

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021219\
 Data File : VX007485.D
 Acq On : 12 Feb 2019 13:43
 Operator : JC/SP
 Sample : VX0212WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 12:00:40 PM

Quant Time: Feb 13 00:24:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	461662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	661494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	617608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	327240	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	227288	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
35) Dibromofluoromethane	5.50	113	205266	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
50) Toluene-d8	8.71	98	765071	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
62) 4-Bromofluorobenzene	11.13	95	274775	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	104044	18.452	ug/l	98
3) Chloromethane	1.33	50	91275	17.553	ug/l	97
4) Vinyl Chloride	1.41	62	97621	19.136	ug/l	96
5) Bromomethane	1.64	94	70880	13.696	ug/l	100
6) Chloroethane	1.73	64	62552	18.955	ug/l	96
7) Trichlorofluoromethane	1.93	101	152461	19.105	ug/l	98
8) Diethyl Ether	2.19	74	55223	18.385	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	89999	18.960	ug/l	97
10) Methyl Iodide	2.51	142	85020	12.175	ug/l	97
11) Tert butyl alcohol	3.06	59	104507	103.055	ug/l	99
12) 1,1-Dichloroethene	2.38	96	81485	18.486	ug/l	99
13) Acrolein	2.29	56	42283	88.917	ug/l	98
14) Allyl chloride	2.73	41	138145	19.234	ug/l	98
15) Acrylonitrile	3.15	53	242540	96.681	ug/l	100
16) Acetone	2.45	43	240335	107.071	ug/l	97
17) Carbon Disulfide	2.57	76	199204	18.670	ug/l	99
18) Methyl Acetate	2.78	43	129880	22.537	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	267067	18.702	ug/l	100
20) Methylene Chloride	2.86	84	89809	19.347	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	85116	18.127	ug/l	98
22) Diisopropyl ether	3.87	45	257183	19.467	ug/l	98
23) Vinyl Acetate	3.82	43	1063927	97.048	ug/l	99
24) 1,1-Dichloroethane	3.70	63	147316	19.417	ug/l	98
25) 2-Butanone	4.70	43	330971	103.610	ug/l	99
26) 2,2-Dichloropropane	4.59	77	111158	19.239	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	94890	18.502	ug/l	99
28) Bromochloromethane	5.02	49	70050	20.078	ug/l	99
29) Tetrahydrofuran	5.15	42	206429	102.749	ug/l	99
30) Chloroform	5.21	83	155350	19.623	ug/l	97
31) Cyclohexane	5.58	56	126047	18.498	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	131861	19.732	ug/l	99
36) 1,1-Dichloropropene	5.80	75	111584	18.800	ug/l	99
37) Ethyl Acetate	4.85	43	114440	19.074	ug/l	97
38) Carbon Tetrachloride	5.79	117	116652	20.259	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
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Manual Integrations
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MMDadoda
 2/13/2019 12:00:40 PM

Quant Time: Feb 13 00:24:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	138110	19.233	ug/l	97
40) Benzene	6.14	78	336271	19.234	ug/l	99
41) Methacrylonitrile	5.06	41	65456	20.356	ug/l	99
42) 1,2-Dichloroethane	6.20	62	116351	19.234	ug/l	99
43) Isopropyl Acetate	6.46	43	183319	19.795	ug/l	99
44) Trichloroethene	7.21	130	100918	19.166	ug/l	100
45) 1,2-Dichloropropane	7.52	63	85158	19.440	ug/l	93
46) Dibromomethane	7.66	93	60697	19.065	ug/l	98
47) Bromodichloromethane	7.90	83	109593	20.311	ug/l	99
48) Methyl methacrylate	7.77	41	93119	20.103	ug/l	98
49) 1,4-Dioxane	7.75	88	44770	428.945	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	632208	103.703	ug/l	99
52) Toluene	8.78	92	219388	19.449	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	114804	19.808	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	127028	19.930	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	91764	19.516	ug/l	98
56) Ethyl methacrylate	9.18	69	131947	20.261	ug/l	95
57) 1,3-Dichloropropane	9.37	76	145274	19.428	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	338701	98.674	ug/l	99
59) 2-Hexanone	9.49	43	495112	104.366	ug/l	100
60) Dibromochloromethane	9.58	129	94151	21.172	ug/l	97
61) 1,2-Dibromoethane	9.67	107	98733	19.828	ug/l	100
64) Tetrachloroethene	9.33	164	104074	17.879	ug/l	98
65) Chlorobenzene	10.13	112	256749	19.050	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	91707	20.296	ug/l	98
67) Ethyl Benzene	10.25	91	417340	19.229	ug/l	99
68) m/p-Xylenes	10.36	106	332070	38.490	ug/l	100
69) o-Xylene	10.69	106	160390	19.320	ug/l	98
70) Styrene	10.71	104	262681	19.510	ug/l	99
71) Bromoform	10.86	173	69051	20.049	ug/l	100
73) Isopropylbenzene	11.02	105	441182	19.839	ug/l	99
74) N-amyl acetate	10.90	43	168161	19.551	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	139497	20.583	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	131194m	20.611	ug/l	
77) Bromobenzene	11.26	156	118740	18.951	ug/l	99
78) n-propylbenzene	11.36	91	492640	20.203	ug/l	99
79) 2-Chlorotoluene	11.42	91	289862	19.590	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	359215	19.745	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	36556	20.479	ug/l	97
82) 4-Chlorotoluene	11.51	91	328460	19.185	ug/l	98
83) tert-Butylbenzene	11.77	119	355430	19.733	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	370729	20.072	ug/l	99
85) sec-Butylbenzene	11.94	105	437719	20.078	ug/l	100
86) p-Isopropyltoluene	12.06	119	388749	19.754	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	216819	19.282	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	213343	18.701	ug/l	98
89) n-Butylbenzene	12.39	91	332058	19.615	ug/l	99
90) Hexachloroethane	12.60	117	61098	20.744	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	214603	19.177	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28883	20.496	ug/l	97

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

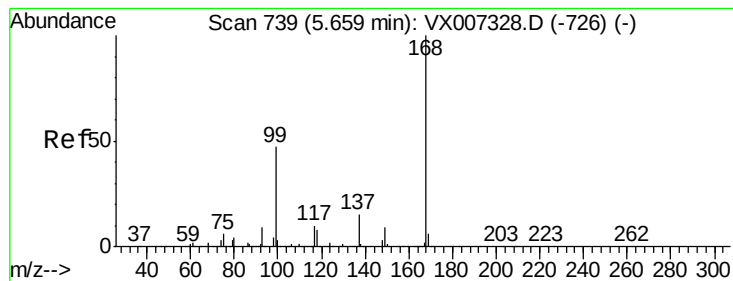
Manual Integrations
APPROVED

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2/13/2019 12:00:40 PM

Quant Time: Feb 13 00:24:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	143107	18.963	ug/l	98
94) Hexachlorobutadiene	13.78	225	69341	18.922	ug/l	99
95) Naphthalene	13.83	128	431836	19.567	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	143716	18.919	ug/l	98

(#) = 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: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion:168 Resp: 461662

Ion Ratio Lower Upper

168 100

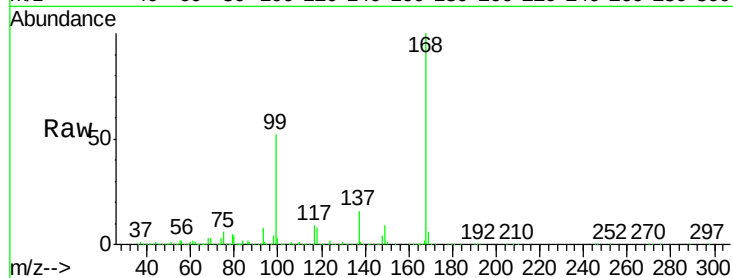
99 51.5 37.9 56.9

Manual Integrations

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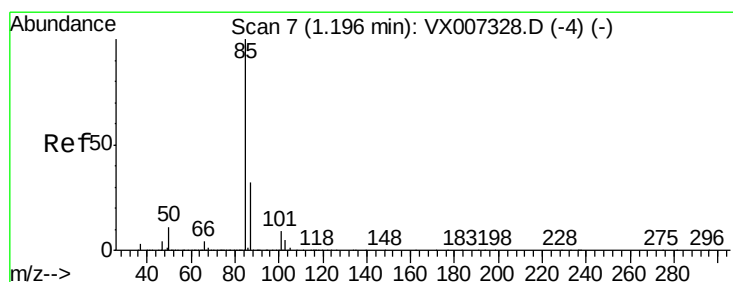
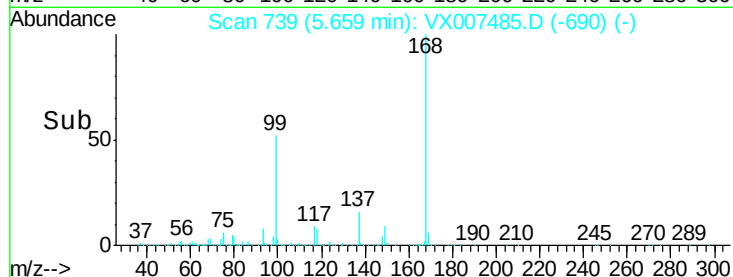
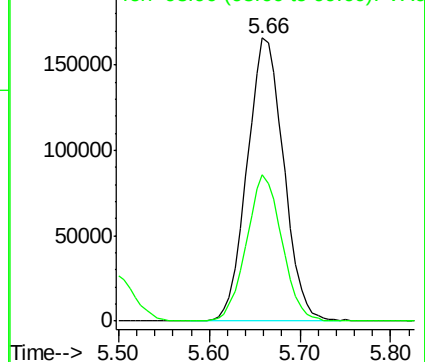
MMDadoda

2/13/2019 12:00:40 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.452 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007485.D

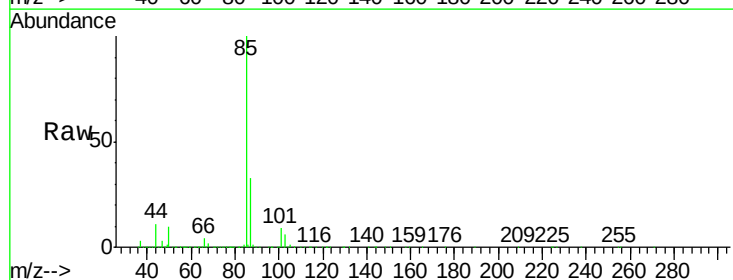
Acq: 12 Feb 2019 13:43

Tgt Ion: 85 Resp: 104044

Ion Ratio Lower Upper

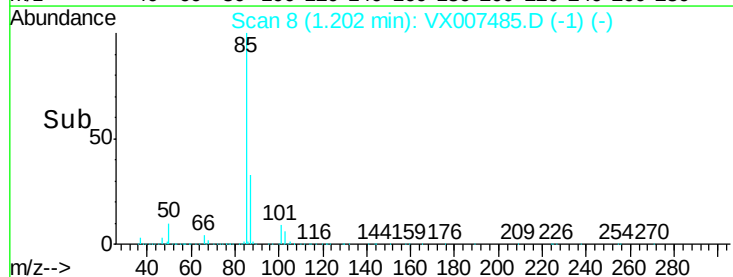
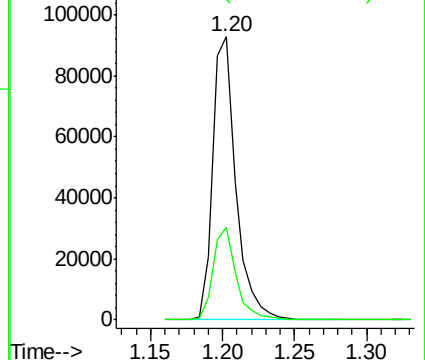
85 100

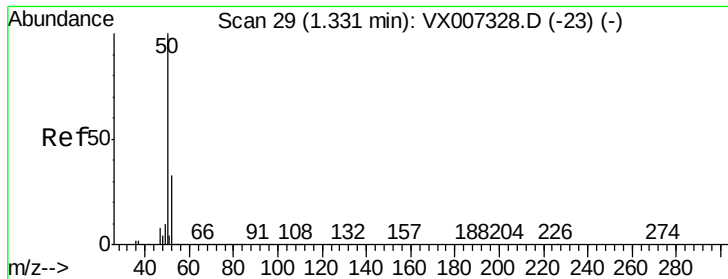
87 32.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.553 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampled :

VX0212WBS01

Tot Ion: 50 Resp: 91275

Ion Ratio Lower Upper

50 100

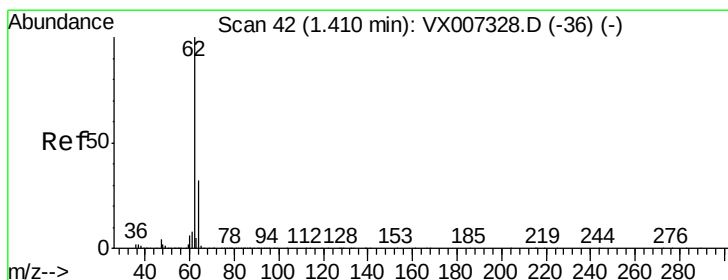
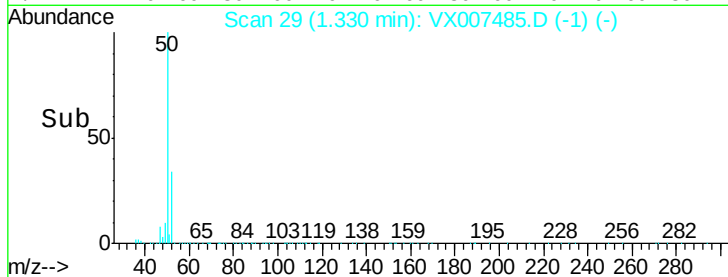
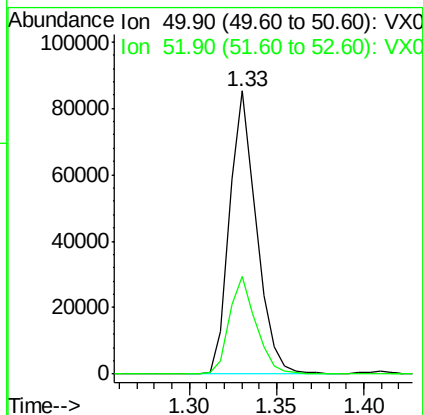
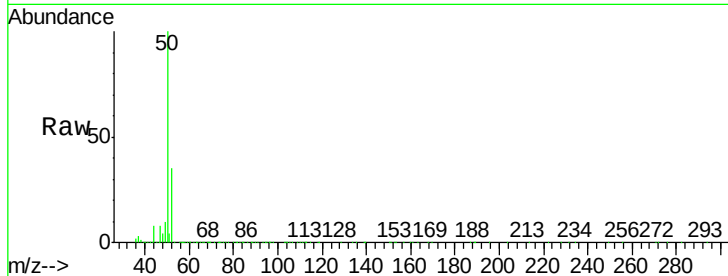
52 34.5 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.136 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007485.D

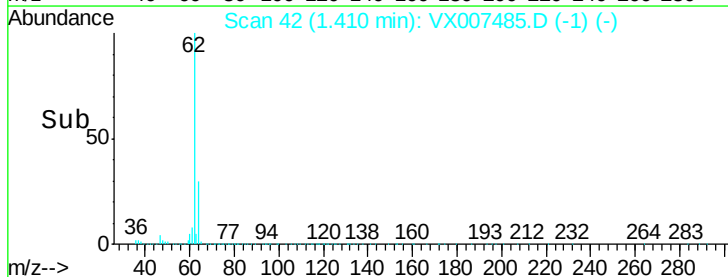
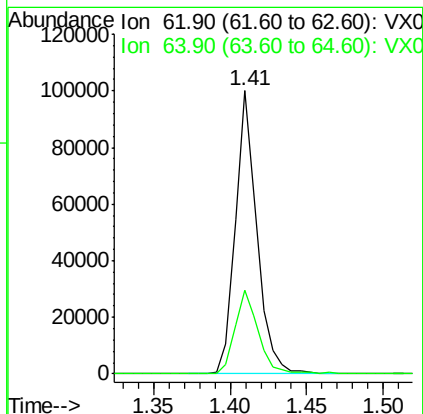
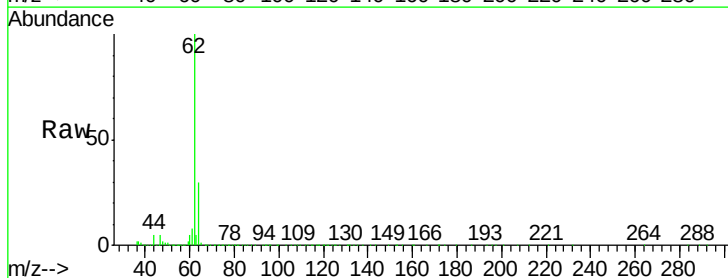
Acq: 12 Feb 2019 13:43

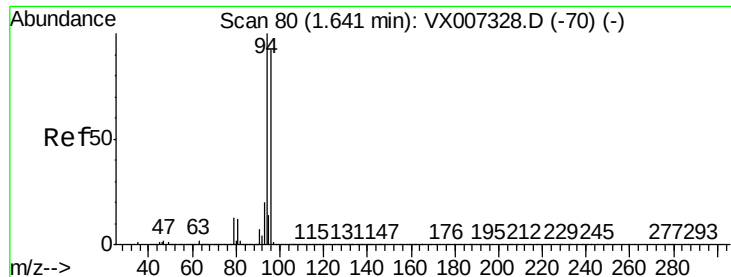
Tgt Ion: 62 Resp: 97621

Ion Ratio Lower Upper

62 100

64 29.5 25.4 38.0





#5

Bromomethane

Concen: 13.696 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 94 Resp: 70880

Ion Ratio Lower Upper

94 100

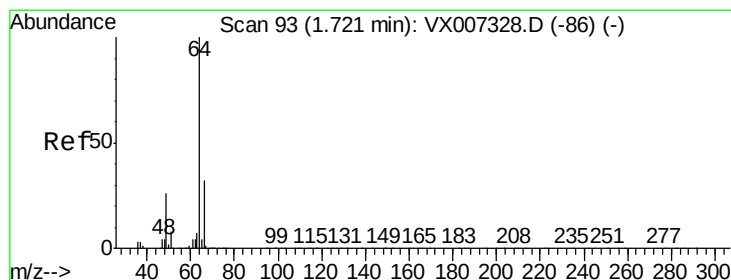
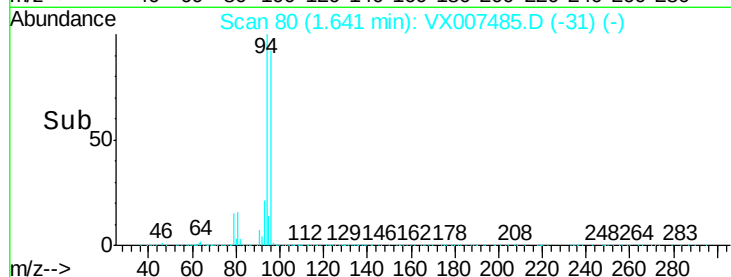
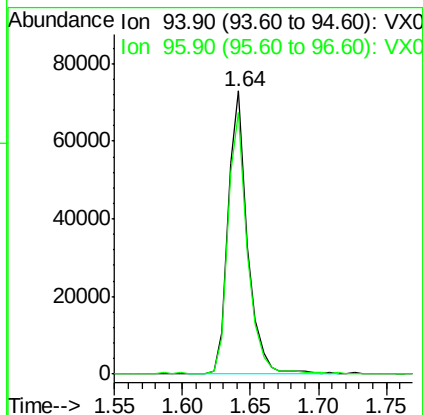
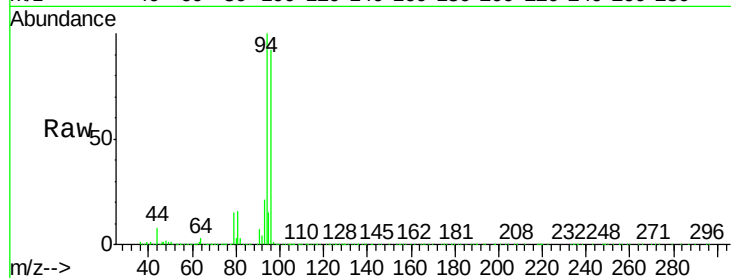
96 92.4 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 18.955 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007485.D

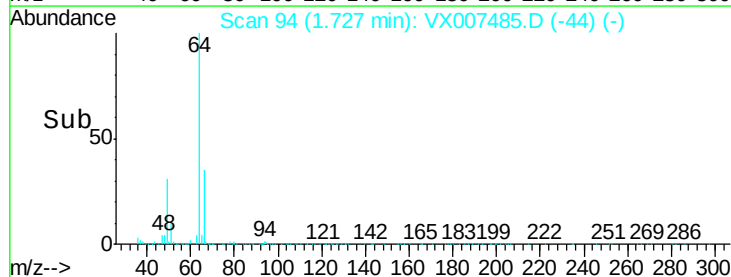
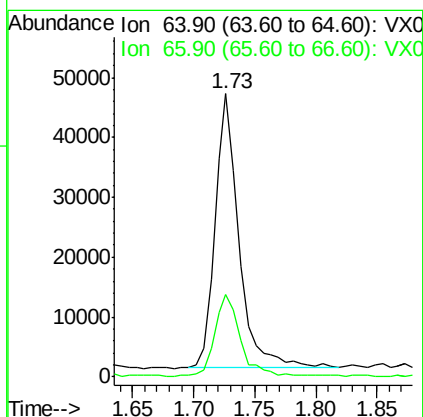
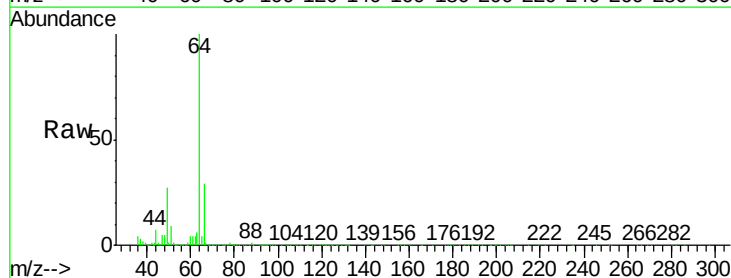
Acq: 12 Feb 2019 13:43

