

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020119\
 Data File : VX007326.D
 Acq On : 01 Feb 2019 10:03
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:37:23 AM

Quant Time: Feb 02 00:34:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 13:04:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	447111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	665730	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	617609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	316988	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	26725	5.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.26%	
35) Dibromofluoromethane	5.49	113	22758	5.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	10.50%	
50) Toluene-d8	8.71	98	79791	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	
62) 4-Bromofluorobenzene	11.13	95	28607	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	16153	3.241	ug/l	98
3) Chloromethane	1.33	50	20976	4.165	ug/l	98
4) Vinyl Chloride	1.41	62	22892	4.633	ug/l	100
5) Bromomethane	1.64	94	26859	4.776	ug/l	95
6) Chloroethane	1.72	64	14773	4.622	ug/l	95
7) Trichlorofluoromethane	1.93	101	37564	4.860	ug/l	93
8) Diethyl Ether	2.19	74	14893	5.120	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	22005	4.787	ug/l	92
10) Methyl Iodide	2.51	142	31365	4.638	ug/l	99
11) Tert butyl alcohol	3.07	59	27815	28.321	ug/l #	92
12) 1,1-Dichloroethene	2.38	96	20529	4.809	ug/l	95
13) Acrolein	2.30	56	9560	20.758	ug/l	90
14) Allyl chloride	2.73	41	34519	4.963	ug/l	99
15) Acrylonitrile	3.14	53	62861	25.873	ug/l	100
16) Acetone	2.45	43	51291	23.594	ug/l	96
17) Carbon Disulfide	2.57	76	46155	4.097	ug/l	99
18) Methyl Acetate	2.78	43	32643	5.307	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	73374	5.305	ug/l	95
20) Methylene Chloride	2.86	84	25755	5.241	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	23151	5.091	ug/l	93
22) Diisopropyl ether	3.87	45	67744	5.295	ug/l	96
23) Vinyl Acetate	3.82	43	269119	25.347	ug/l	97
24) 1,1-Dichloroethane	3.70	63	38933	5.299	ug/l	98
25) 2-Butanone	4.69	43	78450	25.358	ug/l	100
26) 2,2-Dichloropropane	4.59	77	27839	4.975	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	25319	5.097	ug/l	96
28) Bromochloromethane	5.01	49	16305	4.825	ug/l	98
29) Tetrahydrofuran	5.15	42	48145	24.744	ug/l	96
30) Chloroform	5.22	83	40132	5.234	ug/l	100
31) Cyclohexane	5.58	56	34207	5.183	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	32133	4.965	ug/l	93
36) 1,1-Dichloropropene	5.80	75	30591	5.121	ug/l	99
37) Ethyl Acetate	4.85	43	28975	4.799	ug/l	96
38) Carbon Tetrachloride	5.78	117	27805	4.798	ug/l	90

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 ALS Vial : 3 Sample Multiplier: 1

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 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: Feb 02 00:34:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 13:04:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	36137	5.000	ug/l	97
40) Benzene	6.15	78	93089	5.291	ug/l	94
41) Methacrylonitrile	5.06	41	15974	4.841	ug/l	92
42) 1,2-Dichloroethane	6.20	62	31682	5.204	ug/l	98
43) Isopropyl Acetate	6.46	43	45517	4.884	ug/l	99
44) Trichloroethene	7.21	130	27268	5.146	ug/l	94
45) 1,2-Dichloropropane	7.51	63	22844	5.182	ug/l	97
46) Dibromomethane	7.66	93	16694	5.210	ug/l	99
47) Bromodichloromethane	7.90	83	25958	4.780	ug/l	97
48) Methyl methacrylate	7.77	41	24032	5.155	ug/l	94
49) 1,4-Dioxane	7.75	88	11839	102.043	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	155335	25.318	ug/l	99
52) Toluene	8.78	92	60102	5.294	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	26033	4.463	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	30340	4.730	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	24738	5.228	ug/l	99
56) Ethyl methacrylate	9.18	69	32215	4.915	ug/l	95
57) 1,3-Dichloropropane	9.37	76	40460	5.376	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	84392	24.430	ug/l	98
59) 2-Hexanone	9.49	43	121967	25.546	ug/l	96
60) Dibromochloromethane	9.58	129	20298	4.535	ug/l	98
61) 1,2-Dibromoethane	9.67	107	26247	5.238	ug/l	91
64) Tetrachloroethene	9.33	164	32348	5.557	ug/l	98
65) Chlorobenzene	10.13	112	70048	5.197	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	22392	4.956	ug/l	100
67) Ethyl Benzene	10.25	91	112462	5.182	ug/l	99
68) m/p-Xylenes	10.36	106	88767	10.289	ug/l	99
69) o-Xylene	10.69	106	43015	5.181	ug/l	96
70) Styrene	10.71	104	67943	5.046	ug/l	99
71) Bromoform	10.85	173	14775	4.226	ug/l #	98
73) Isopropylbenzene	11.02	105	116299	5.399	ug/l	98
74) N-amyl acetate	10.90	43	38401	4.609	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	33624	5.122	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	32165m	4.813	ug/l	
77) Bromobenzene	11.26	156	32486	5.352	ug/l	96
78) n-propylbenzene	11.36	91	123945	5.247	ug/l	100
79) 2-Chlorotoluene	11.42	91	77664	5.419	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	92263	5.235	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	6952	3.915	ug/l #	70
82) 4-Chlorotoluene	11.51	91	86655	5.225	ug/l	99
83) tert-Butylbenzene	11.77	119	90314	5.176	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	95367	5.330	ug/l	99
85) sec-Butylbenzene	11.94	105	111958	5.302	ug/l	98
86) p-Isopropyltoluene	12.06	119	98644	5.175	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	57070	5.239	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	59051	5.347	ug/l	95
89) n-Butylbenzene	12.38	91	79613	4.855	ug/l	98
90) Hexachloroethane	12.60	117	12599	4.416	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	57785	5.331	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	6091	4.462	ug/l	91

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

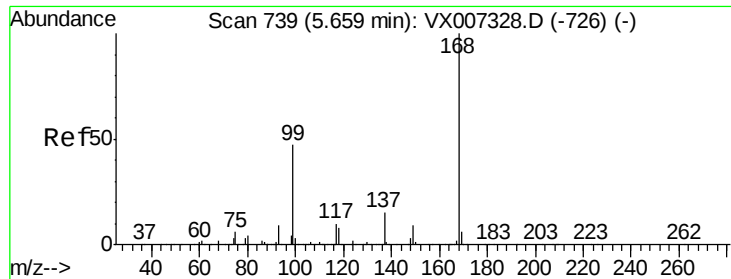
Manual Integrations
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2/4/2019 9:37:23 AM

Quant Time: Feb 02 00:34:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 13:04:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	34549	4.726	ug/l	97
94) Hexachlorobutadiene	13.78	225	17511	4.933	ug/l	97
95) Naphthalene	13.83	128	102320	4.786	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	35872	4.875	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 447111

Ion Ratio Lower Upper

168 100

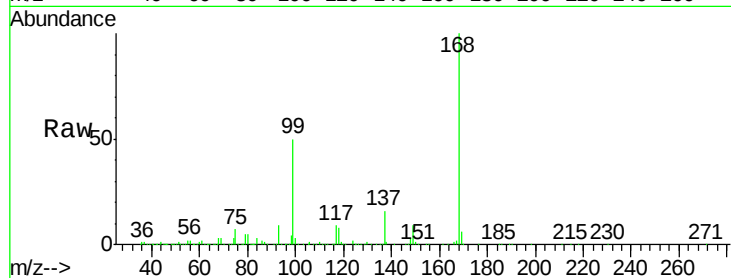
99 50.4 41.8 62.8

Manual Integrations

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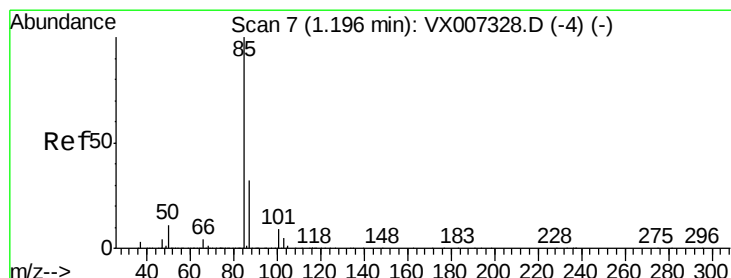
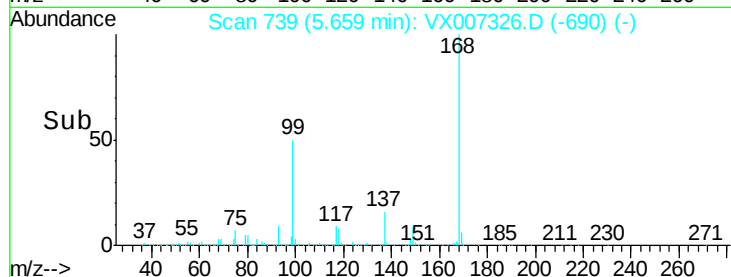
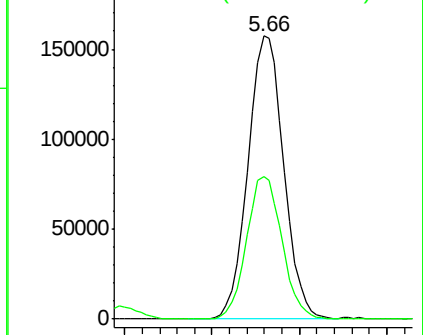
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 3.241 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007326.D

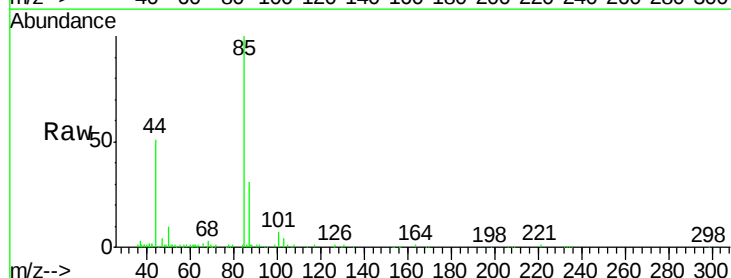
Acq: 01 Feb 2019 10:03

Tgt Ion: 85 Resp: 16153

Ion Ratio Lower Upper

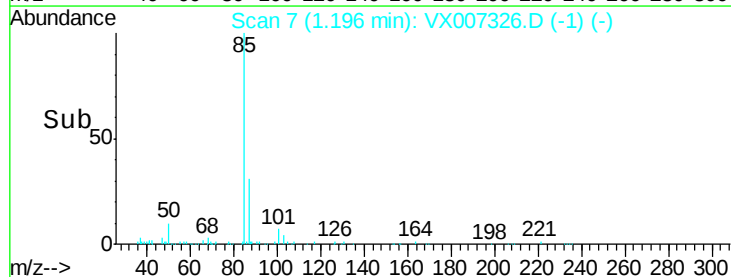
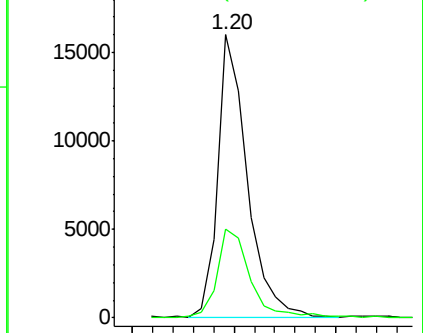
85 100

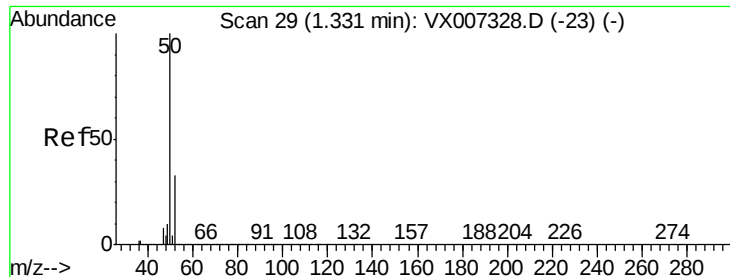
87 30.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 4.165 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 20976

Ion Ratio Lower Upper

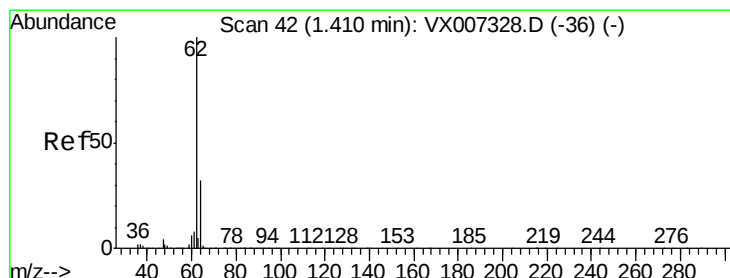
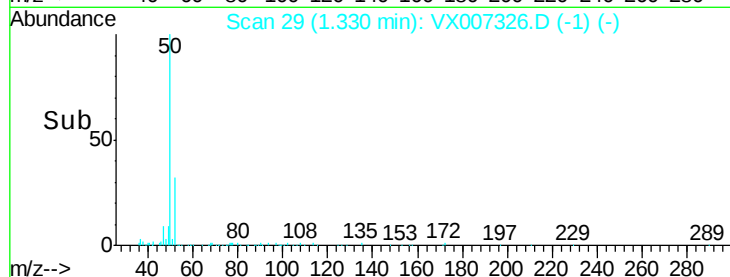
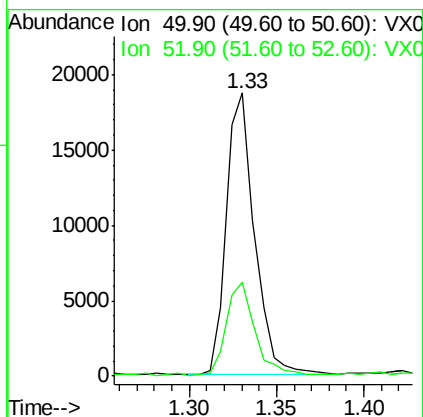
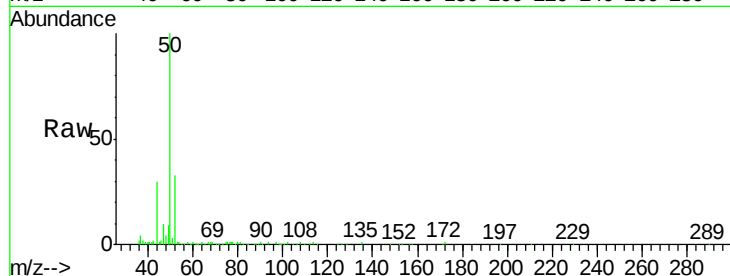
50 100

52 33.1 25.4 38.2

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#4

Vinyl Chloride

Concen: 4.633 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007326.D

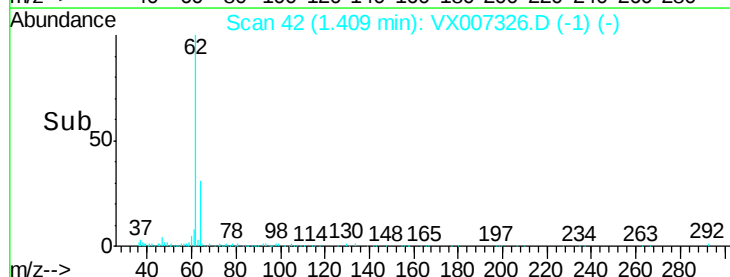
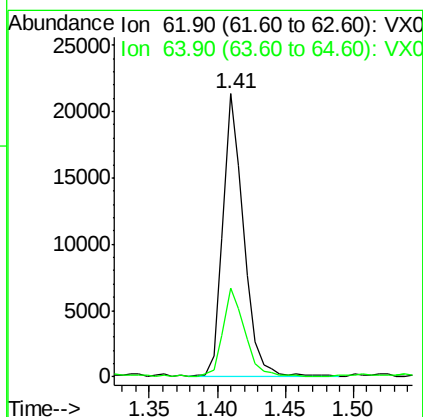
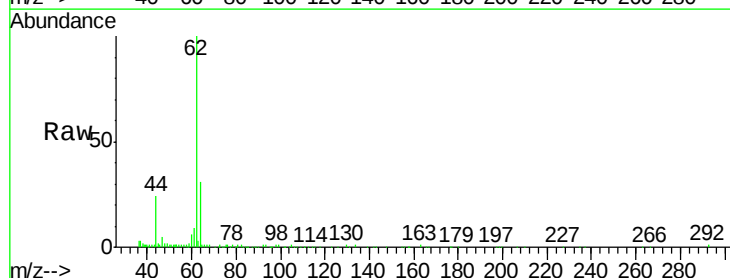
Acq: 01 Feb 2019 10:03

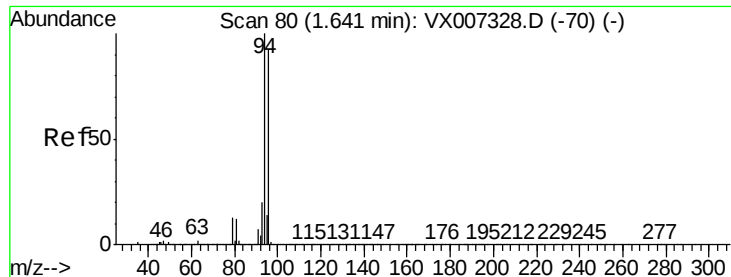
Tgt Ion: 62 Resp: 22892

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 4.776 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 26859

Ion Ratio Lower Upper

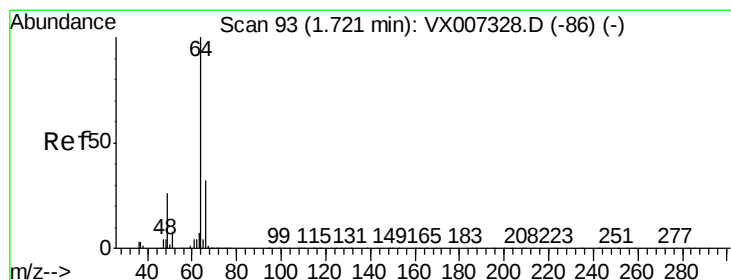
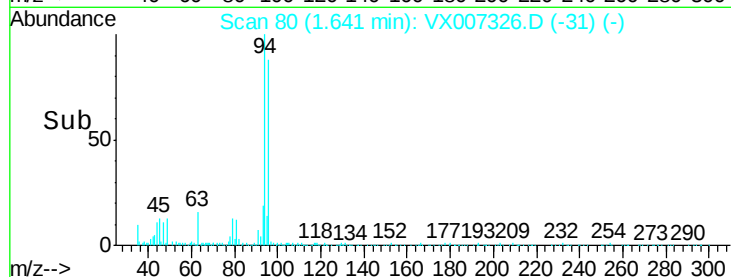
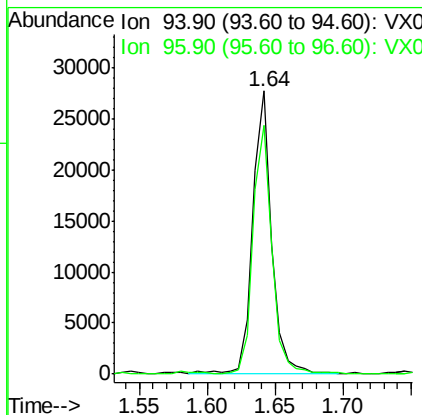
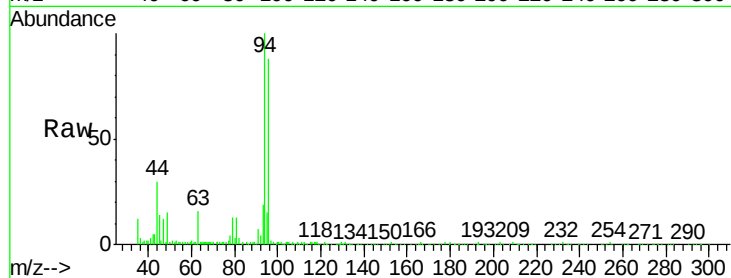
94 100

96 87.5 73.4 110.2

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#6

Chloroethane

Concen: 4.622 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007326.D

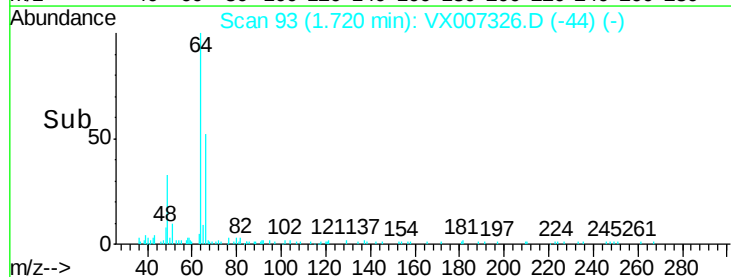
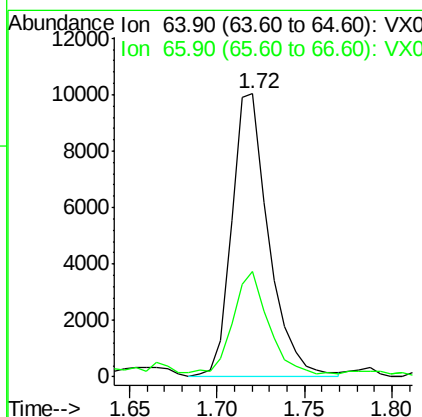
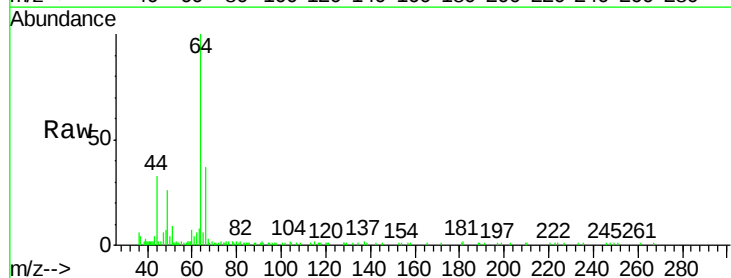
Acq: 01 Feb 2019 10:03

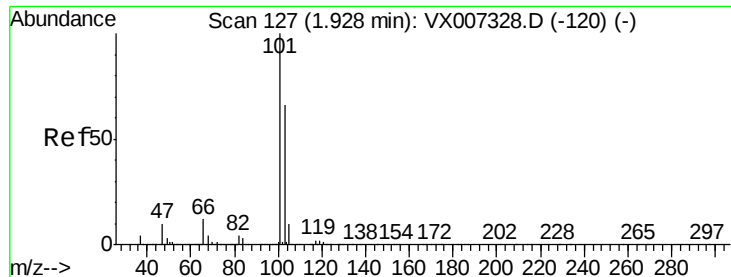
Tgt Ion: 64 Resp: 14773

Ion Ratio Lower Upper

64 100

66 36.0 26.4 39.6





#7

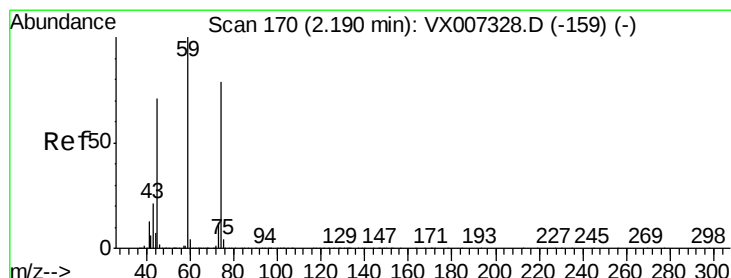
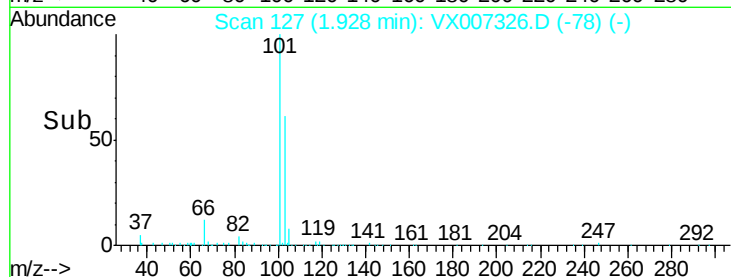
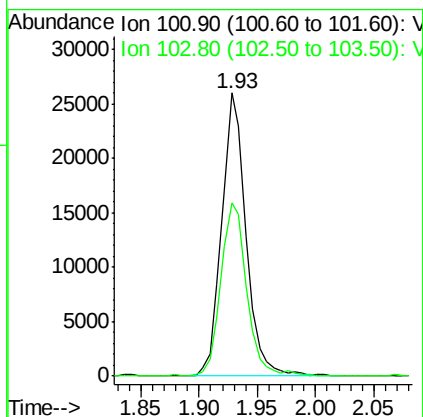
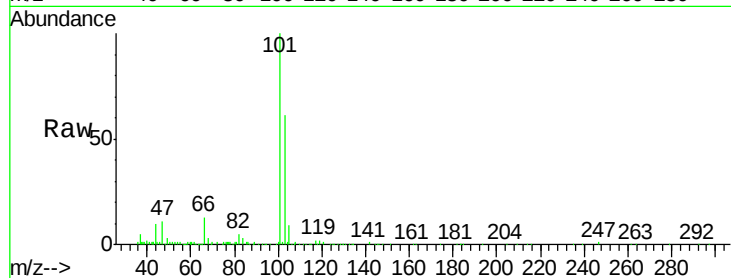
Trichlorofluoromethane
Concen: 4.860 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	61.0	53.2	79.8	

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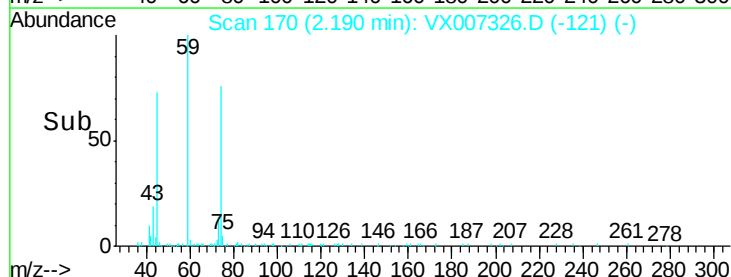
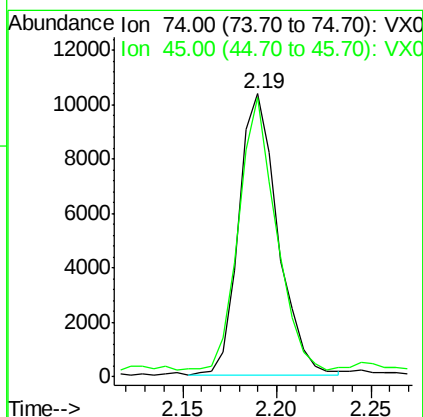
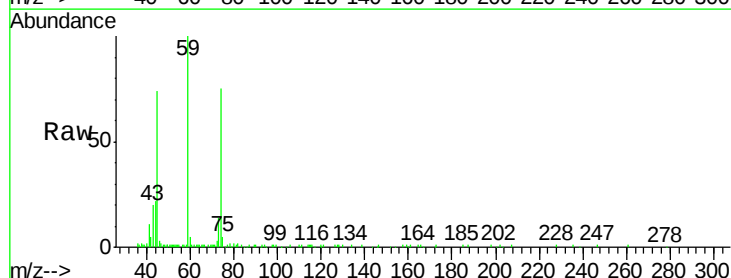
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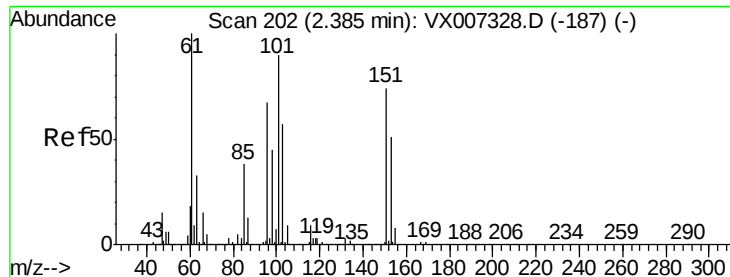


#8

Diethyl Ether
Concen: 5.120 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	93.9	46.3	138.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.787 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

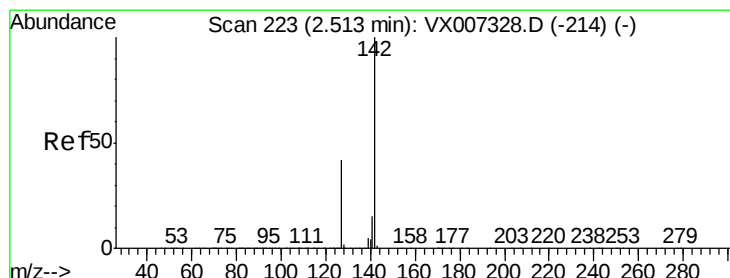
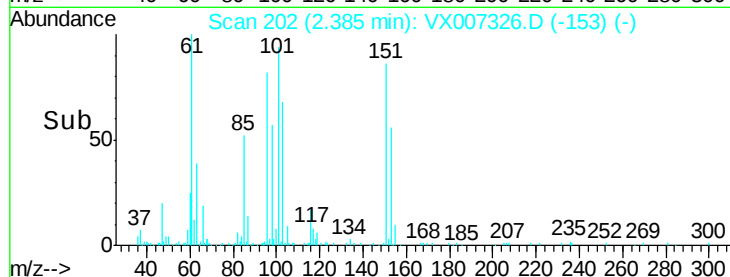
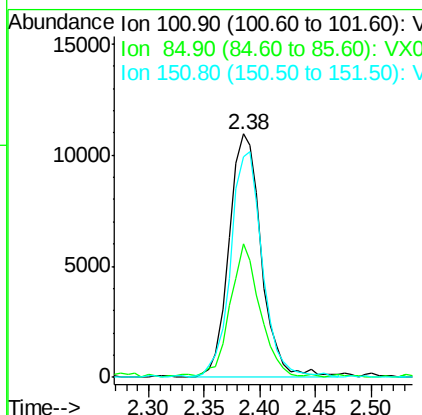
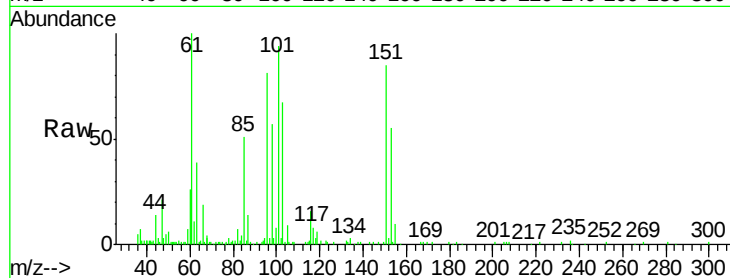
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	22005
Ion Ratio	Lower	Upper	
101	100		
85	51.6	35.1	52.7
151	91.4	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 4.638 ug/l

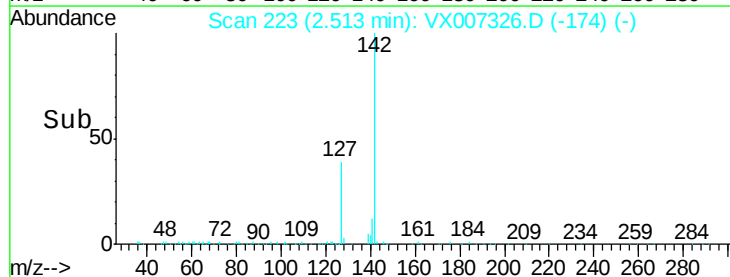
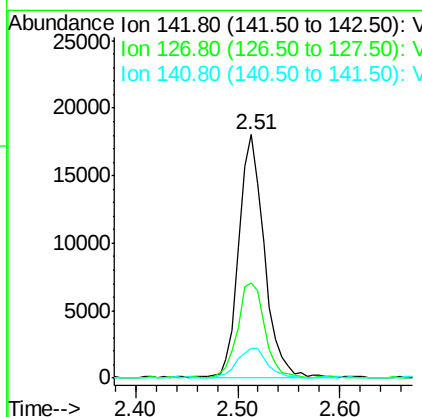
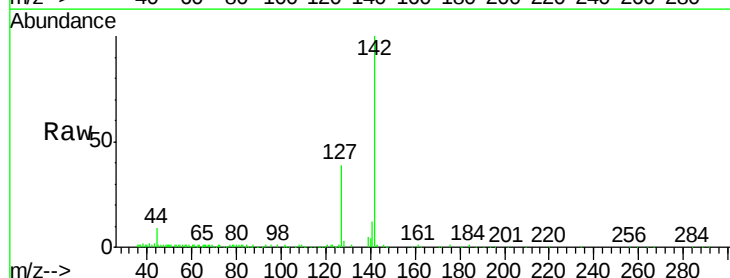
RT: 2.51 min Scan# 223