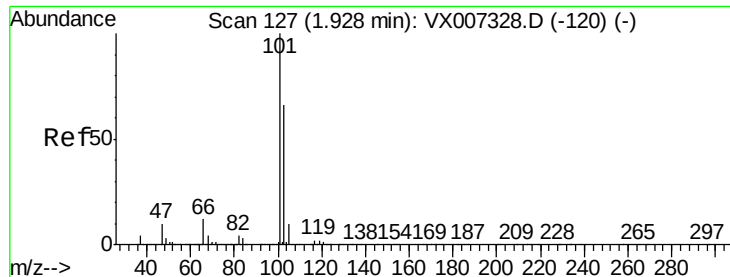
Tgt Ion: 64 Resp: 62552

Ion Ratio Lower Upper

64 100

66 29.5 25.5 38.3





#7

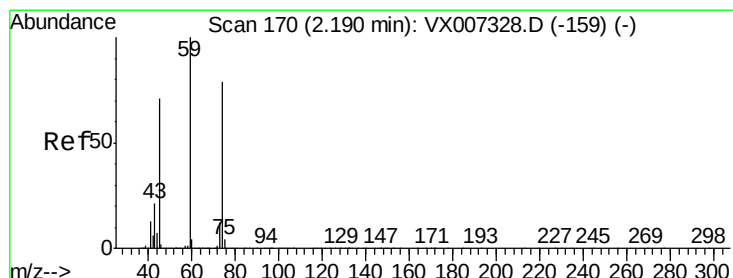
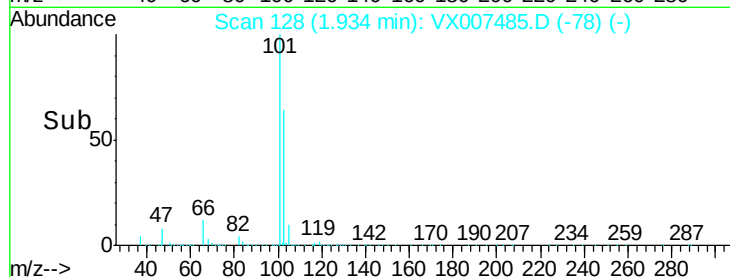
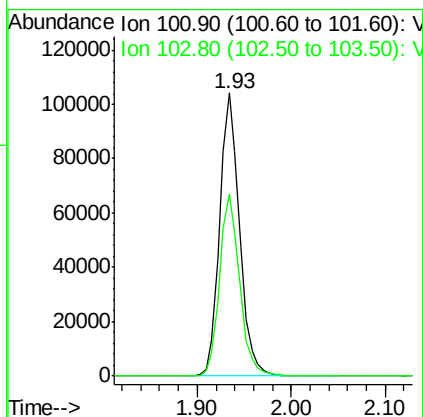
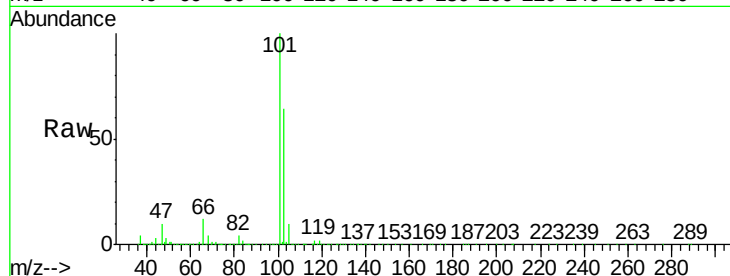
Trichlorofluoromethane
Concen: 19.105 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		152461		
103	64.4		52.6		79.0

Manual Integrations
APPROVED

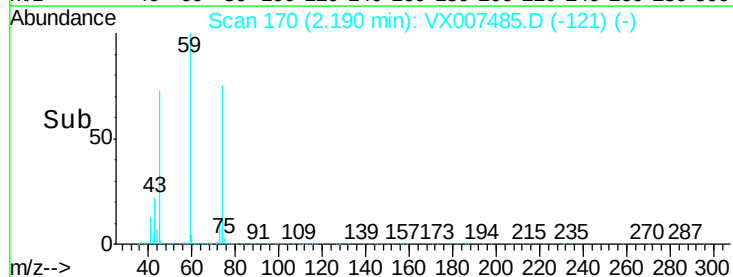
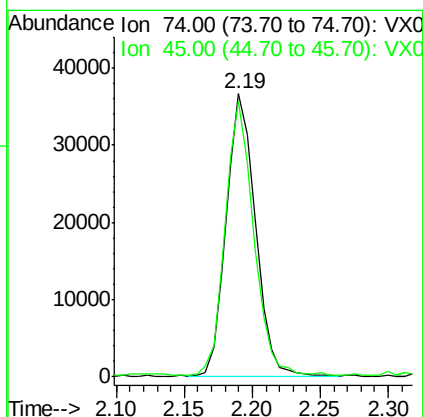
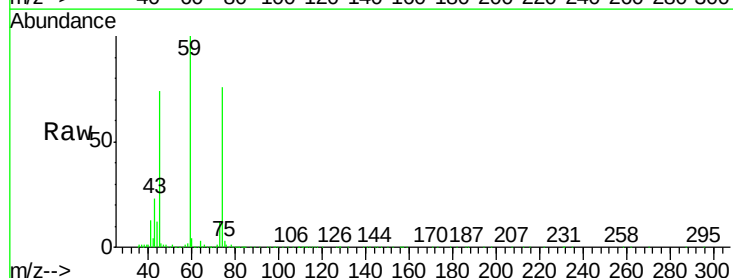
MMDadoda
2/13/2019 12:00:40 PM

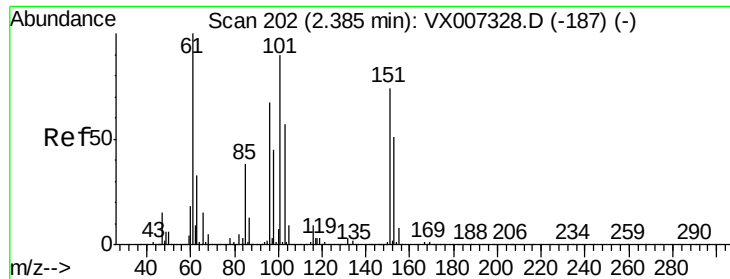


#8

Diethyl Ether
Concen: 18.385 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		55223		
45	93.7		45.7		137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.960 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

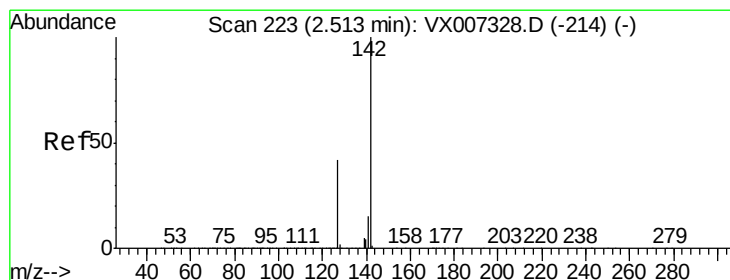
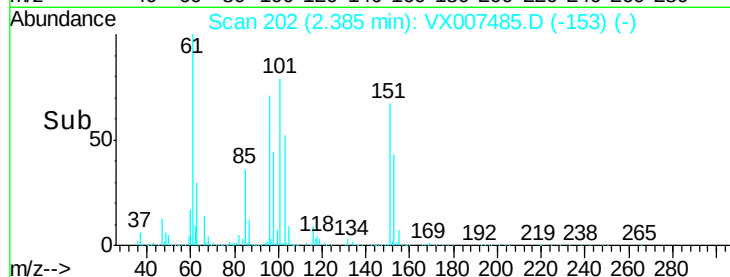
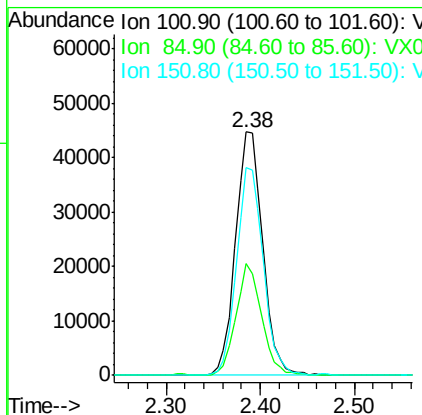
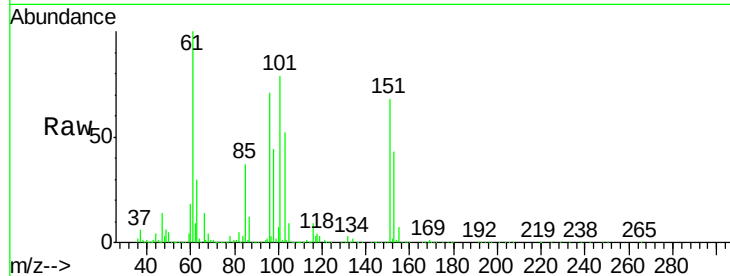
ClientSampleId :

VX0212WBS01

Tot Ion:	101	Resp:	89999
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.1	51.1
151	83.9	69.9	104.9

Manual Integrations
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MMDadoda
2/13/2019 12:00:40 PM



#10

Methyl Iodide

Concen: 12.175 ug/l

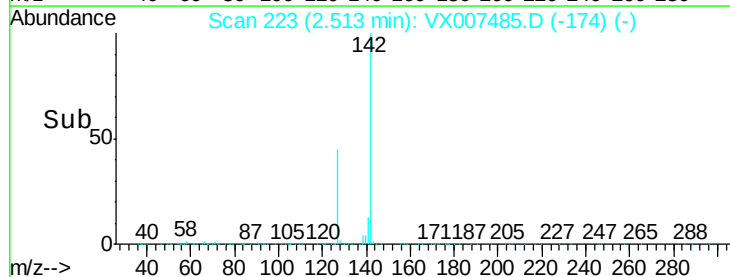
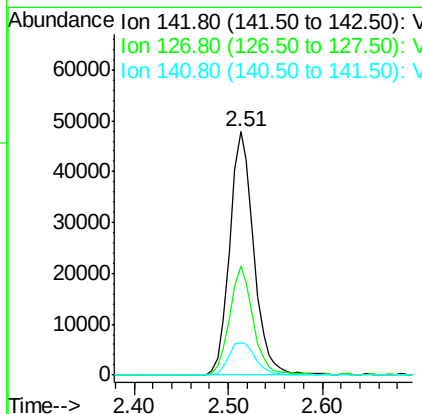
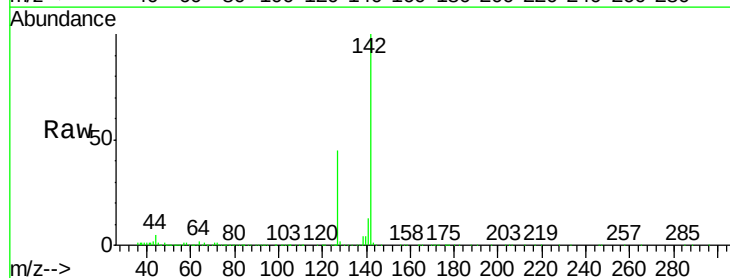
RT: 2.51 min Scan# 223

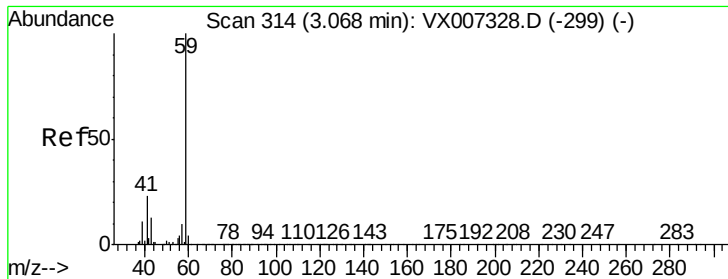
Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Tgt Ion:	142	Resp:	85020
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.7	50.5
141	15.2	11.3	16.9





#11

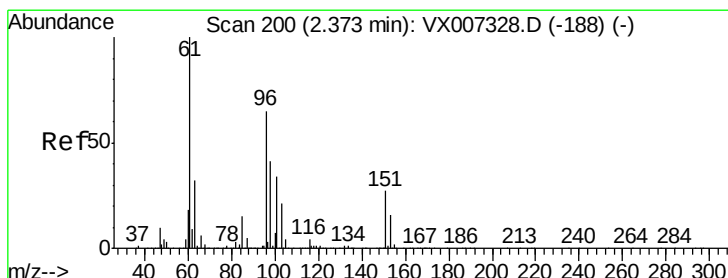
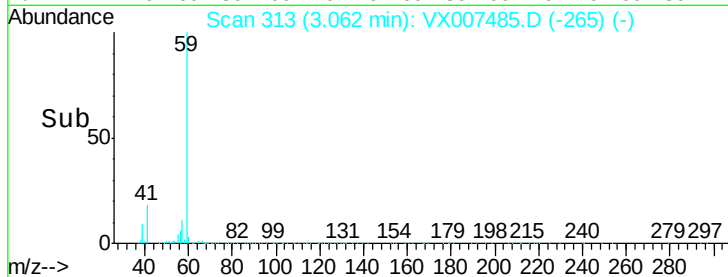
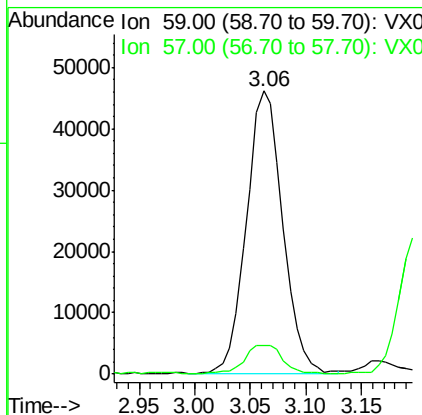
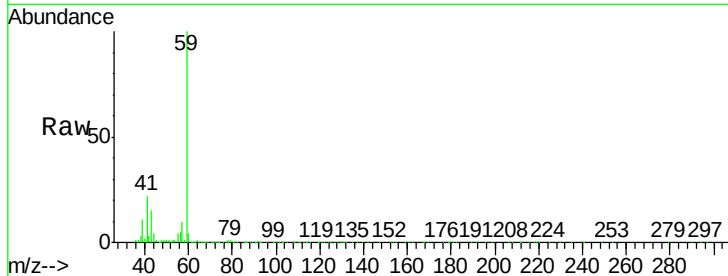
Tert butyl alcohol
Concen: 103.055 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.1	12.1

Manual Integrations
APPROVED

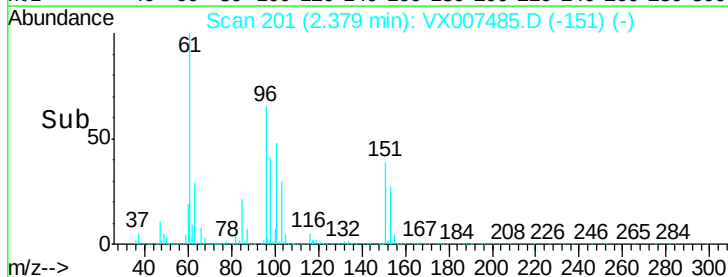
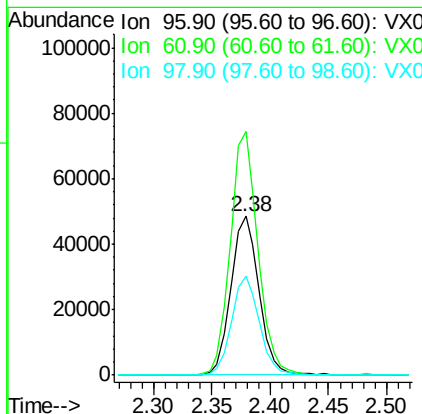
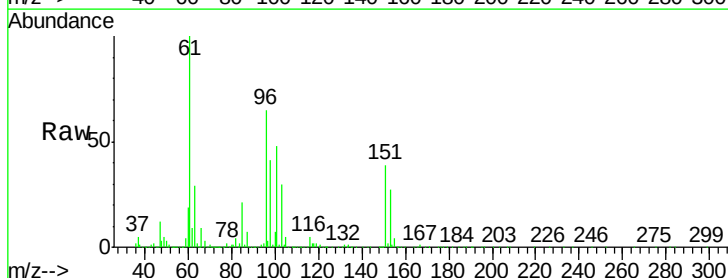
MMDadoda
2/13/2019 12:00:40 PM

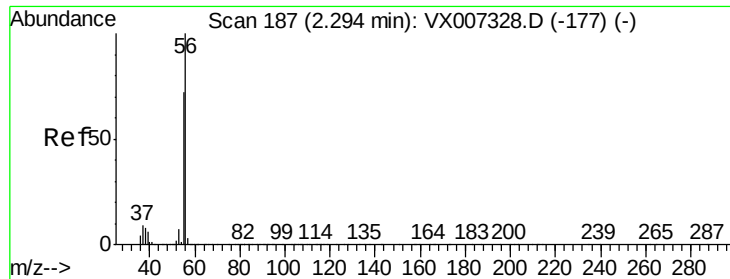


#12

1,1-Dichloroethene
Concen: 18.486 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	123.0	184.4
98	62.2	50.9	76.3





#13

Acrolein

Concen: 88.917 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 56 Resp: 42283

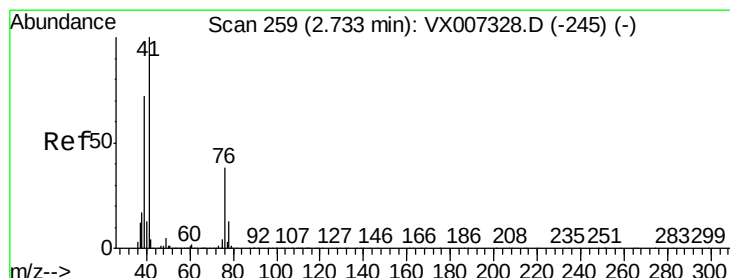
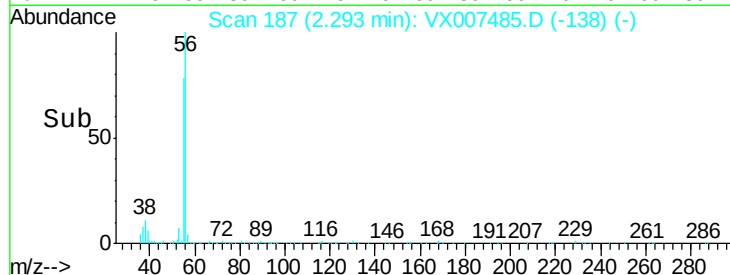
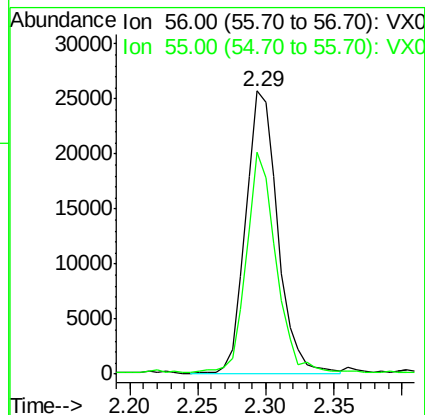
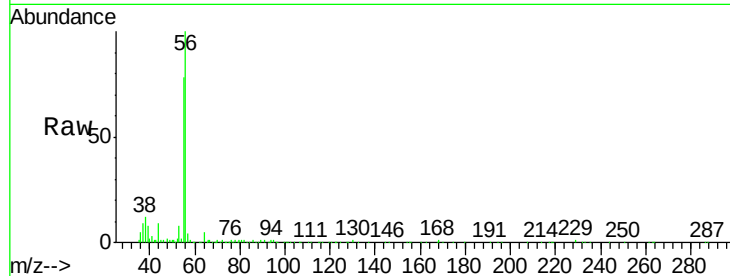
Ion Ratio Lower Upper

56 100

55 72.5 56.9 85.3

Manual Integrations
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2/13/2019 12:00:40 PM



#14

Allyl chloride

Concen: 19.234 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

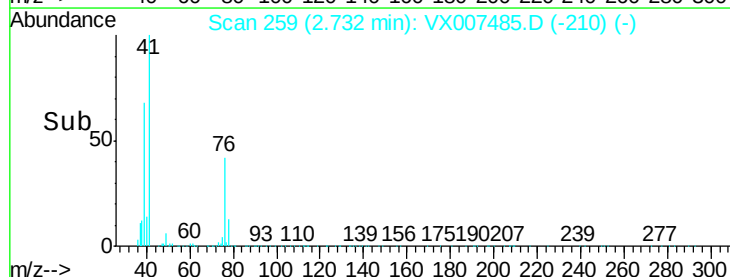
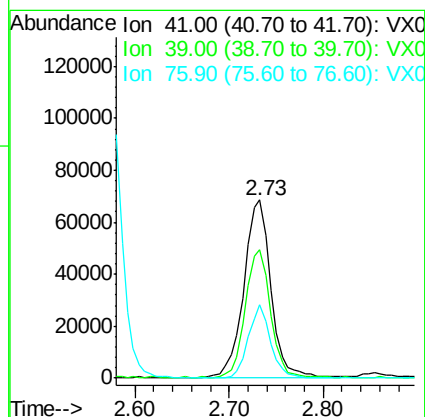
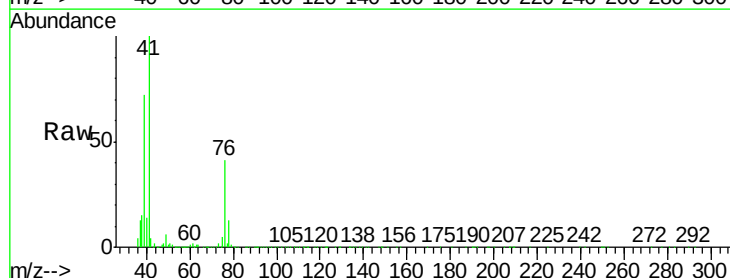
Tgt Ion: 41 Resp: 138145

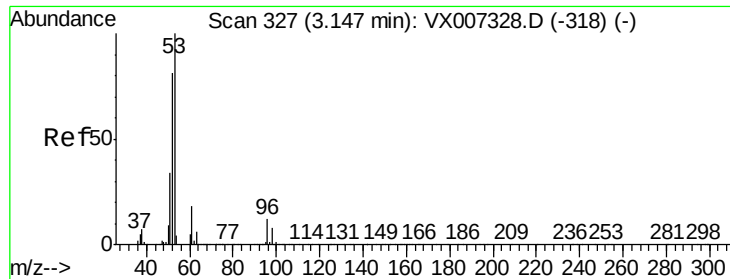
Ion Ratio Lower Upper

41 100

39 65.9 54.1 81.1

76 34.0 27.8 41.8





#15

Acrylonitrile

Concen: 96.681 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

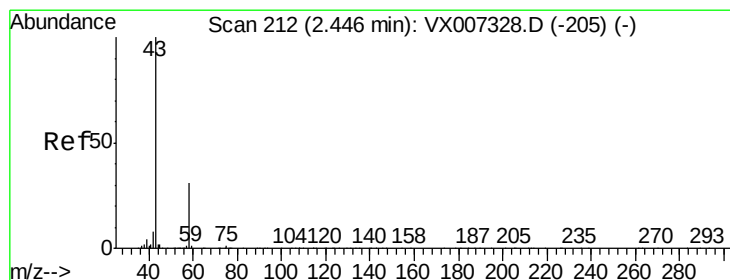
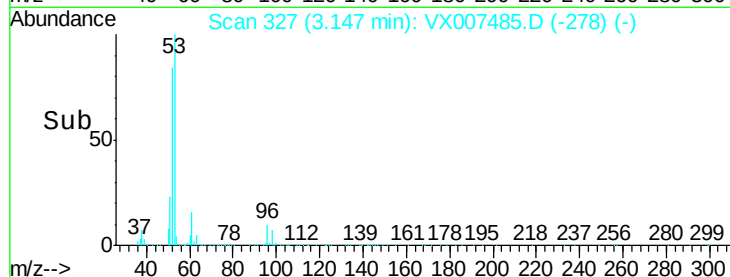
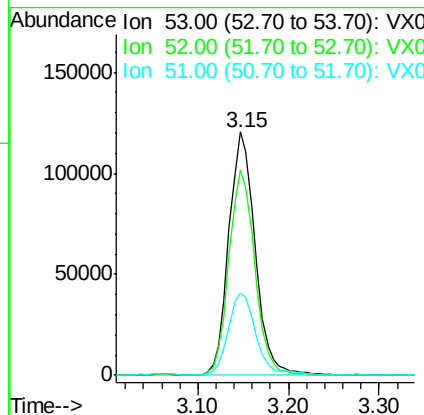
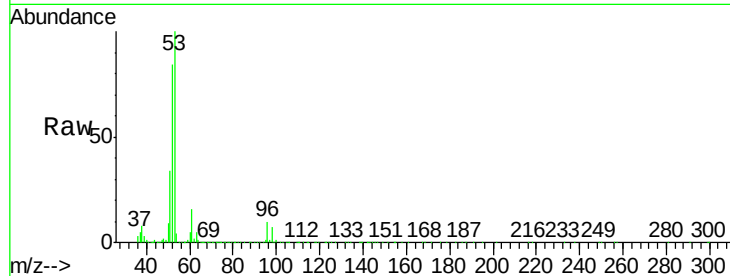
ClientSampleId :