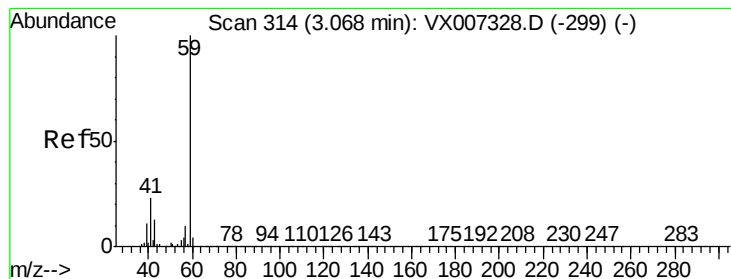
Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion:	142	Resp:	31365
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.9	50.9
141	14.7	11.4	17.0





#11

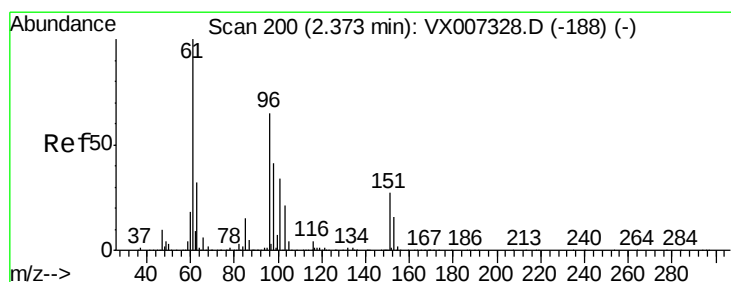
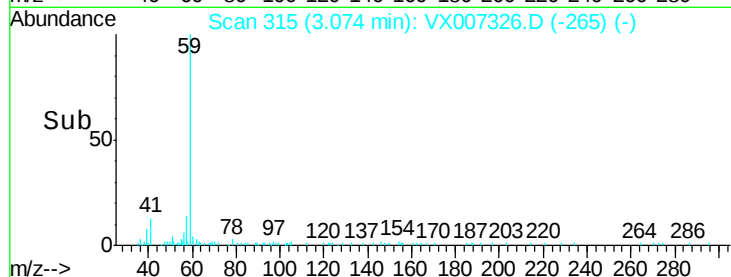
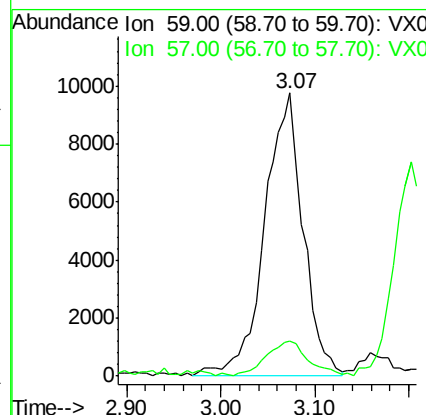
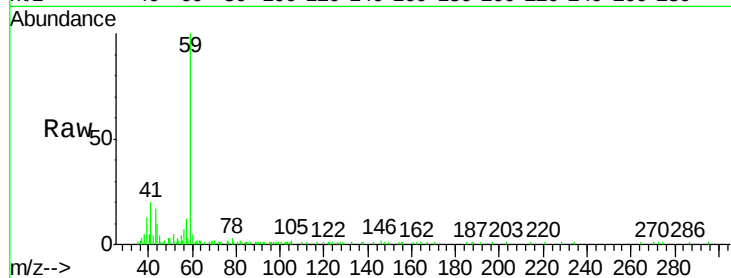
Tert butyl alcohol
Concen: 28.321 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.6	8.5	12.7#

Manual Integrations
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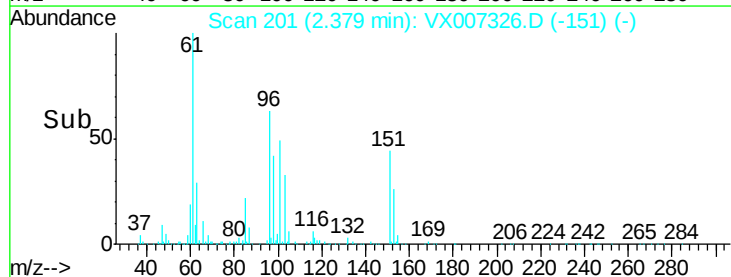
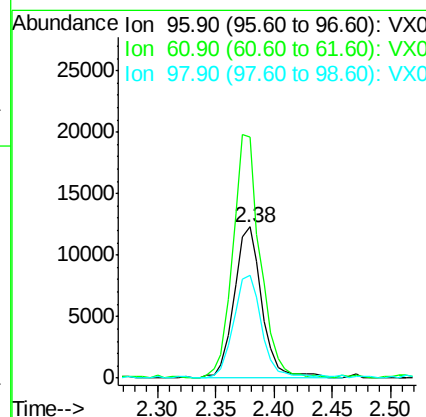
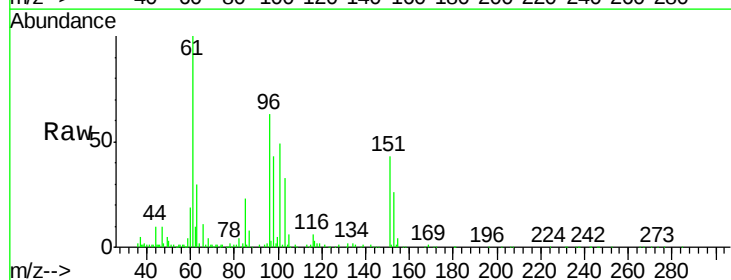
MMDadoda
2/4/2019 9:37:23 AM

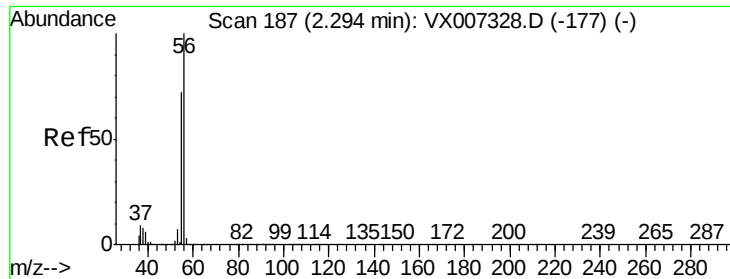


#12

1,1-Dichloroethene
Concen: 4.809 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.2	121.4	182.2
98	68.3	51.9	77.9





#13

Acrolein

Concen: 20.758 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 9560

Ion Ratio Lower Upper

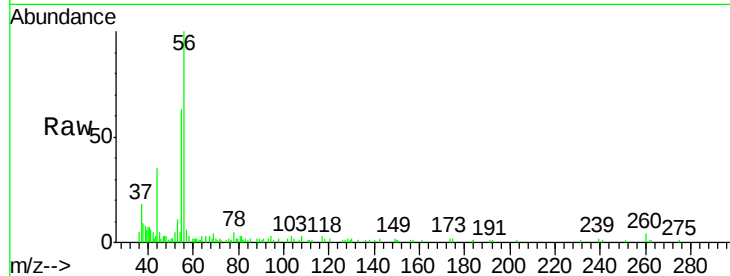
56 100

55 64.8 58.2 87.4

Manual Integrations
APPROVED

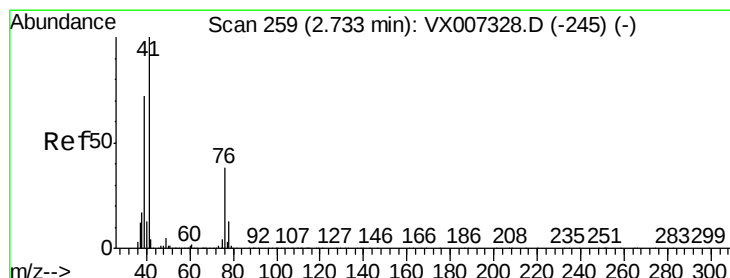
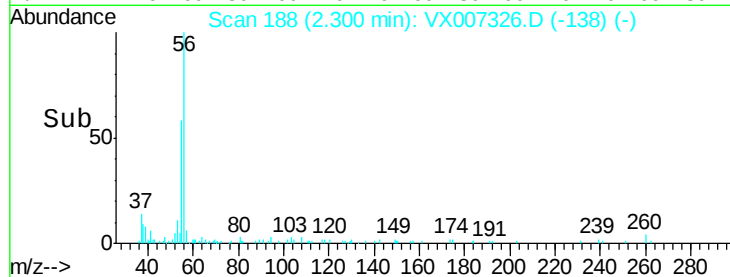
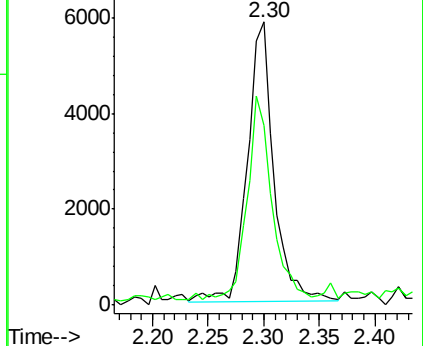
MMDadoda

2/4/2019 9:37:23 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 4.963 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

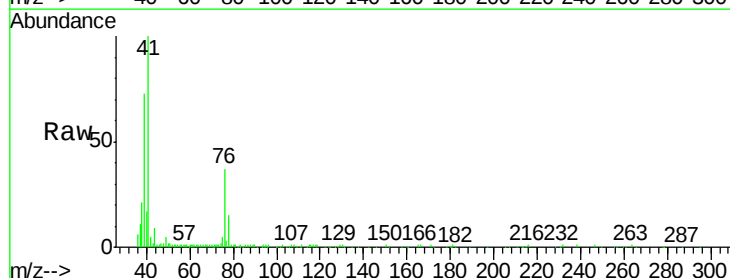
Tgt Ion: 41 Resp: 34519

Ion Ratio Lower Upper

41 100

39 67.9 53.6 80.4

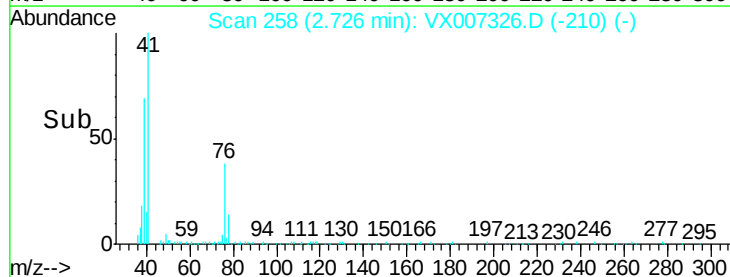
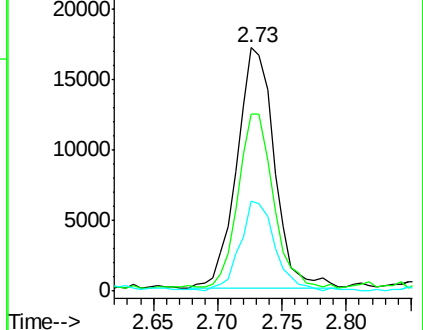
76 34.0 27.4 41.2

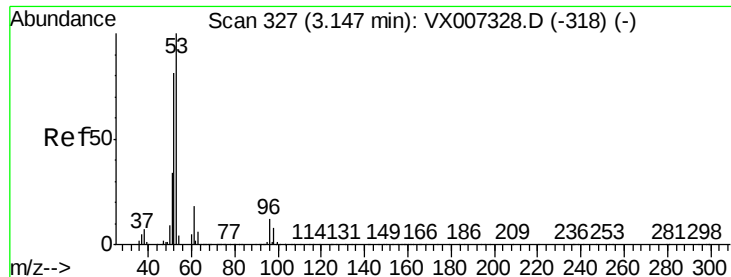


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 25.873 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

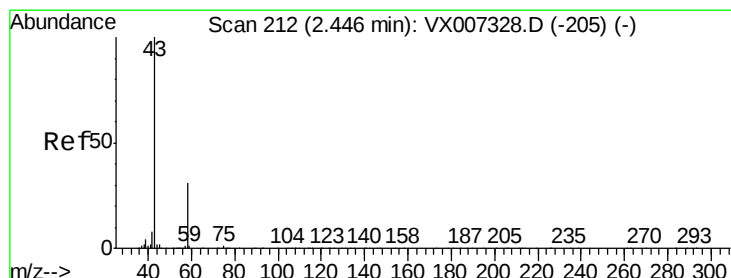
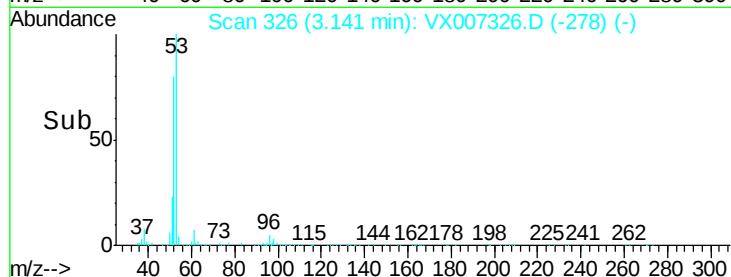
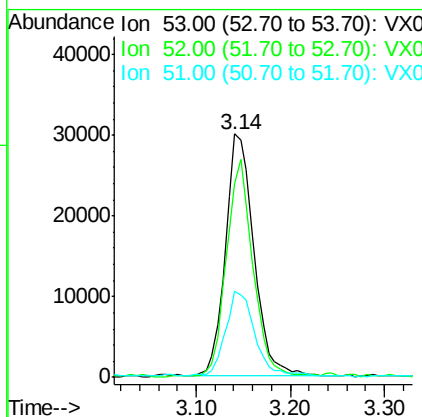
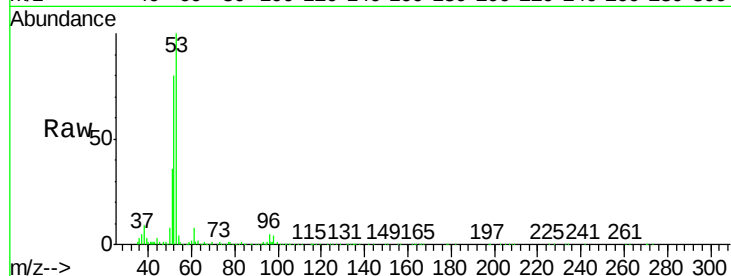
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	62861
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.0	99.0
51	36.5	28.6	42.8

Manual Integrations
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MMDadoda
2/4/2019 9:37:23 AM



#16

Acetone

Concen: 23.594 ug/l

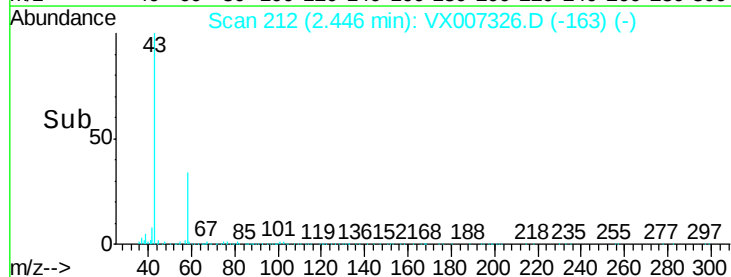
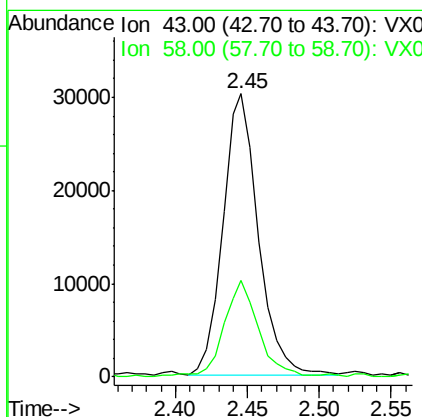
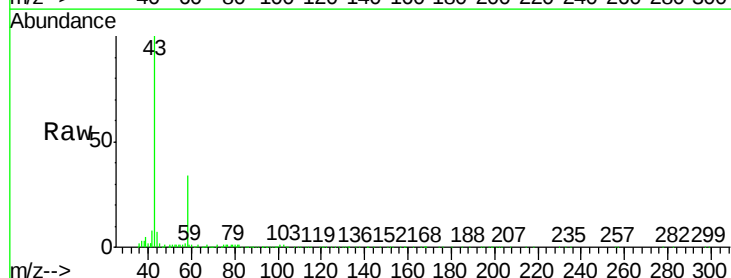
RT: 2.45 min Scan# 212

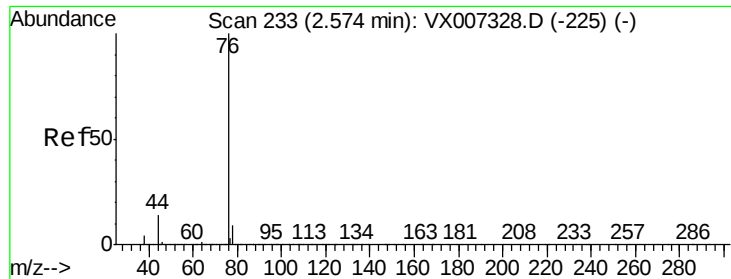
Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion:	43	Resp:	51291
Ion Ratio	Lower	Upper	
43	100		
58	33.5	25.0	37.6





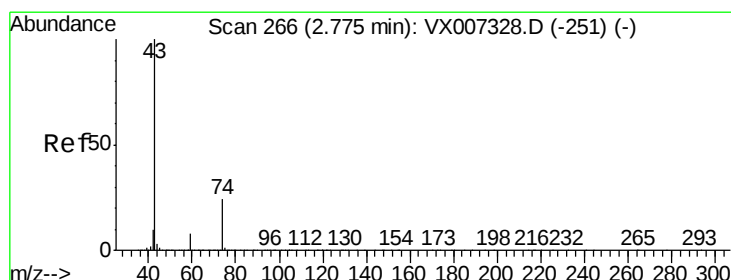
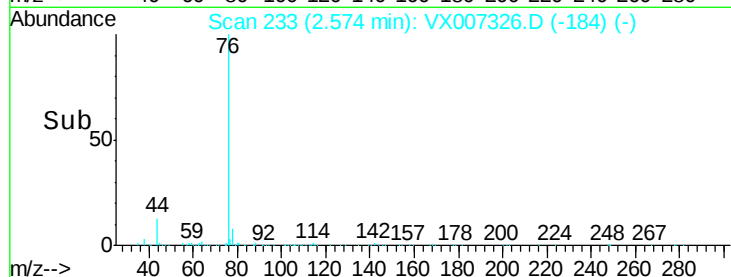
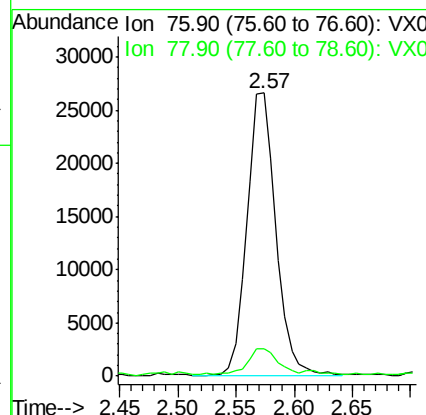
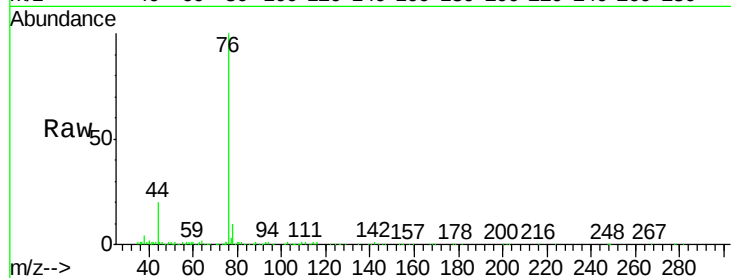
#17
Carbon Disulfide
Concen: 4.097 ug/l
RT: 2.57 min Scan# 233
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

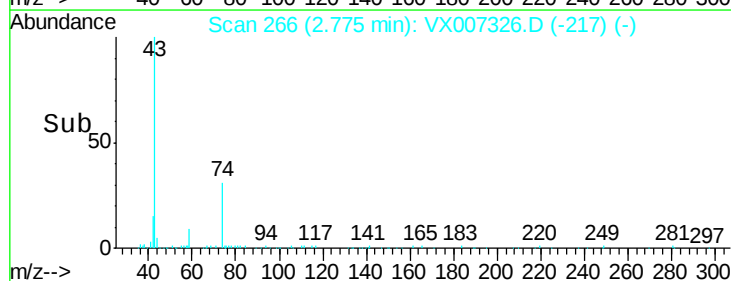
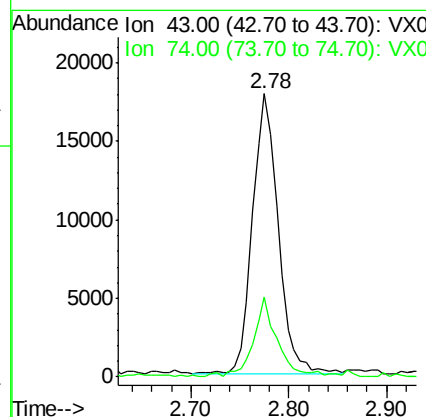
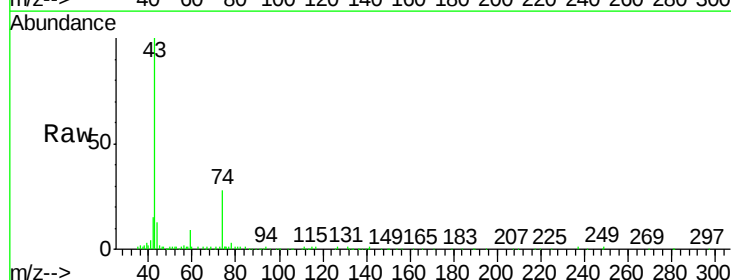
Manual Integrations
APPROVED

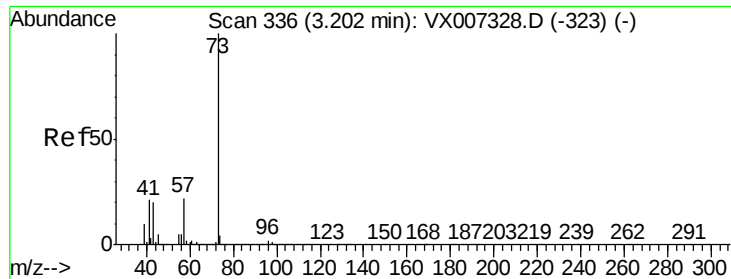
MMDadoda
2/4/2019 9:37:23 AM



#18
Methyl Acetate
Concen: 5.307 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	18.6	28.0





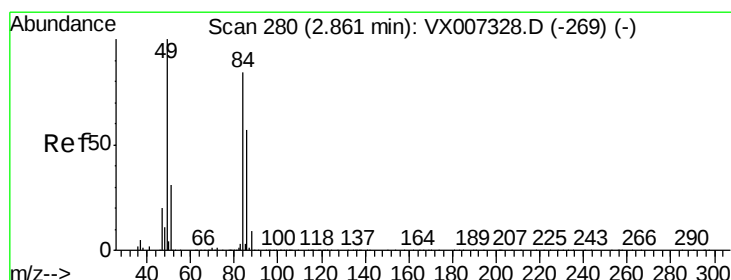
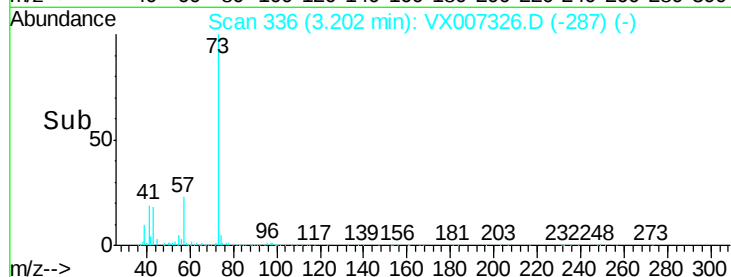
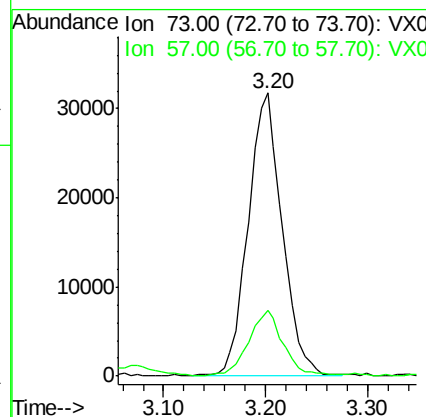
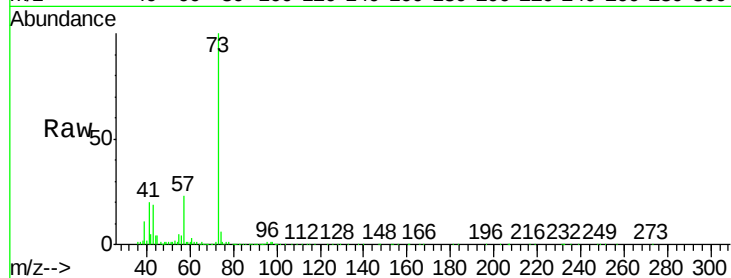
#19
Methvl tert-butvl Ether
Concen: 5.305 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	16.8	25.2

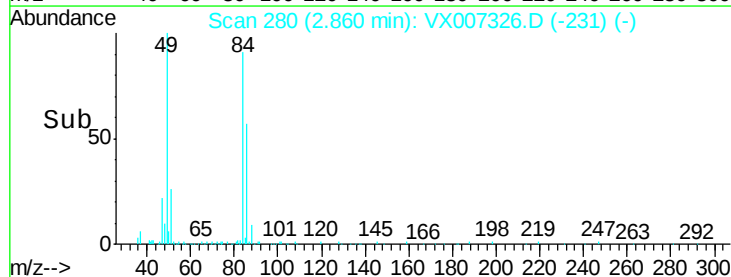
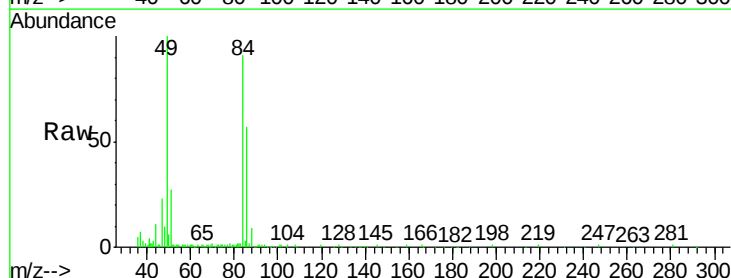
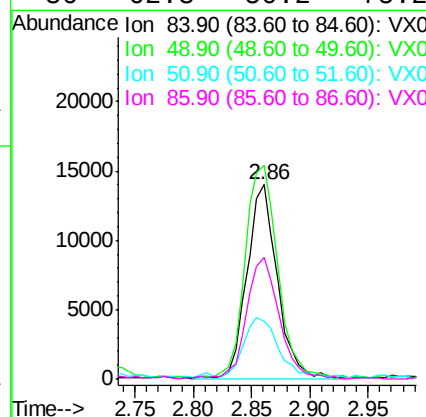
Manual Integrations
APPROVED

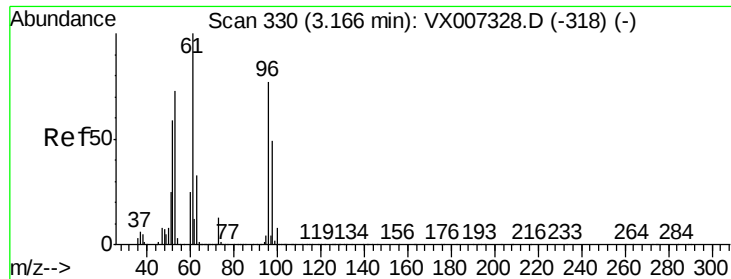
MMDadoda
2/4/2019 9:37:23 AM



#20
Methylene Chloride
Concen: 5.241 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.5	91.8	137.6
51	29.1	28.5	42.7
86	62.3	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 5.091 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

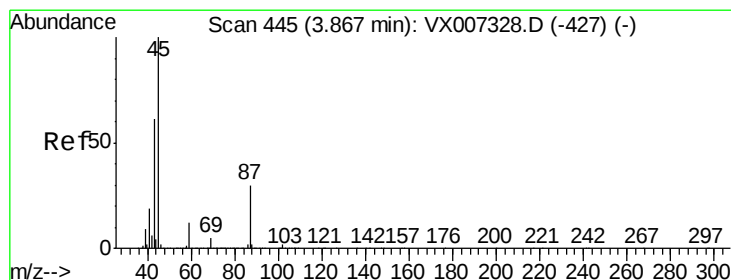
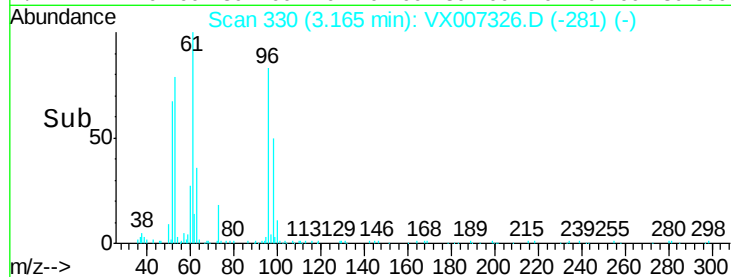
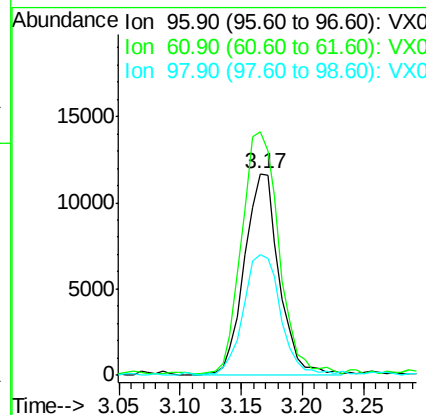
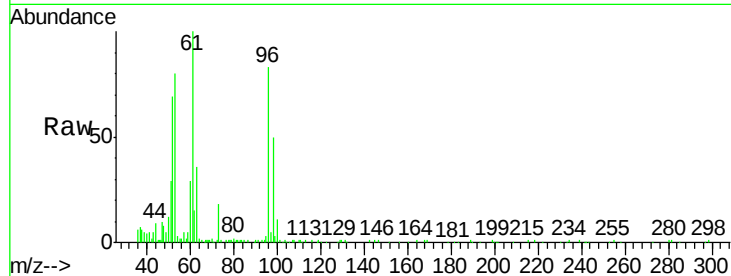
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	23151
Ion	Ratio	Lower	Upper
96	100		
61	120.0	103.7	155.5
98	59.5	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.295 ug/l

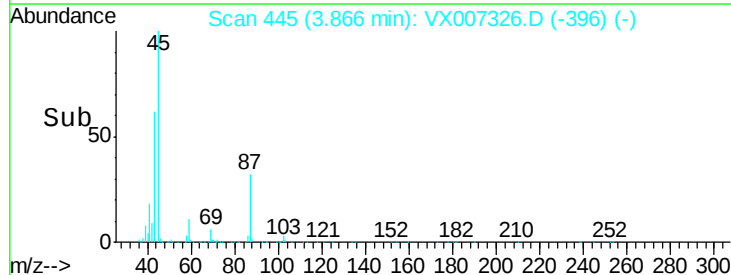
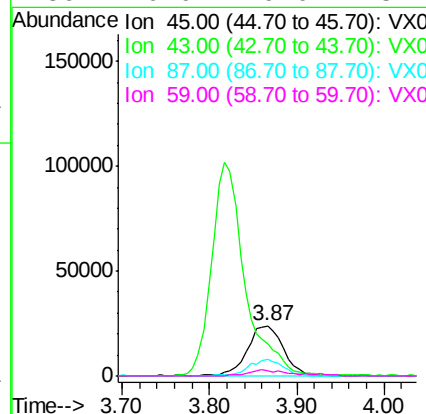
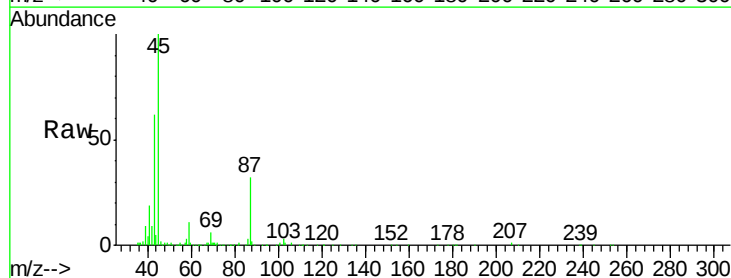
RT: 3.87 min Scan# 445