VX0212WBS01

Tot Ion	53	Resp	242540
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.4	99.6
51	35.4	28.4	42.6

Manual Integrations
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MMDadoda
2/13/2019 12:00:40 PM



#16

Acetone

Concen: 107.071 ug/l

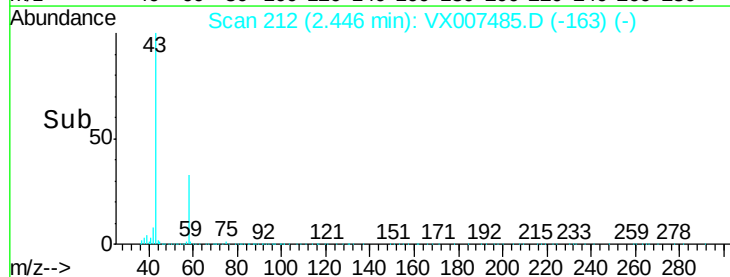
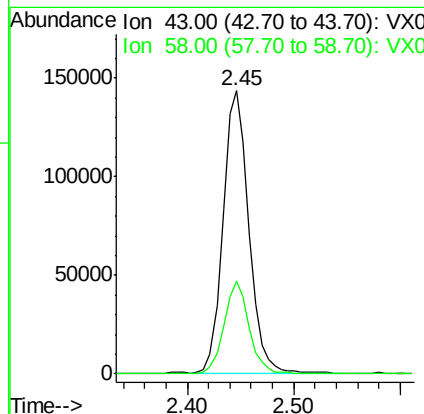
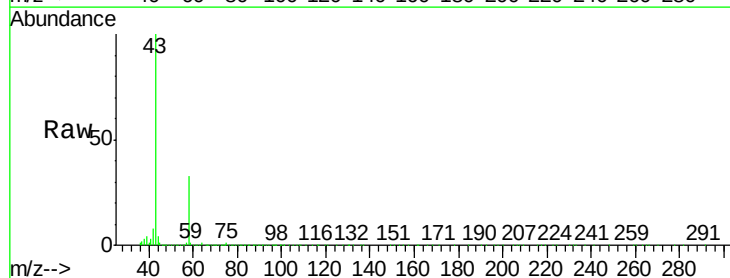
RT: 2.45 min Scan# 212

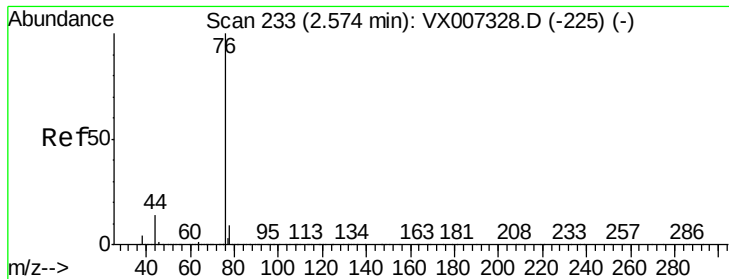
Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Tgt Ion	43	Resp	240335
Ion Ratio	Lower	Upper	
43	100		
58	32.7	24.9	37.3





#17

Carbon Disulfide

Concen: 18.670 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 76 Resp: 199204

Ion Ratio Lower Upper

76 100

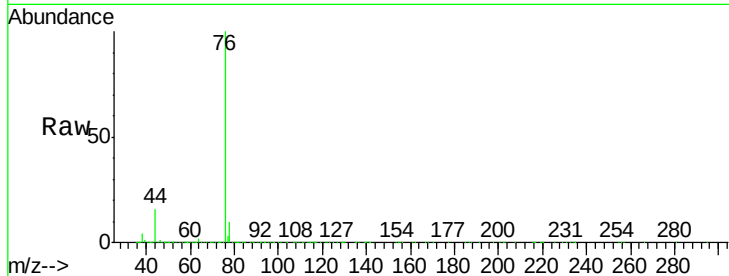
78 9.4 7.1 10.7

Manual Integrations

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2/13/2019 12:00:40 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

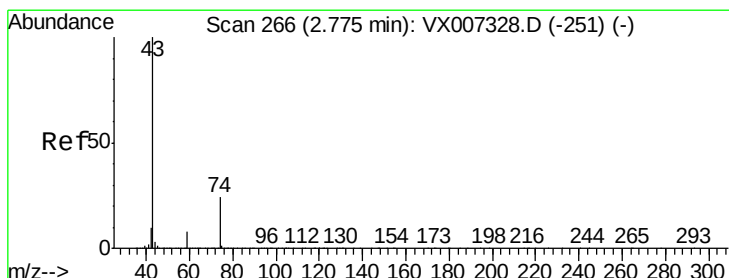
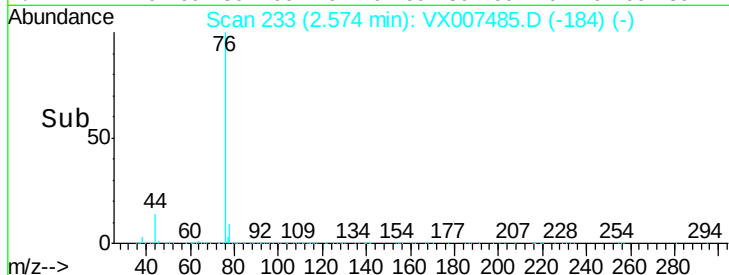
2.57

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.537 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007485.D

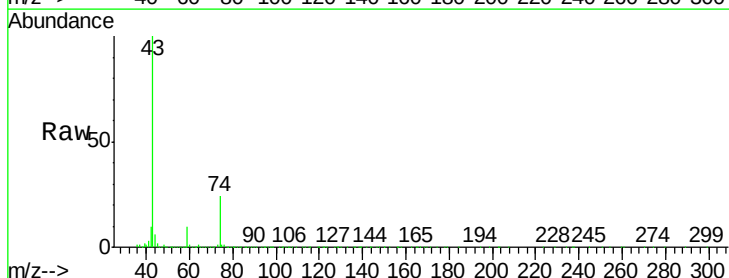
Acq: 12 Feb 2019 13:43

Tgt Ion: 43 Resp: 129880

Ion Ratio Lower Upper

43 100

74 22.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

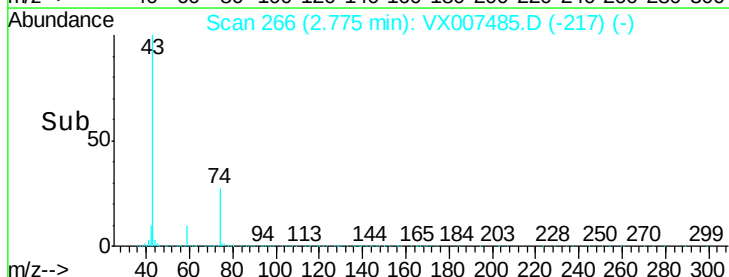
60000

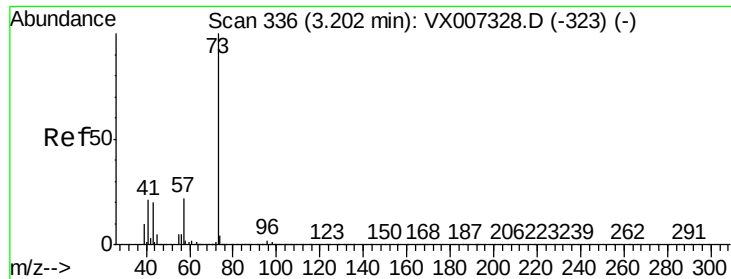
40000

20000

0

Time-->





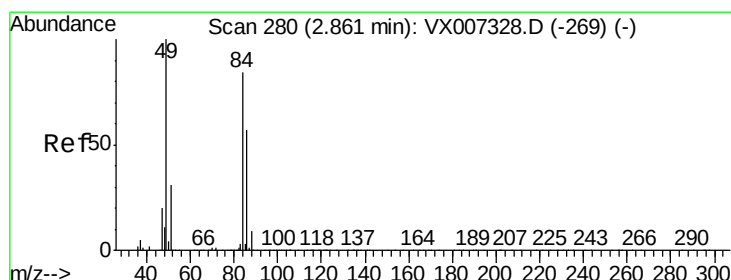
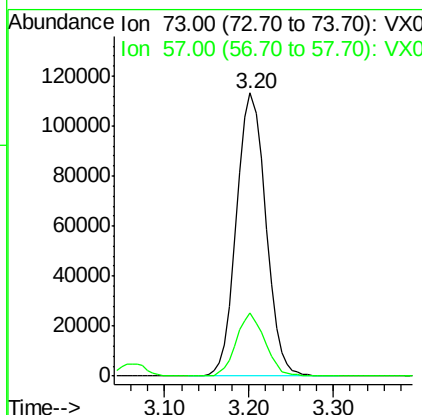
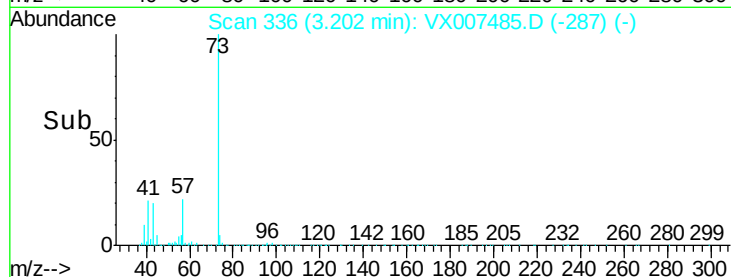
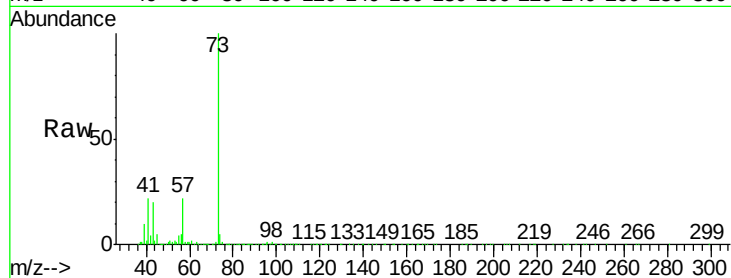
#19
Methyl tert-butyl Ether
Concen: 18.702 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.8

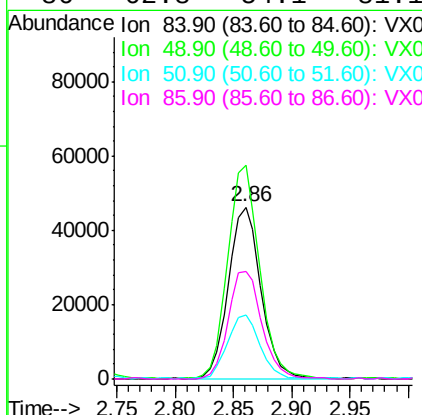
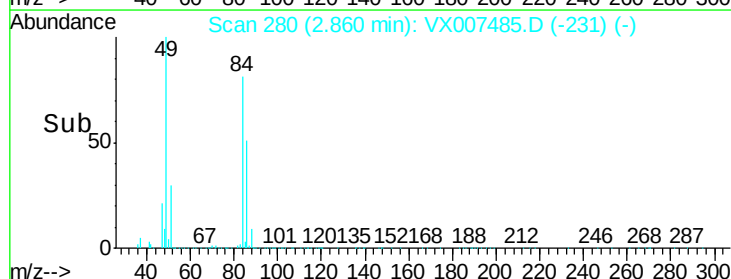
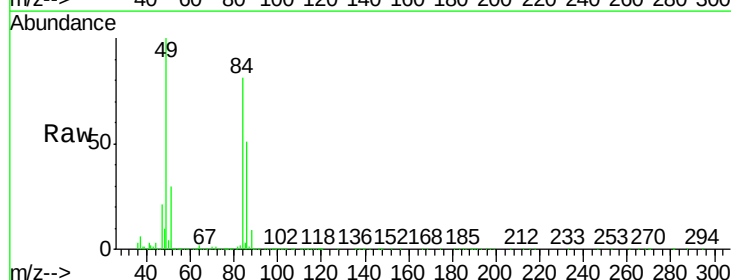
Manual Integrations
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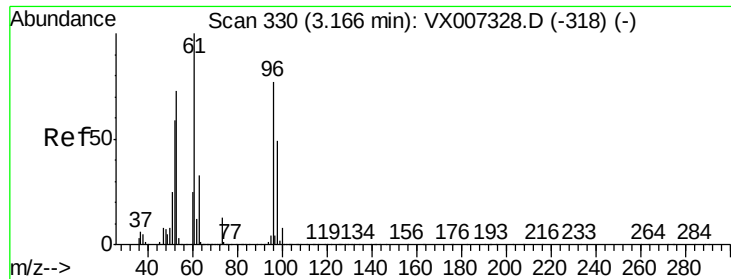
MMDadoda
2/13/2019 12:00:40 PM



#20
Methylene Chloride
Concen: 19.347 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.1	94.8	142.2
51	36.5	29.8	44.8
86	62.8	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 18.127 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

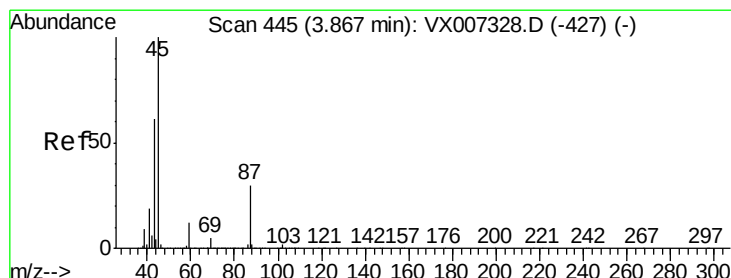
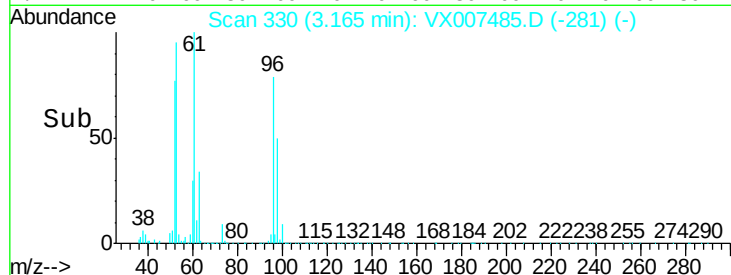
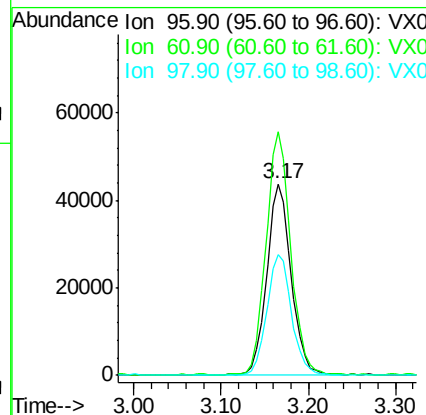
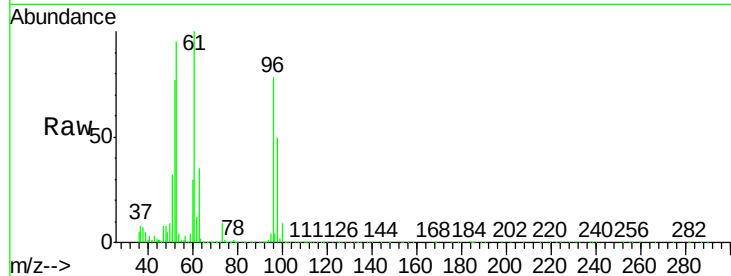
ClientSampleId :

VX0212WBS01

Tot Ion:	96	Resp:	85116
Ion Ratio	Lower	Upper	
96	100		
61	127.0	104.6	156.8
98	63.2	51.0	76.4

Manual Integrations
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MMDadoda
2/13/2019 12:00:40 PM



#22

Diisopropyl ether

Concen: 19.467 ug/l

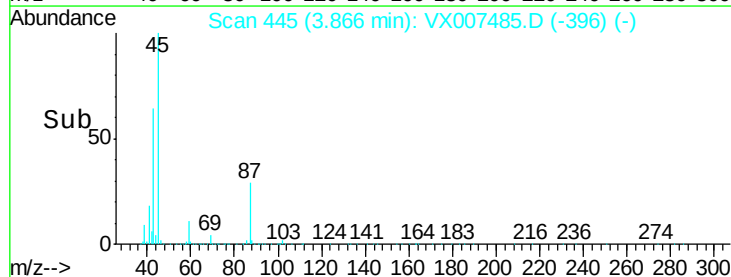
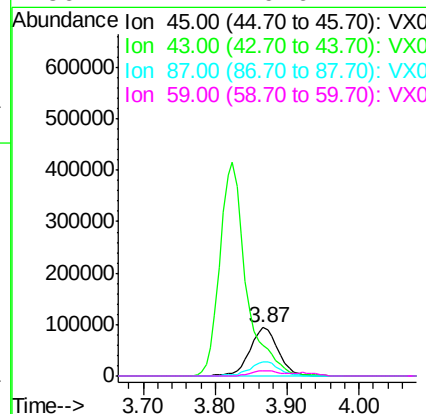
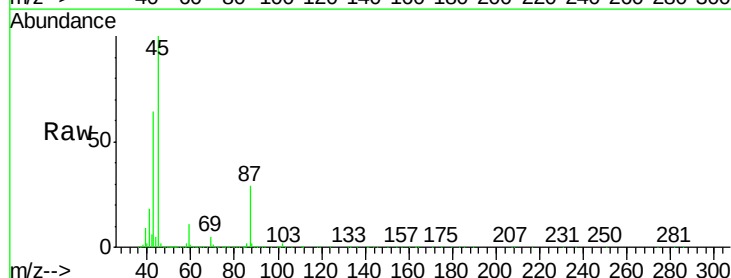
RT: 3.87 min Scan# 445

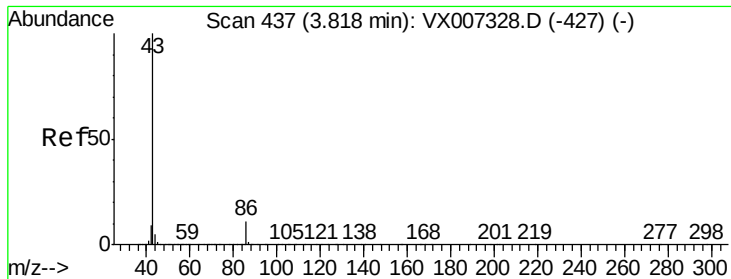
Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Tgt Ion:	45	Resp:	257183
Ion Ratio	Lower	Upper	
45	100		
43	63.6	48.9	73.3
87	29.5	23.9	35.9
59	11.2	9.6	14.4





#23

Vinyl Acetate

Concen: 97.048 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 43 Resp: 1063927

Ion Ratio Lower Upper

43 100

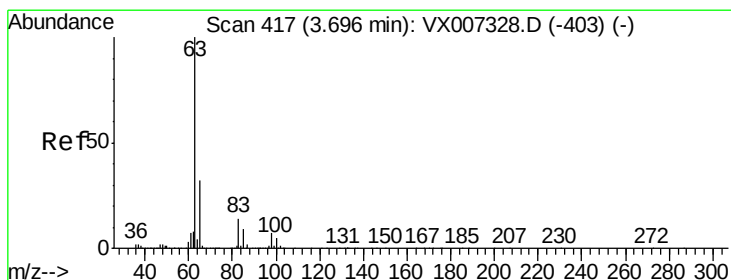
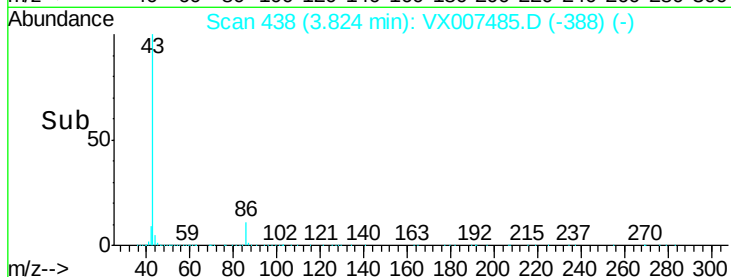
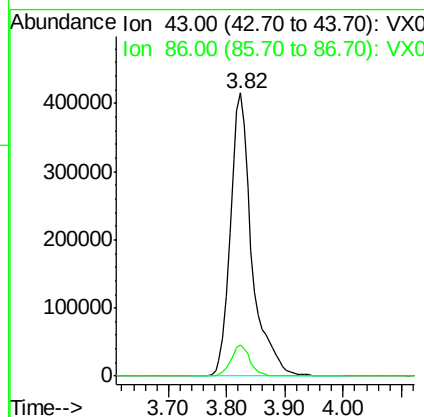
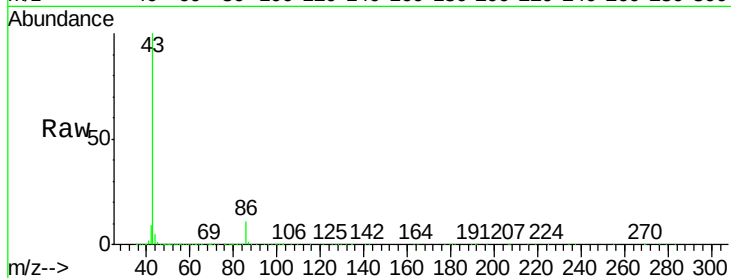
86 11.1 8.7 13.1

Manual Integrations

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MMDadoda

2/13/2019 12:00:40 PM



#24

1,1-Dichloroethane

Concen: 19.417 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

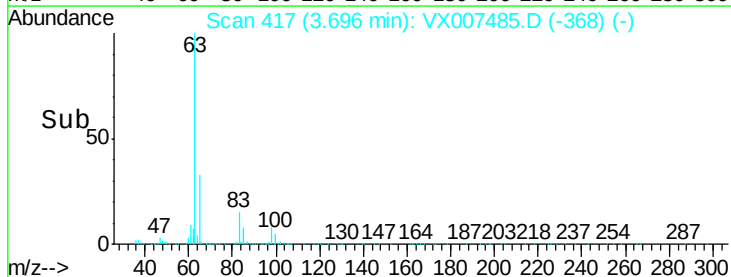
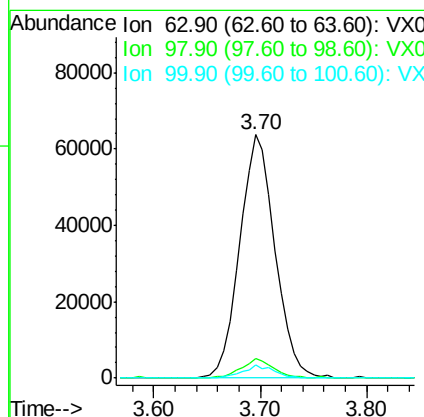
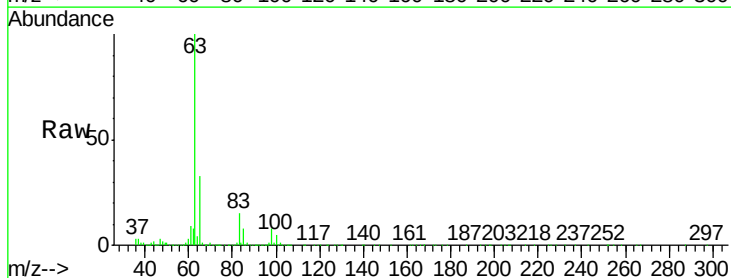
Tgt Ion: 63 Resp: 147316