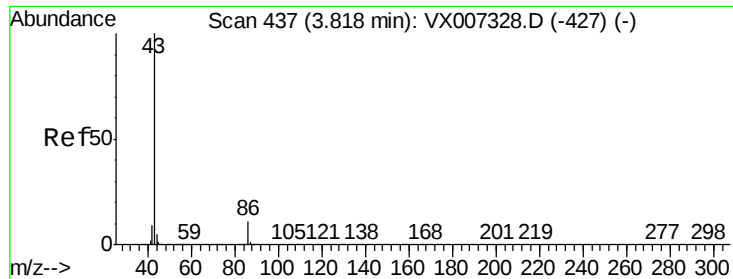
Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion:	45	Resp:	67744
Ion	Ratio	Lower	Upper
45	100		
43	59.3	51.2	76.8
87	32.2	25.8	38.6
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 25.347 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

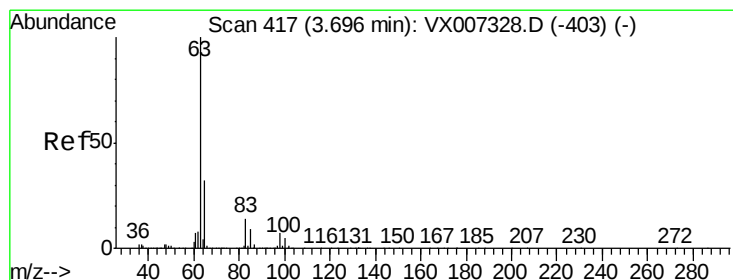
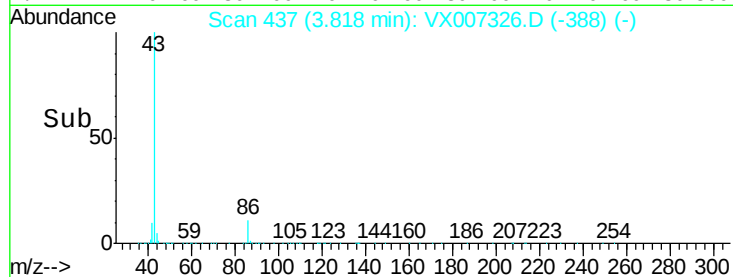
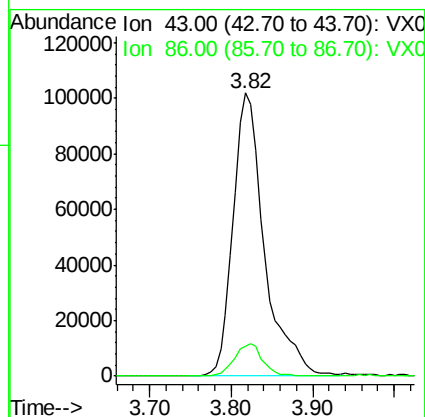
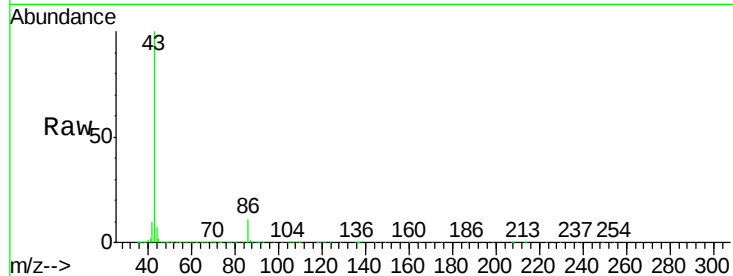
ClientSampled :

VSTDIC005

Tot Ion	43	Resp	269119
Ion	Ratio	Lower	Upper
43	100		
86	10.5	9.2	13.8

Manual Integrations
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MMDadoda
2/4/2019 9:37:23 AM



#24

1,1-Dichloroethane

Concen: 5.299 ug/l

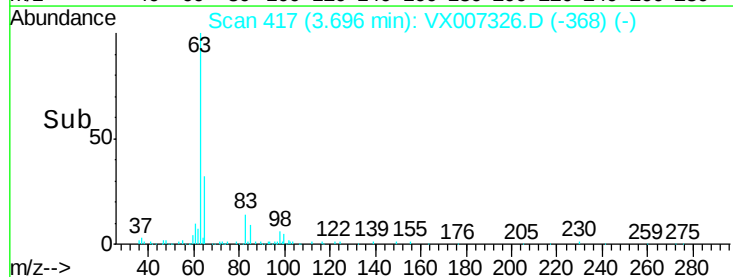
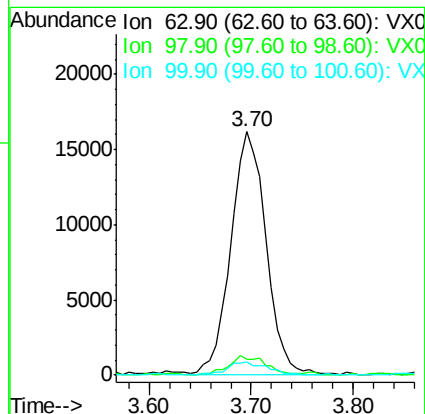
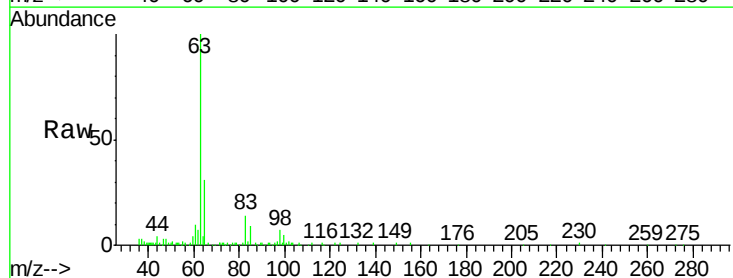
RT: 3.70 min Scan# 417

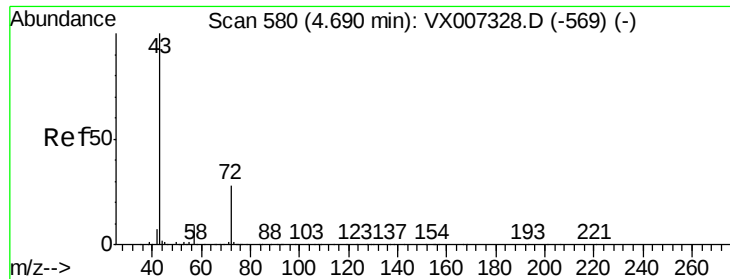
Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion	63	Resp	38933
Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.9	11.5
100	5.3	2.4	7.2





#25

2-Butanone

Concen: 25.358 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 78450

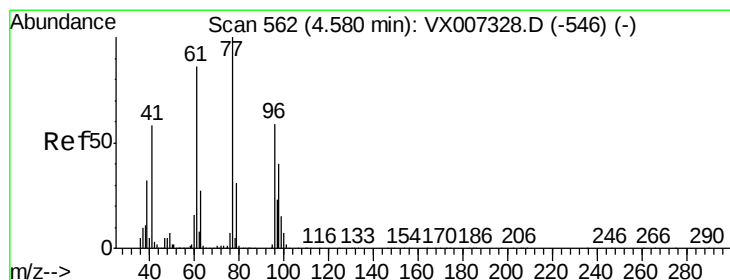
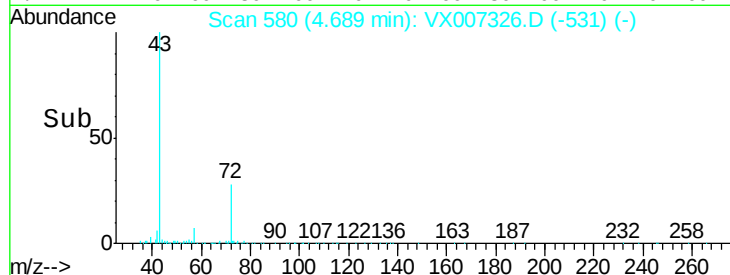
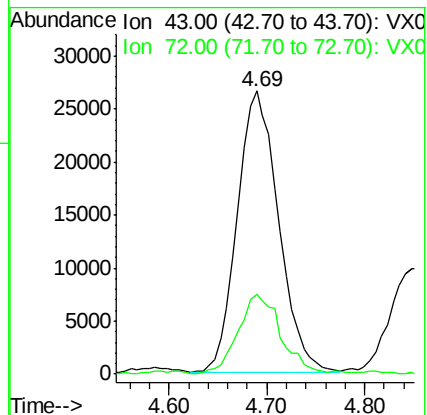
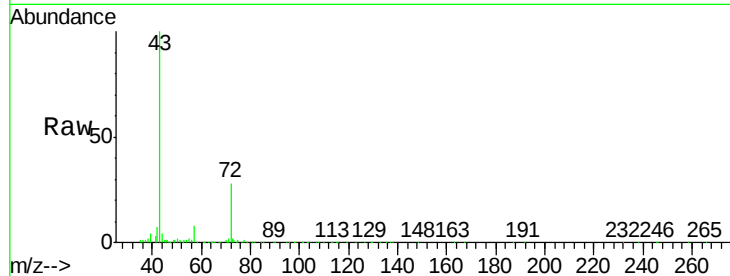
Ion Ratio Lower Upper

43 100

72 28.0 22.4 33.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 4.975 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX007326.D

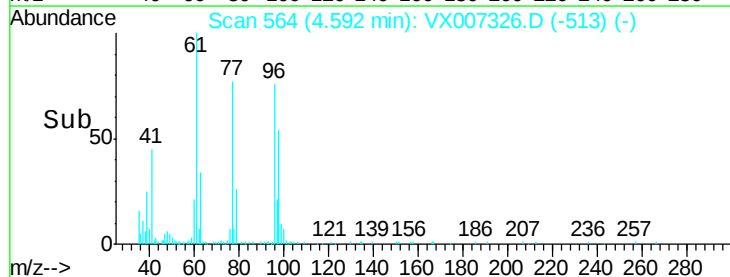
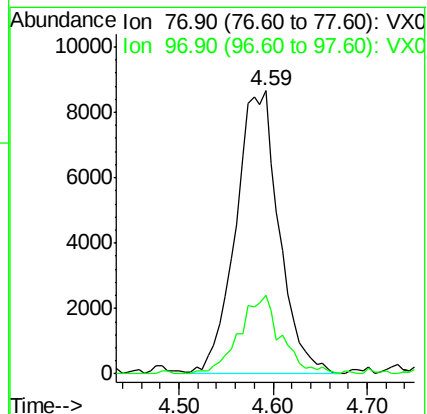
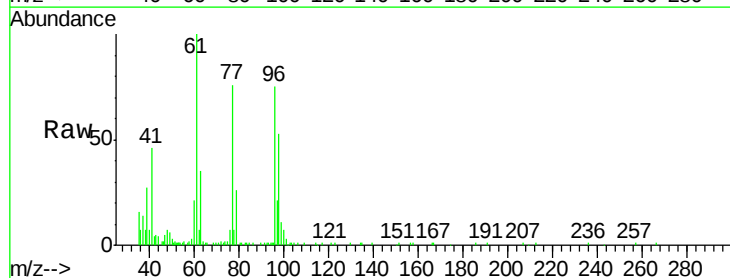
Acq: 01 Feb 2019 10:03

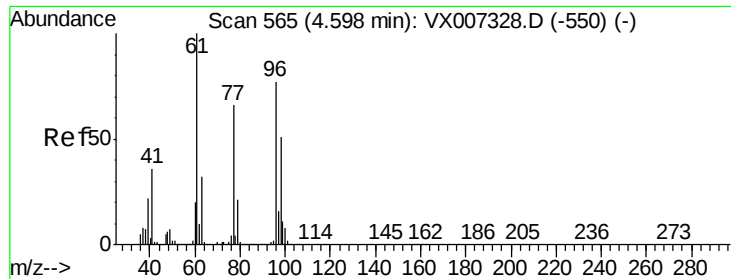
Tgt Ion: 77 Resp: 27839

Ion Ratio Lower Upper

77 100

97 26.7 12.4 37.4





#27

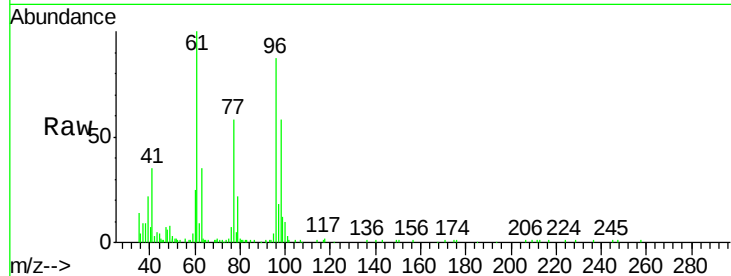
cis-1,2-Dichloroethene
Concen: 5.097 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.5	0.0	258.6
98	68.8	0.0	132.0

Manual Integrations
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Abundance

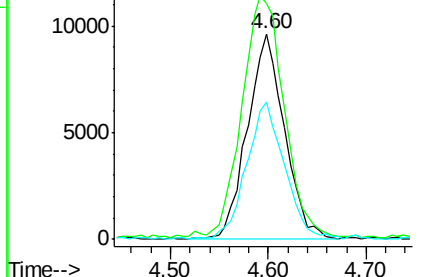
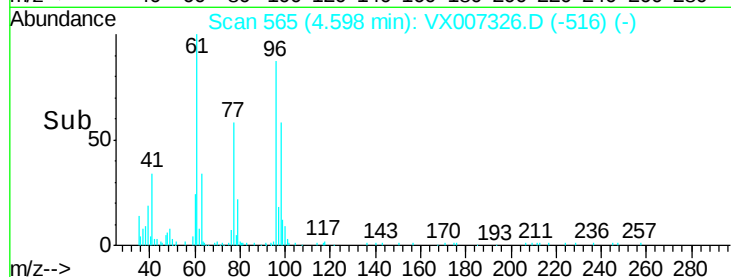
Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4.60

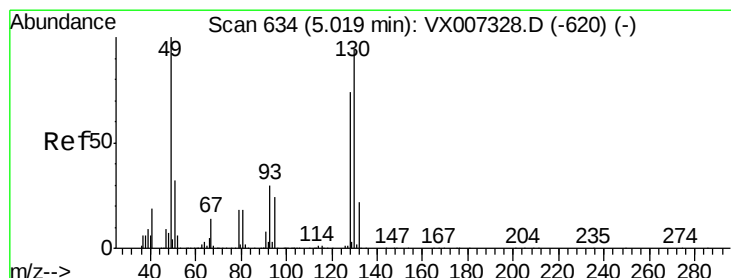
Time-->



#28

Bromochloromethane
Concen: 4.825 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.4
130	95.6	77.7	116.5



Abundance

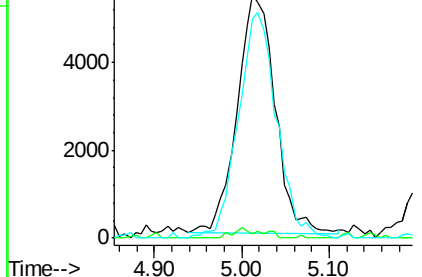
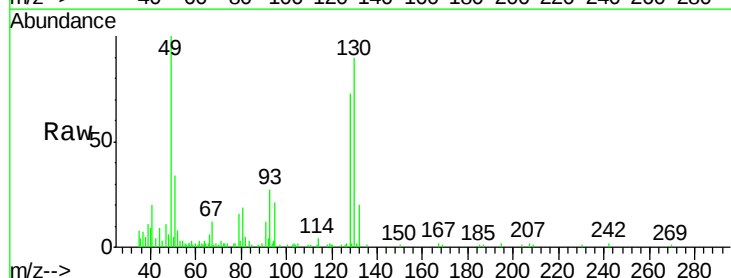
Ion 48.90 (48.60 to 49.60): VX0

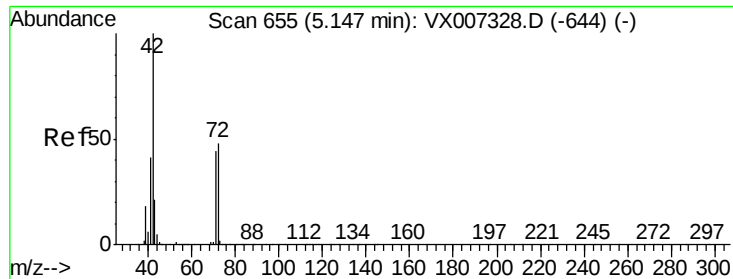
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

5.01

Time-->





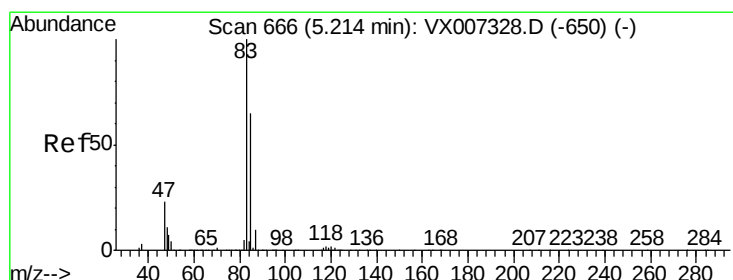
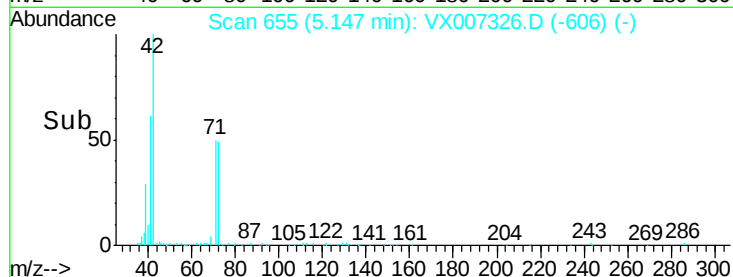
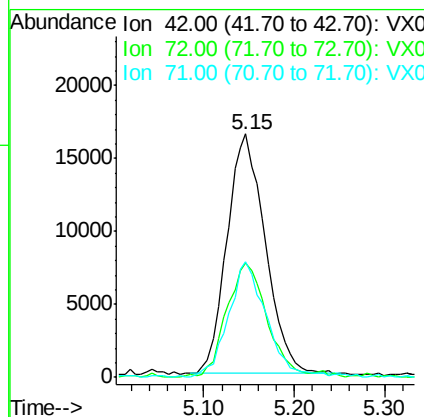
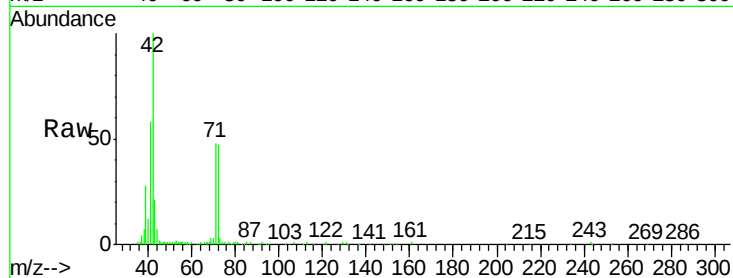
#29
Tetrahydrofuran
Concen: 24.744 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.7	38.9	58.3
71	48.4	36.2	54.4

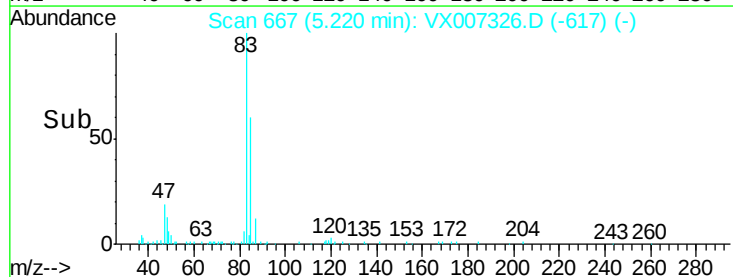
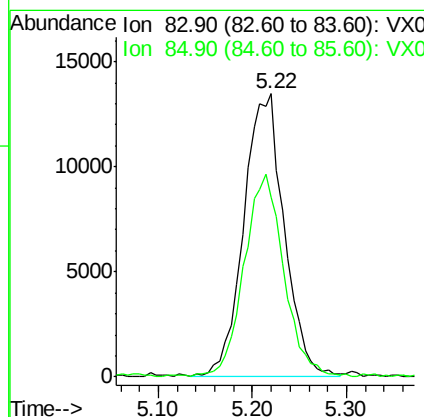
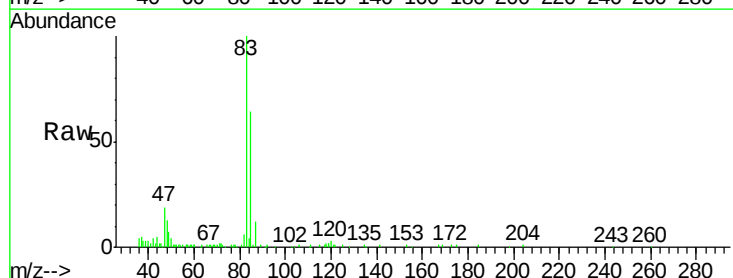
Manual Integrations
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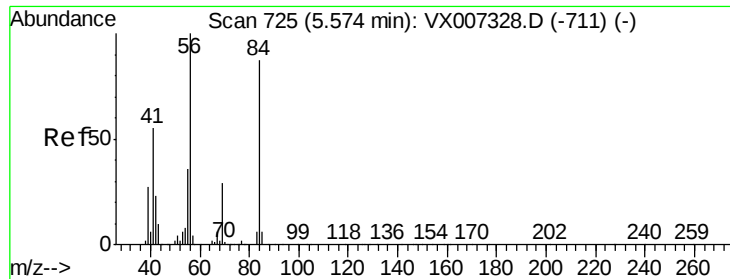
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#30
Chloroform
Concen: 5.234 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.2	76.8





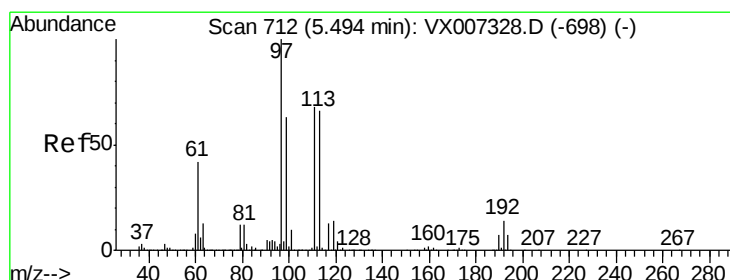
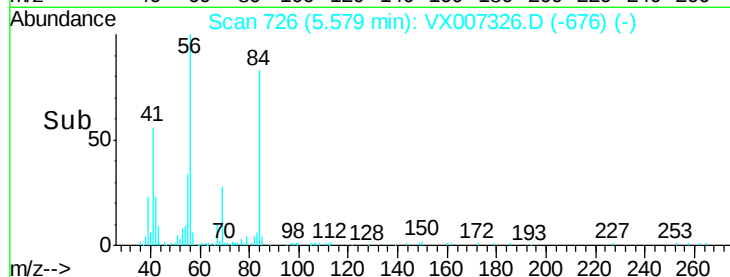
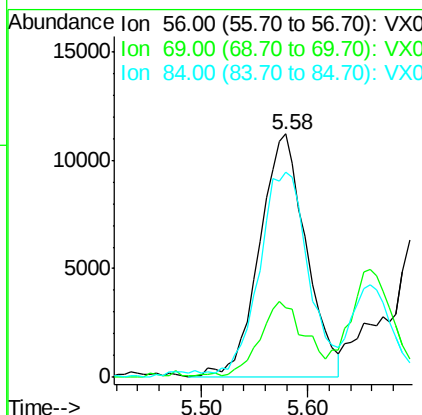
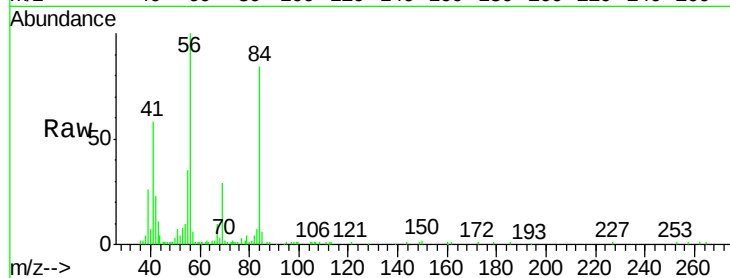
#31
Cyclohexane
Concen: 5.183 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	24.4	36.6
84	83.0	70.0	105.0

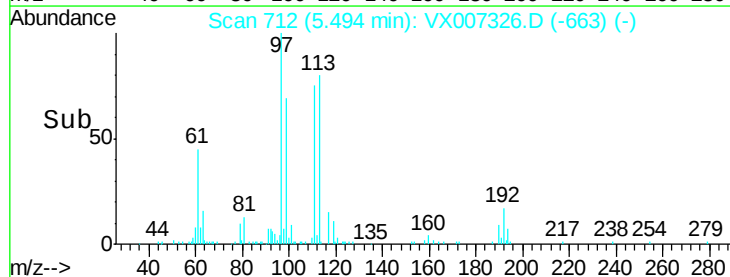
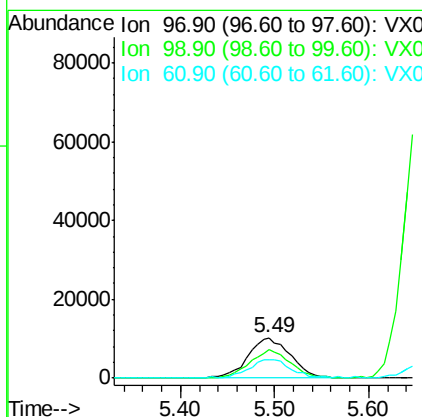
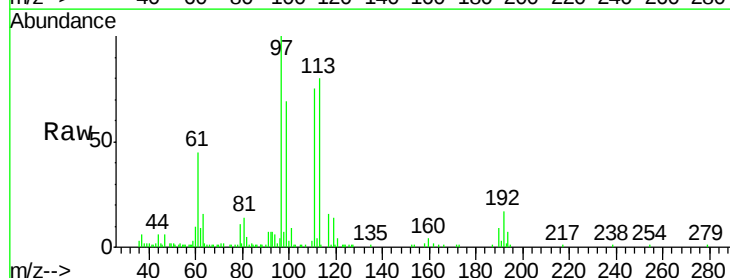
Manual Integrations
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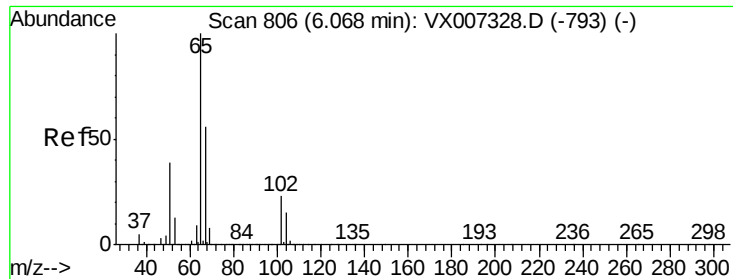
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#32
1,1,1-Trichloroethane
Concen: 4.965 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.0	51.7	77.5
61	46.7	31.3	46.9





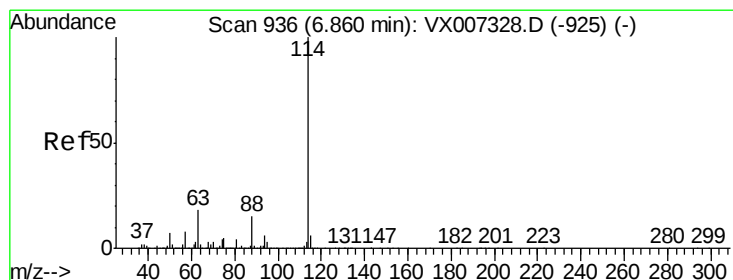
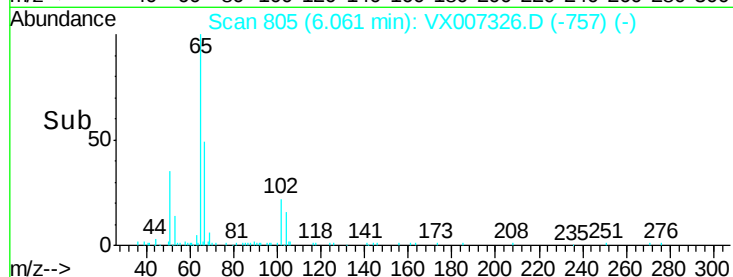
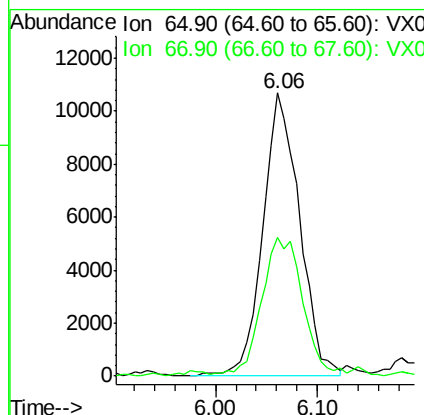
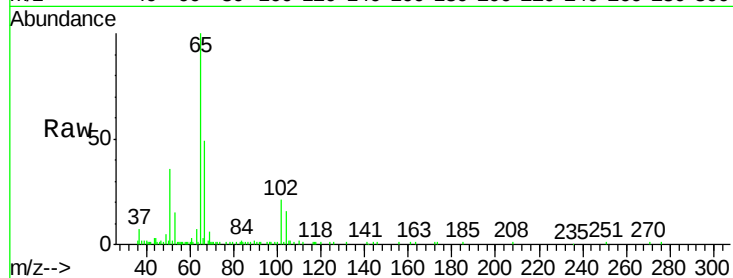
#33
 1,2-Dichloroethane-d4
 Concen: 5.631 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX007326.D
 Acq: 01 Feb 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	105.0

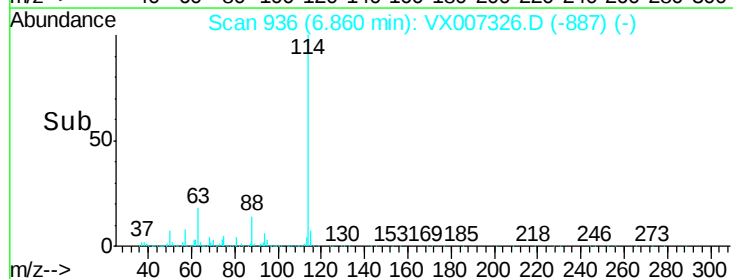
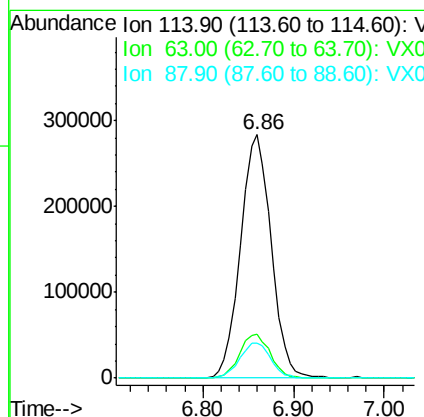
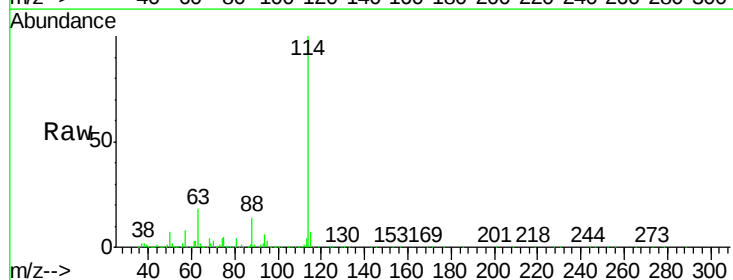
Manual Integrations
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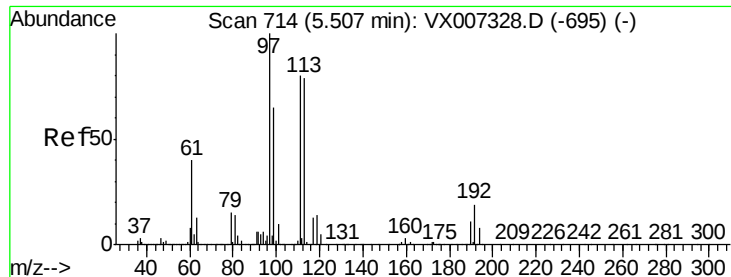
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007326.D
 Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	34.8
88	14.2	0.0	28.8