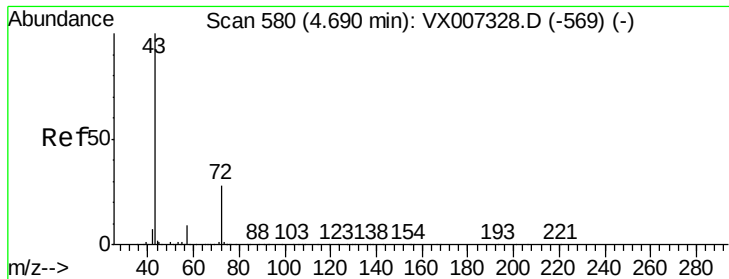
Ion Ratio Lower Upper

63 100

98 8.1 3.6 10.8

100 5.2 2.5 7.4





#25

2-Butanone

Concen: 103.610 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 43 Resp: 330971

Ion Ratio Lower Upper

43 100

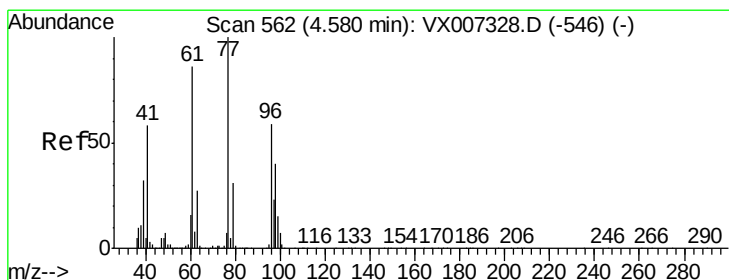
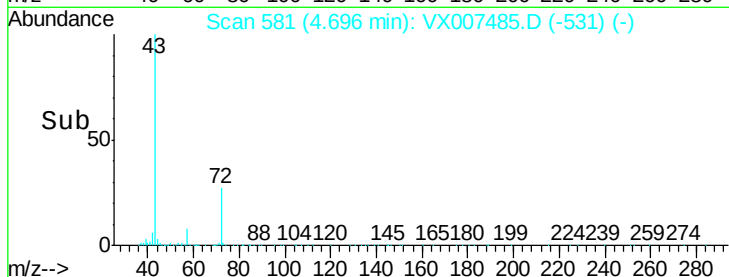
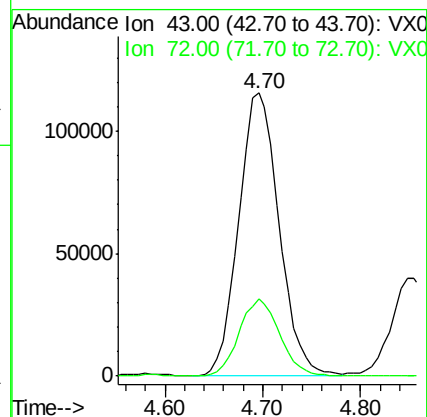
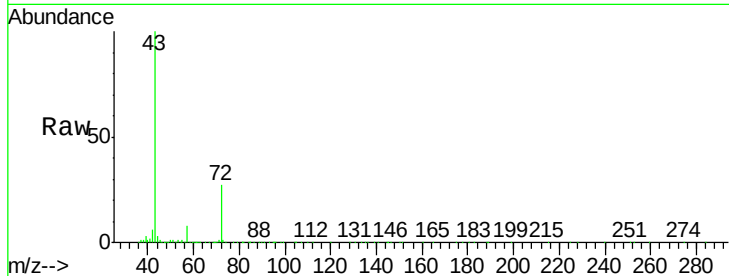
72 27.1 22.2 33.2

Manual Integrations

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MMDadoda

2/13/2019 12:00:40 PM



#26

2,2-Dichloropropane

Concen: 19.239 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007485.D

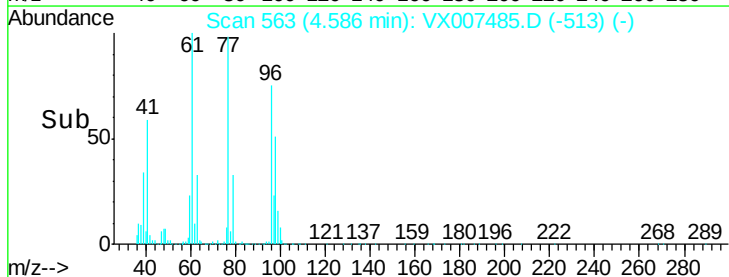
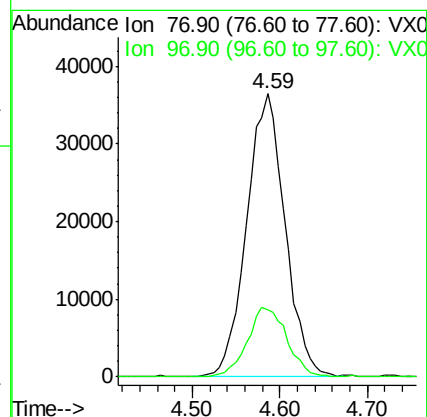
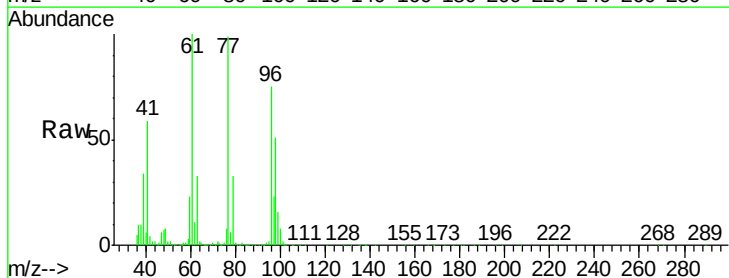
Acq: 12 Feb 2019 13:43

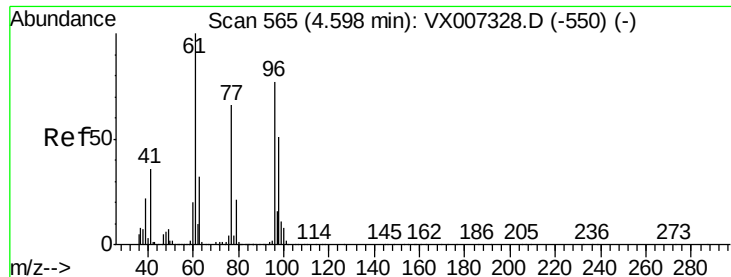
Tgt Ion: 77 Resp: 111158

Ion Ratio Lower Upper

77 100

97 25.2 12.1 36.3





#27

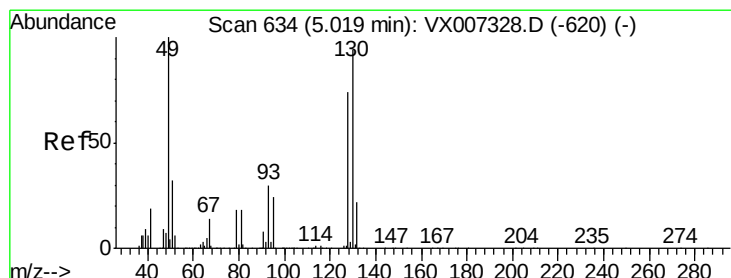
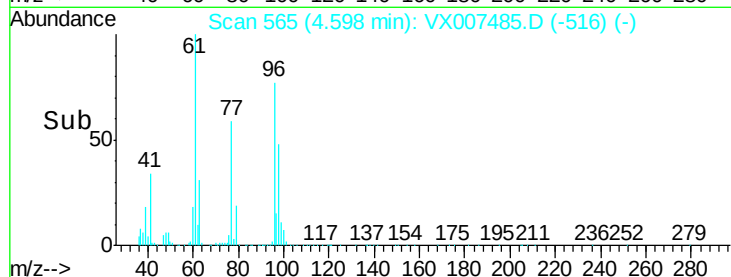
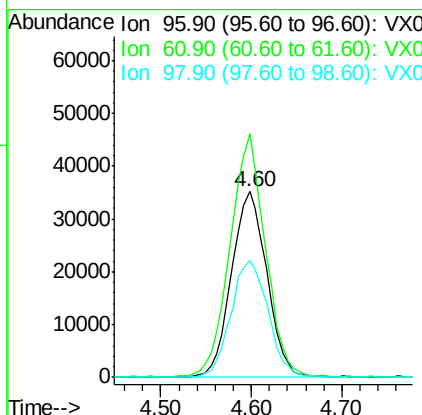
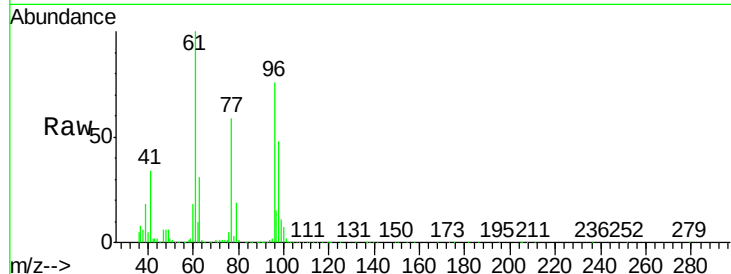
cis-1,2-Dichloroethene
Concen: 18.502 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.4	0.0	265.6	
98	66.5	0.0	131.6	

Manual Integrations
APPROVED

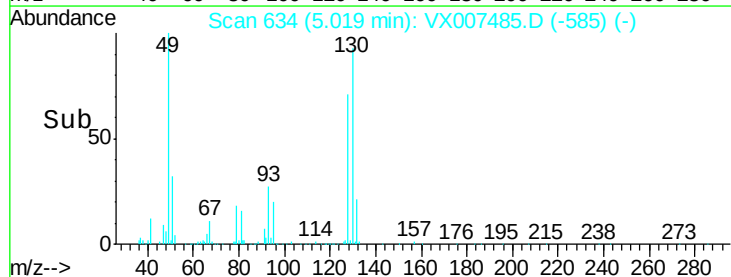
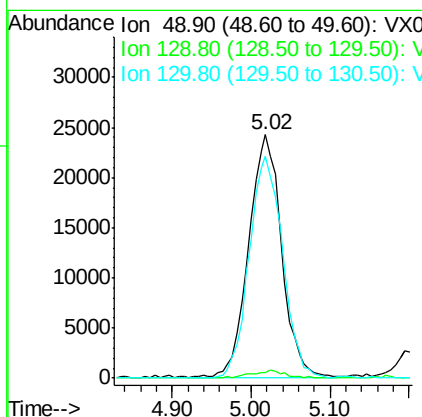
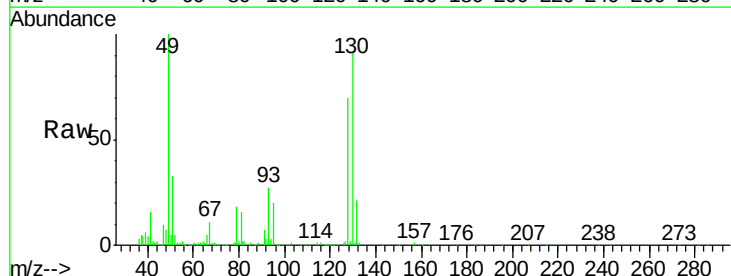
MMDadoda
2/13/2019 12:00:40 PM

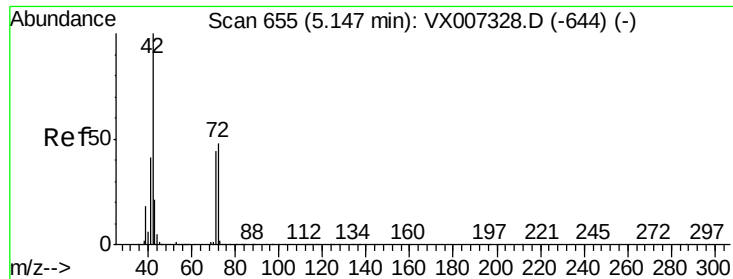


#28

Bromochloromethane
Concen: 20.078 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.4	0.0	5.6	
130	93.4	75.6	113.4	





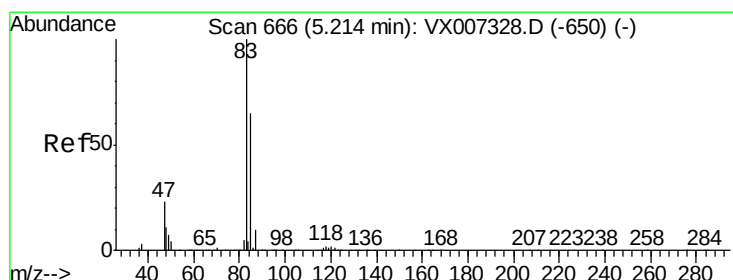
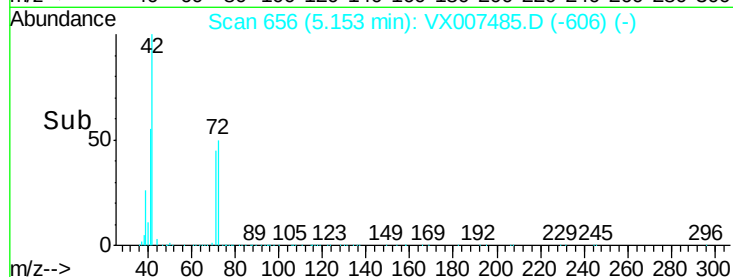
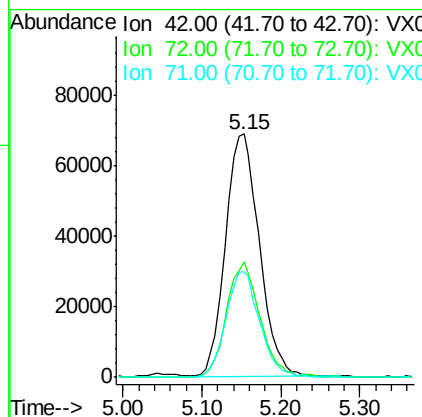
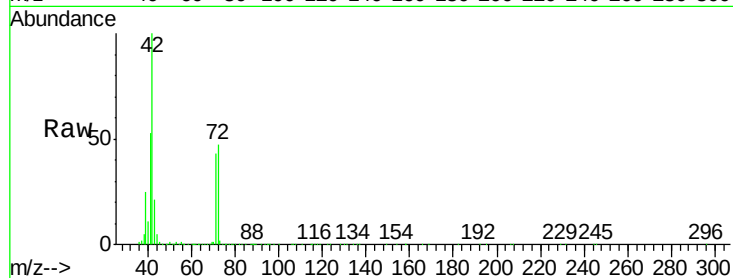
#29
Tetrahydrofuran
Concen: 102.749 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.6	56.4
71	43.4	34.6	51.8

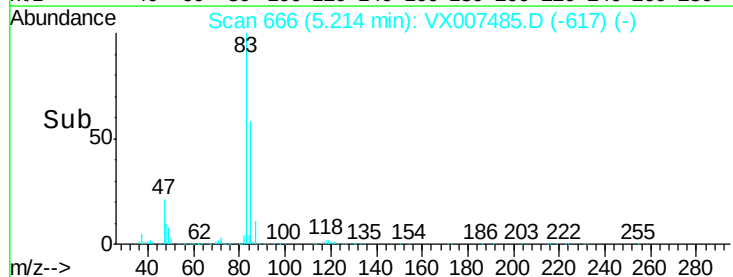
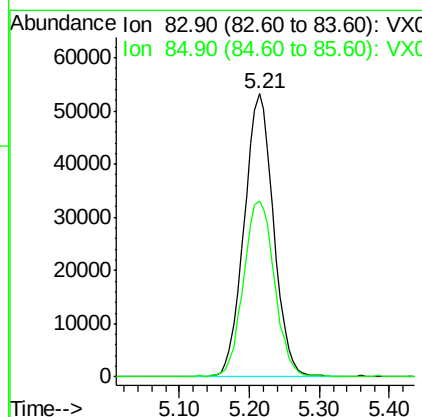
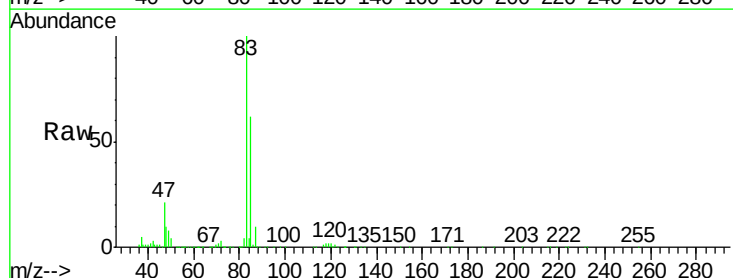
Manual Integrations
APPROVED

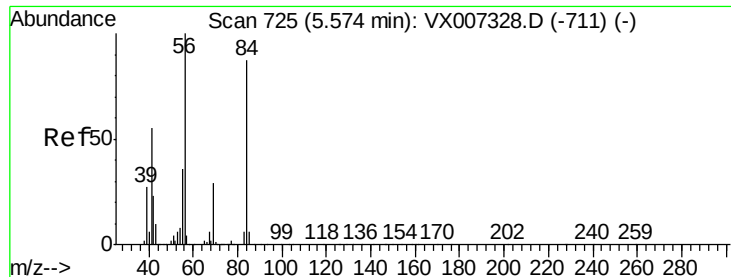
MMDadoda
2/13/2019 12:00:40 PM



#30
Chloroform
Concen: 19.623 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.6	77.4





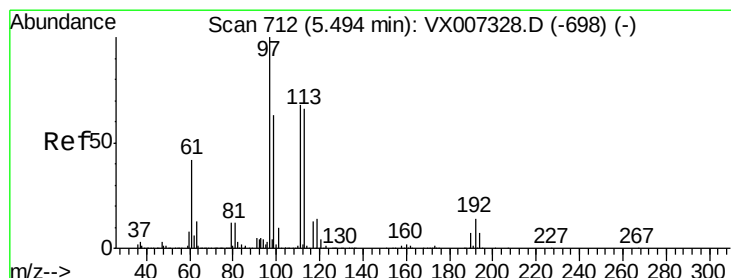
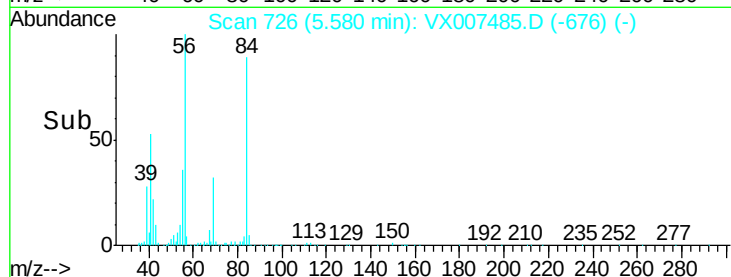
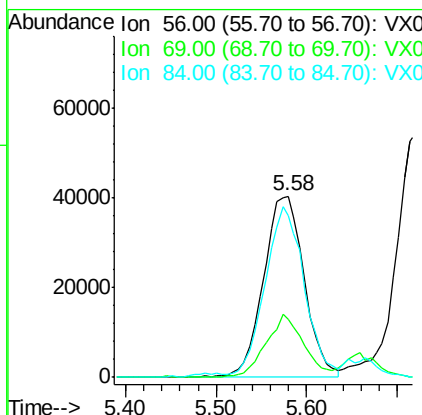
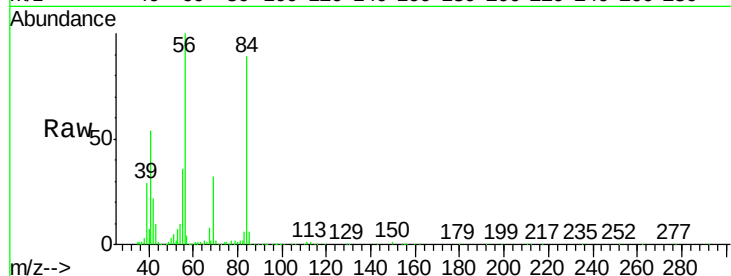
#31
Cyclohexane
Concen: 18.498 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.0	34.6
84	88.3	69.8	104.6

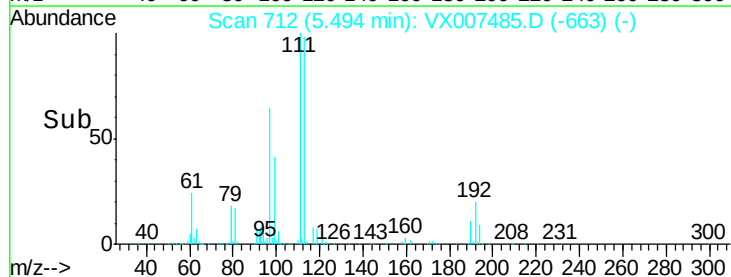
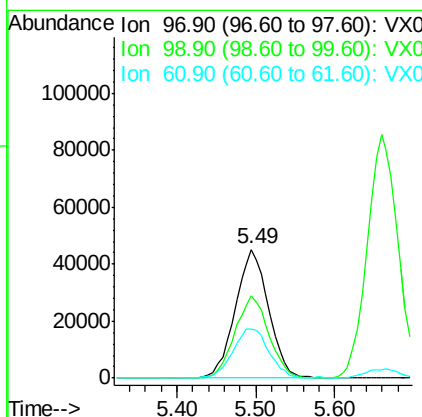
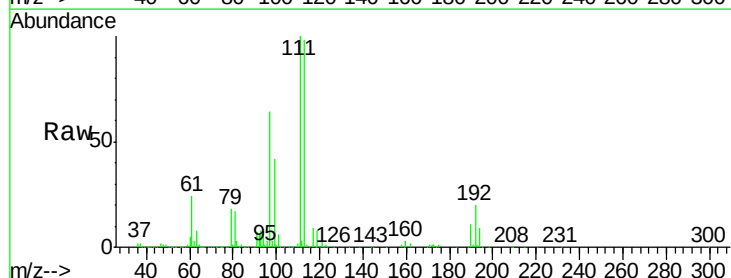
Manual Integrations
APPROVED

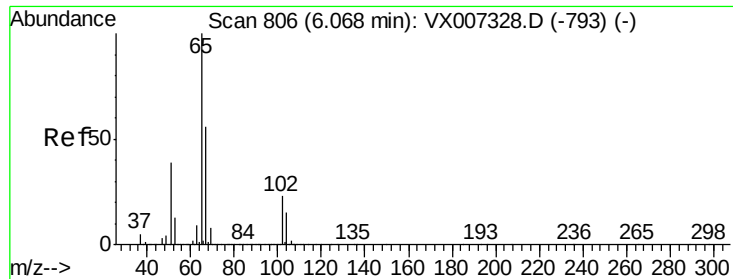
MMDadoda
2/13/2019 12:00:40 PM



#32
1,1,1-Trichloroethane
Concen: 19.732 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.2	78.2
61	41.9	32.7	49.1