#35

Dibromofluoromethane

Concen: 5.254 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

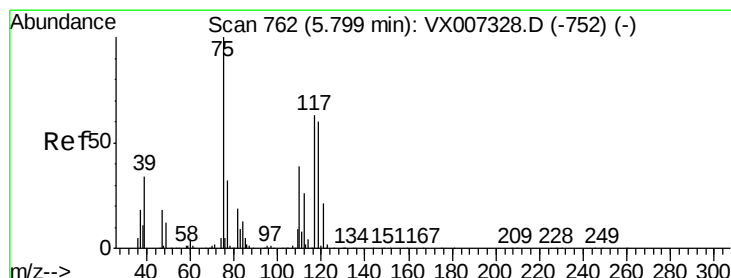
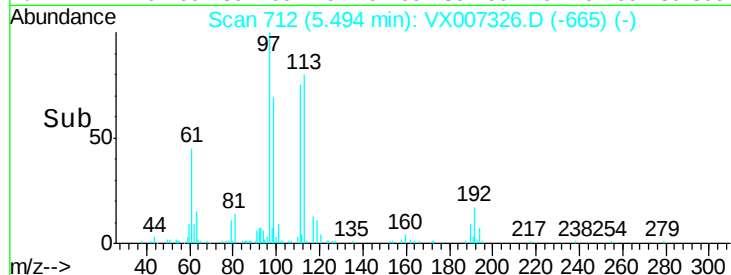
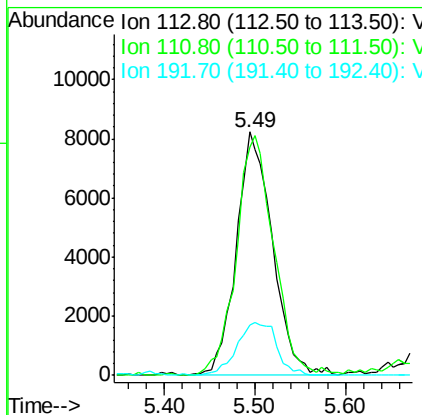
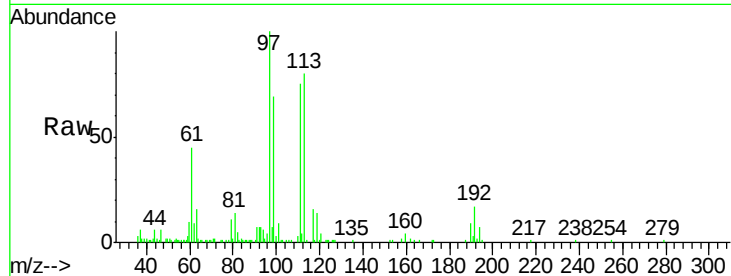
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	22758
Ion Ratio	Lower	Upper	
113	100		
111	101.1	81.6	122.4
192	23.9	16.7	25.1

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#36

1,1-Dichloropropene

Concen: 5.121 ug/l

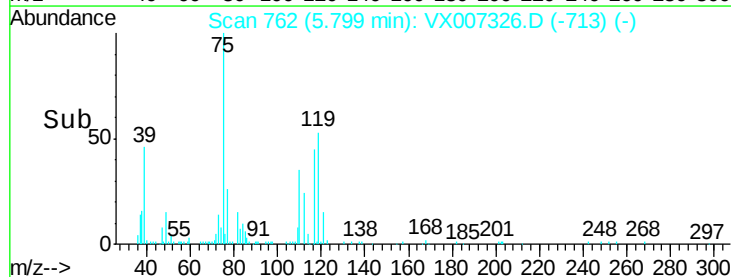
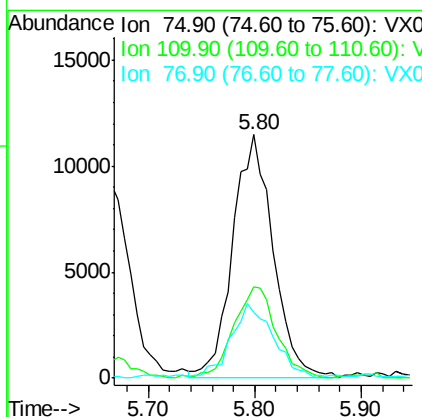
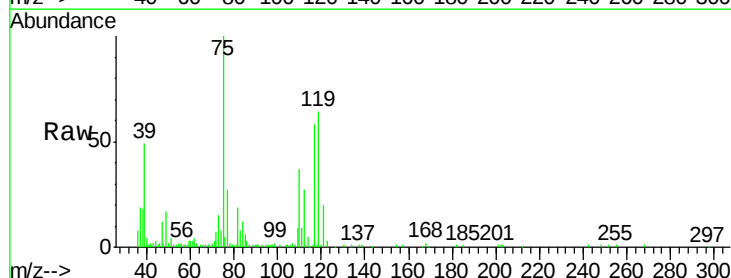
RT: 5.80 min Scan# 762

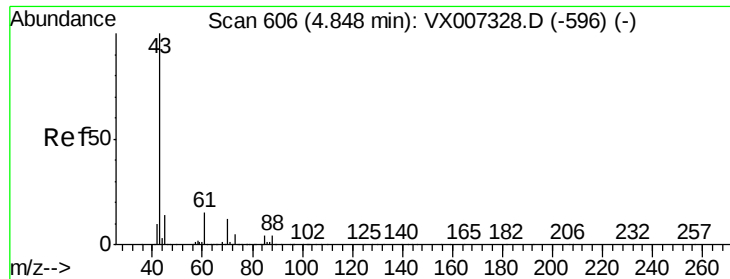
Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion:	75	Resp:	30591
Ion Ratio	Lower	Upper	
75	100		
110	39.7	20.2	60.5
77	31.2	24.8	37.2





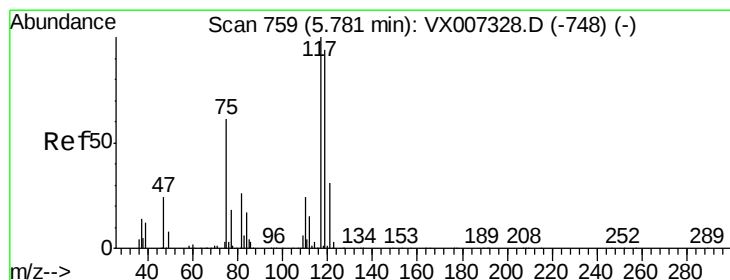
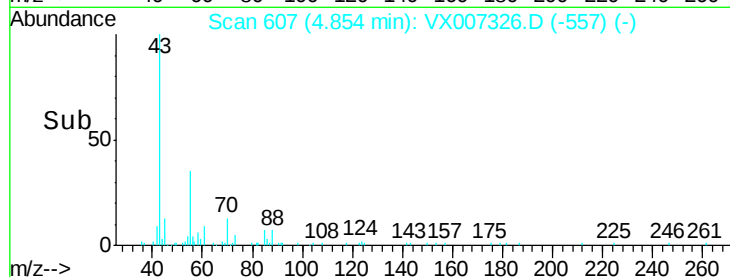
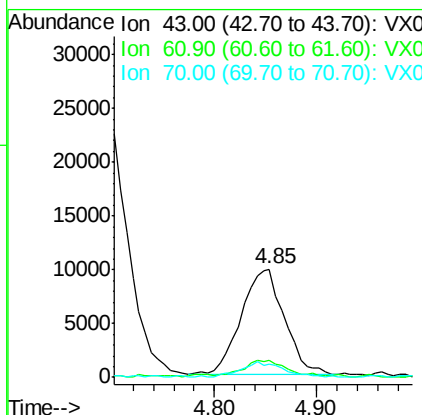
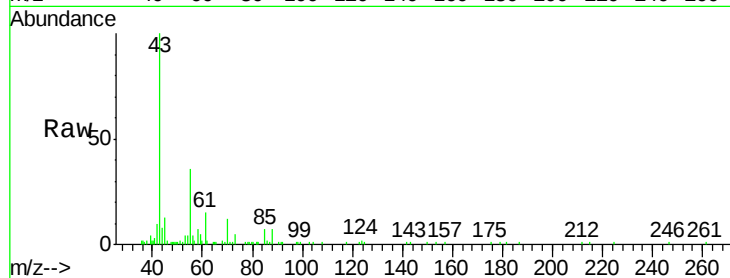
#37
Ethyl Acetate
Concen: 4.799 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	28975
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.9	17.9
70	14.5	9.7	14.5

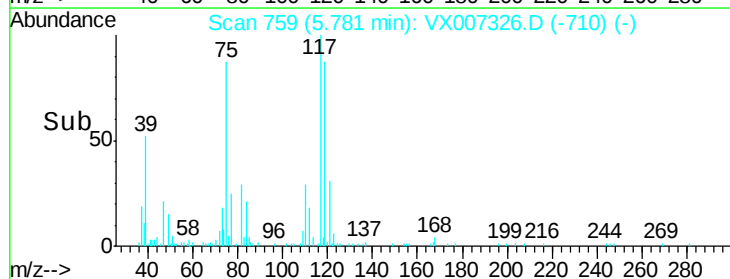
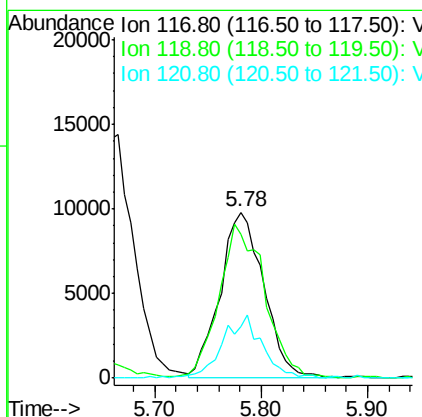
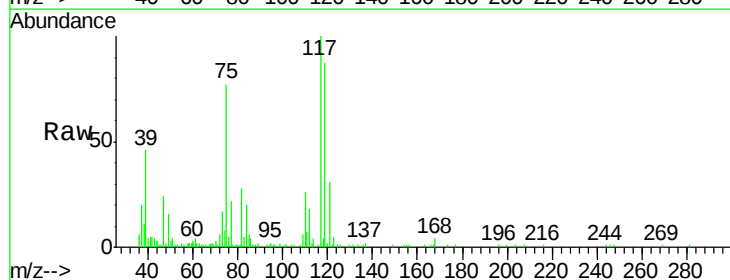
Manual Integrations
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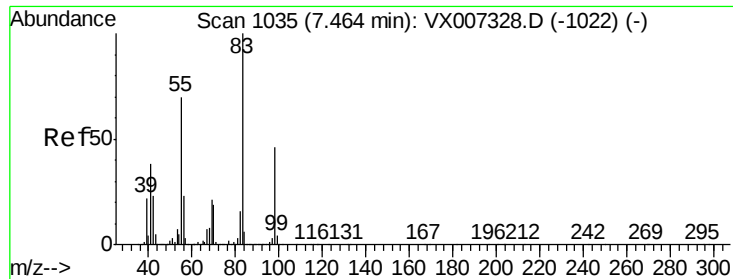
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#38
Carbon Tetrachloride
Concen: 4.798 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion:	117	Resp:	27805
Ion	Ratio	Lower	Upper
117	100		
119	87.0	79.4	119.2
121	30.2	24.0	36.0





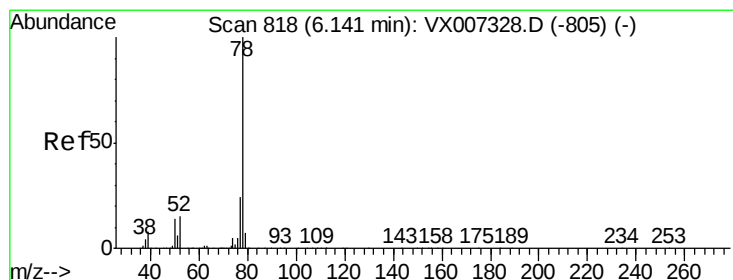
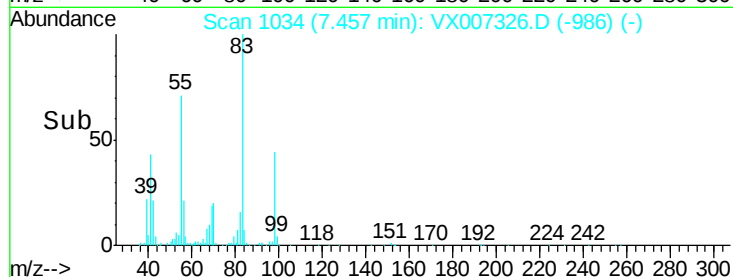
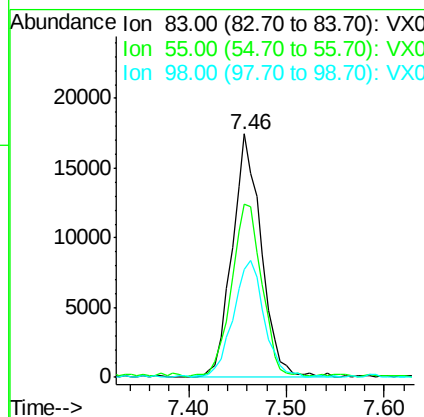
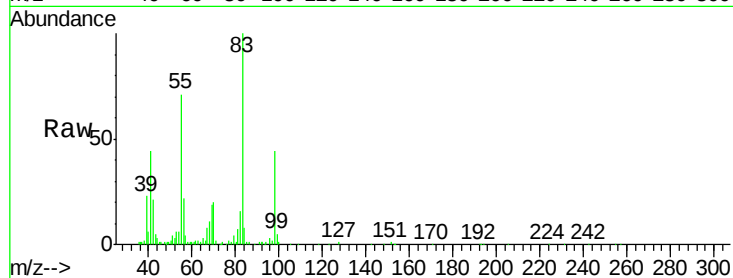
#39
Methvlcvclohexane
Concen: 5.000 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	54.9	82.3
98	44.4	37.9	56.9

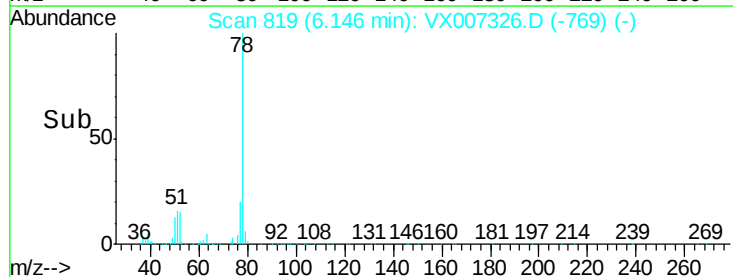
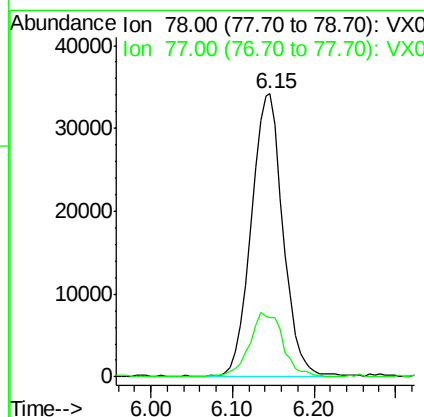
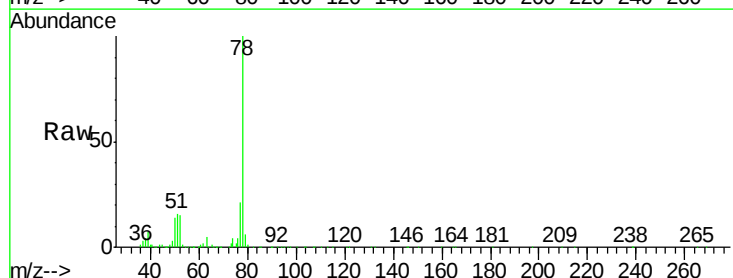
Manual Integrations
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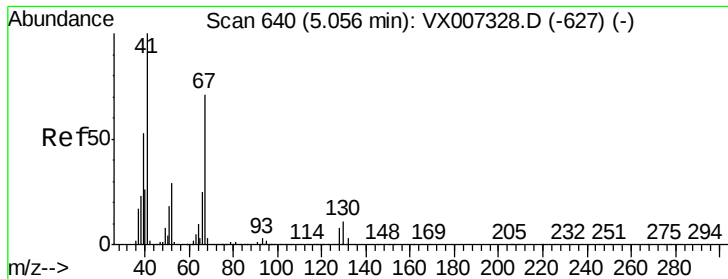
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#40
Benzene
Concen: 5.291 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.9	19.2	28.8





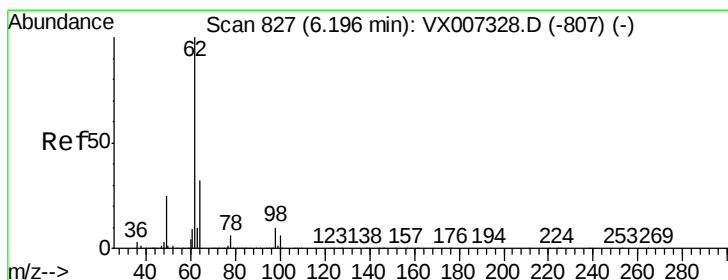
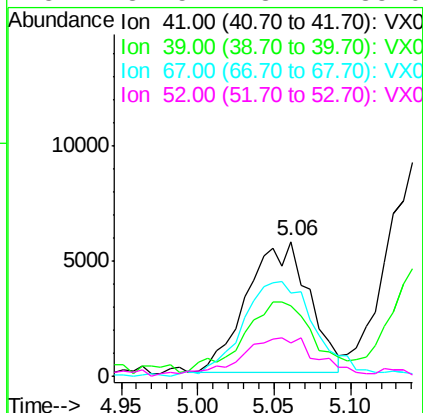
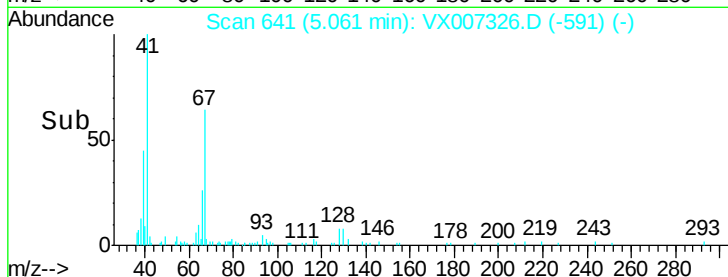
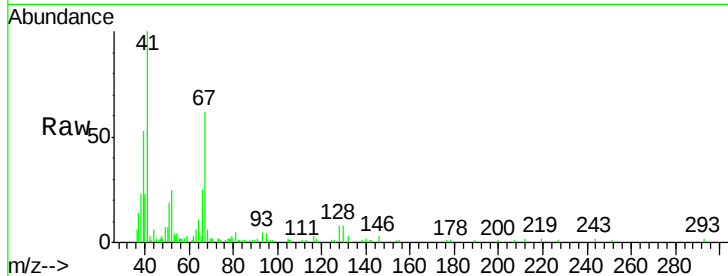
#41
Methacrylonitrile
Concen: 4.841 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.8	42.8	64.2
67	85.5	62.1	93.1
52	32.5	23.4	35.0

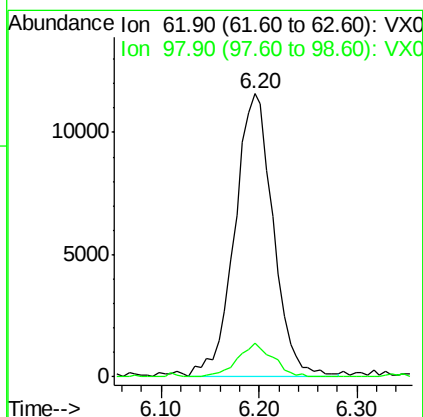
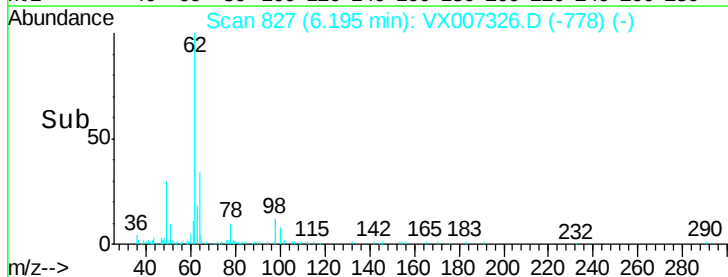
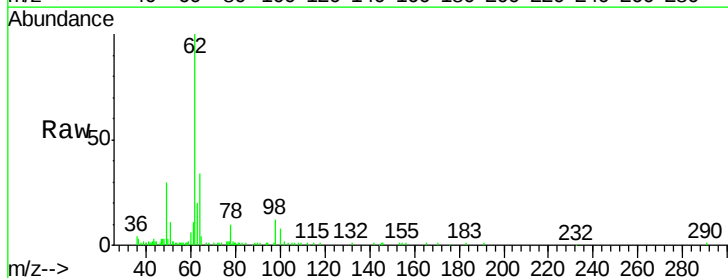
Manual Integrations
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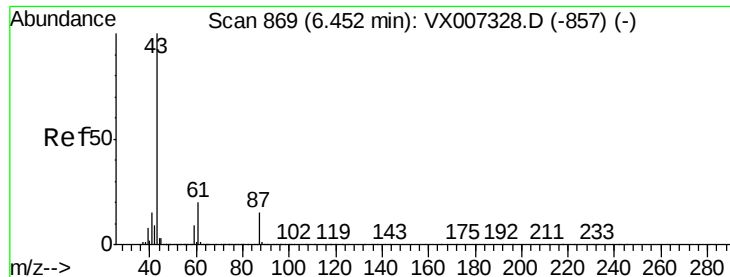
MMDadoda
2/4/2019 9:37:23 AM



#42
1,2-Dichloroethane
Concen: 5.204 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.2





#43

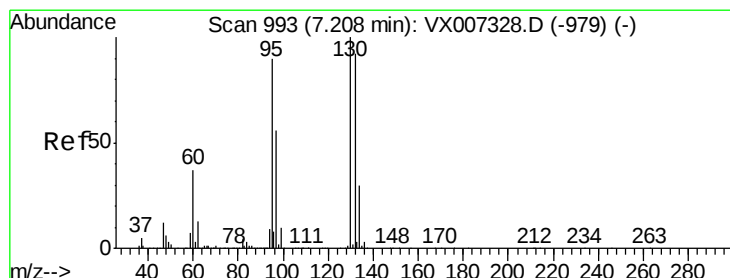
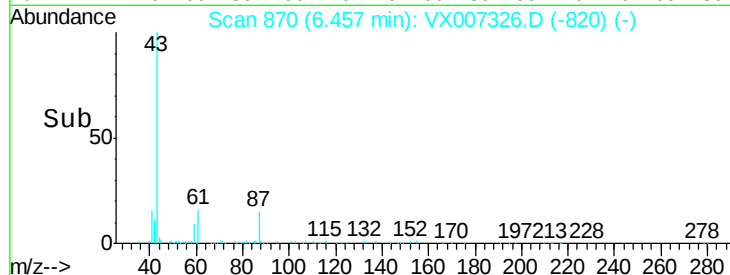
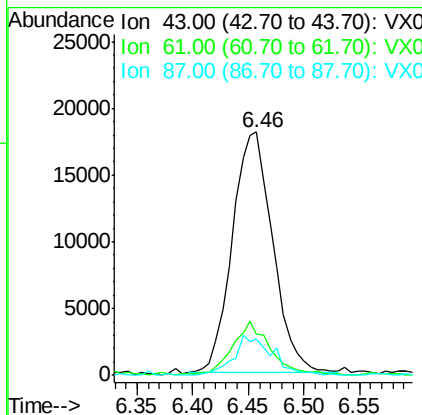
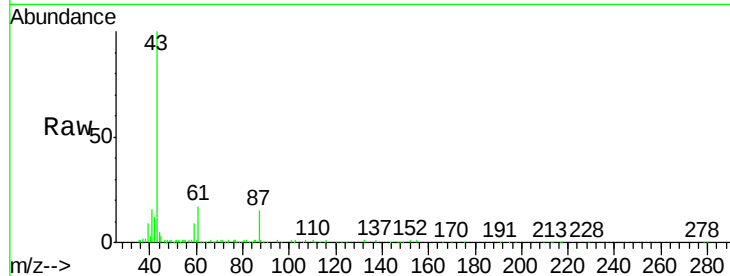
Isopropyl Acetate
 Concen: 4.884 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007326.D
 Acq: 01 Feb 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.8	25.2
87	15.9	12.4	18.6

Manual Integrations
 APPROVED

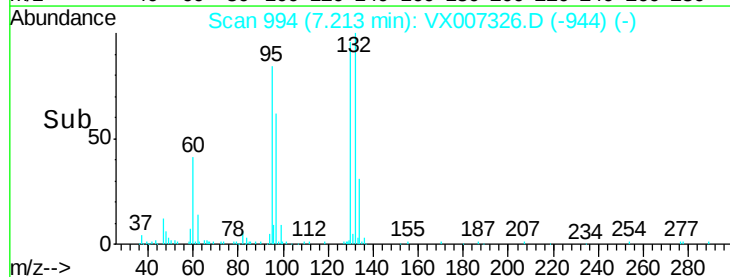
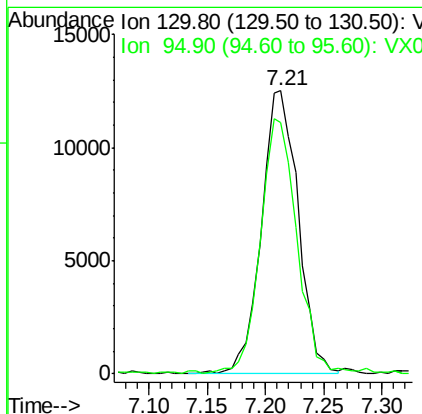
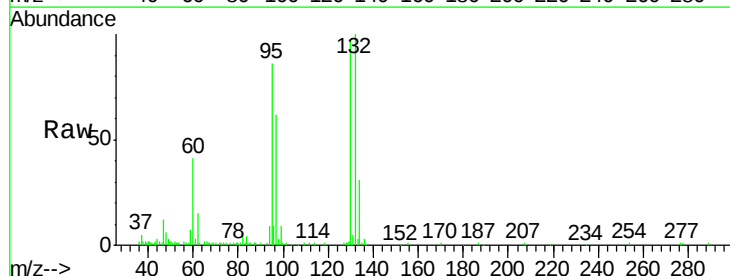
MMDadoda
 2/4/2019 9:37:23 AM

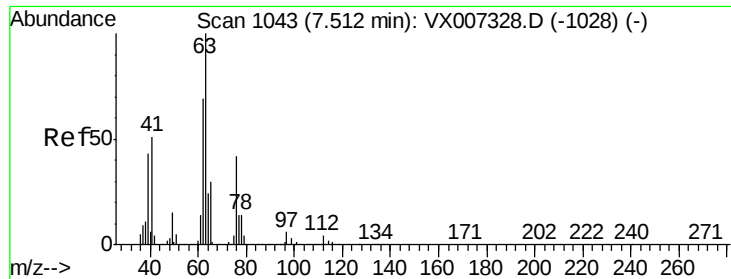


#44

Trichloroethene
 Concen: 5.146 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007326.D
 Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.6	0.0	187.0





#45

1,2-Dichloropropane

Concen: 5.182 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 22844

Ion Ratio Lower Upper

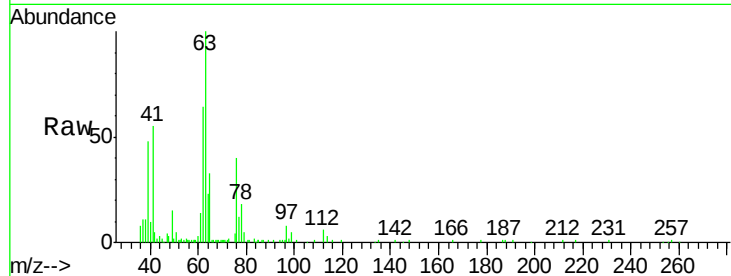
63 100

65 33.3 25.4 38.0

Manual Integrations
APPROVED

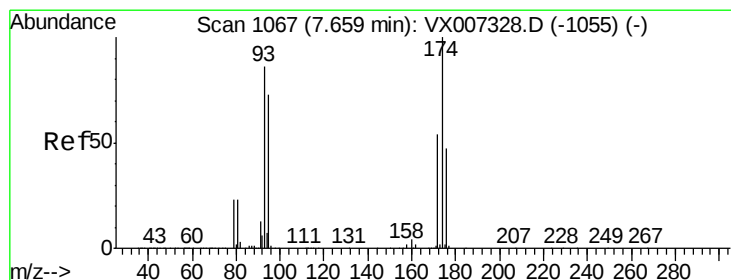
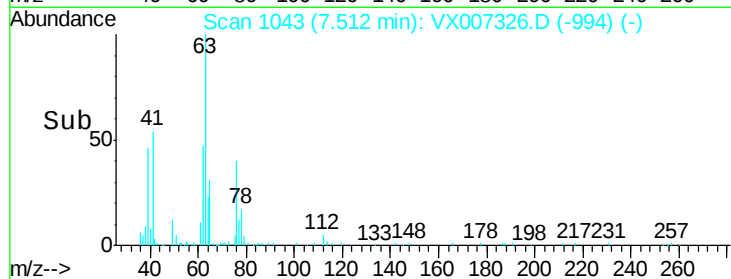
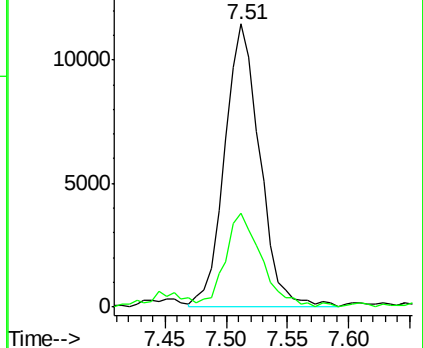
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 5.210 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

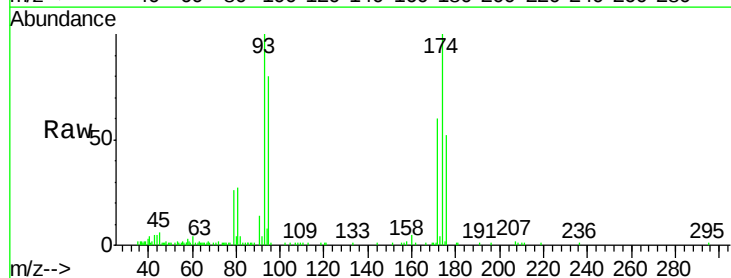
Tgt Ion: 93 Resp: 16694

Ion Ratio Lower Upper

93 100

95 82.9 66.2 99.4

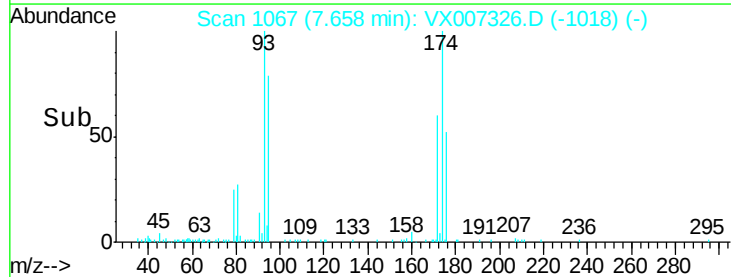
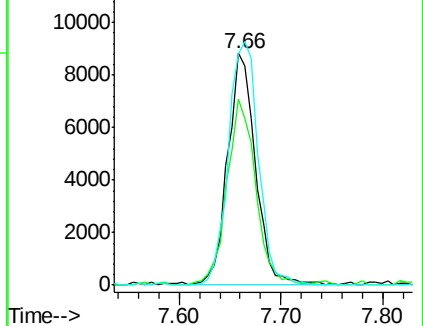
174 112.3 91.0 136.4

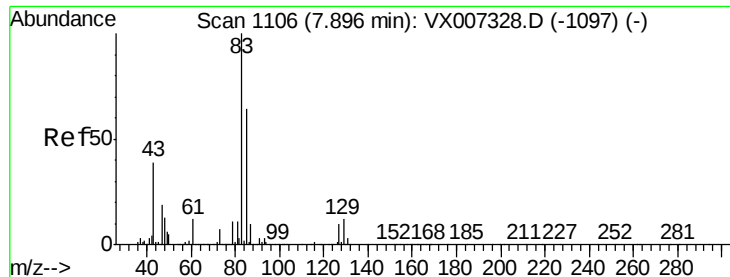


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.780 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