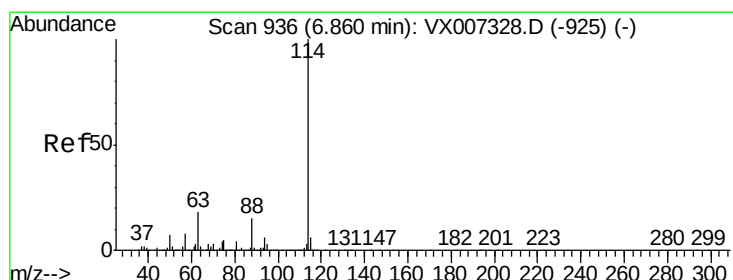
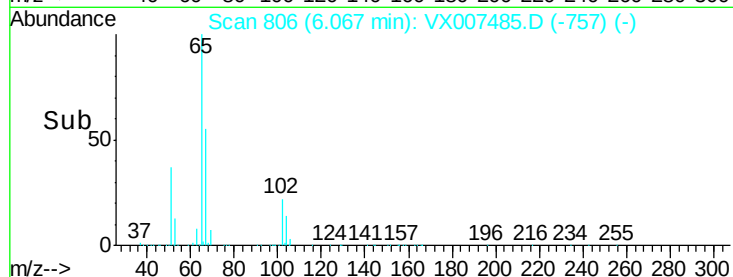
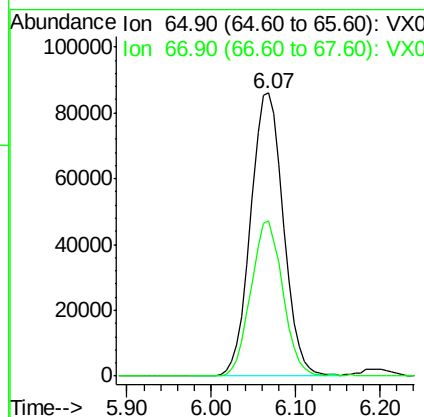
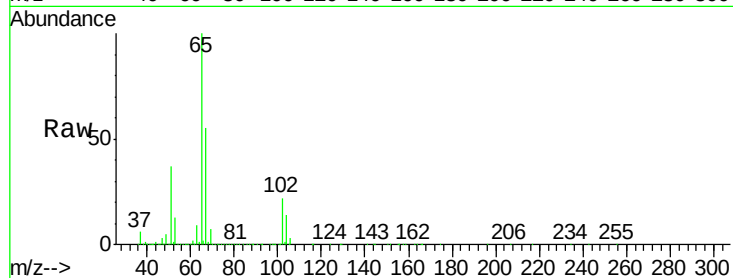
#33
 1,2-Dichloroethane-d4
 Concen: 46.384 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	227288		
67	53.4	0.0	108.8	

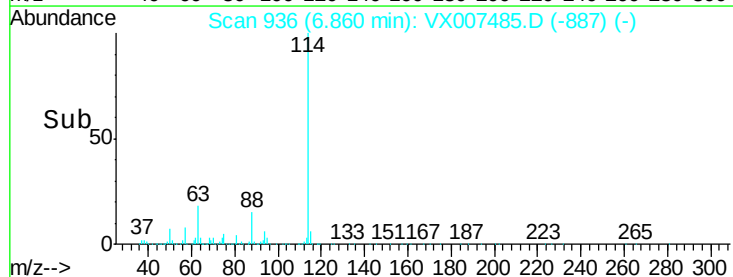
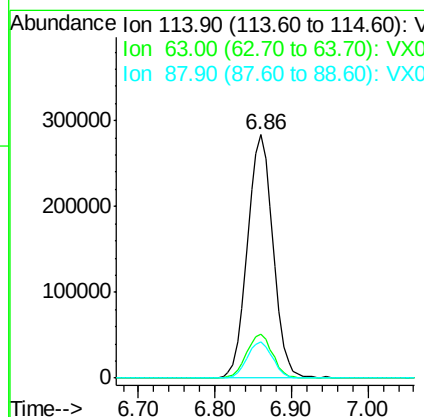
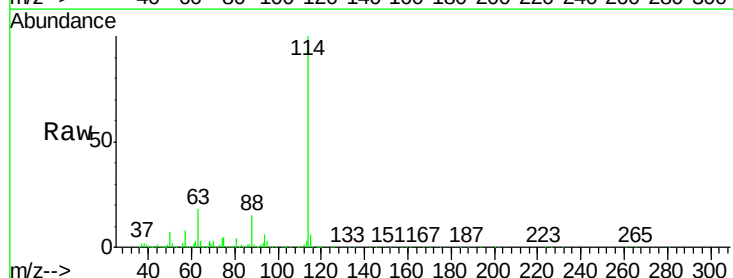
Manual Integrations
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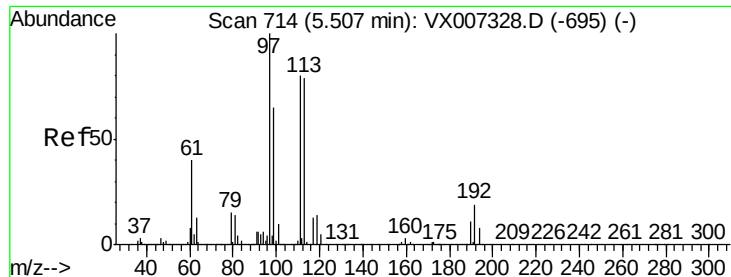
MMDadoda
 2/13/2019 12:00:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	661494		
63	18.1	0.0	35.6	
88	14.7	0.0	29.6	





#35

Dibromofluoromethane

Concen: 47.691 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

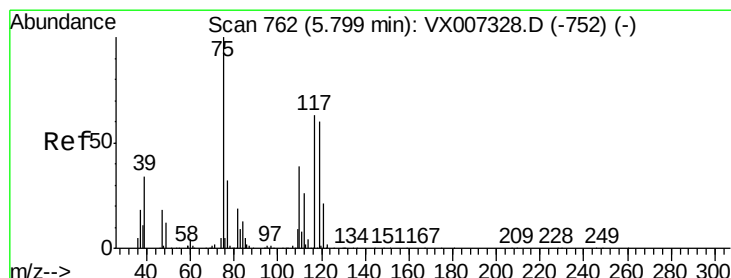
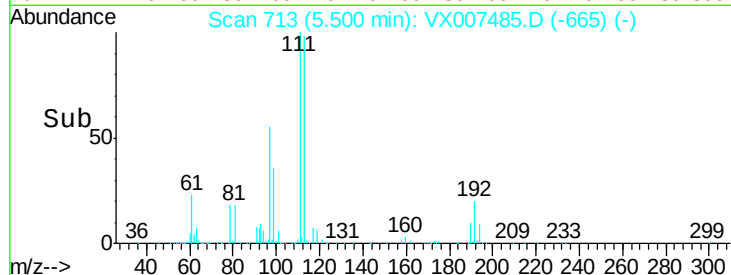
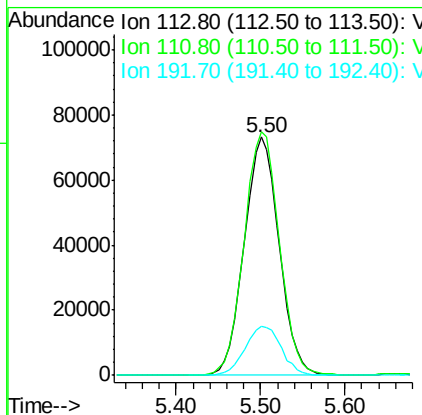
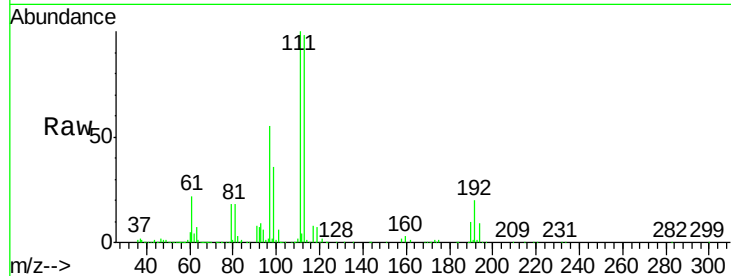
ClientSampleId :

VX0212WBS01

Tot Ion:	113	Resp:	205266
Ion Ratio		Lower	Upper
113	100		
111	103.6	81.8	122.8
192	21.5	18.5	27.7

Manual Integrations
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2/13/2019 12:00:40 PM



#36

1,1-Dichloropropene

Concen: 18.800 ug/l

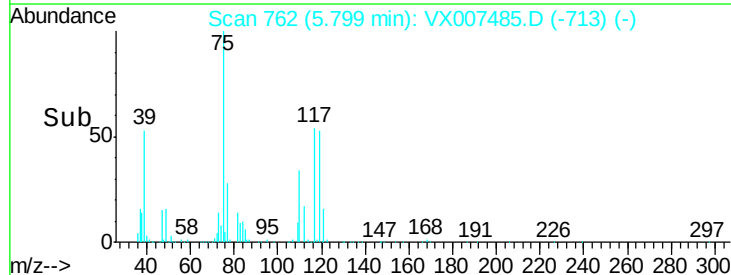
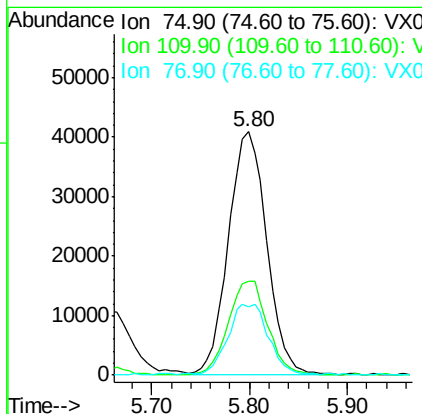
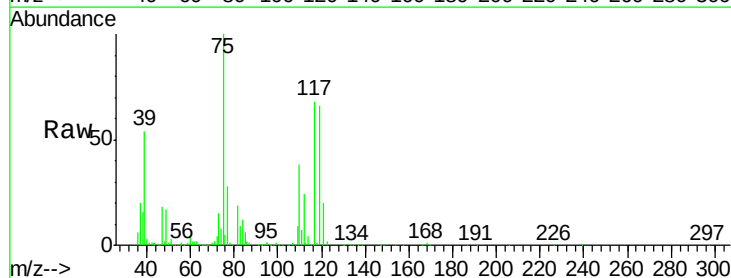
RT: 5.80 min Scan# 762

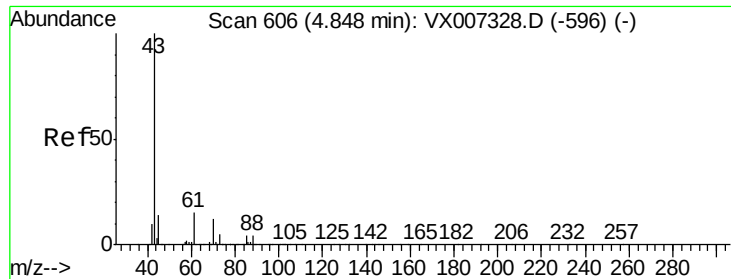
Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Tgt Ion:	75	Resp:	111584
Ion Ratio		Lower	Upper
75	100		
110	39.8	20.0	59.9
77	30.2	24.7	37.1





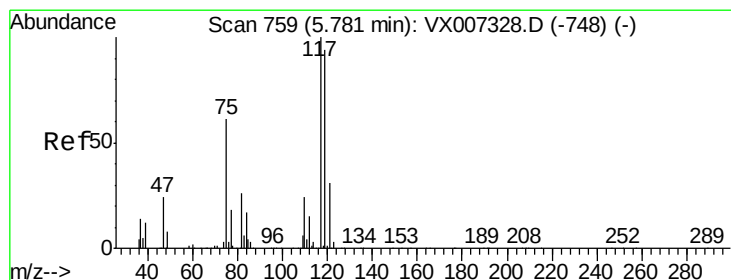
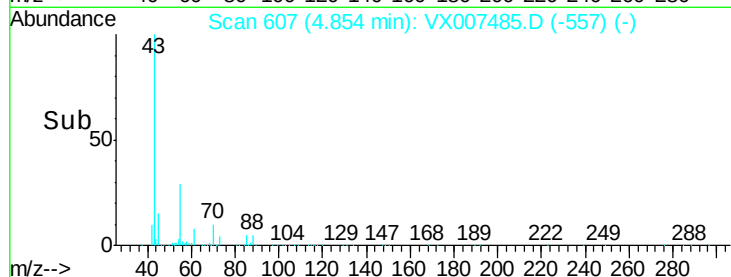
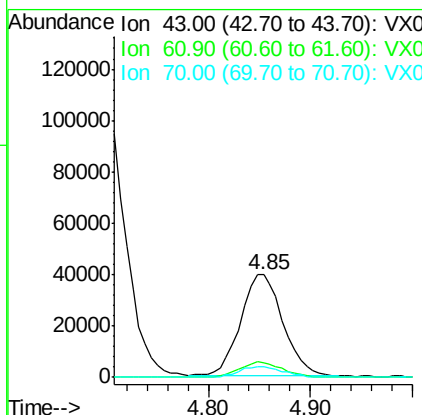
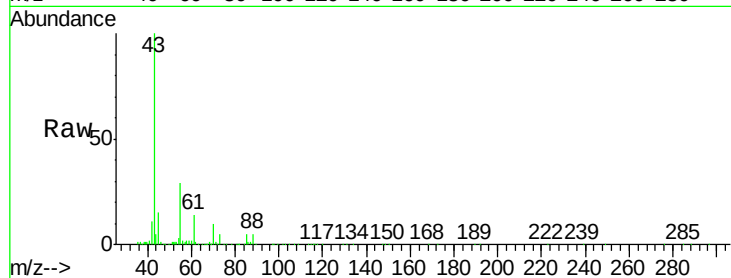
#37
Ethyl Acetate
Concen: 19.074 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.3	16.9
70	11.6	8.6	13.0

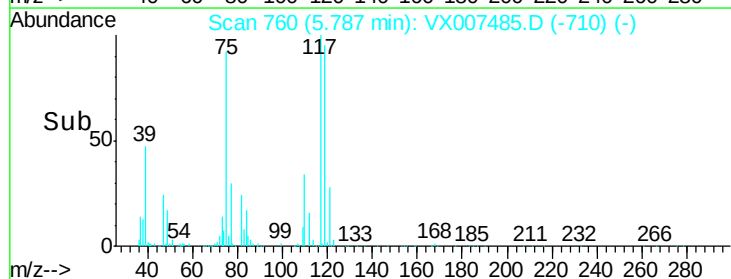
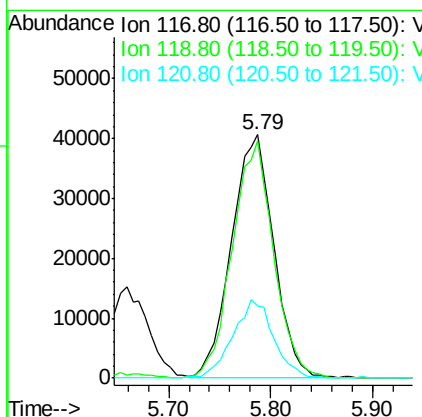
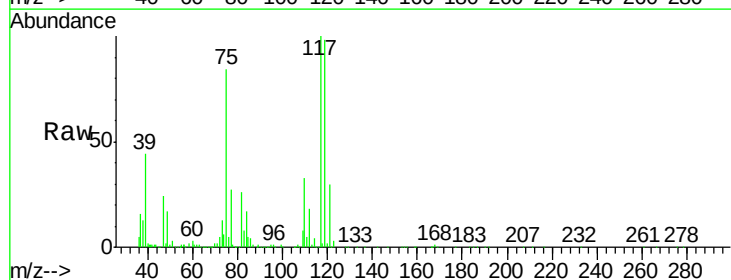
Manual Integrations
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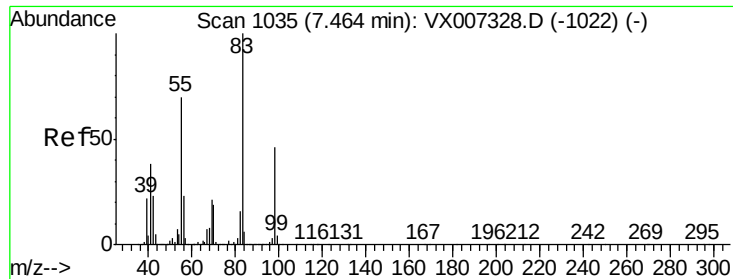
MMDadoda
2/13/2019 12:00:40 PM



#38
Carbon Tetrachloride
Concen: 20.259 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.3	112.9
121	29.7	25.0	37.4





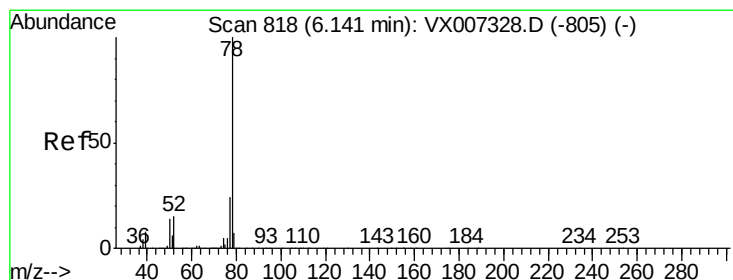
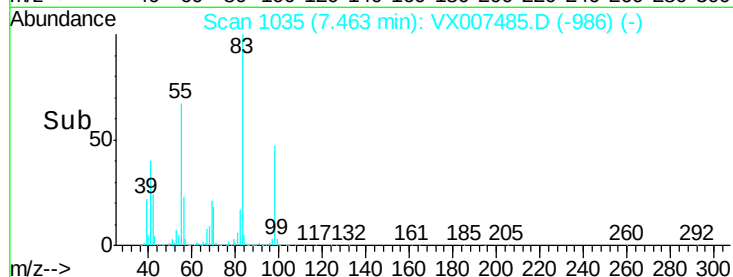
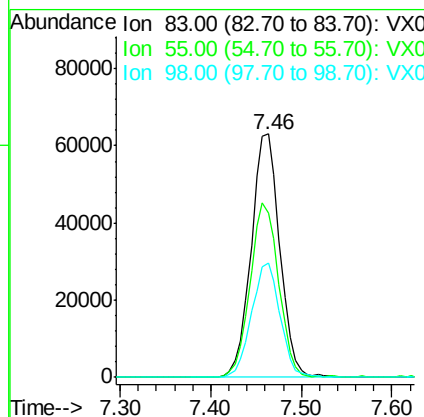
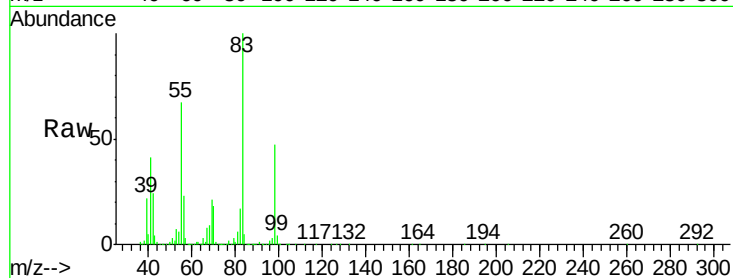
#39
Methylvlcyclohexane
Concen: 19.233 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	83	Resp	138110
Ion Ratio	Lower	Upper	
83	100		
55	67.1	56.2	84.2
98	46.9	36.8	55.2

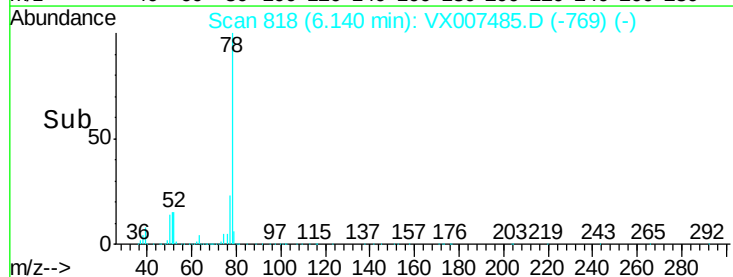
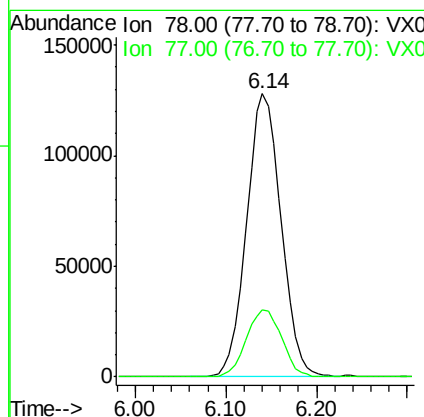
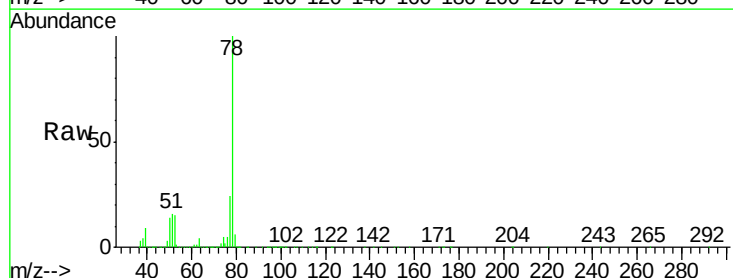
Manual Integrations
APPROVED

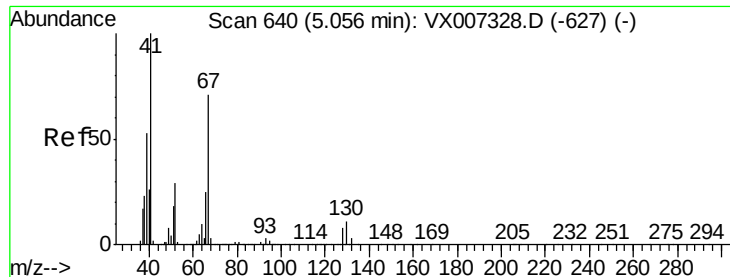
MMDadoda
2/13/2019 12:00:40 PM



#40
Benzene
Concen: 19.234 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	78	Resp	336271
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.3	28.9





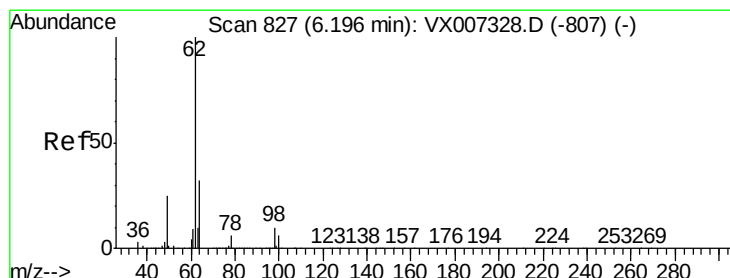
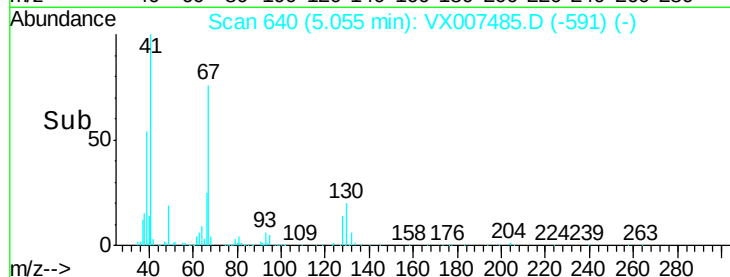
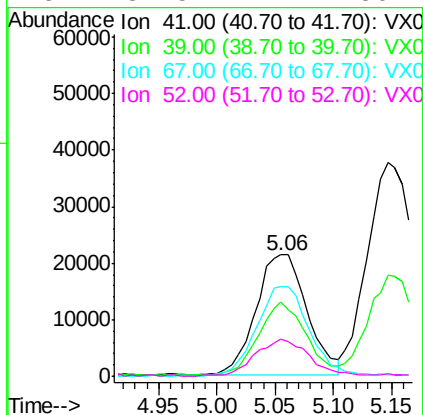
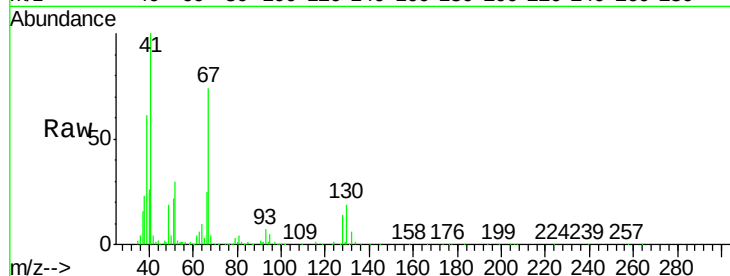
#41
Methacrylonitrile
Concen: 20.356 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	44.5	66.7	
67	75.7	60.4	90.6	
52	31.5	24.1	36.1	