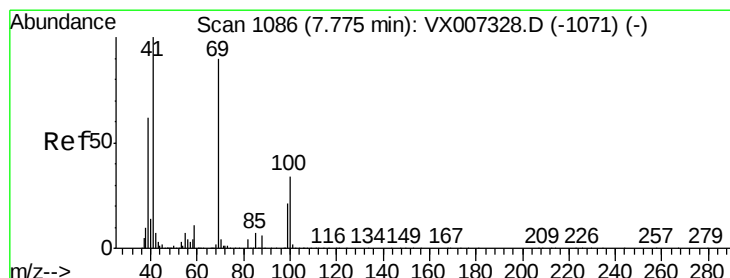
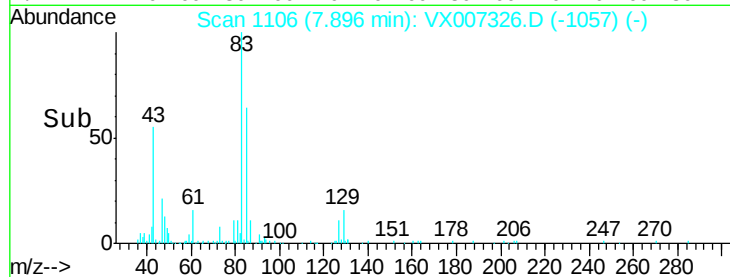
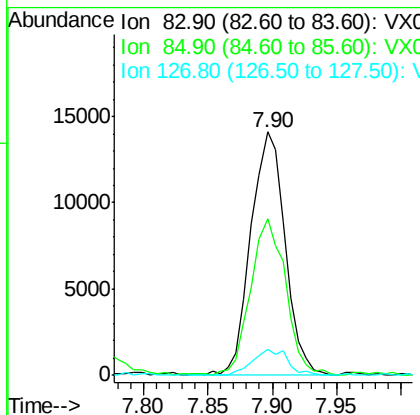
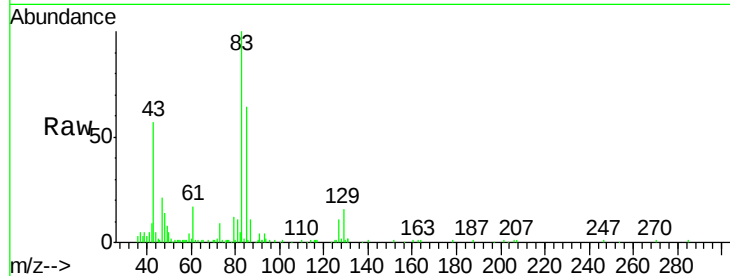
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	25958
Ion Ratio	Lower	Upper	
83	100		
85	64.1	53.2	79.8
127	10.7	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.155 ug/l

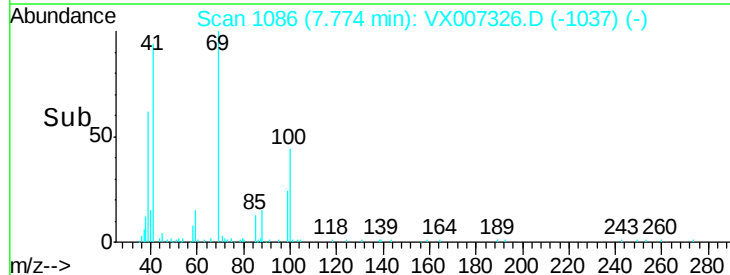
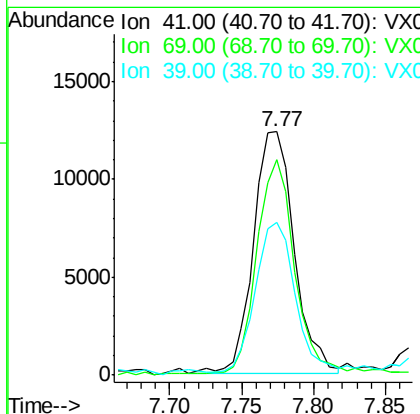
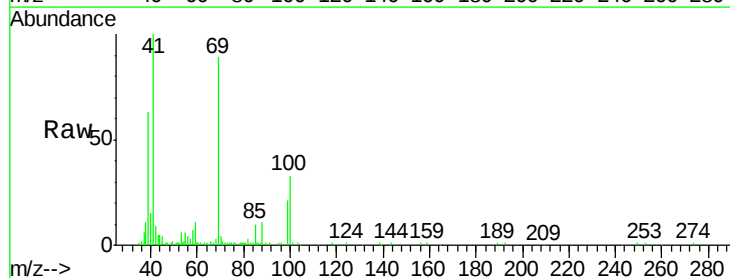
RT: 7.77 min Scan# 1086

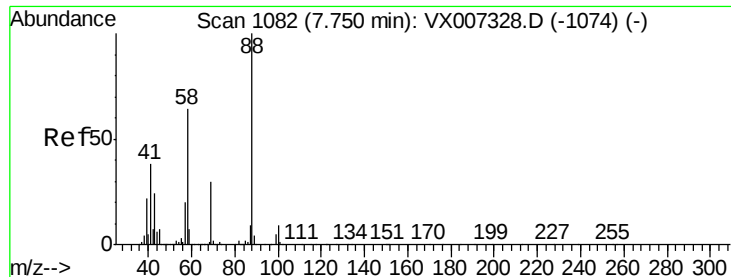
Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion:	41	Resp:	24032
Ion Ratio	Lower	Upper	
41	100		
69	87.2	72.4	108.6
39	64.5	45.8	68.8





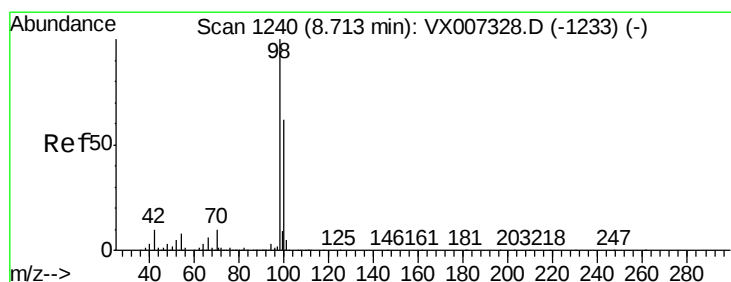
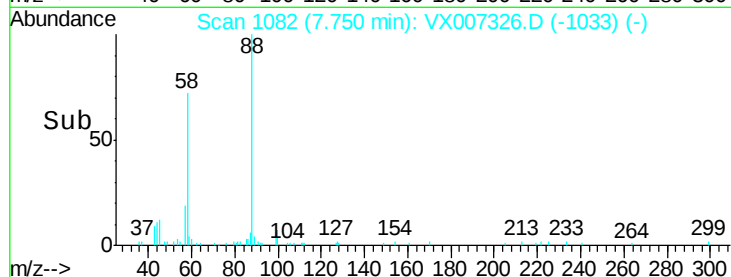
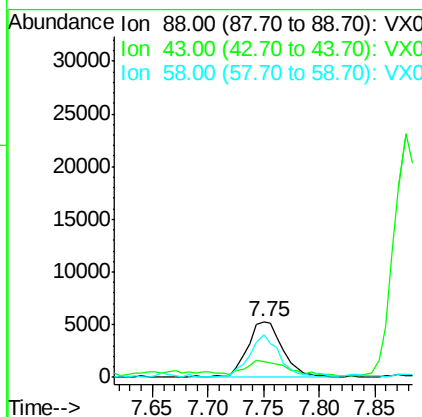
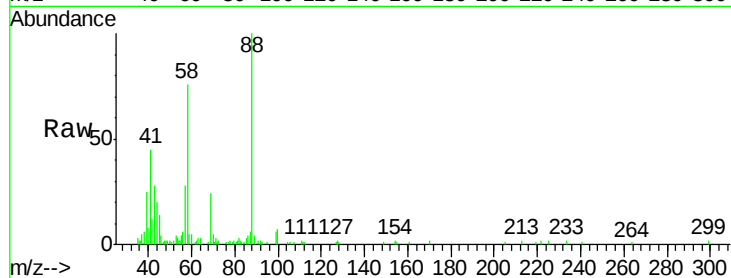
#49
1,4-Dioxane
Concen: 102.043 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	22.2	33.4
58	64.5	51.0	76.4

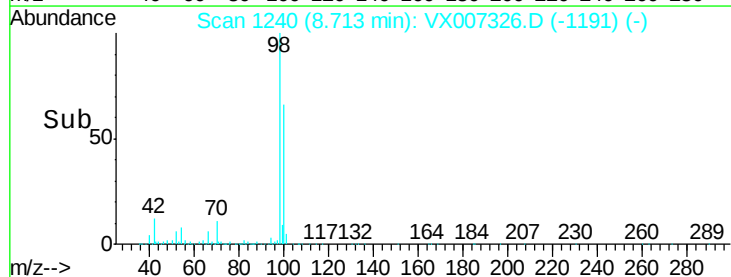
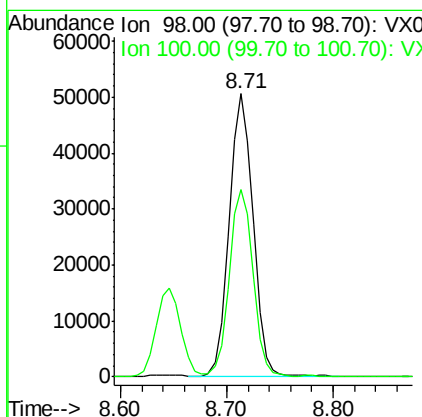
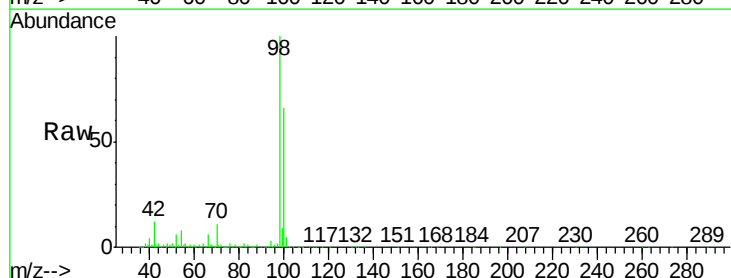
Manual Integrations
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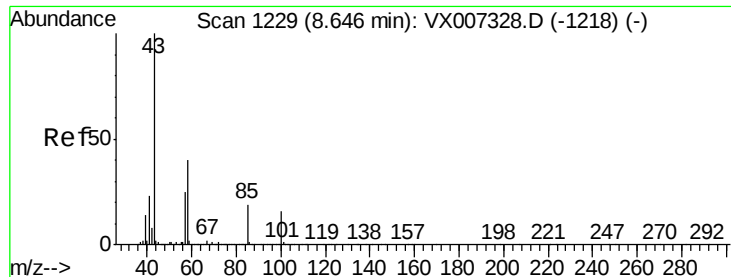
MMDadoda
2/4/2019 9:37:23 AM



#50
Toluene-d8
Concen: 4.965 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 25.318 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 155335

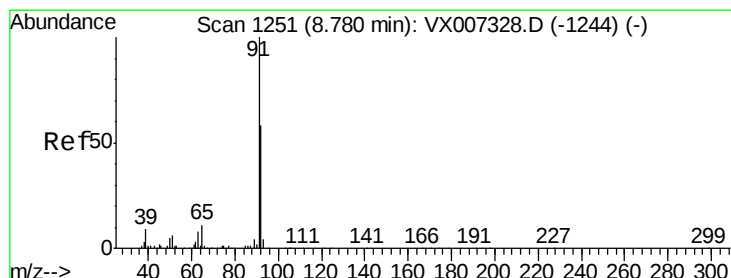
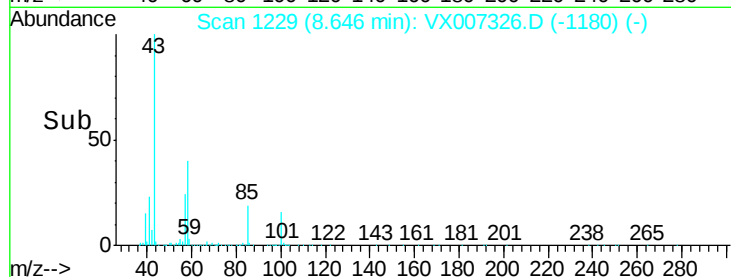
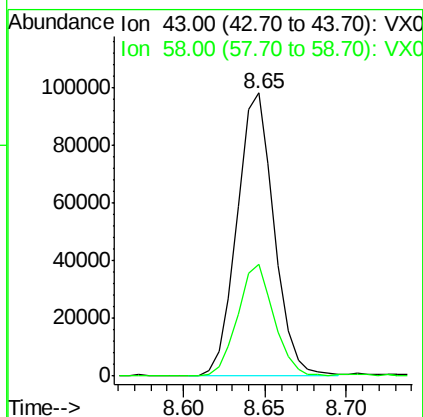
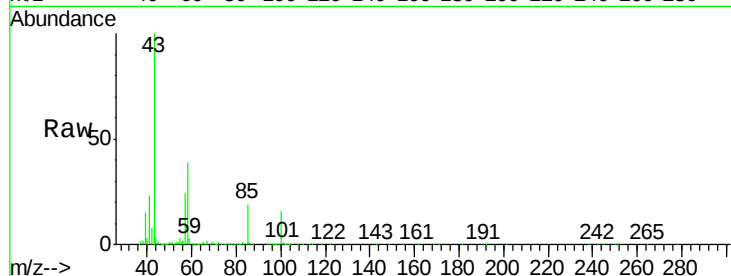
Ion Ratio Lower Upper

43 100

58 39.0 31.8 47.6

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#52

Toluene

Concen: 5.294 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX007326.D

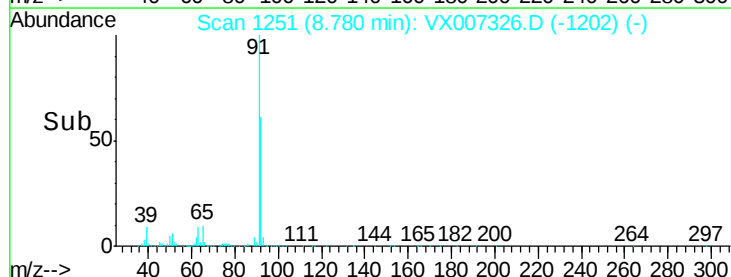
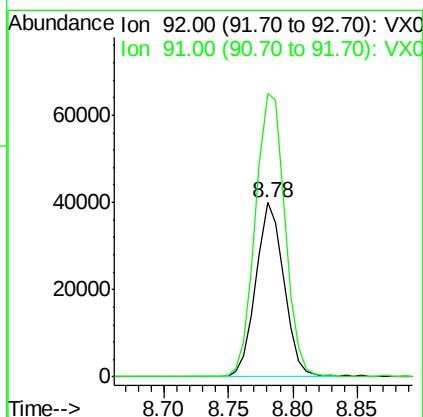
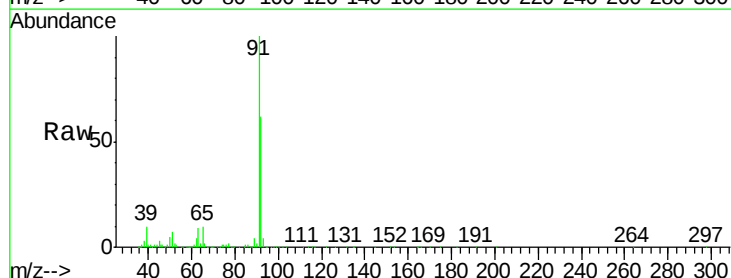
Acq: 01 Feb 2019 10:03

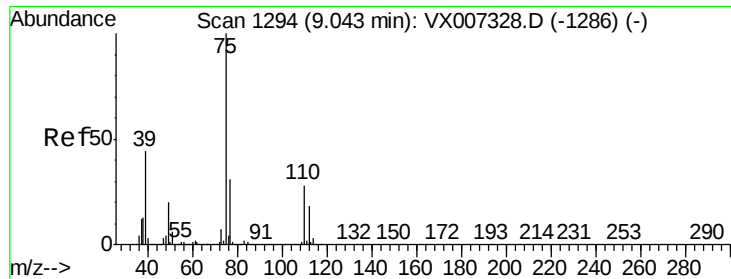
Tgt Ion: 92 Resp: 60102

Ion Ratio Lower Upper

92 100

91 172.1 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 4.463 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 26033

Ion Ratio Lower Upper

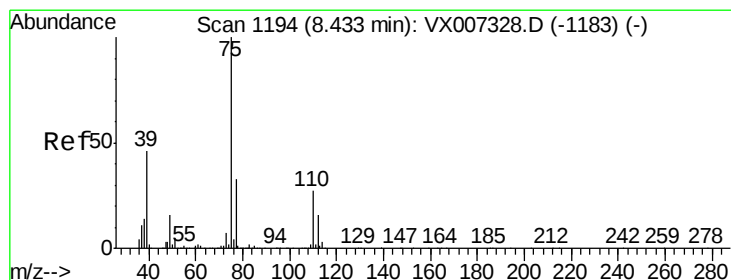
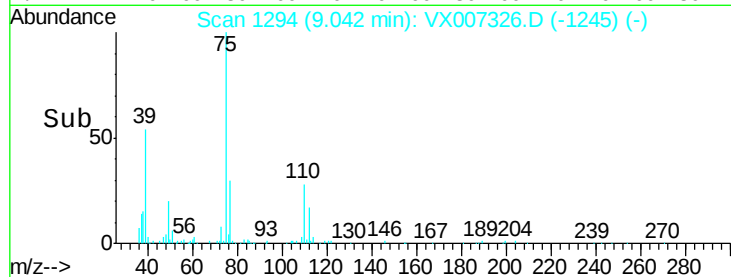
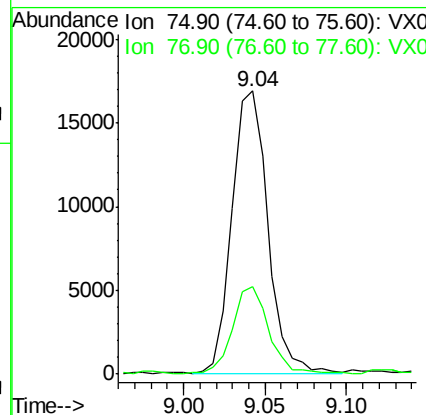
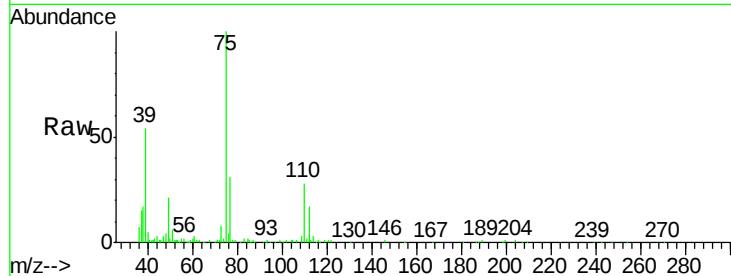
75 100

77 30.4 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 4.730 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

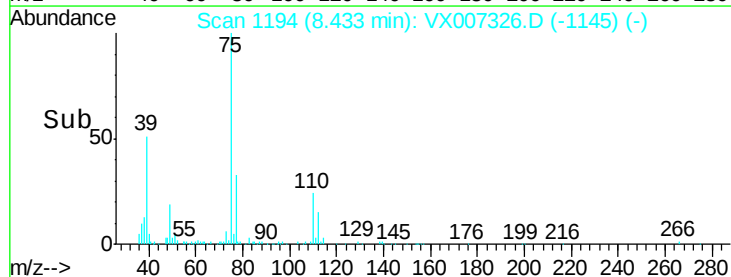
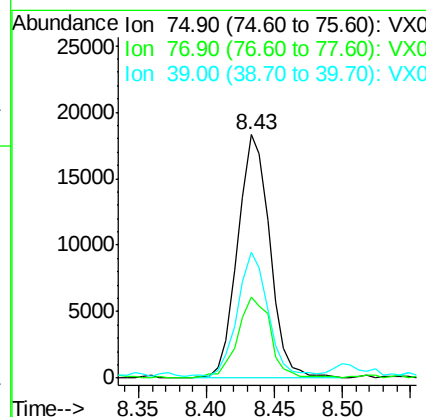
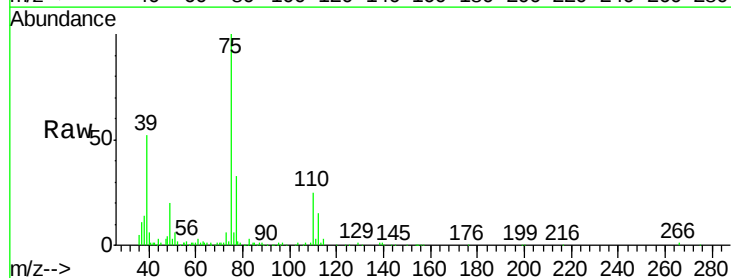
Tgt Ion: 75 Resp: 30340

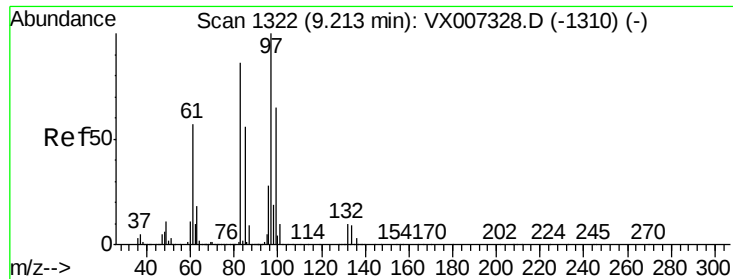
Ion Ratio Lower Upper

75 100

77 33.1 26.2 39.2

39 50.6 36.7 55.1





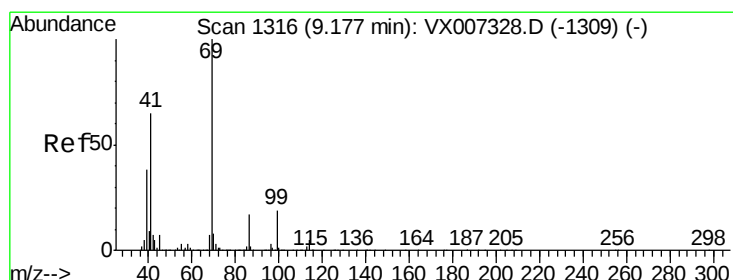
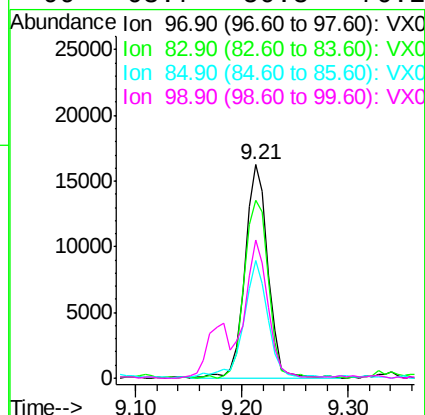
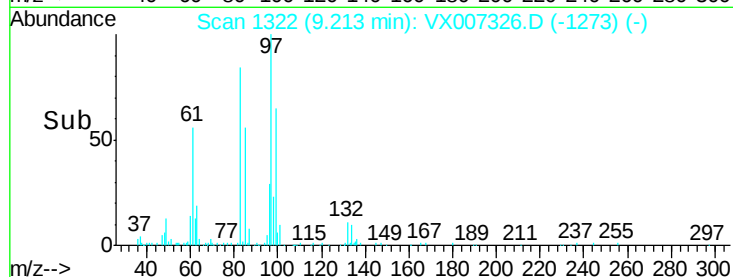
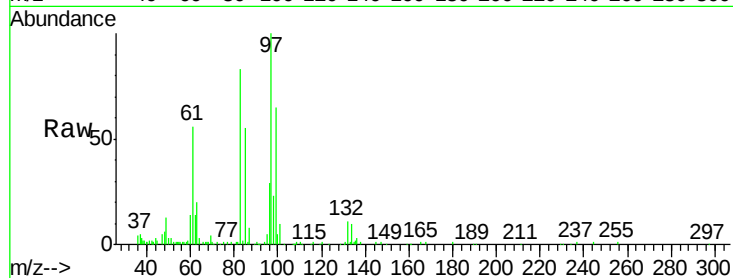
#55
 1,1,2-Trichloroethane
 Concen: 5.228 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007326.D
 Acq: 01 Feb 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	24738
Ion Ratio	Lower	Upper	
97	100		
83	82.7	66.6	99.8
85	54.5	42.7	64.1
99	63.7	50.8	76.2

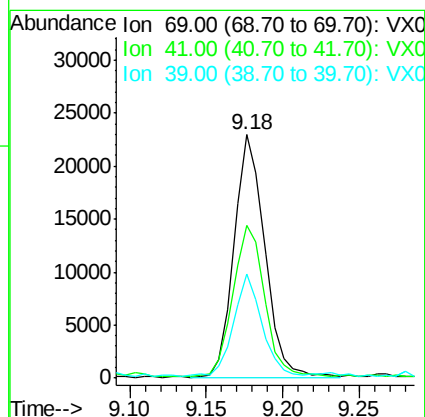
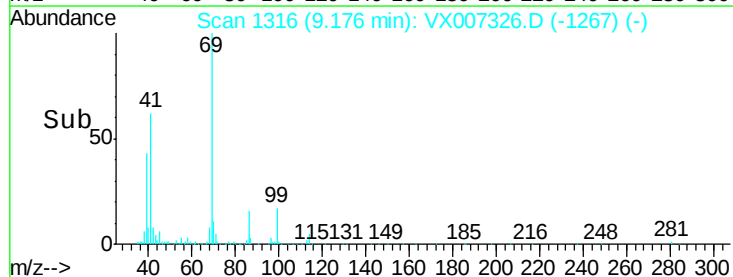
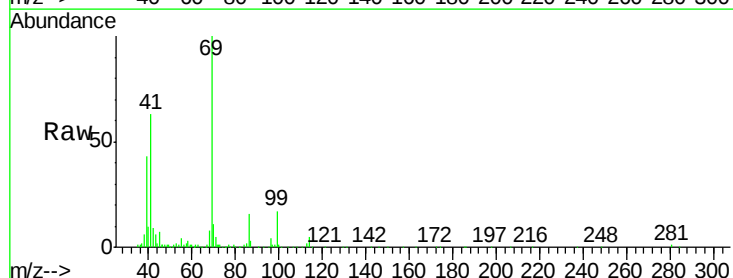
Manual Integrations
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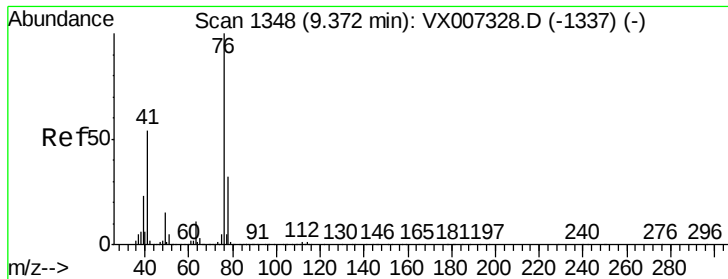
MMDadoda
 2/4/2019 9:37:23 AM



#56
 Ethyl methacrylate
 Concen: 4.915 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX007326.D
 Acq: 01 Feb 2019 10:03

Tgt Ion:	69	Resp:	32215
Ion Ratio	Lower	Upper	
69	100		
41	63.5	48.7	73.1
39	38.8	27.0	40.6





#57

1,3-Dichloropropane

Concen: 5.376 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 40460

Ion Ratio Lower Upper

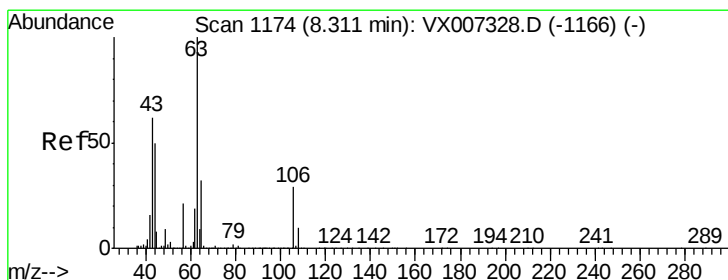
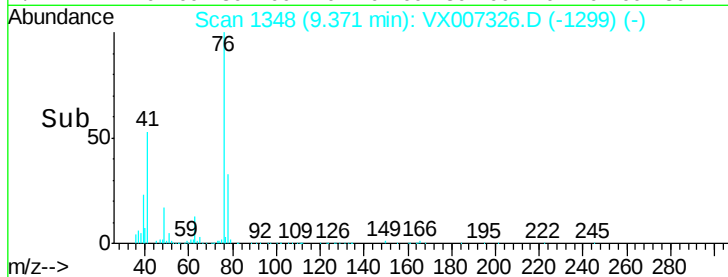
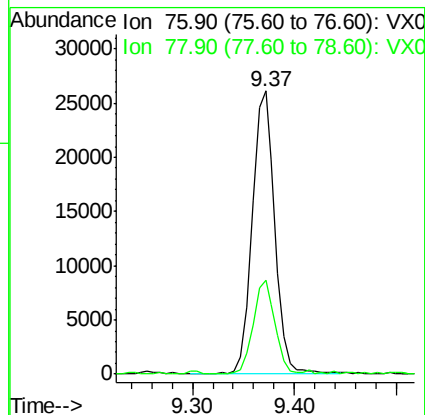
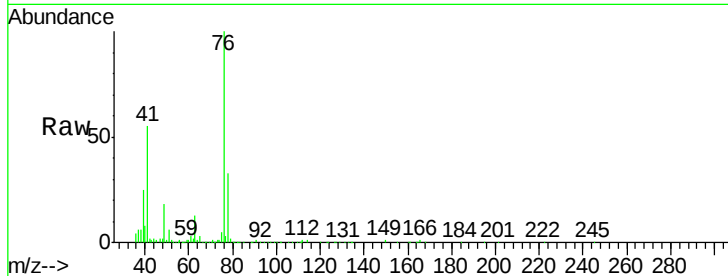
76 100

78 32.1 26.0 39.0

Manual Integrations
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MMDadoda

2/4/2019 9:37:23 AM



#58

2-Chloroethyl Vinyl ether

Concen: 24.430 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007326.D

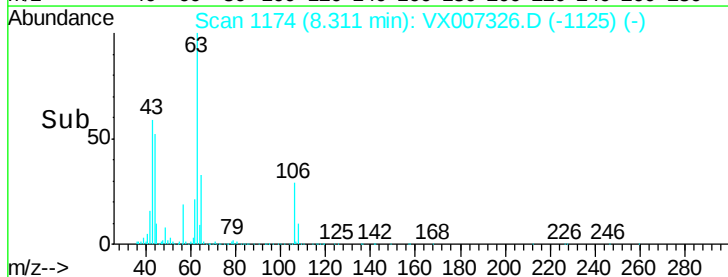
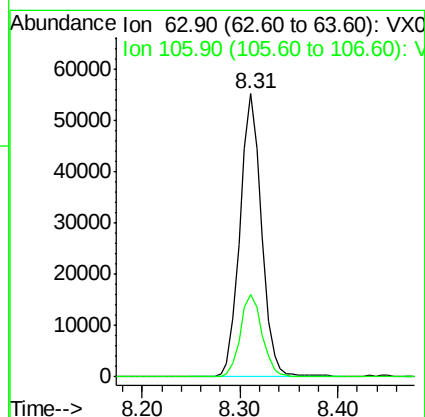
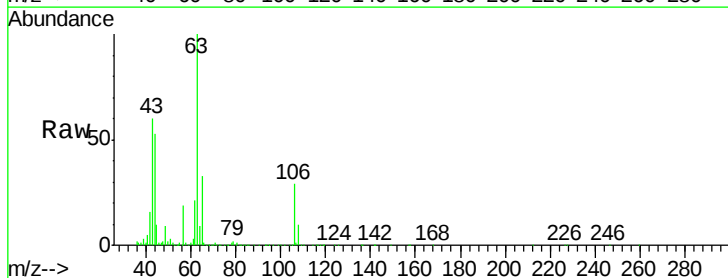
Acq: 01 Feb 2019 10:03

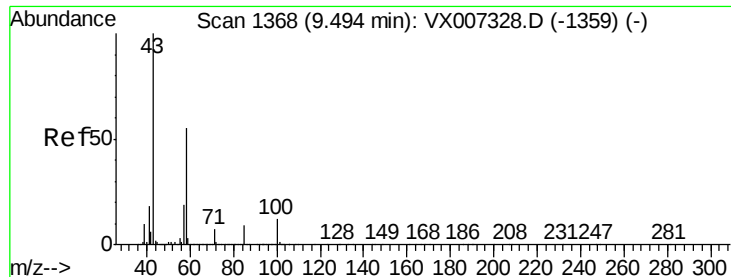
Tgt Ion: 63 Resp: 84392

Ion Ratio Lower Upper

63 100

106 29.7 24.6 36.8





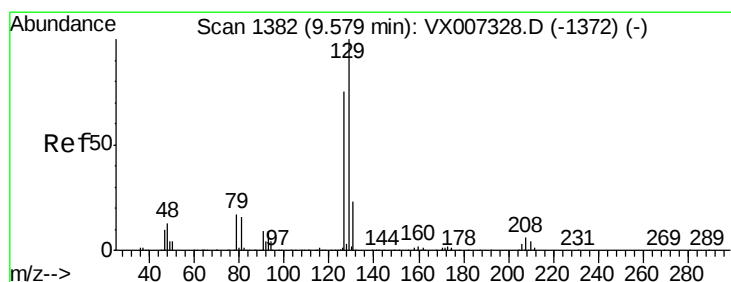
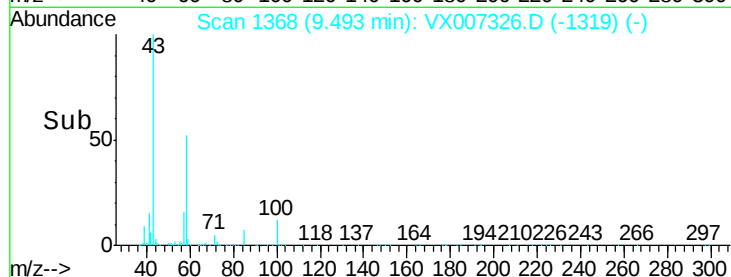
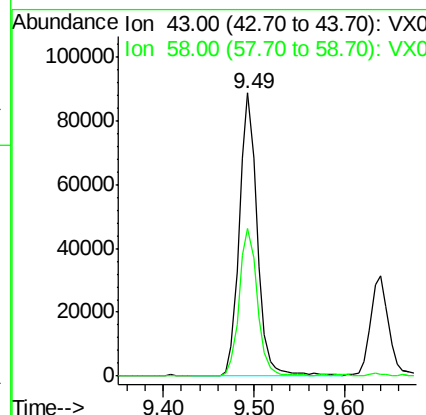
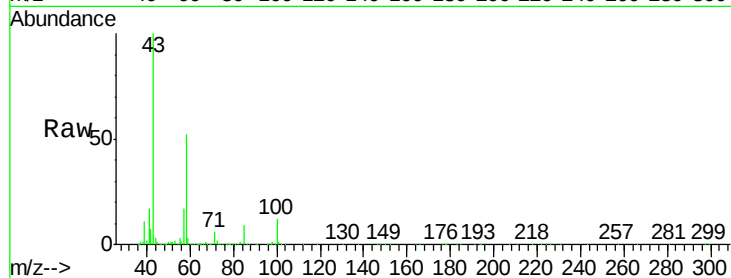
#59
2-Hexanone
Concen: 25.546 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.4	27.7	83.1

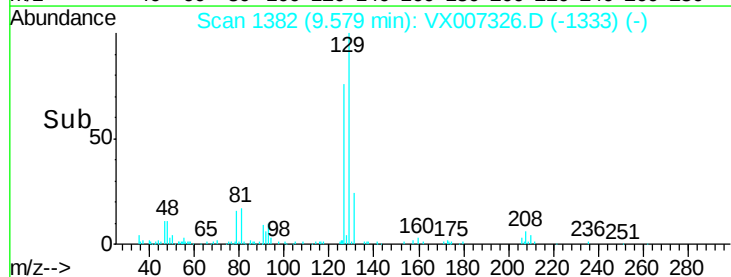
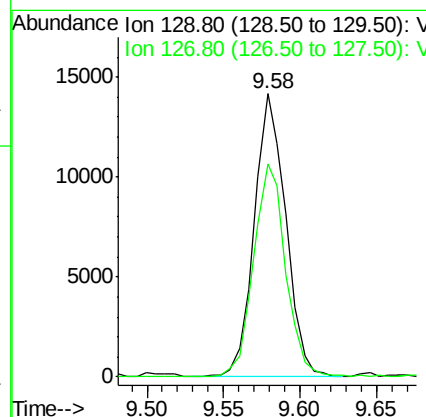
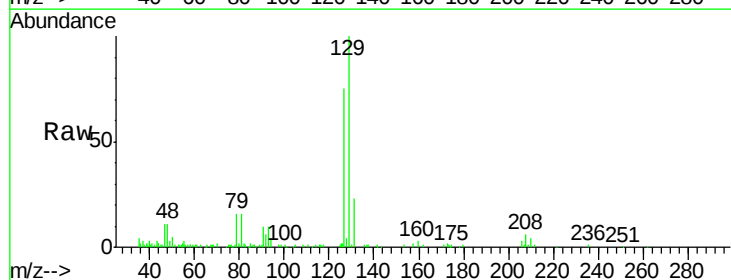
Manual Integrations
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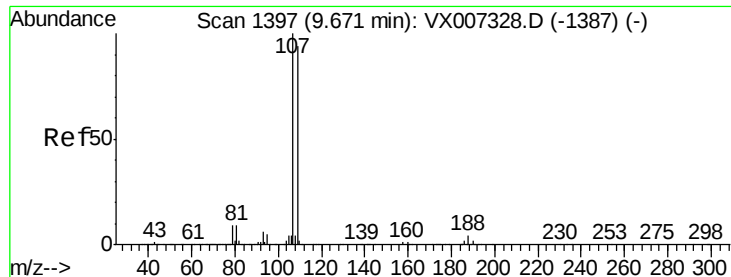
MMDadoda
2/4/2019 9:37:23 AM



#60
Dibromochloromethane
Concen: 4.535 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.3	117.8





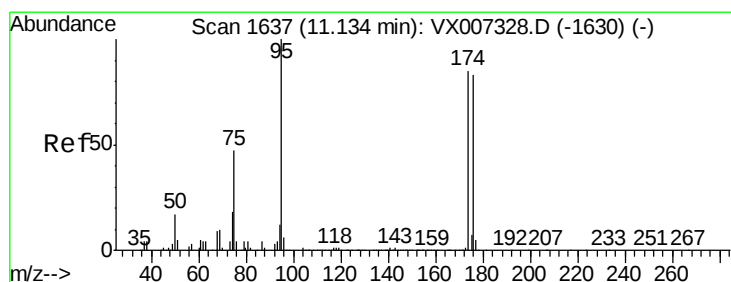
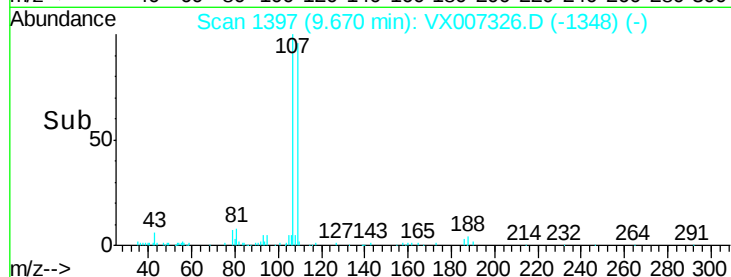
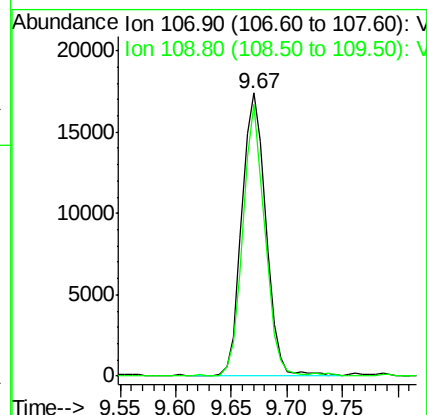
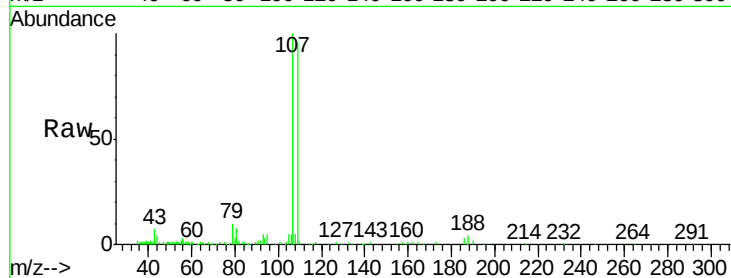
#61
 1,2-Dibromoethane
 Concen: 5.238 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX007326.D
 Acq: 01 Feb 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	85.9	75.8	113.6

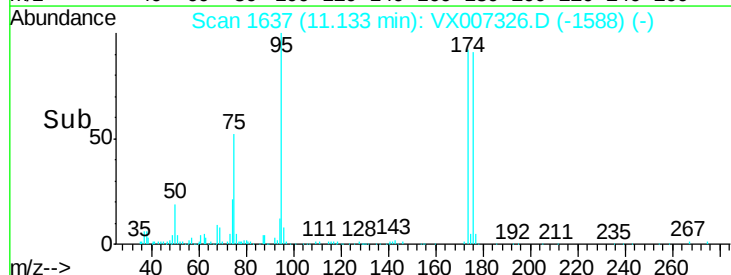
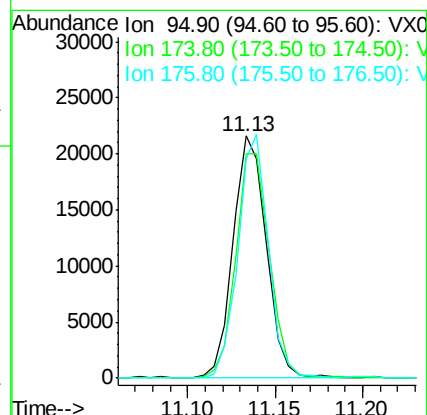
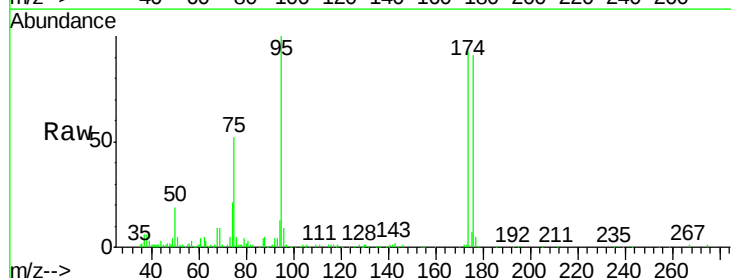
Manual Integrations
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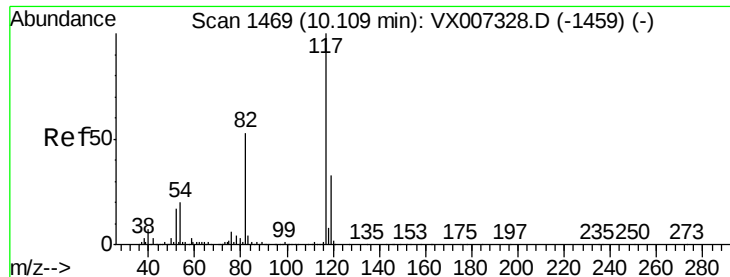
MMDadoda
 2/4/2019 9:37:23 AM



#62
 4-Bromofluorobenzene
 Concen: 4.875 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX007326.D
 Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.1	0.0	182.2
176	92.0	0.0	178.8





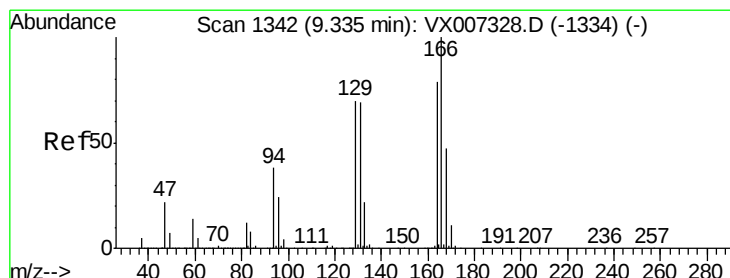
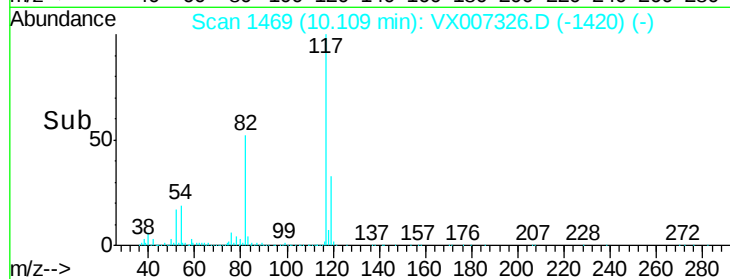
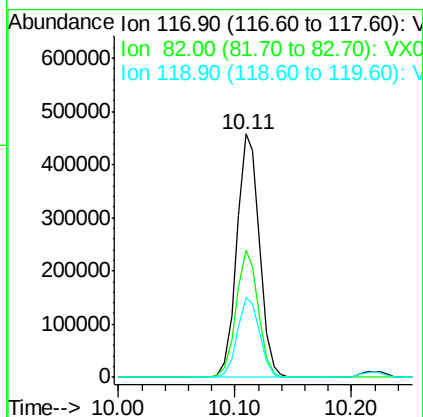
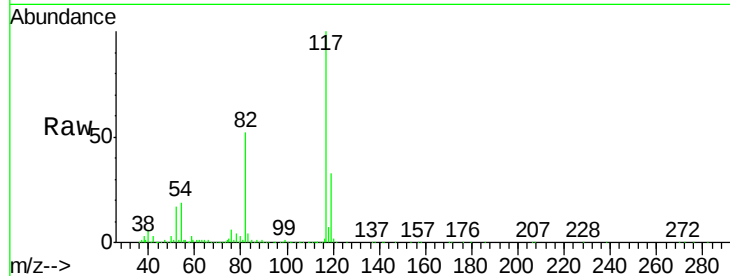
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.0	61.6
119	32.6	25.4	38.0

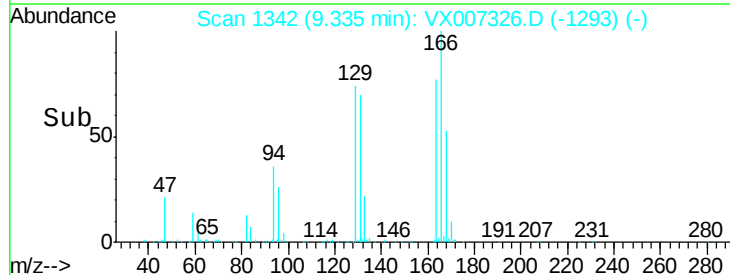
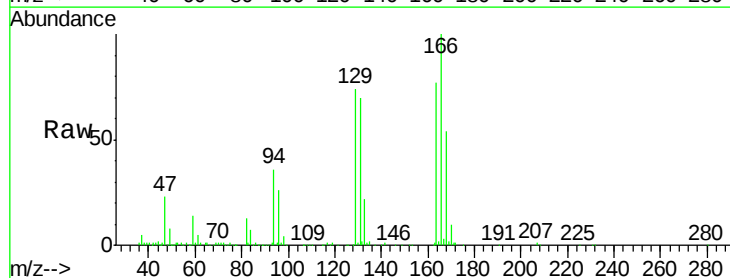
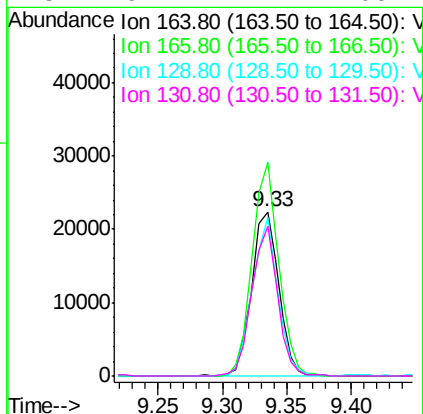
Manual Integrations
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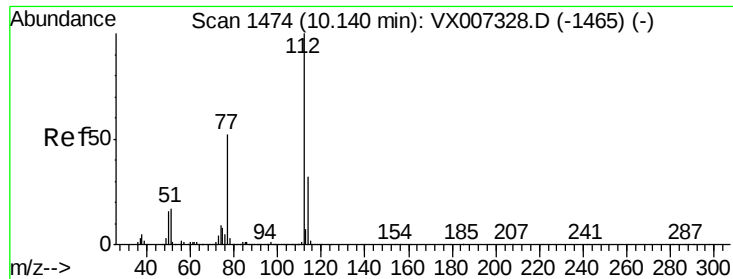
MMDadoda
2/4/2019 9:37:23 AM



#64
Tetrachloroethene
Concen: 5.557 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	102.5	153.7
129	96.6	75.1	112.7
131	91.1	72.7	109.1





#65

Chlorobenzene

Concen: 5.197 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 70048

Ion Ratio Lower Upper

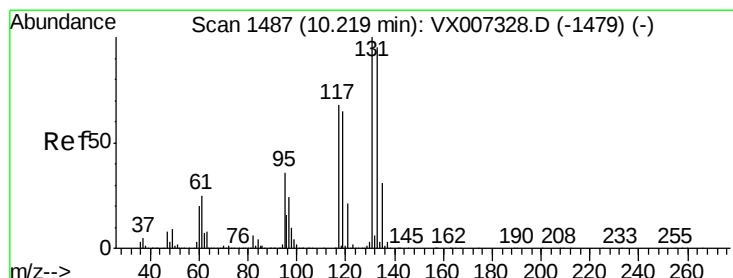
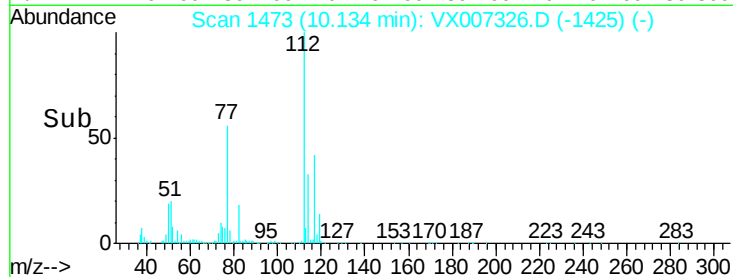
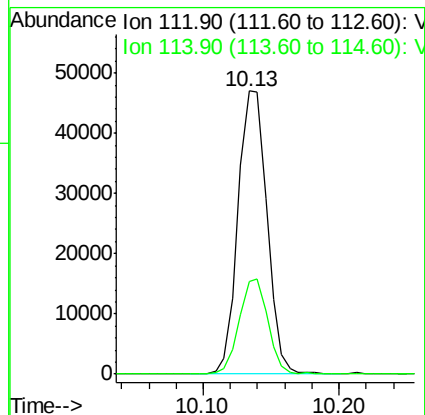
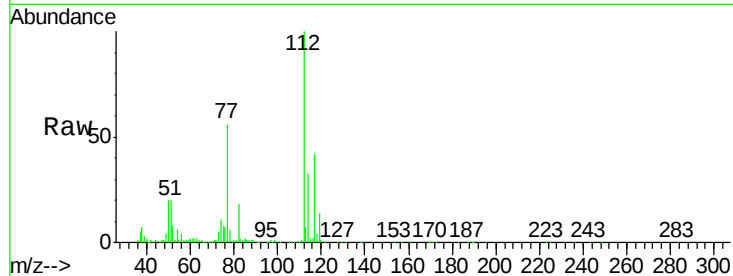
112 100

114 32.6 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 4.956 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

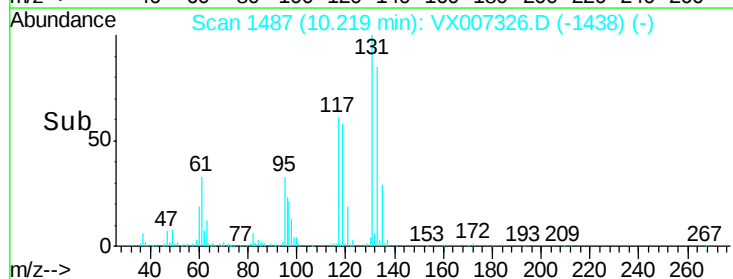
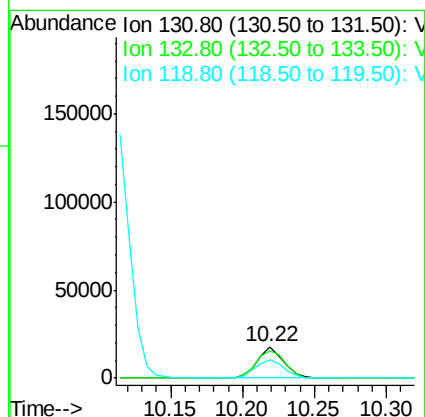
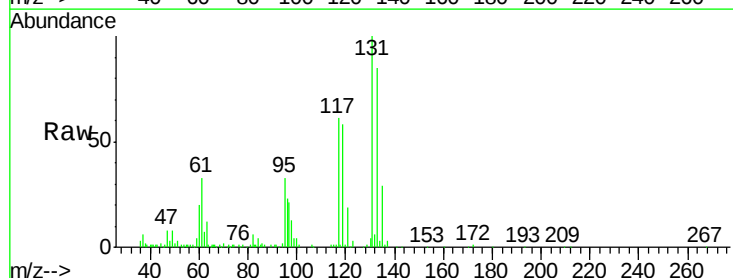
Tgt Ion:131 Resp: 22392

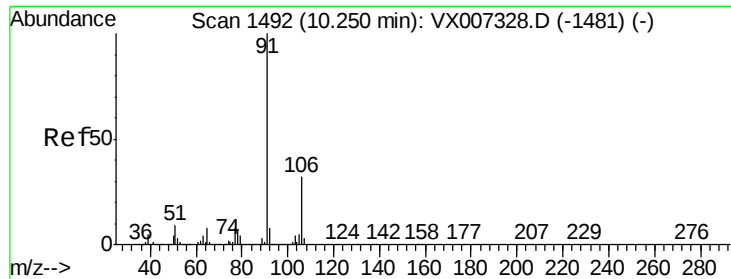
Ion Ratio Lower Upper

131 100

133 96.0 48.0 144.2

119 64.5 32.6 97.8





#67

Ethyl Benzene

Concen: 5.182 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 112462

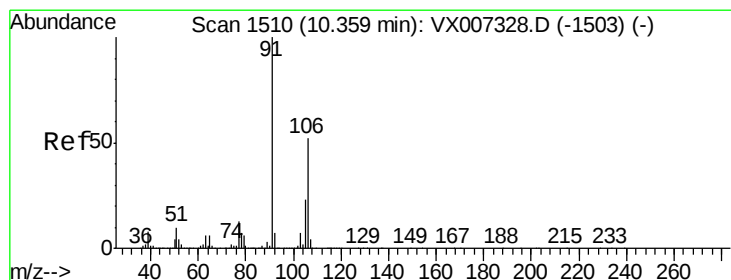
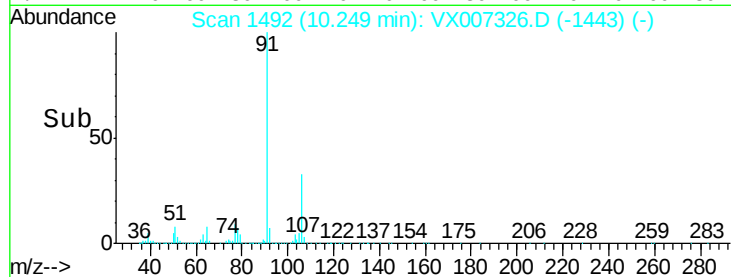
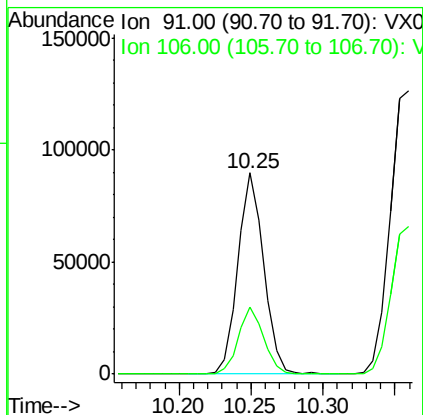
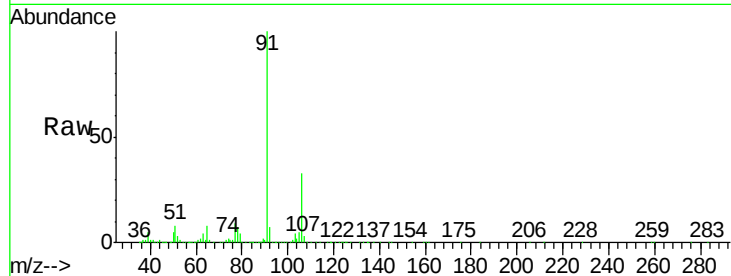
Ion Ratio Lower Upper

91 100

106 33.4 26.4 39.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 10.289 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007326.D

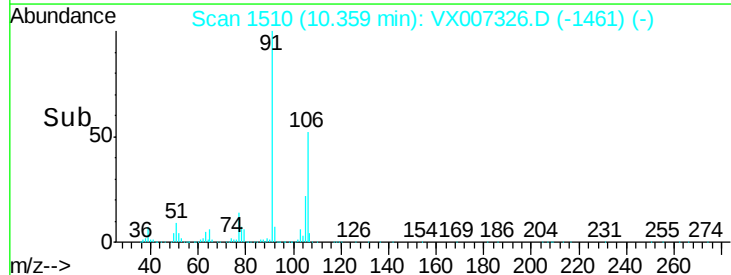
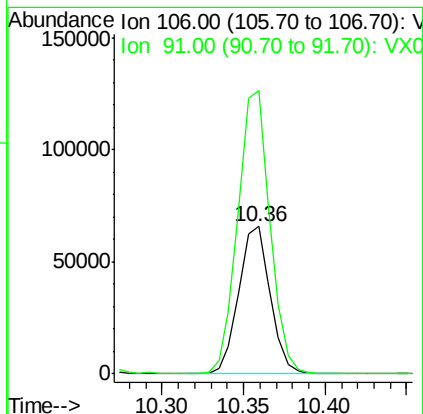
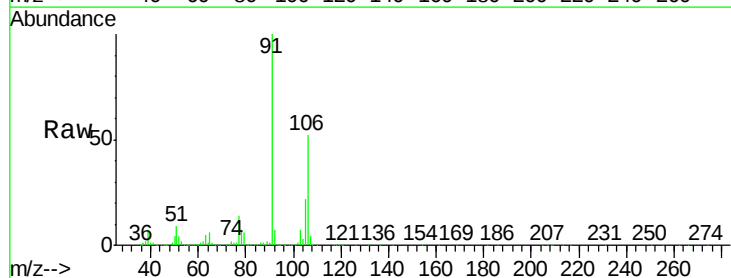
Acq: 01 Feb 2019 10:03

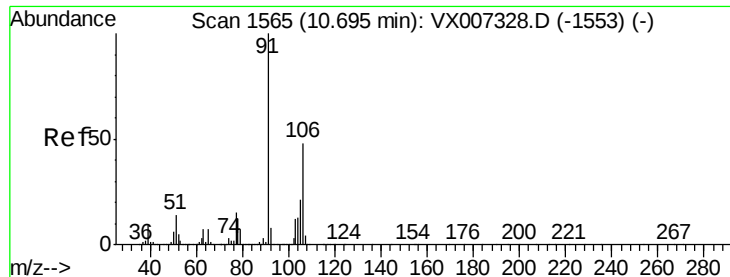
Tgt Ion: 106 Resp: 88767

Ion Ratio Lower Upper

106 100

91 196.2 155.8 233.6





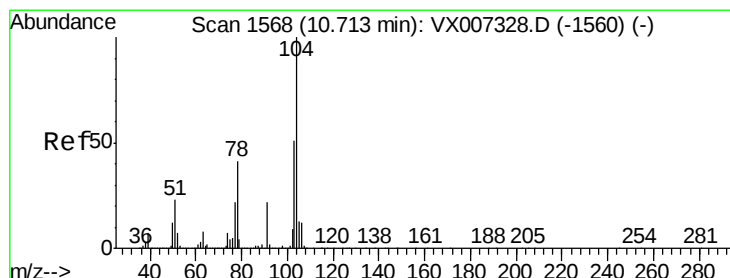
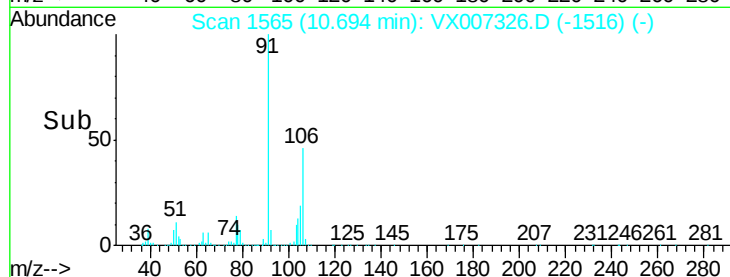
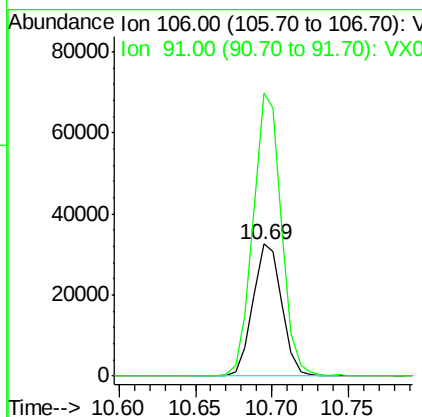
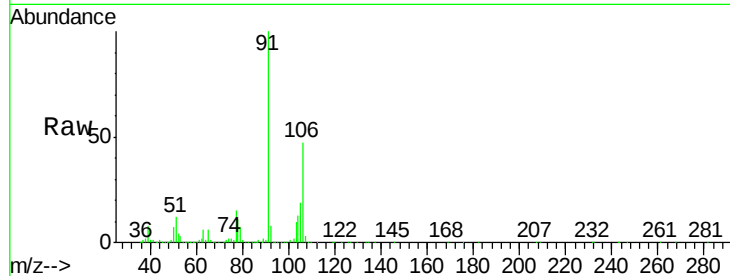
#69
o-Xylene
Concen: 5.181 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.4	101.3	303.7	

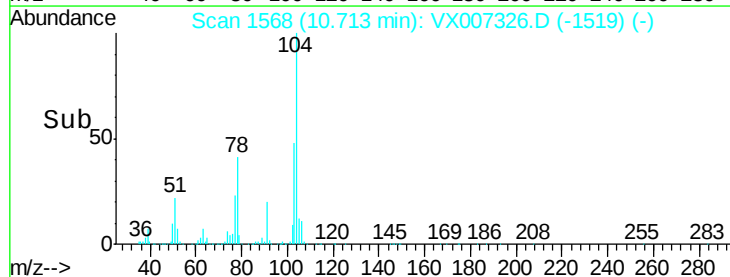
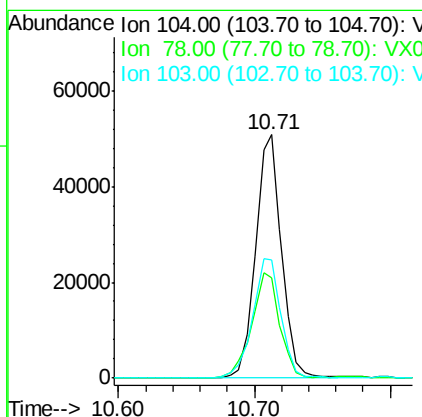
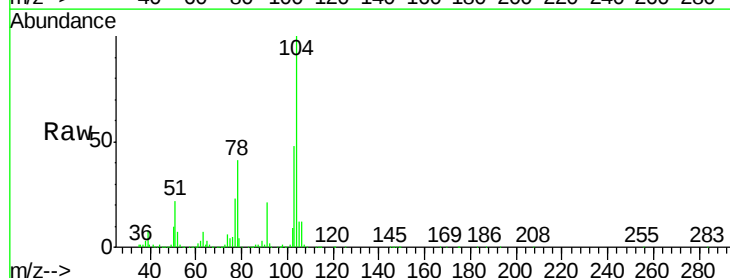
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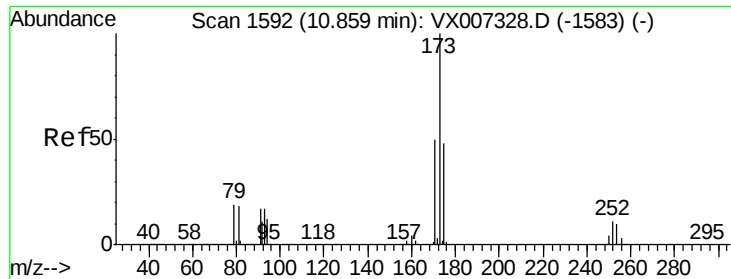
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#70
Styrene
Concen: 5.046 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.8	37.7	56.5	
103	54.0	43.8	65.8	





#71

Bromoform

Concen: 4.226 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:173 Resp: 14775