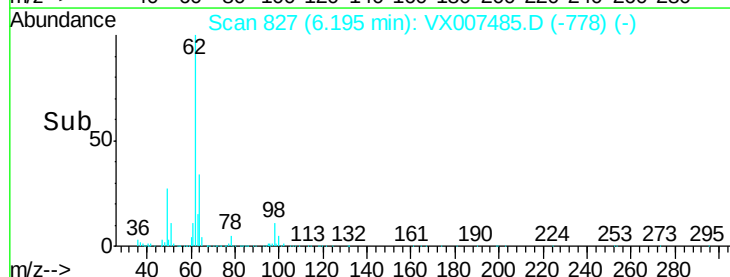
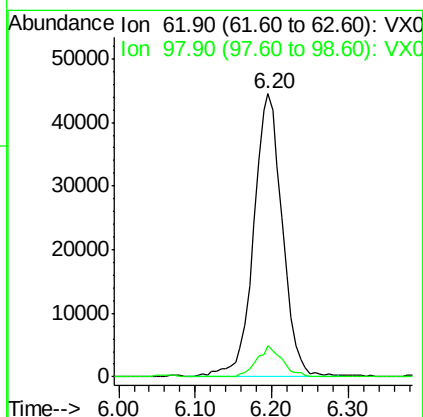
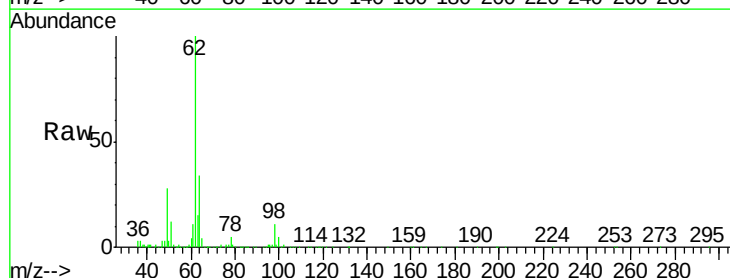
Manual Integrations
APPROVED

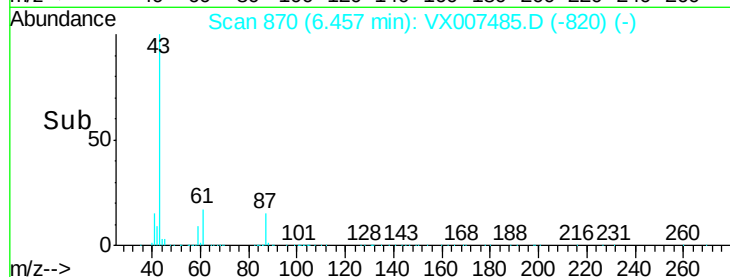
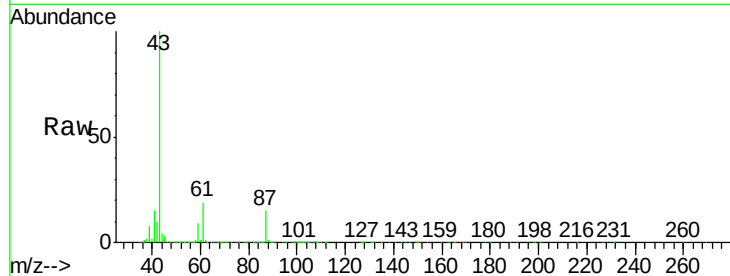
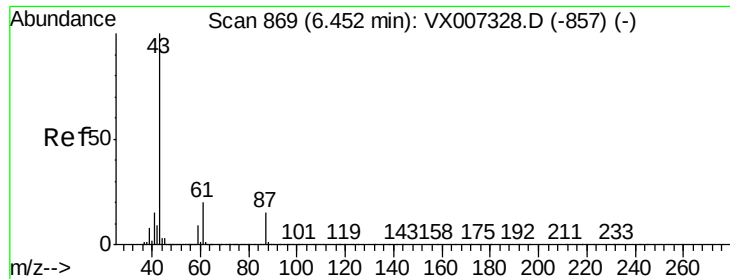
MMDadoda
2/13/2019 12:00:40 PM



#42
1,2-Dichloroethane
Concen: 19.234 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.0	





#43

Isopropyl Acetate

Concen: 19.795 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007485.D

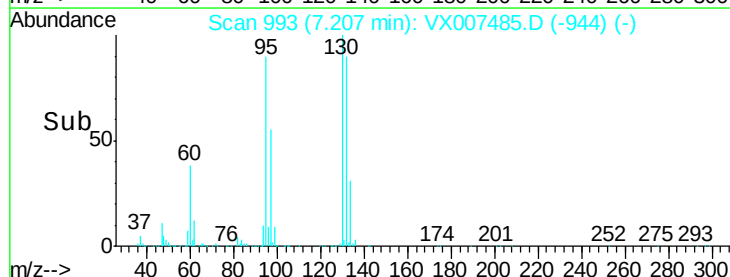
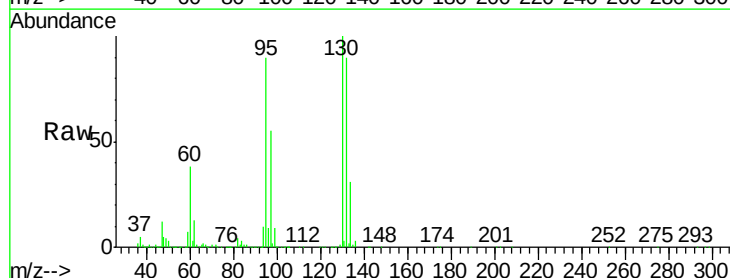
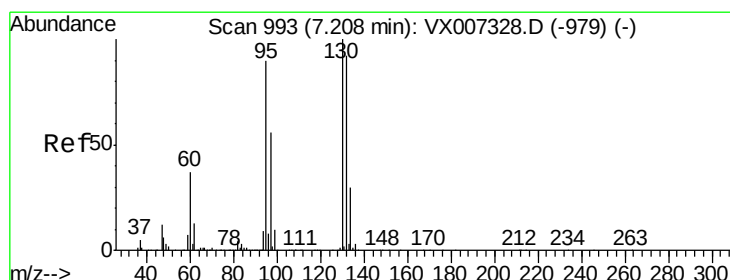
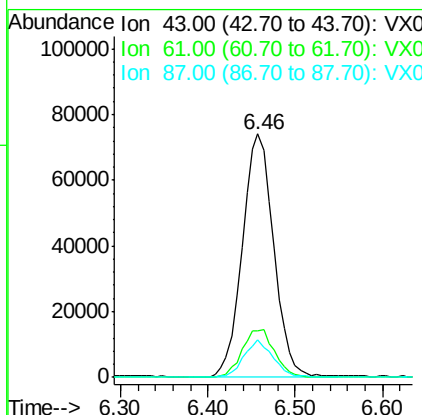
Acq: 12 Feb 2019 13:43

Tot Ion:	43	Resp:	183319
Ion Ratio		Lower	Upper
43	100		
61	20.5	16.1	24.1
87	14.5	11.5	17.3

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

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2/13/2019 12:00:40 PM



#44

Trichloroethene

Concen: 19.166 ug/l

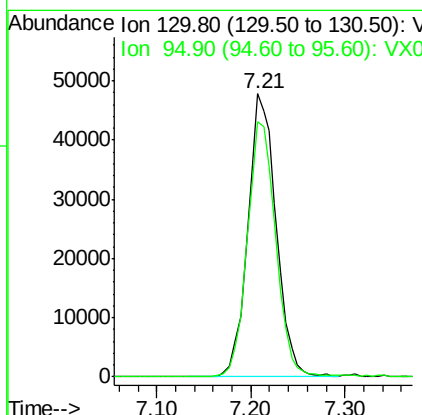
RT: 7.21 min Scan# 993

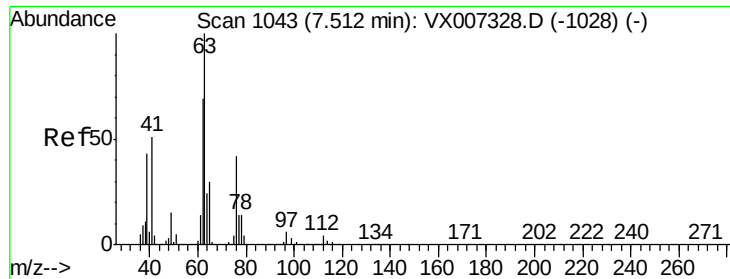
Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Tgt Ion:	130	Resp:	100918
Ion Ratio		Lower	Upper
130	100		
95	90.0	0.0	180.0





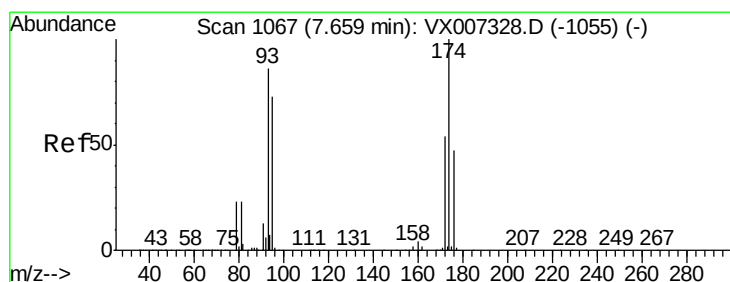
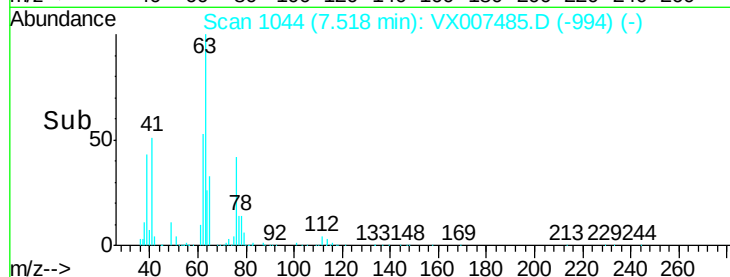
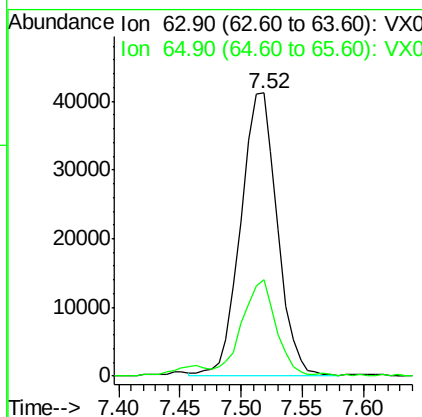
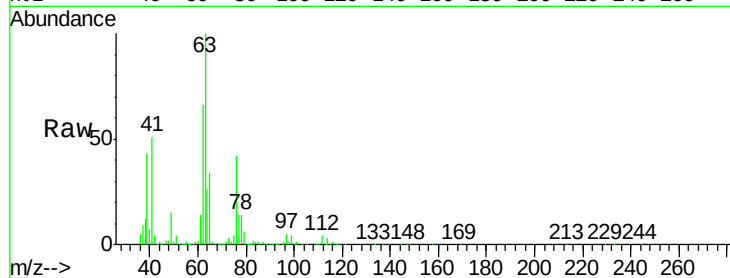
#45
 1,2-Dichloropropane
 Concen: 19.440 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.0	24.2	36.2

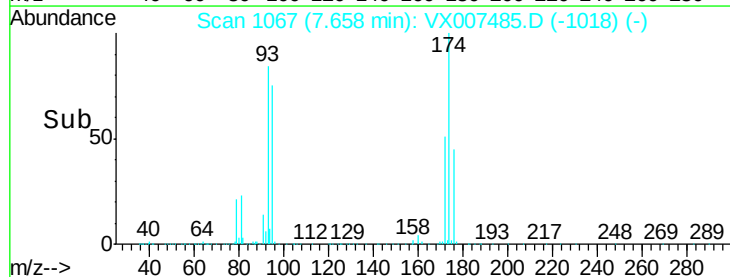
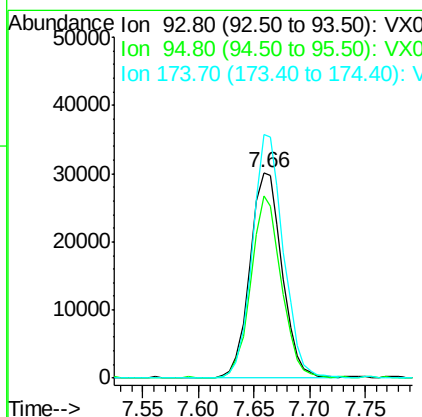
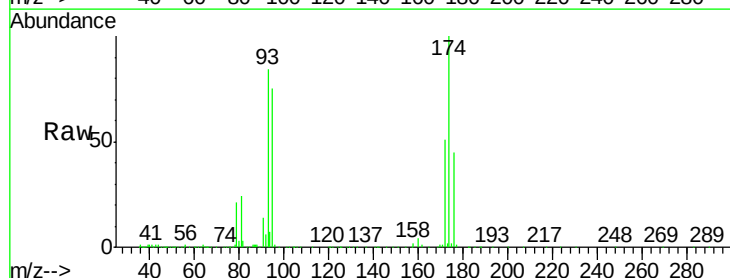
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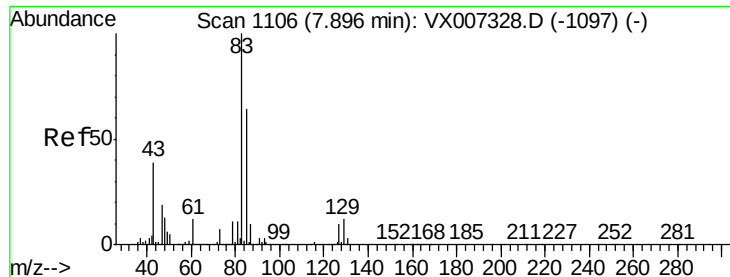
MMDadoda
 2/13/2019 12:00:40 PM



#46
 Dibromomethane
 Concen: 19.065 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.6	101.4
174	114.3	94.2	141.4





#47

Bromodichloromethane

Concen: 20.311 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

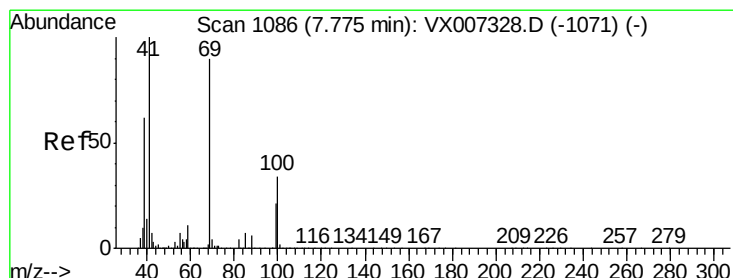
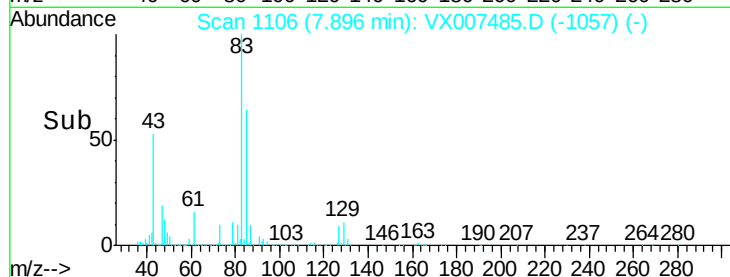
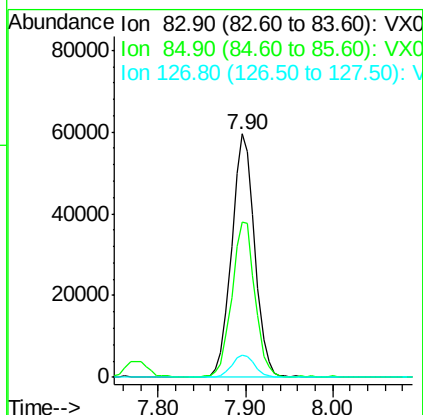
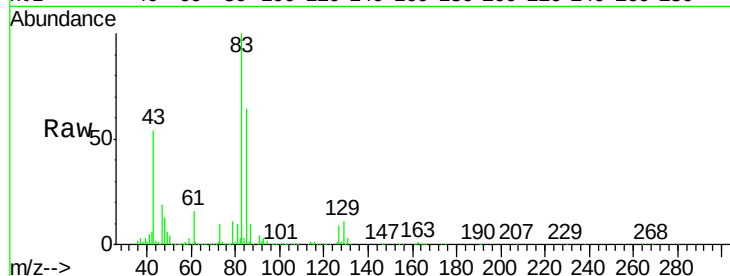
ClientSampleId :

VX0212WBS01

Tot Ion:	83	Resp:	109593
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.4	77.0
127	8.9	8.1	12.1

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#48

Methyl methacrylate

Concen: 20.103 ug/l

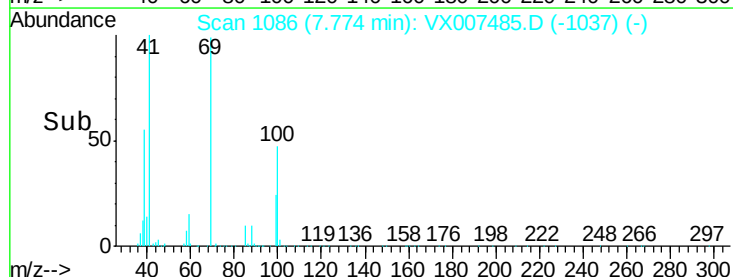
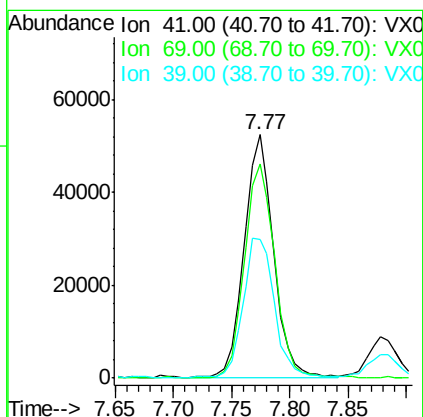
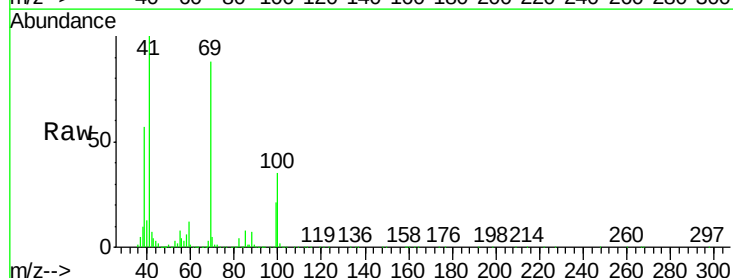
RT: 7.77 min Scan# 1086

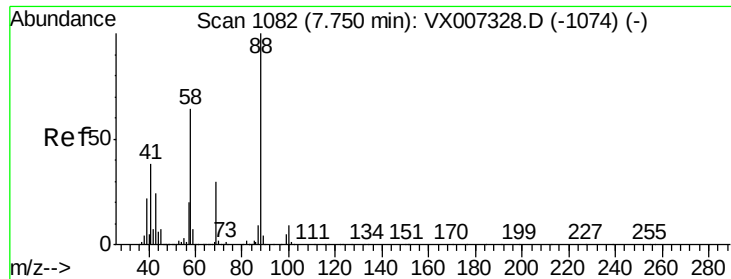
Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Tgt Ion:	41	Resp:	93119
Ion Ratio	Lower	Upper	
41	100		
69	89.8	70.2	105.4
39	60.4	47.4	71.0





#49

1,4-Dioxane

Concen: 428.945 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

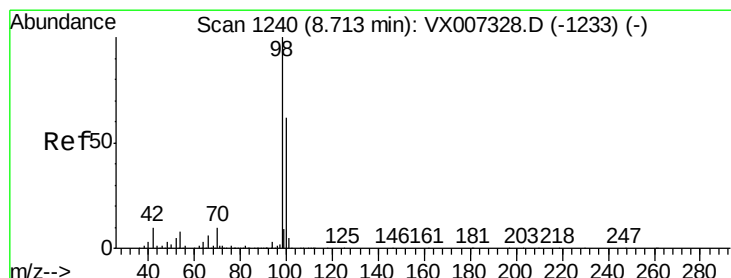
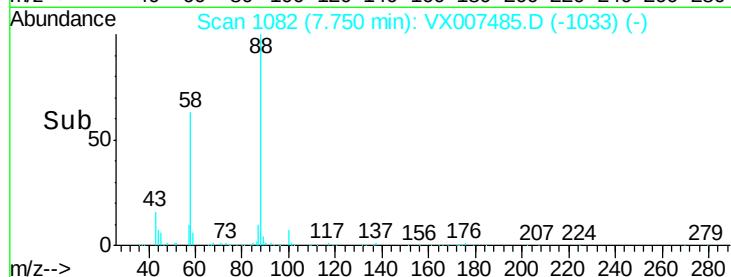
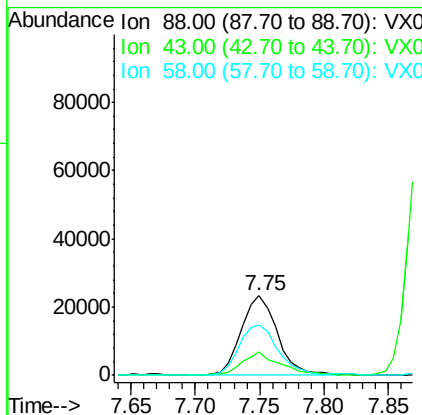
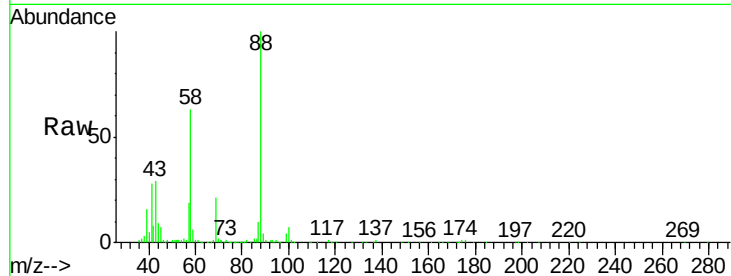
ClientSampleId :

VX0212WBS01

Tot Ion:	88	Resp:	44770
Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.2	36.4
58	69.1	53.0	79.4

Manual Integrations
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2/13/2019 12:00:40 PM



#50

Toluene-d8

Concen: 47.910 ug/l

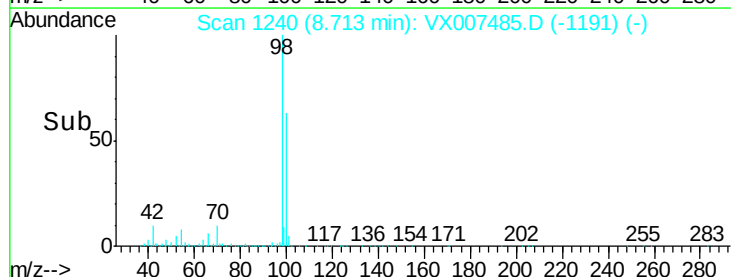
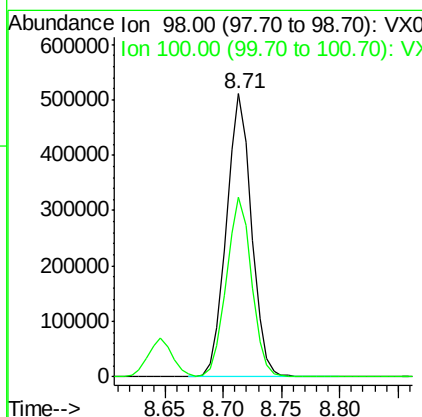
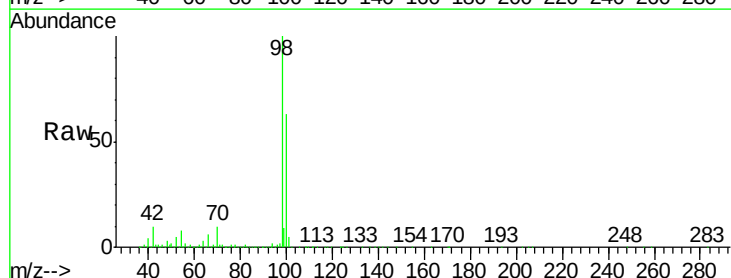
RT: 8.71 min Scan# 1240

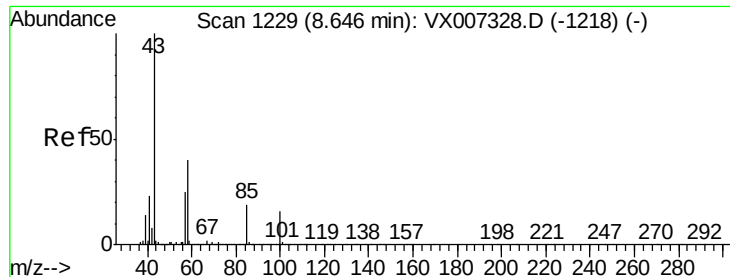
Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Tgt Ion:	98	Resp:	765071
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 103.703 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 43 Resp: 632208

Ion Ratio Lower Upper

43 100

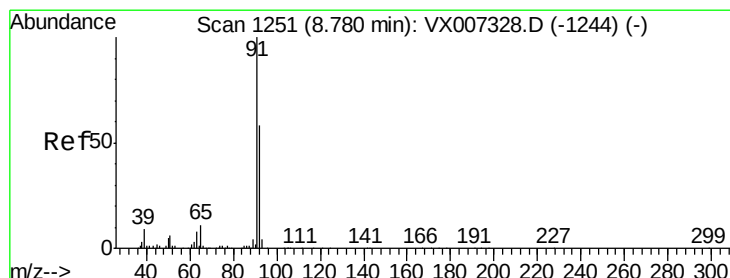
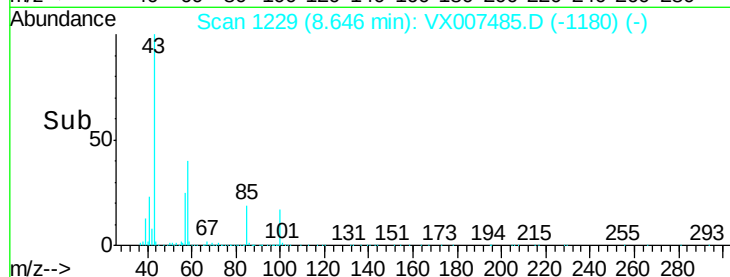
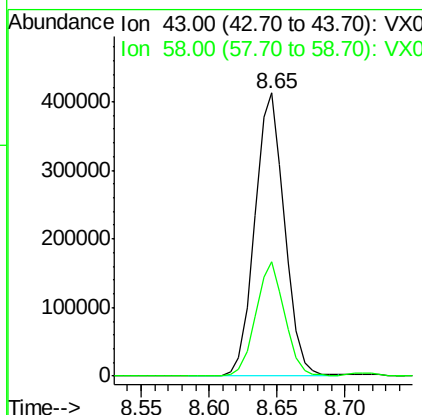
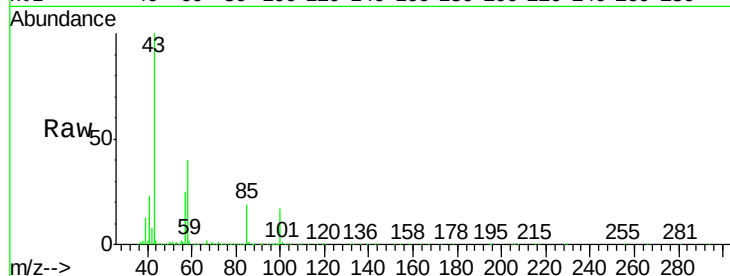
58 39.4 31.2 46.8

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#52

Toluene

Concen: 19.449 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX007485.D

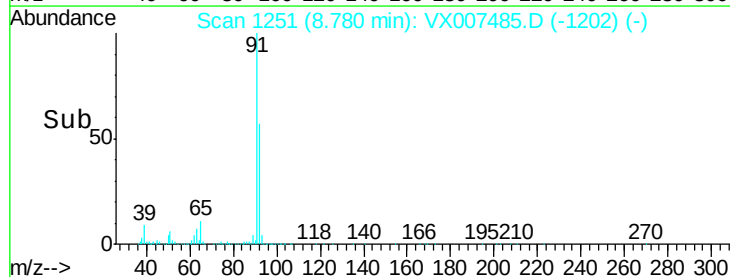
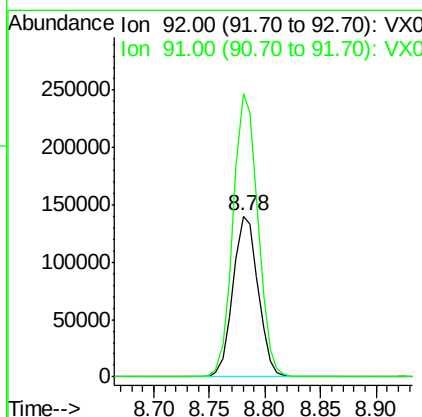
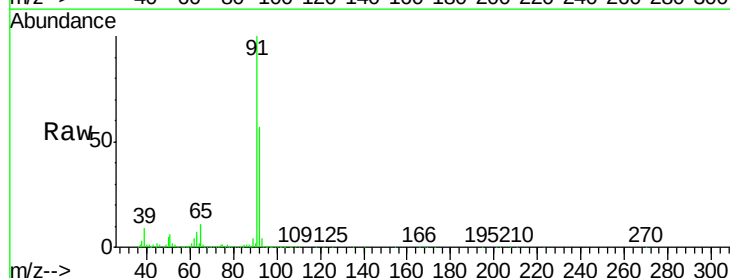
Acq: 12 Feb 2019 13:43

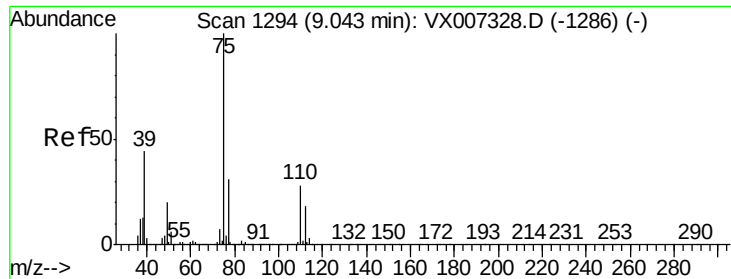
Tgt Ion: 92 Resp: 219388

Ion Ratio Lower Upper

92 100

91 174.6 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 19.808 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 75 Resp: 114804

Ion Ratio Lower Upper

75 100

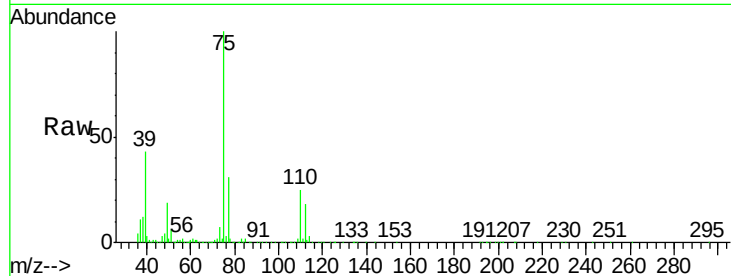
77 30.7 25.2 37.8

Manual Integrations

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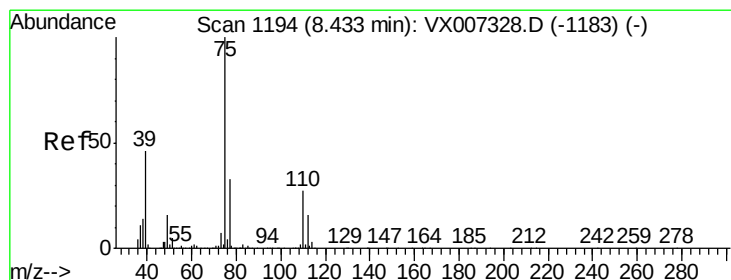
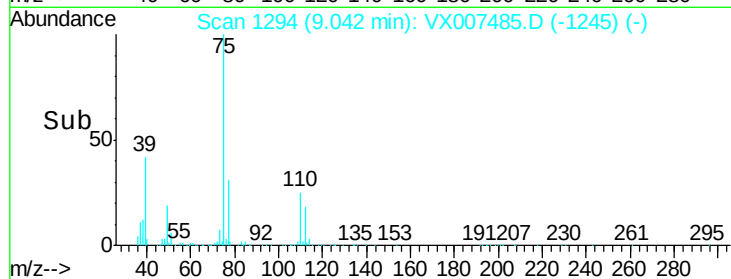
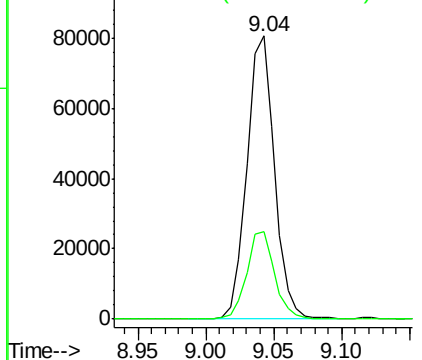
MMDadoda

2/13/2019 12:00:40 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.930 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

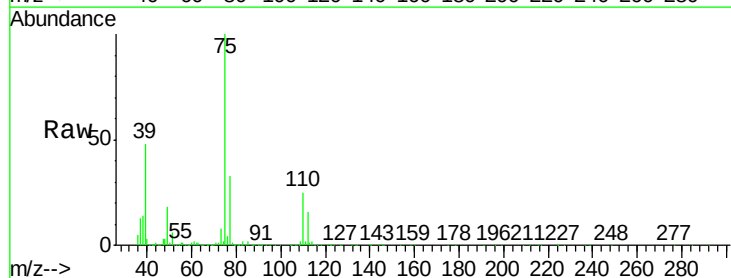
Tgt Ion: 75 Resp: 127028

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.4

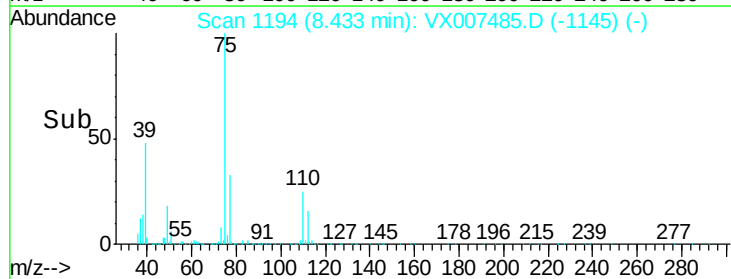
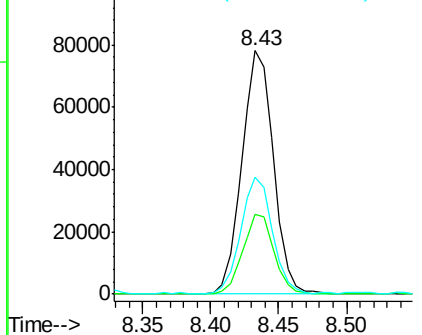
39 47.9 37.1 55.7

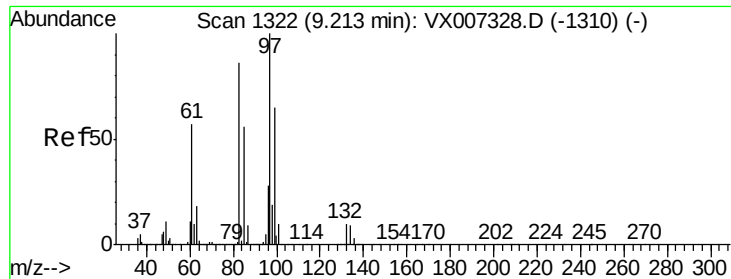


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





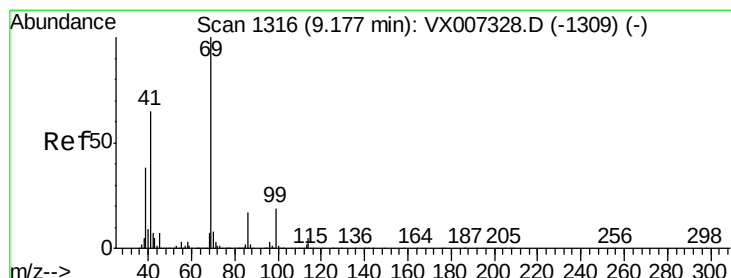
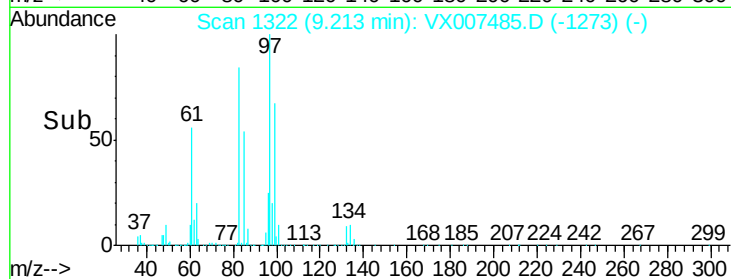
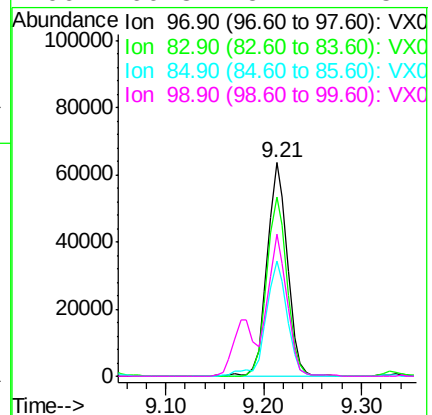
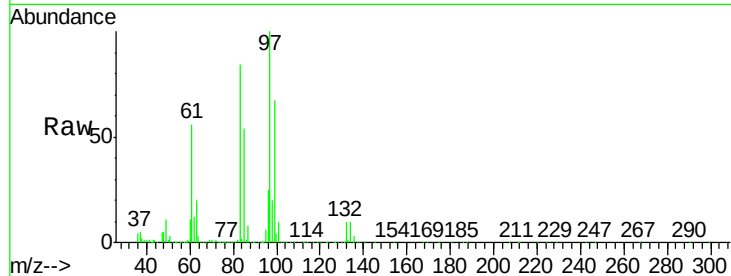
#55
 1,1,2-Trichloroethane
 Concen: 19.516 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		91764		
83	84.0	68.6	102.8		
85	53.8	44.5	66.7		
99	66.8	52.2	78.4		

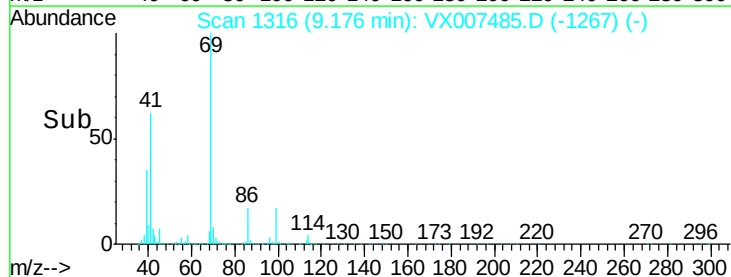
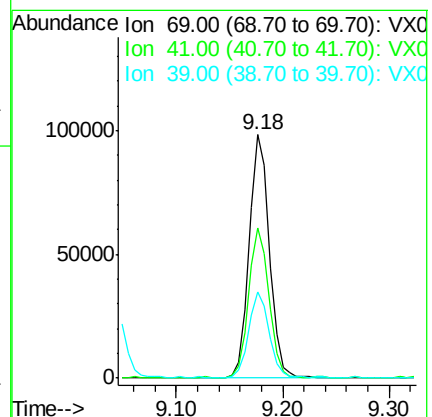
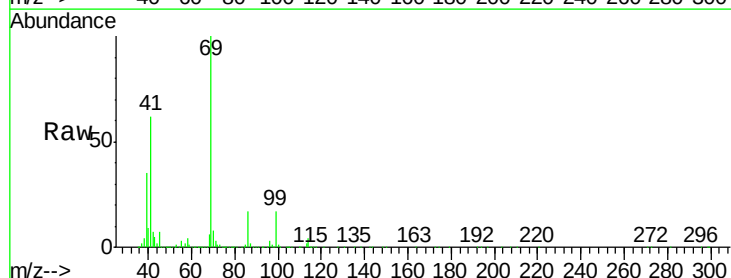
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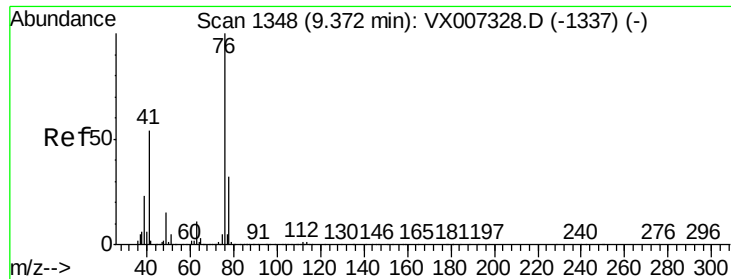
MMDadoda
 2/13/2019 12:00:40 PM



#56
 Ethyl methacrylate
 Concen: 20.261 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		131947		
41	61.5	52.1	78.1		
39	34.9	30.1	45.1		





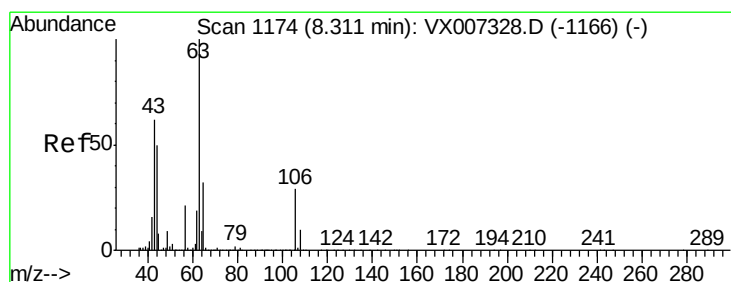
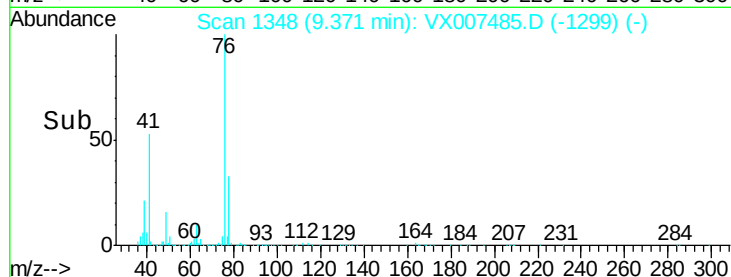
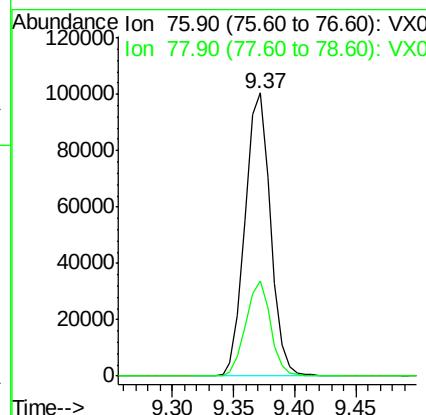
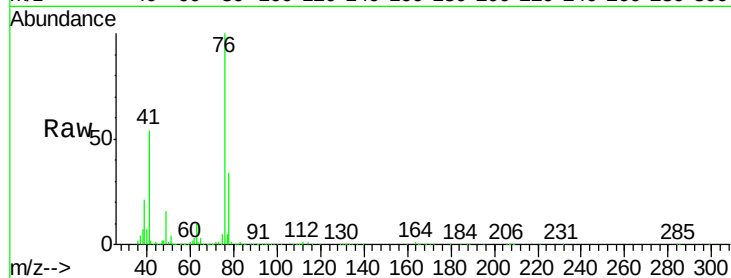
#57
 1,3-Dichloropropane
 Concen: 19.428 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

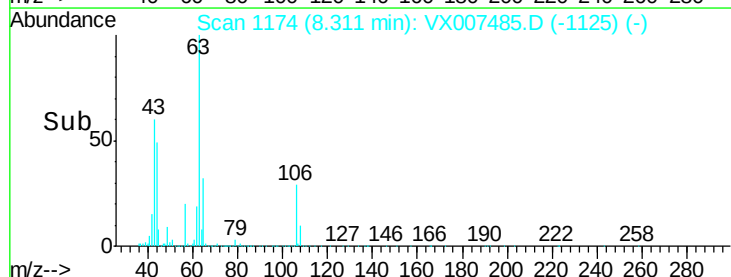
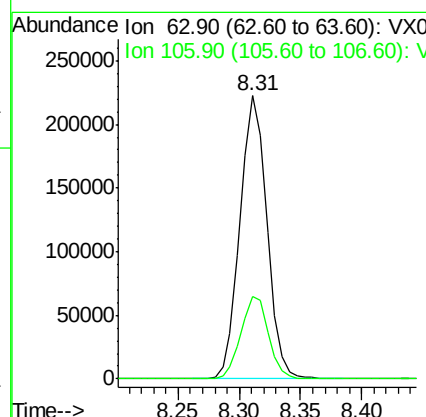
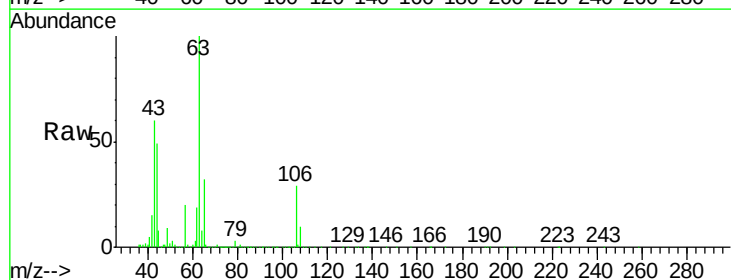
Manual Integrations
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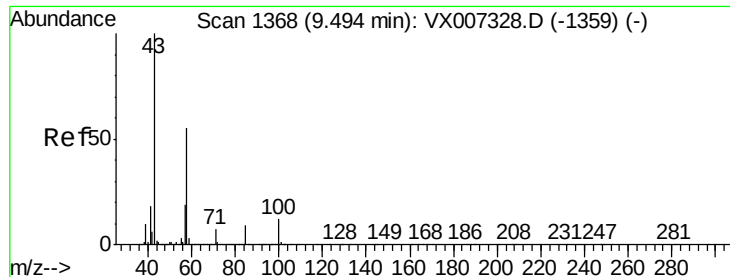
MMDadoda
 2/13/2019 12:00:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.674 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.6	35.4