Ion Ratio Lower Upper

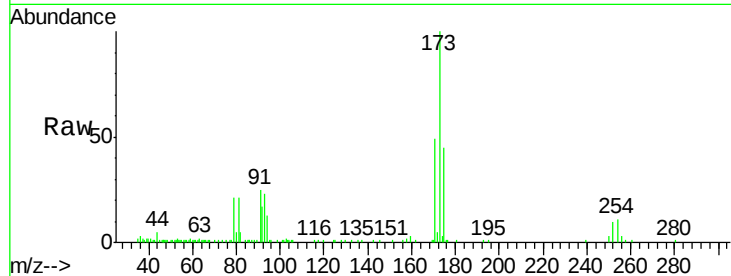
173 100

175 51.0 24.7 74.1

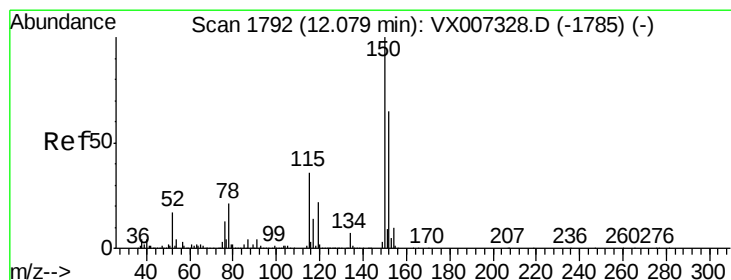
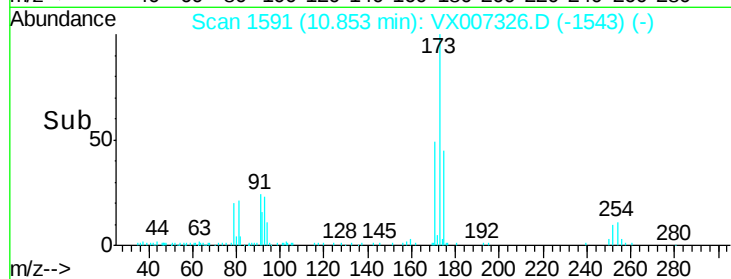
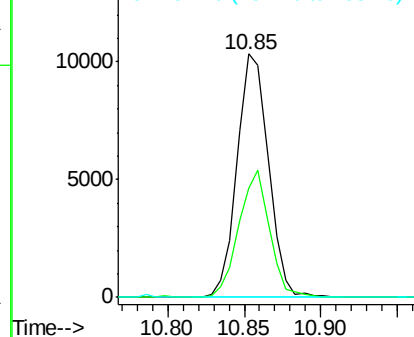
254 0.0 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

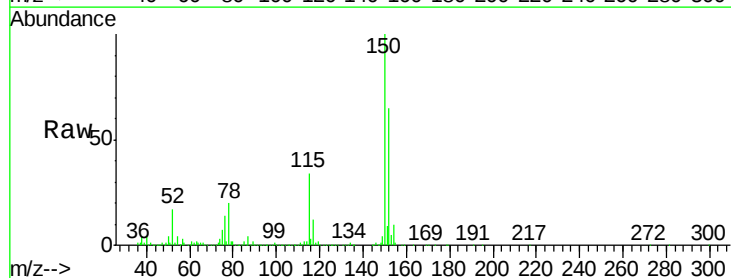
Tgt Ion:152 Resp: 316988

Ion Ratio Lower Upper

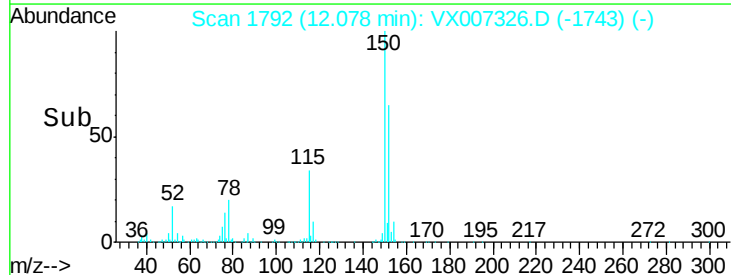
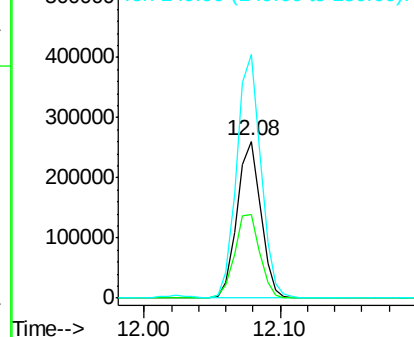
152 100

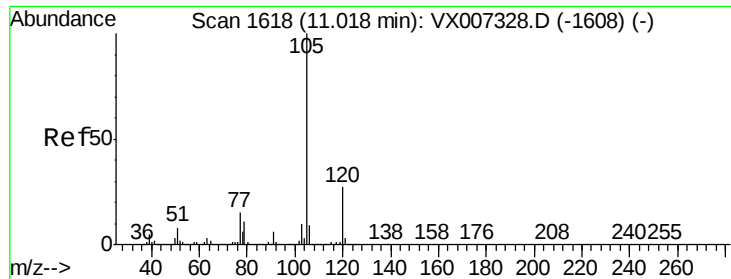
115 57.0 39.1 117.2

150 158.0 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.399 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 105 Resp: 116299

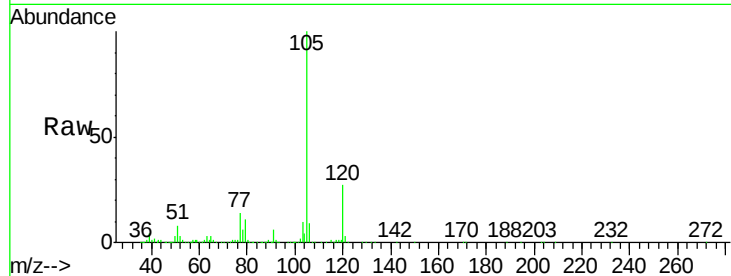
Ion Ratio Lower Upper

105 100

120 27.2 14.1 42.4

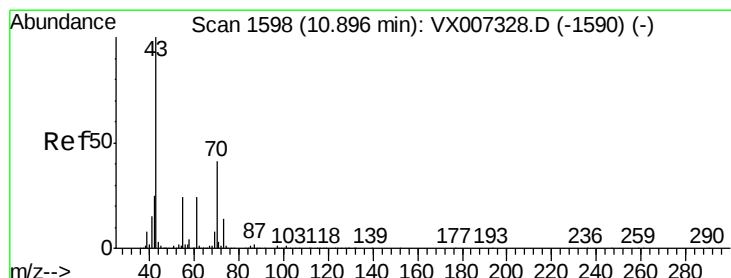
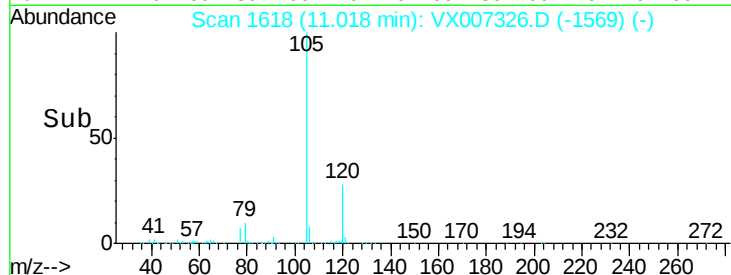
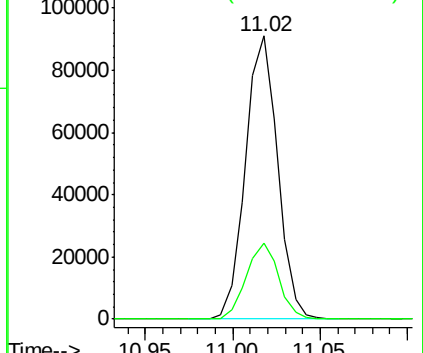
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.609 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion: 43 Resp: 38401

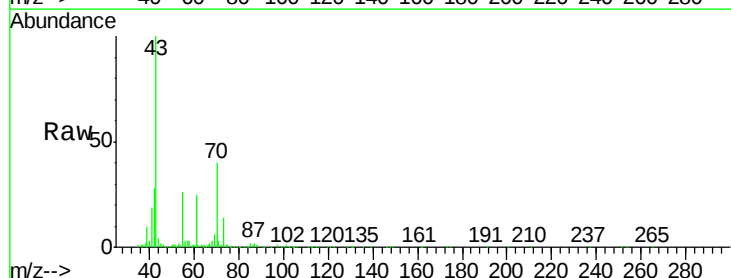
Ion Ratio Lower Upper

43 100

70 43.5 35.8 53.8

55 30.7 19.4 29.0#

61 23.7 20.1 30.1

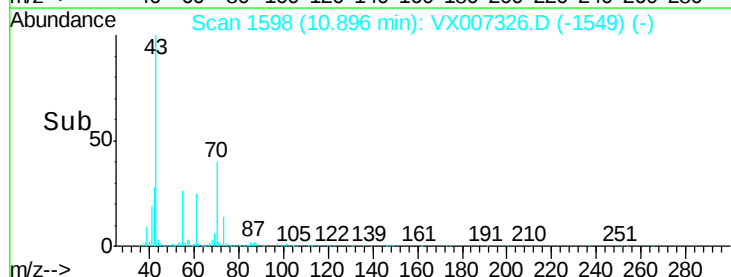
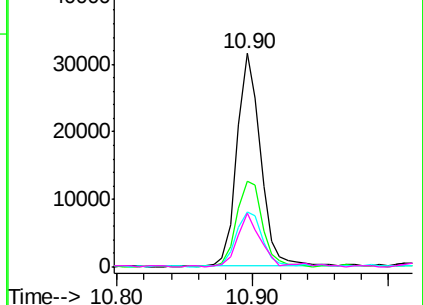


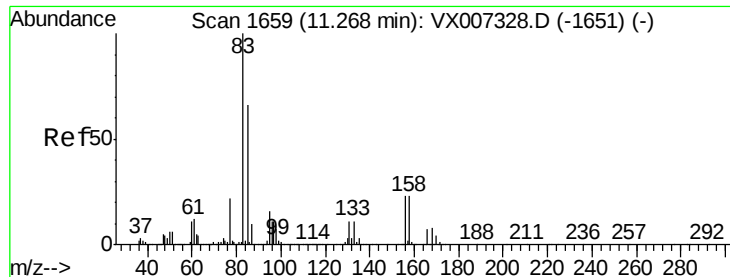
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.122 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

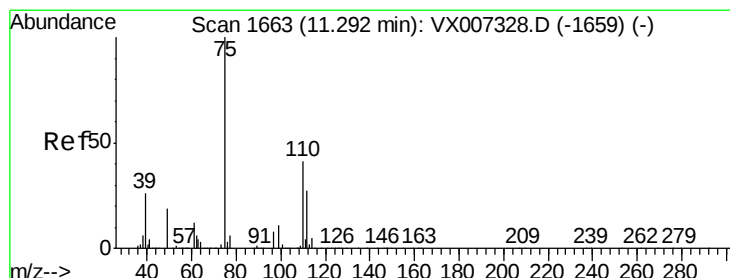
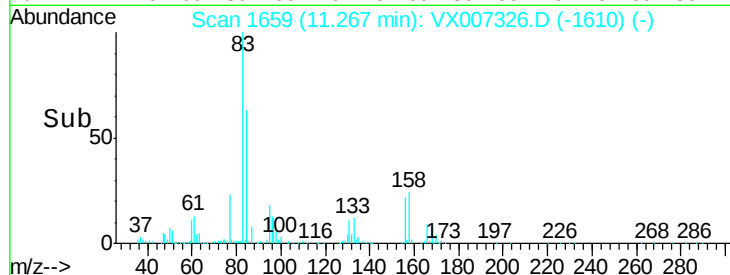
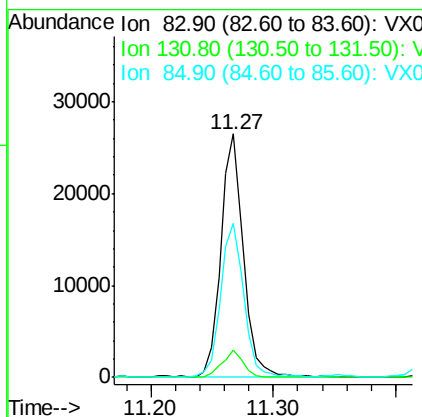
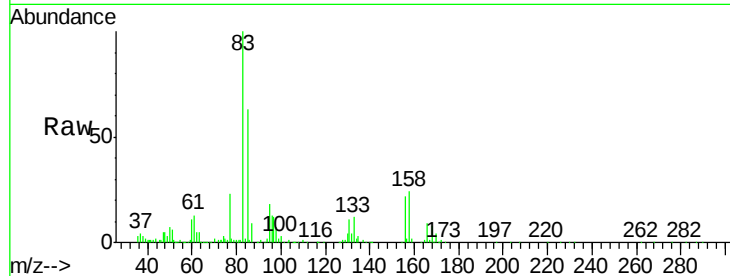
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	33624
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.7	17.1
85	66.6	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.813 ug/l m

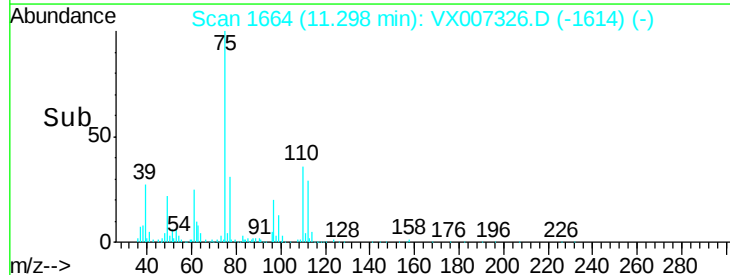
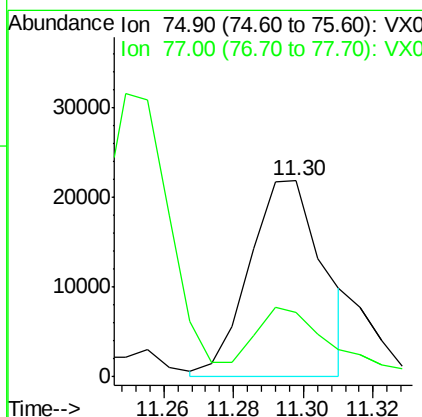
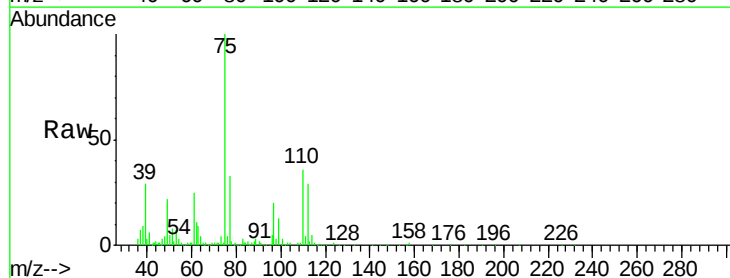
RT: 11.30 min Scan# 1664

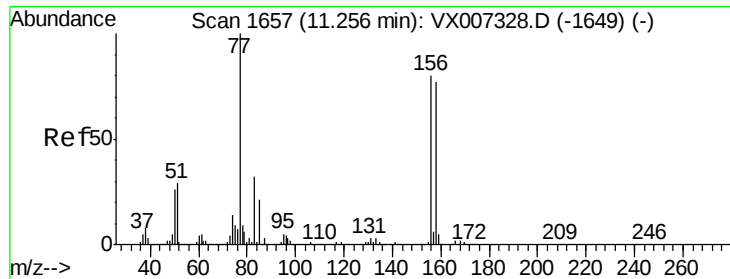
Delta R.T. 0.01 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion:	75	Resp:	32165
Ion Ratio	Lower	Upper	
75	100		
77	37.7	18.5	55.5





#77

Bromobenzene

Concen: 5.352 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 32486

Ion Ratio Lower Upper

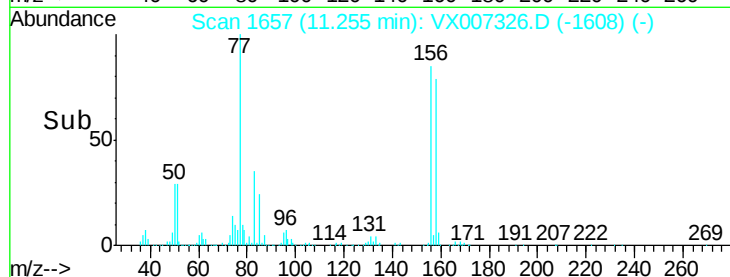
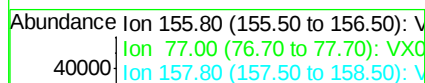
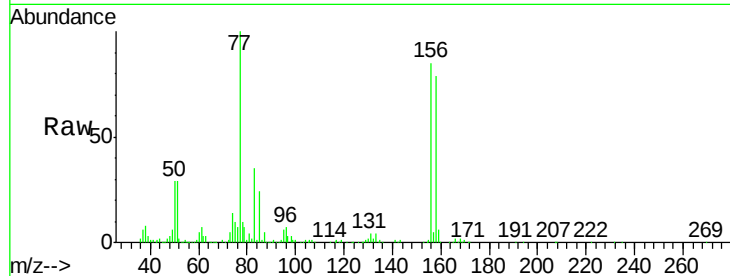
156 100

77 128.7 68.0 204.0

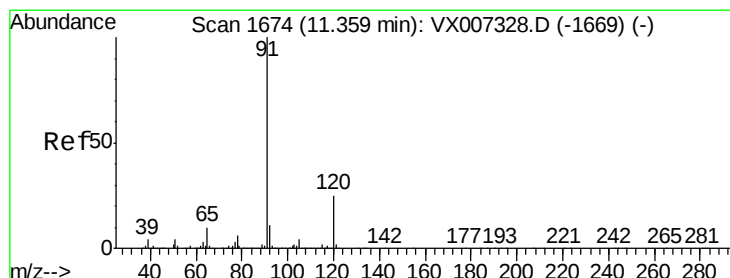
158 96.5 48.3 144.8

Manual Integrations
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2/4/2019 9:37:23 AM



Time-->



#78

n-propylbenzene

Concen: 5.247 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007326.D

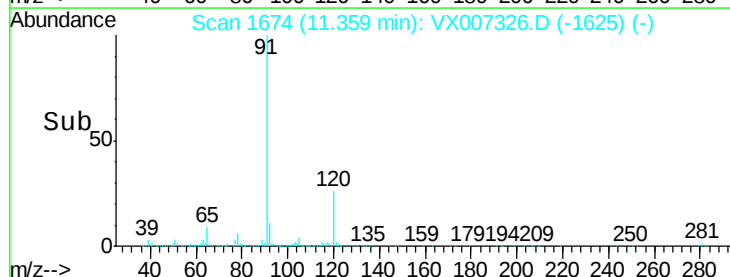
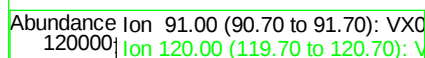
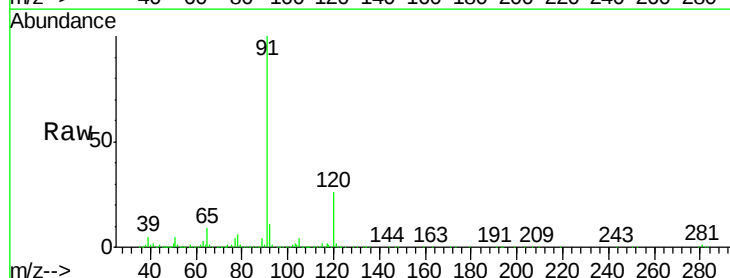
Acq: 01 Feb 2019 10:03

Tgt Ion: 91 Resp: 123945

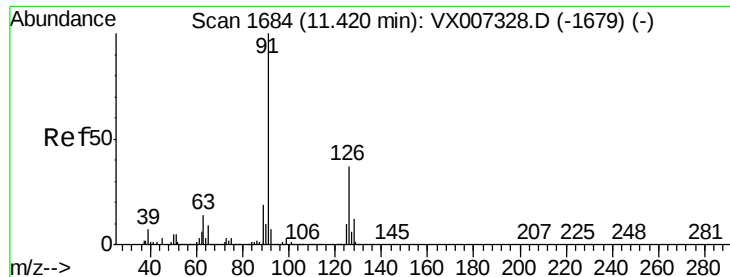
Ion Ratio Lower Upper

91 100

120 25.1 12.7 38.0



Time-->



#79

2-Chlorotoluene

Concen: 5.419 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 77664

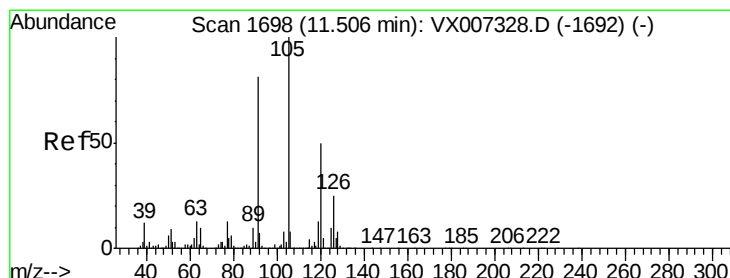
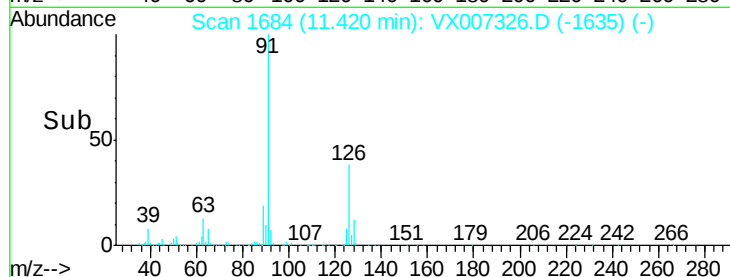
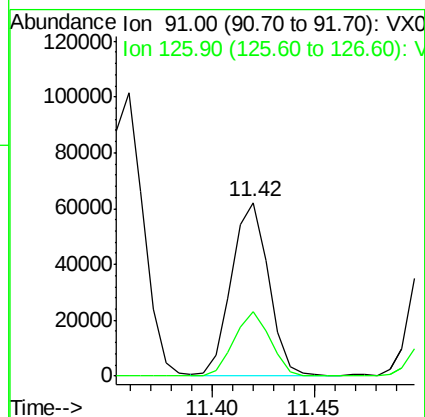
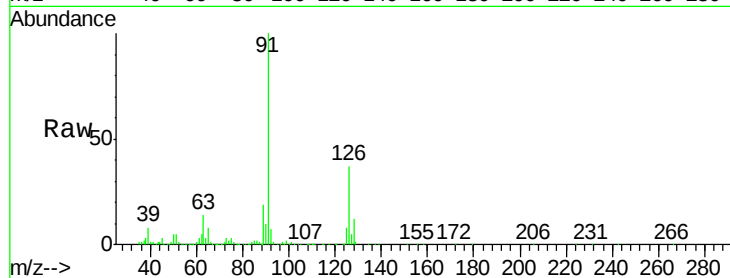
Ion Ratio Lower Upper

91 100

126 37.0 18.6 56.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 5.235 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007326.D

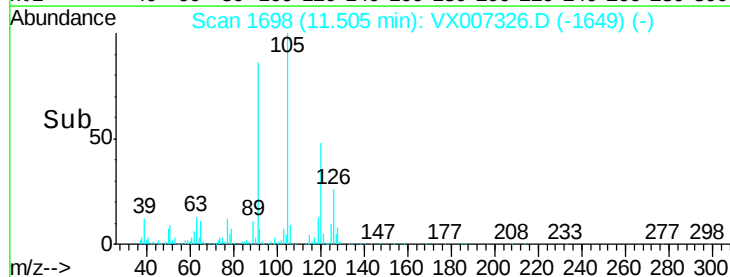
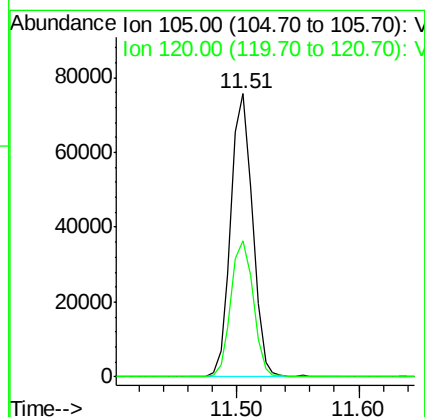
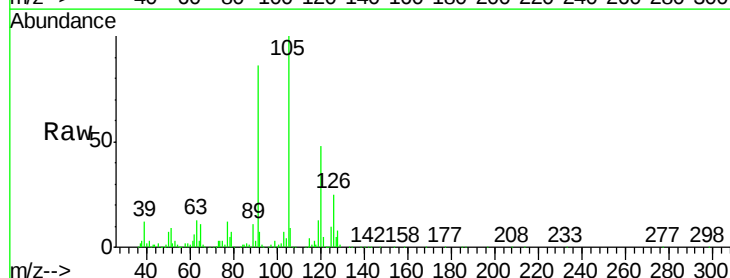
Acq: 01 Feb 2019 10:03

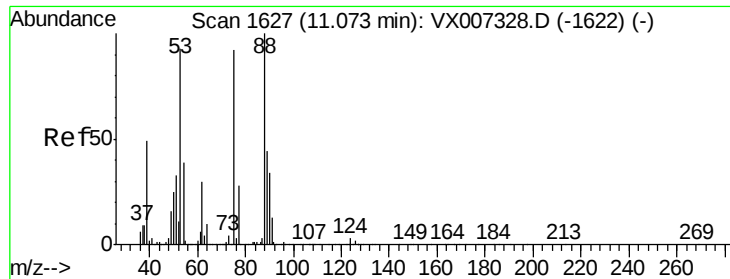
Tgt Ion: 105 Resp: 92263

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 3.915 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

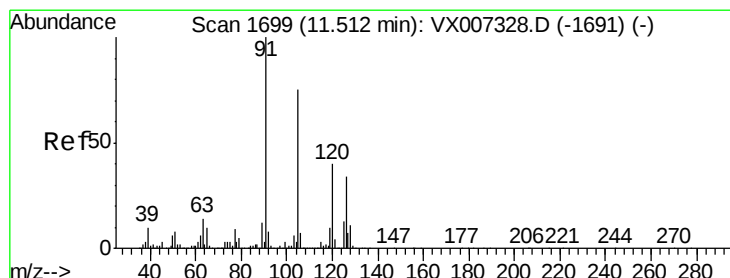
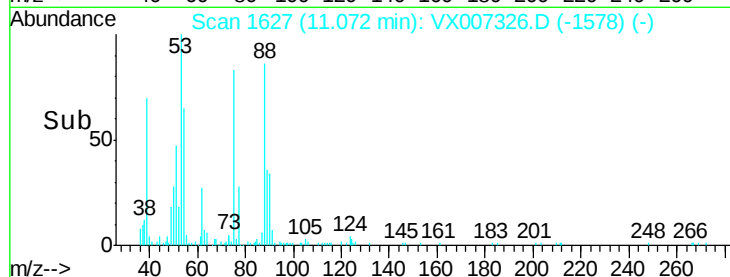
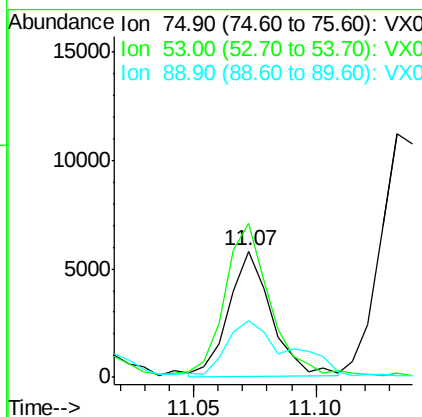
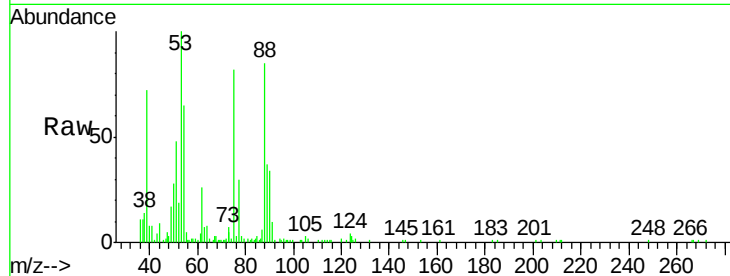
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	128.5	79.7	119.5#
89	69.8	38.0	57.0#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.225 ug/l

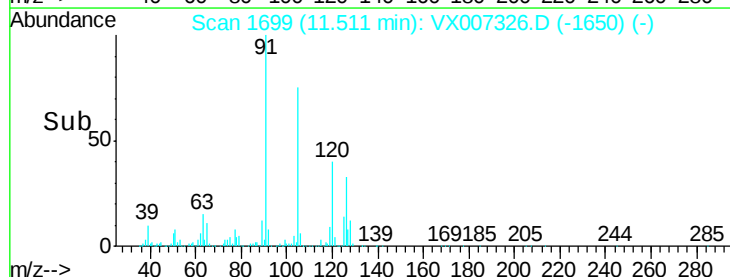
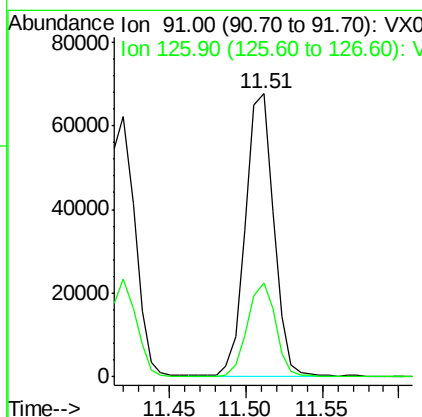
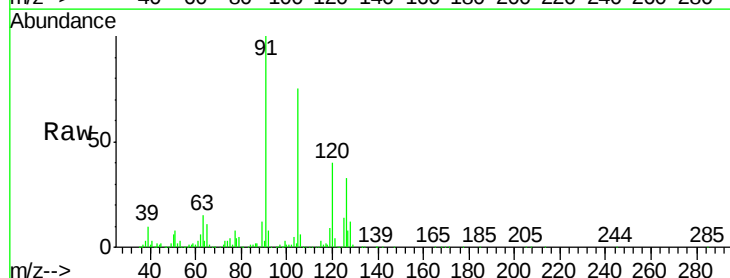
RT: 11.51 min Scan# 1699

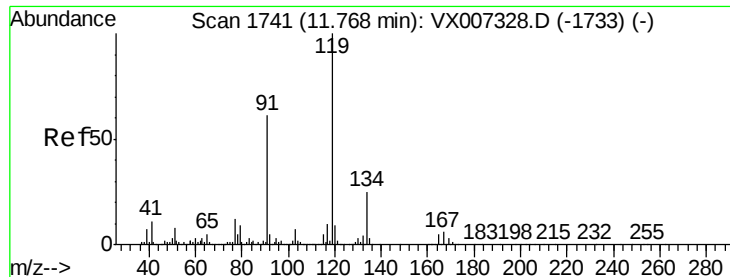
Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.3	48.9





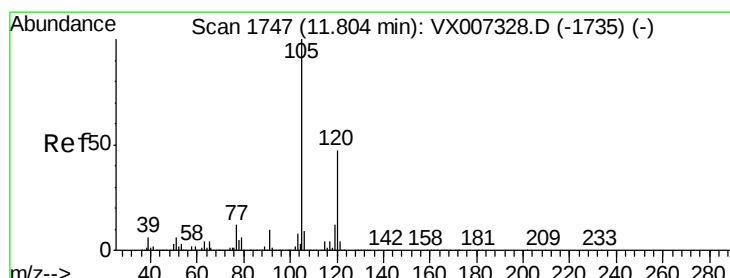
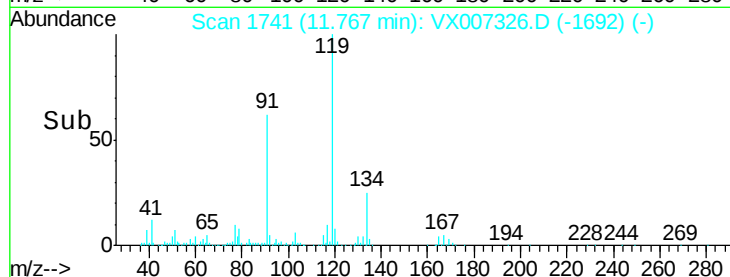
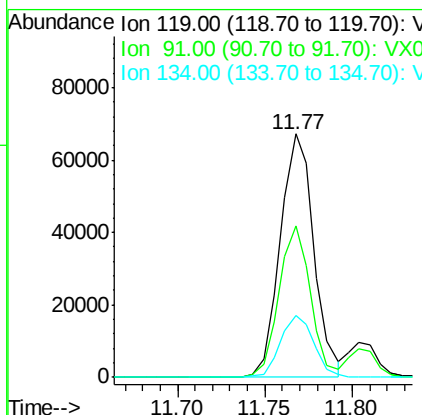
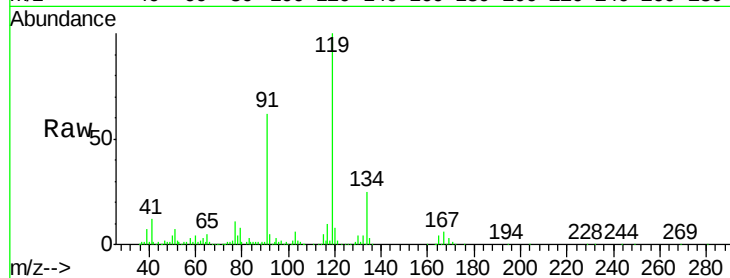
#83
tert-Butylbenzene
Concen: 5.176 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.4	27.7	83.1
134	25.4	11.9	35.5

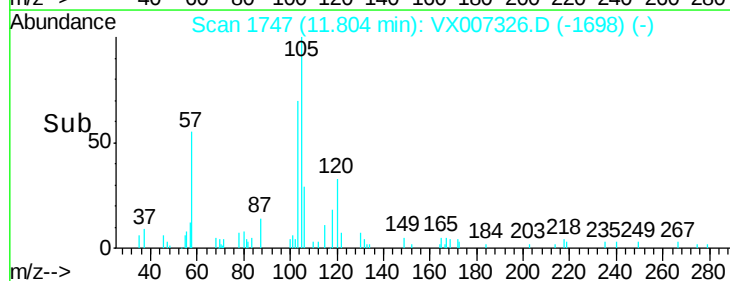
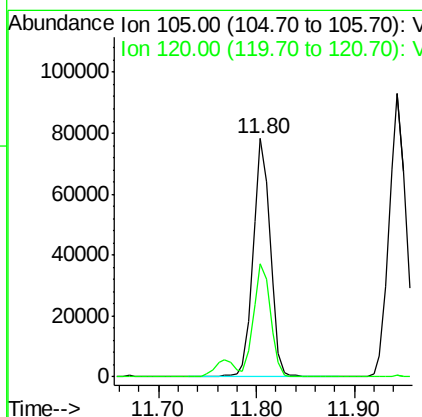
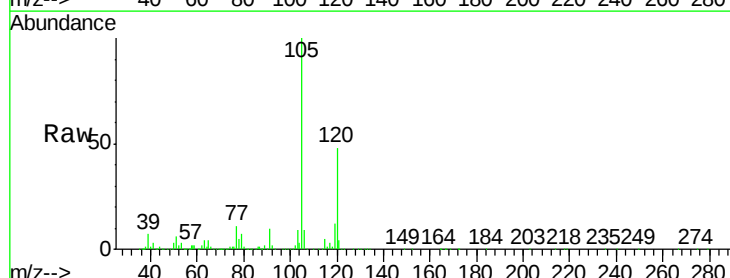
Manual Integrations
APPROVED

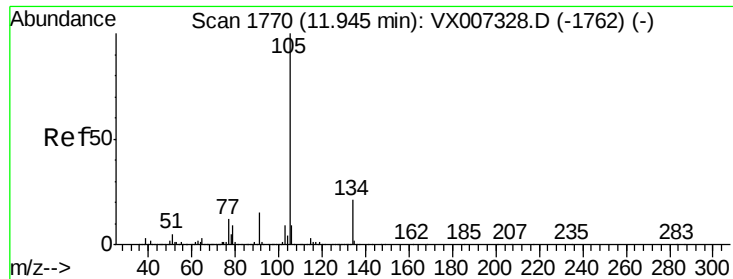
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 5.330 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.2	69.6





#85

sec-Butylbenzene

Concen: 5.302 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 111958

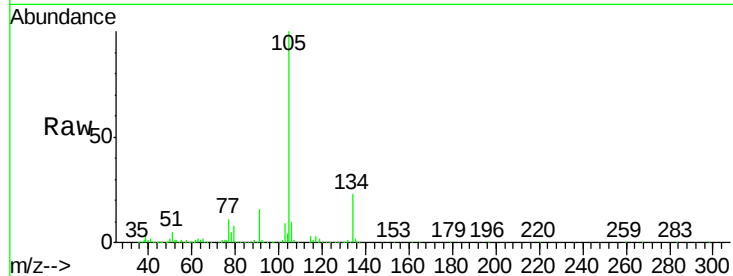
Ion Ratio Lower Upper

105 100

134 22.5 10.7 31.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

80000

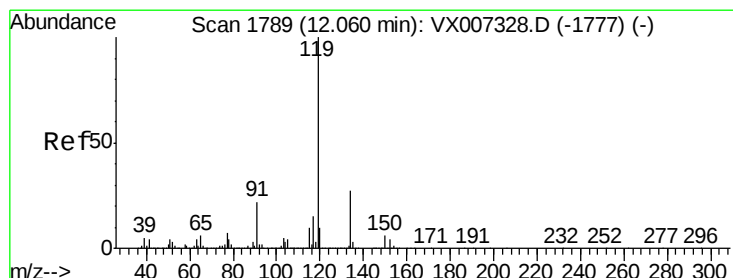
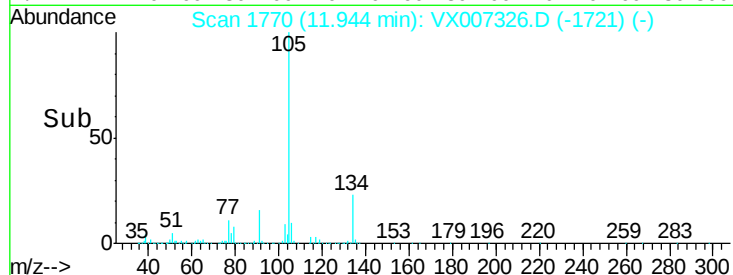
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.175 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

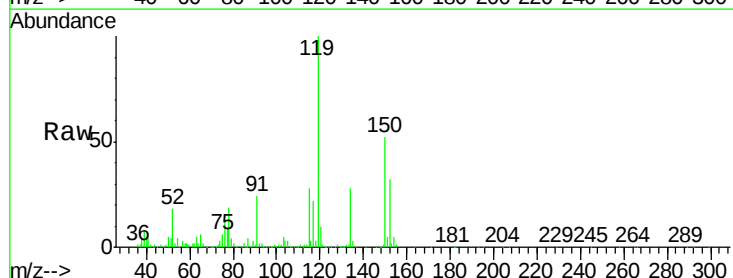
Tgt Ion:119 Resp: 98644

Ion Ratio Lower Upper

119 100

134 28.0 14.0 41.9

91 23.9 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

80000

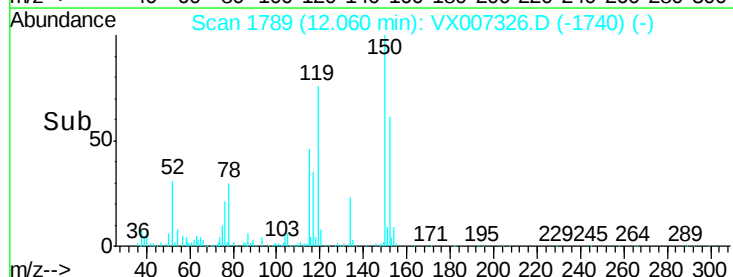
60000

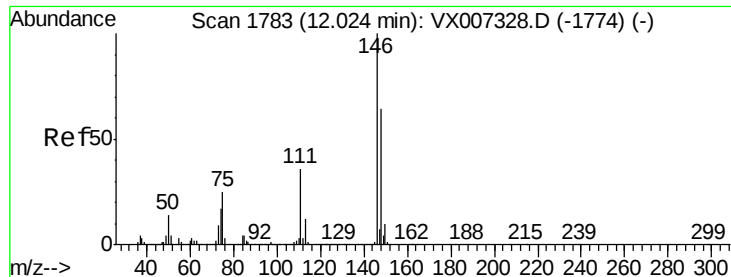
40000

20000

0

Time-->





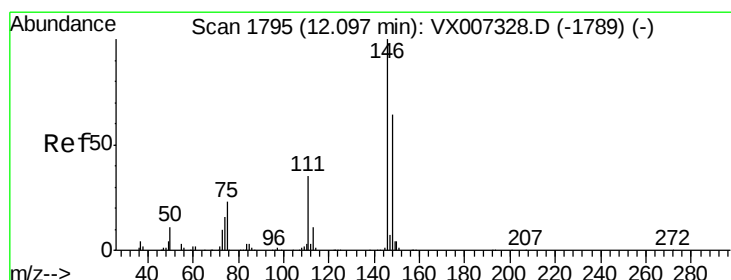
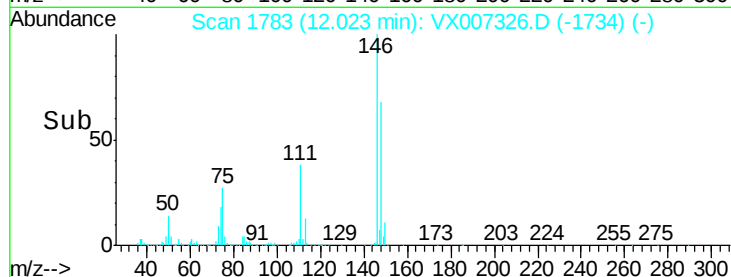
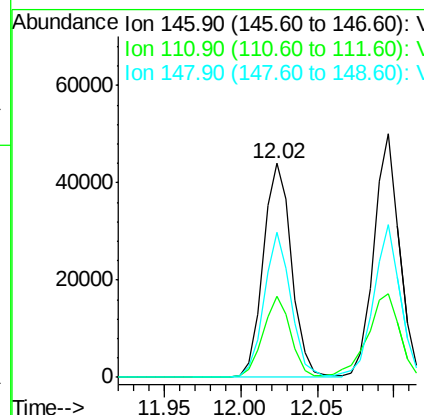
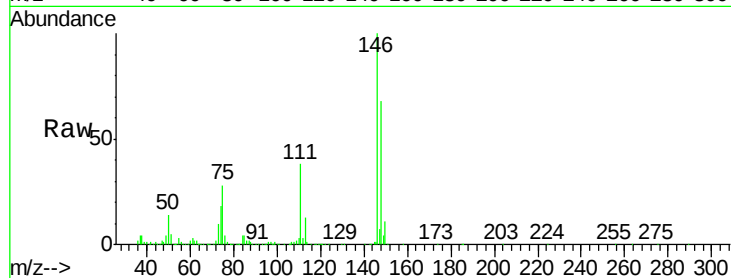
#87
 1,3-Dichlorobenzene
 Concen: 5.239 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007326.D
 Acq: 01 Feb 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.2	31.8	95.3

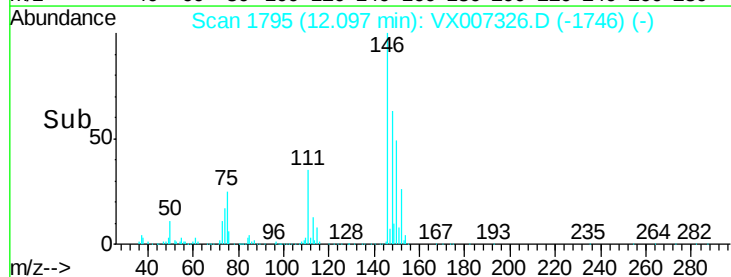
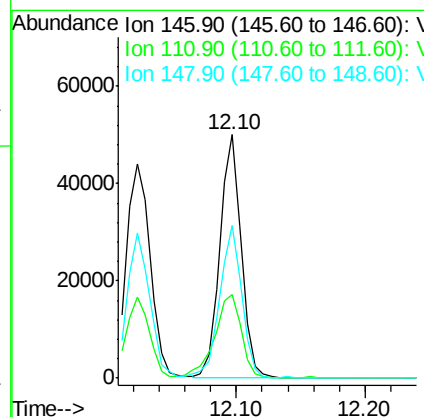
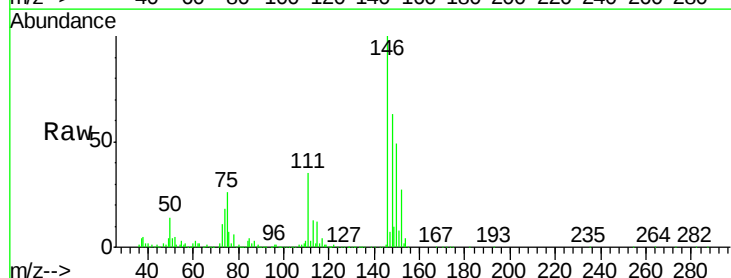
Manual Integrations
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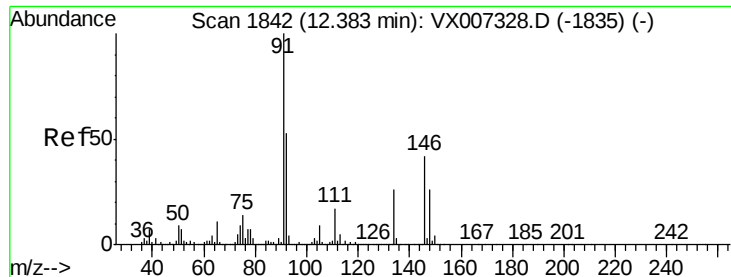
MMDadoda
 2/4/2019 9:37:23 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.347 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007326.D
 Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	18.1	54.1
148	65.0	31.9	95.9





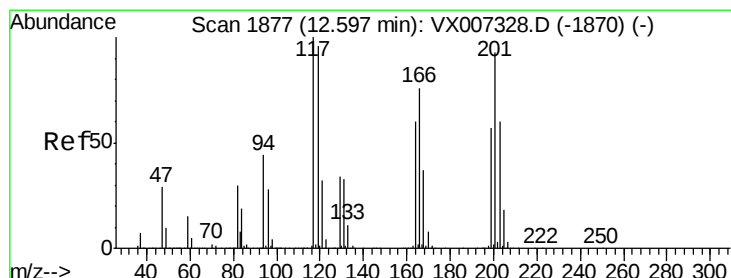
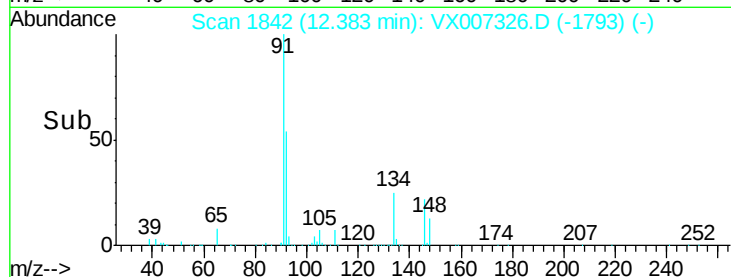
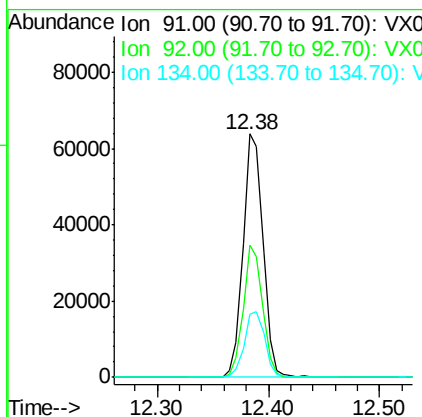
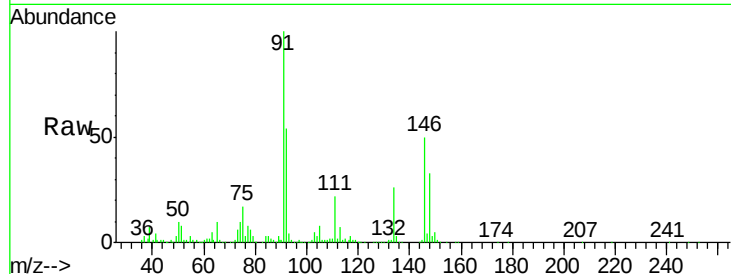
#89
n-Butylbenzene
Concen: 4.855 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.8	80.4
134	27.9	14.4	43.2

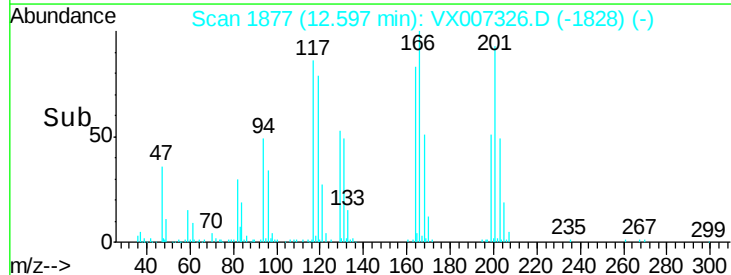
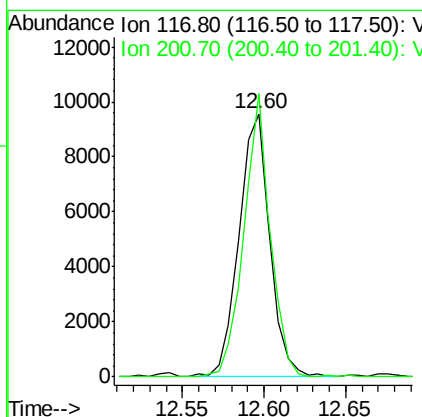
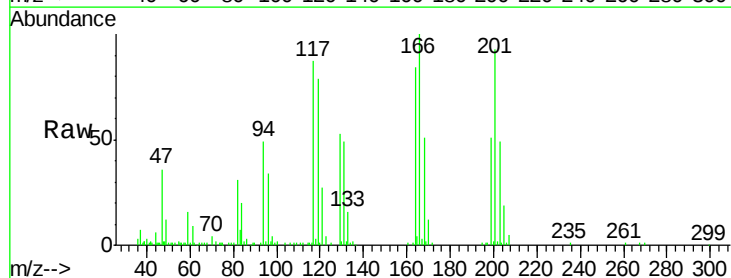
Manual Integrations
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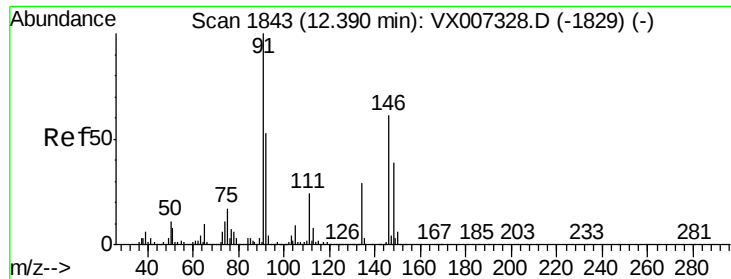
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#90
Hexachloroethane
Concen: 4.416 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007326.D
Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.8	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 5.331 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

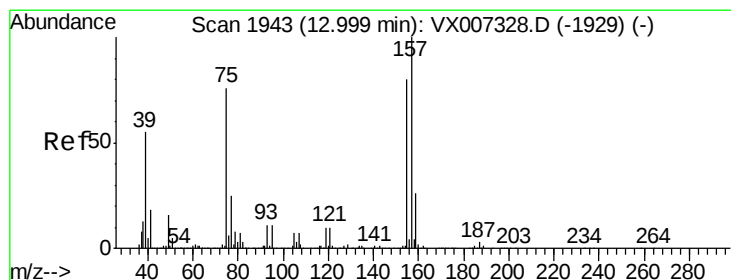
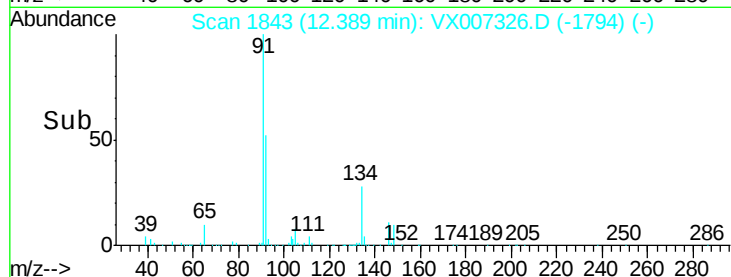
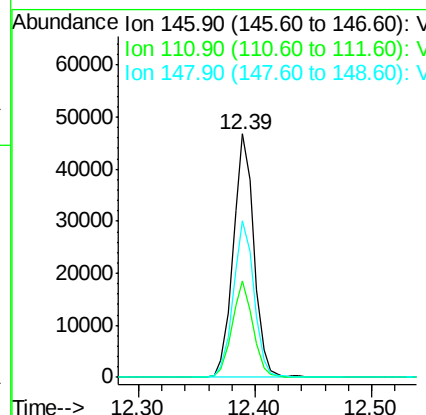
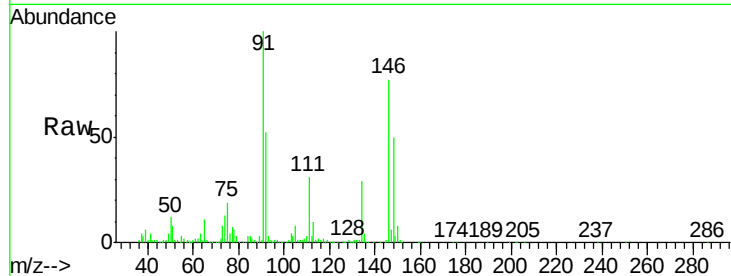
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	57785
Ion Ratio	Lower	Upper	
146	100		
111	39.9	19.4	58.2
148	64.7	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.462 ug/l

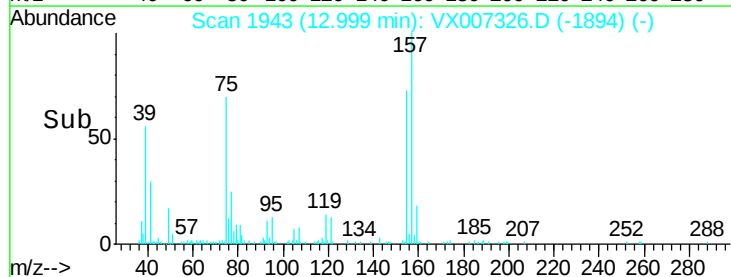
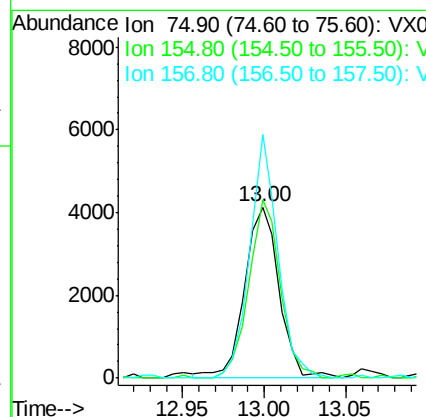
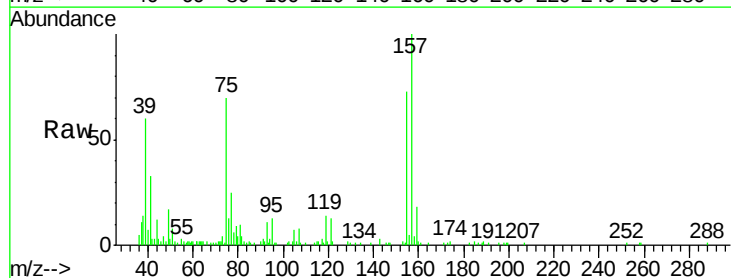
RT: 13.00 min Scan# 1943

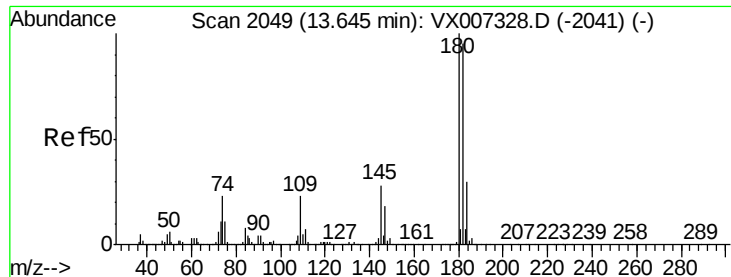
Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion:	75	Resp:	6091
Ion Ratio	Lower	Upper	
75	100		
155	94.9	50.6	151.8
157	116.4	64.6	193.8





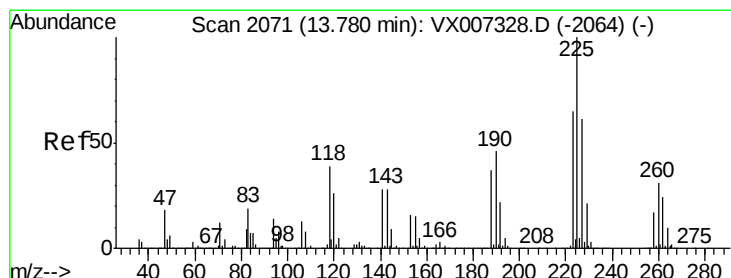
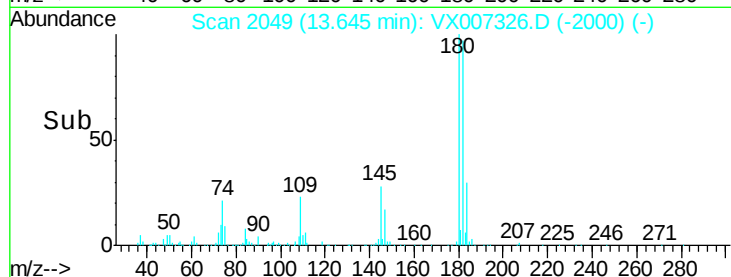
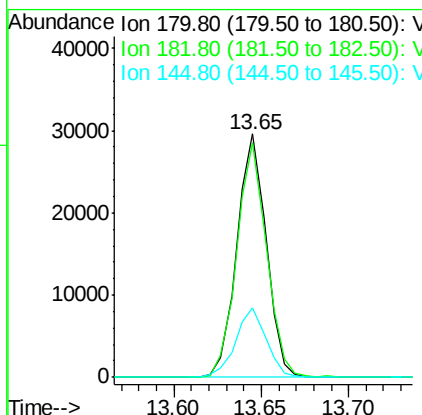
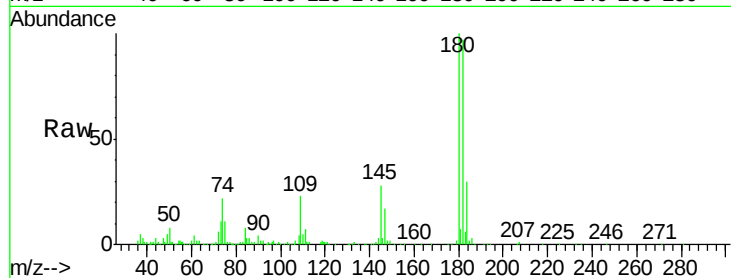
#93
 1,2,4-Trichlorobenzene
 Concen: 4.726 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007326.D
 Acq: 01 Feb 2019 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	34549		
182	98.0	47.3	142.0	
145	29.6	14.8	44.3	

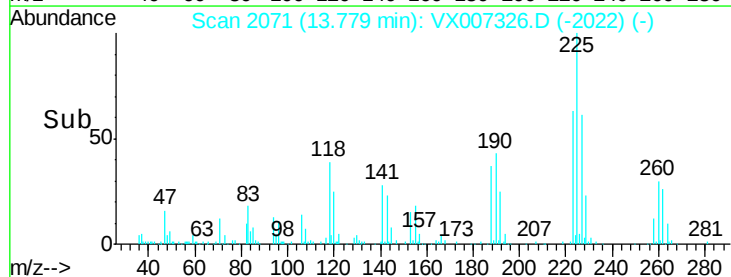
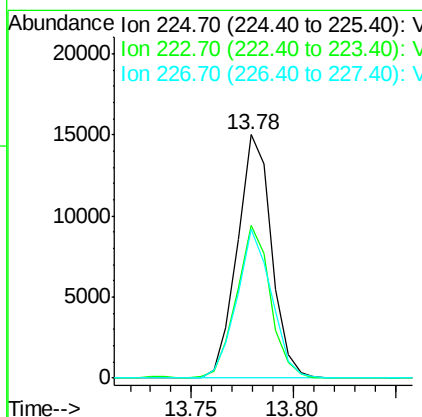
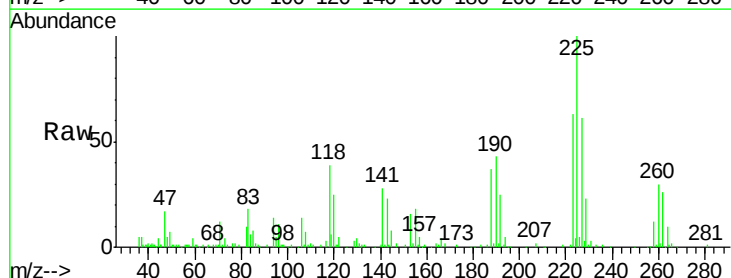
Manual Integrations
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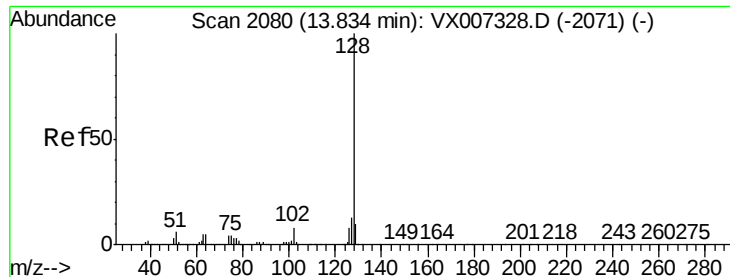
MMDadoda
 2/4/2019 9:37:23 AM



#94
 Hexachlorobutadiene
 Concen: 4.933 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007326.D
 Acq: 01 Feb 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	17511		
223	61.9	32.1	96.3	
227	62.2	32.3	96.8	





#95

Naphthalene

Concen: 4.786 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Instrument :

MSVOA_X

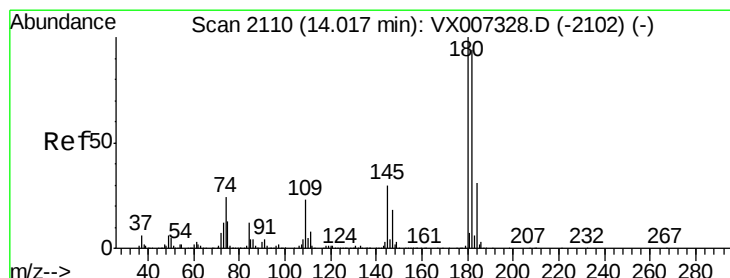
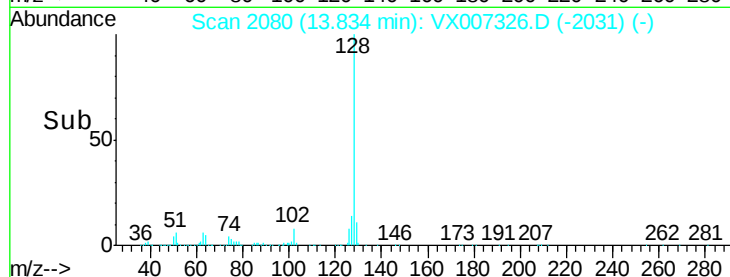
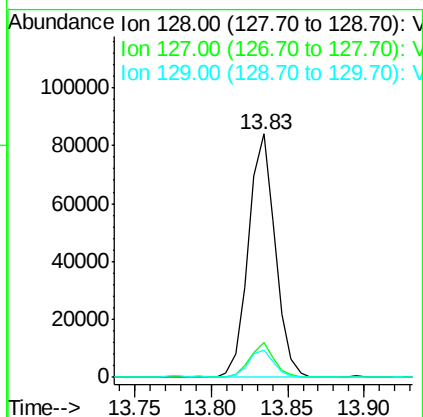
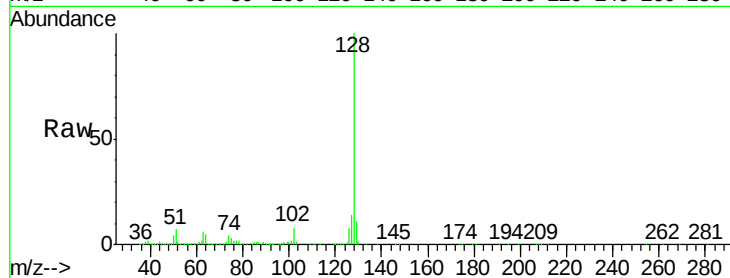
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	102320
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	10.6	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 4.875 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007326.D

Acq: 01 Feb 2019 10:03

Tgt Ion:	180	Resp:	35872
Ion Ratio	Lower	Upper	
180	100		
182	93.5	48.5	145.5
145	32.8	16.0	47.9