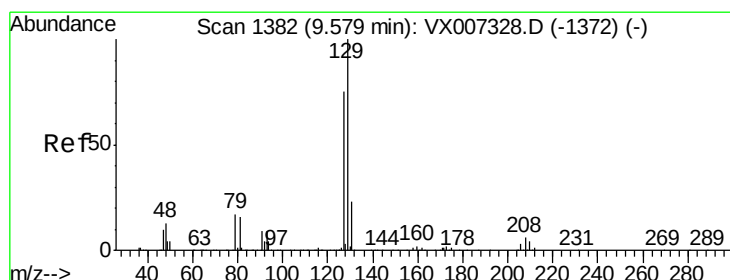
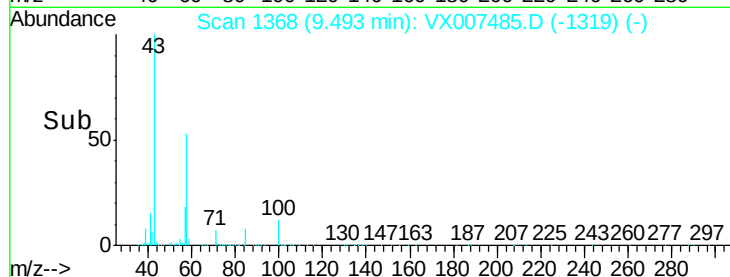
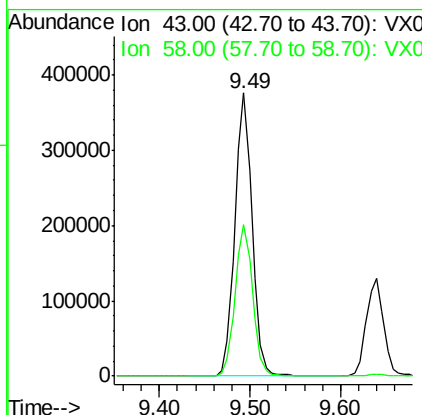
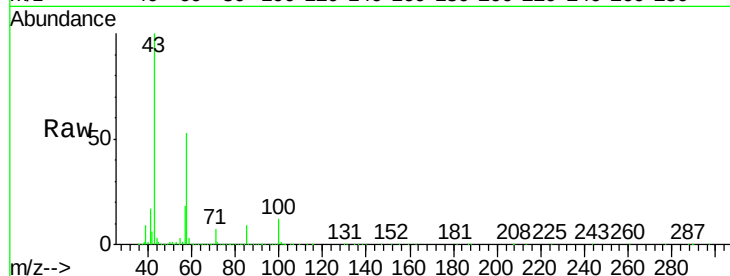
#59
2-Hexanone
Concen: 104.366 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion: 43 Resp: 495112
Ion Ratio Lower Upper
43 100
58 54.5 27.1 81.3

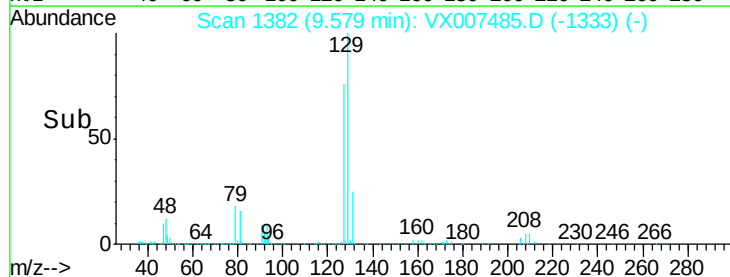
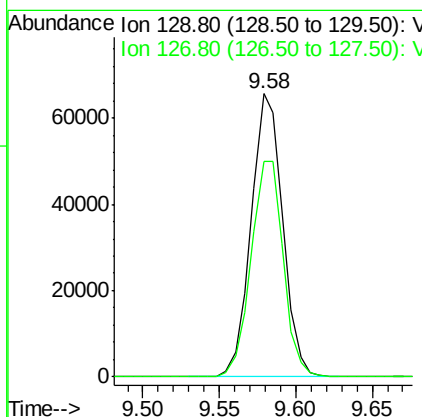
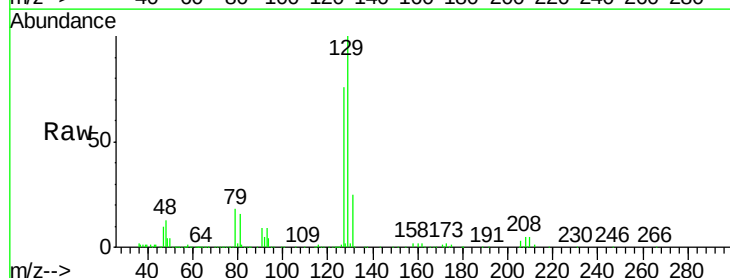
Manual Integrations
APPROVED

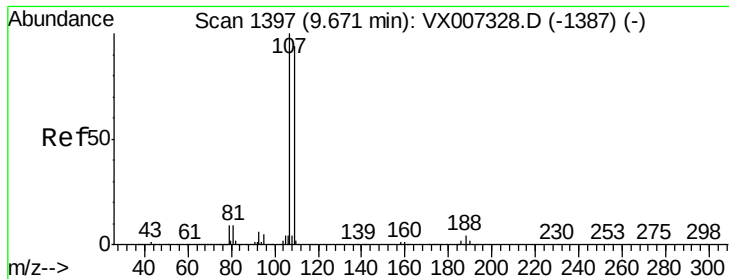
MMDadoda
2/13/2019 12:00:40 PM



#60
Dibromochloromethane
Concen: 21.172 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion: 129 Resp: 94151
Ion Ratio Lower Upper
129 100
127 78.4 37.8 113.4





#61

1,2-Dibromoethane

Concen: 19.828 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion:107 Resp: 98733

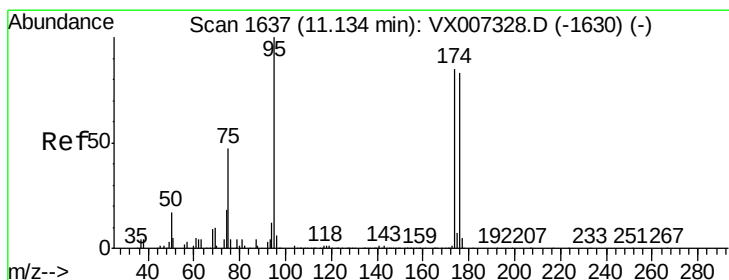
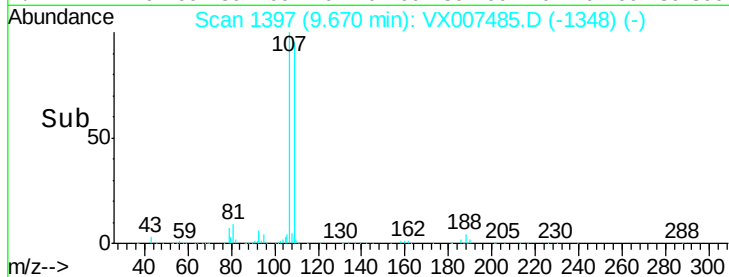
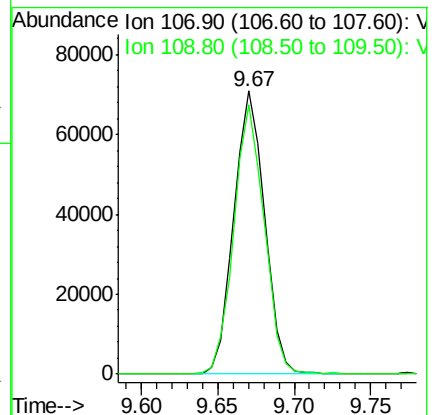
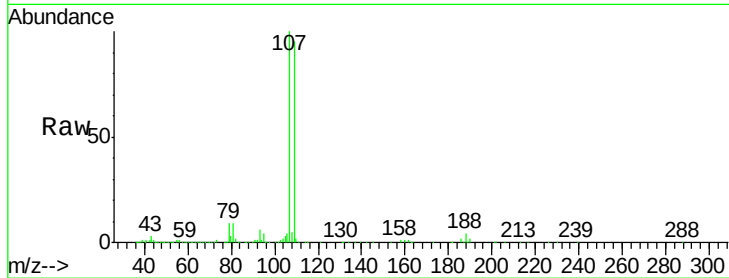
Ion Ratio Lower Upper

107 100

109 94.3 75.1 112.7

Manual Integrations
APPROVED

MMDadoda
2/13/2019 12:00:40 PM



#62

4-Bromofluorobenzene

Concen: 47.129 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

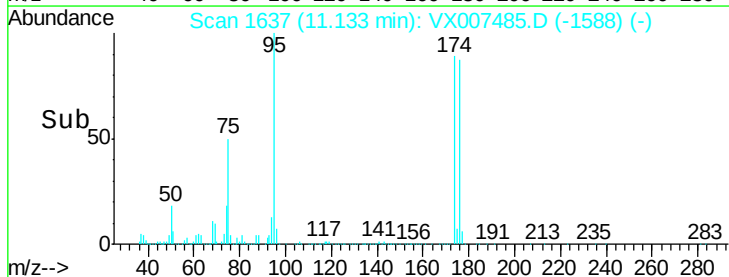
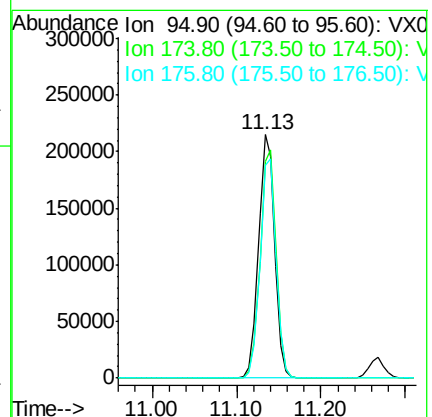
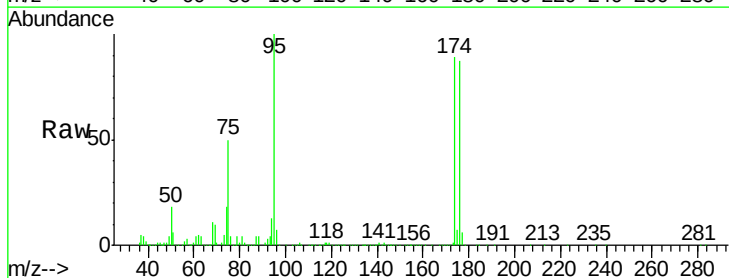
Tgt Ion: 95 Resp: 274775

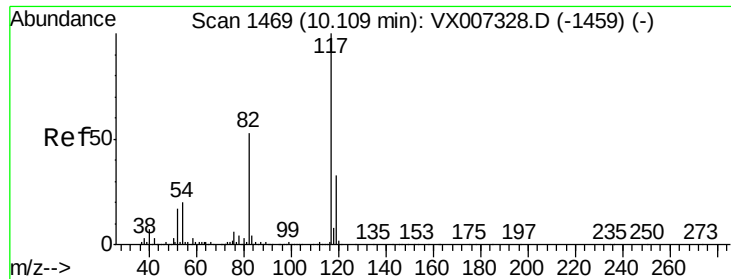
Ion Ratio Lower Upper

95 100

174 93.6 0.0 189.2

176 91.0 0.0 186.2





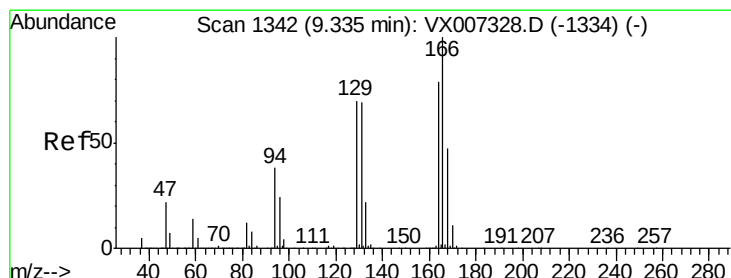
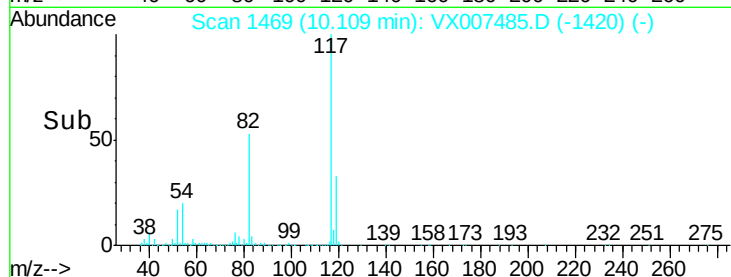
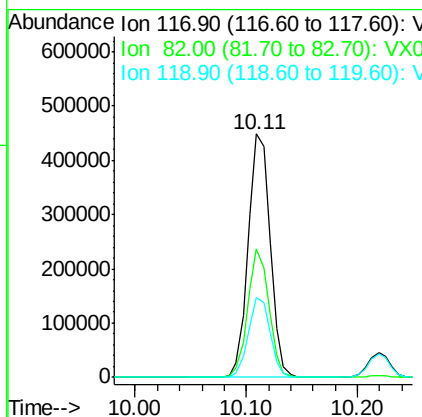
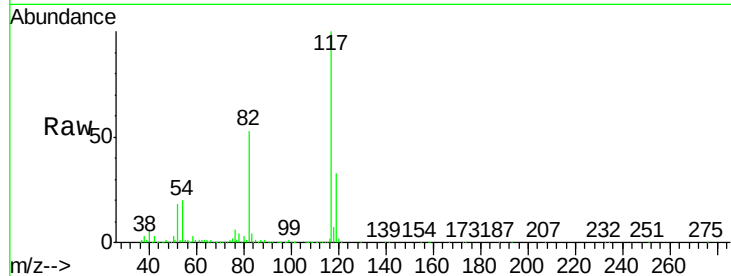
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	33.0	26.5	39.7

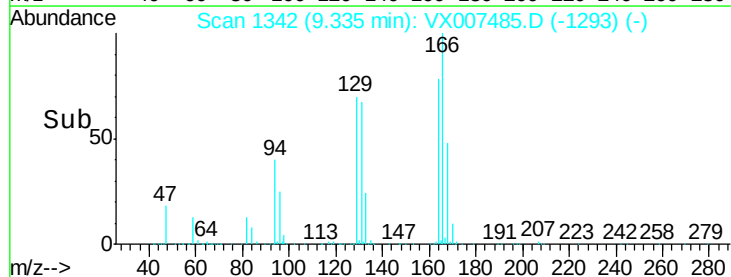
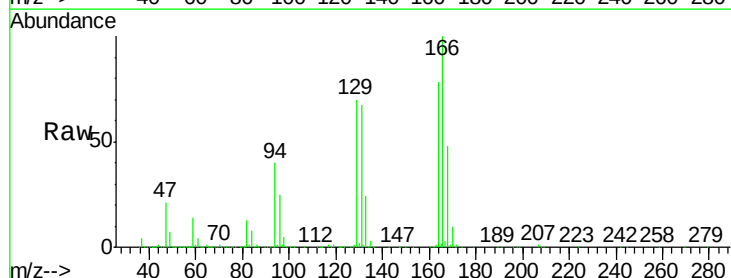
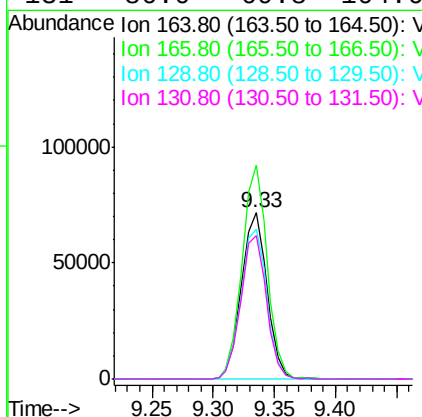
Manual Integrations
APPROVED

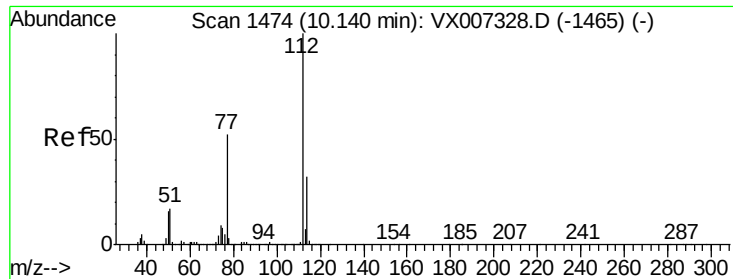
MMDadoda
2/13/2019 12:00:40 PM



#64
Tetrachloroethene
Concen: 17.879 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.0	151.4
129	90.0	70.5	105.7
131	86.0	69.8	104.6





#65

Chlorobenzene

Concen: 19.050 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion:112 Resp: 256749

Ion Ratio Lower Upper

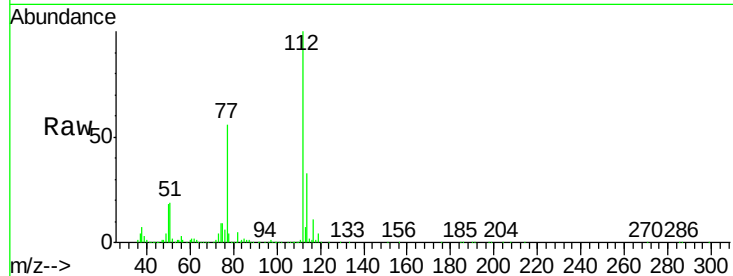
112 100

114 32.6 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

2/13/2019 12:00:40 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

100000

50000

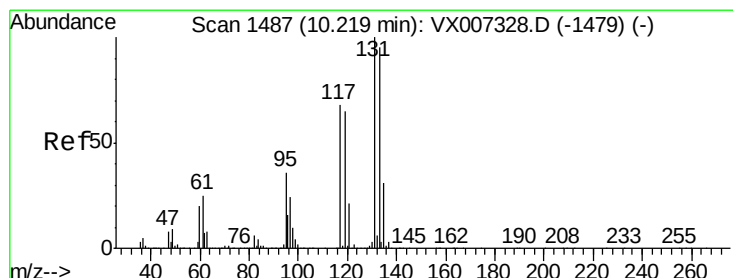
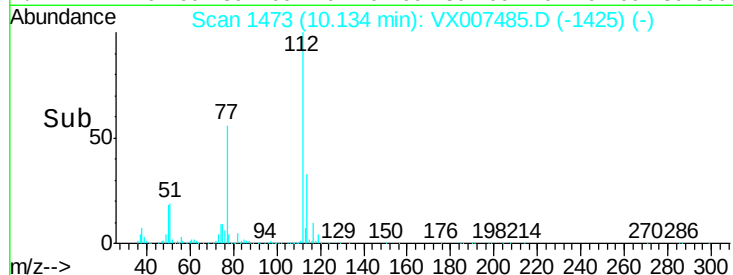
0

10.10

10.13

10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.296 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

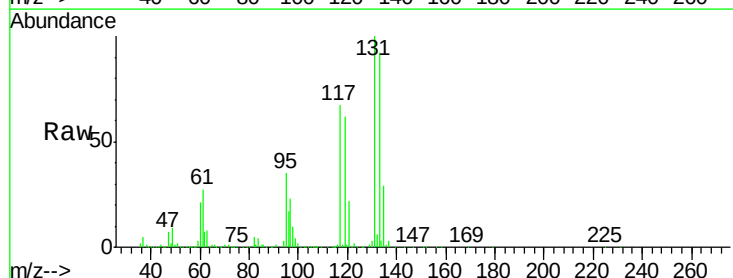
Tgt Ion:131 Resp: 91707

Ion Ratio Lower Upper

131 100

133 93.6 48.0 144.2

119 64.4 32.0 96.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

60000

40000

20000

0

10.15

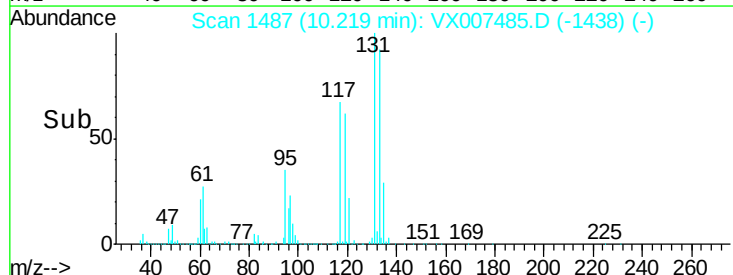
10.20

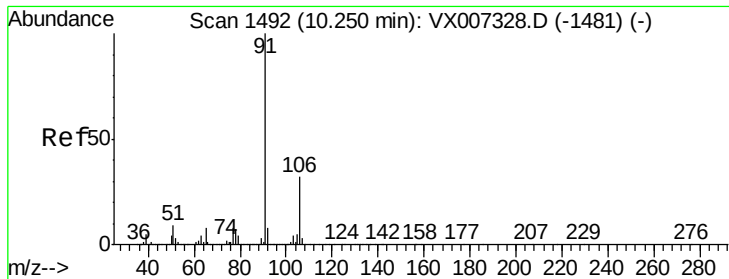
10.22

10.25

10.30

Time-->





#67

Ethyl Benzene

Concen: 19.229 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampled :

VX0212WBS01

Tot Ion: 91 Resp: 417340

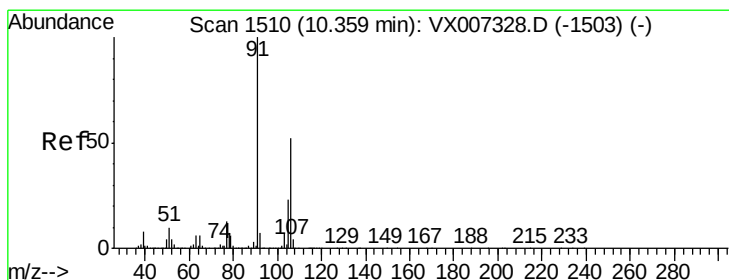
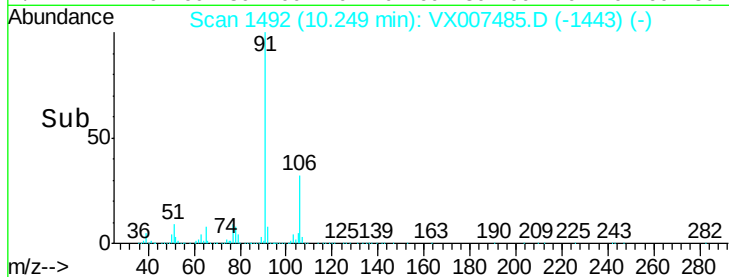
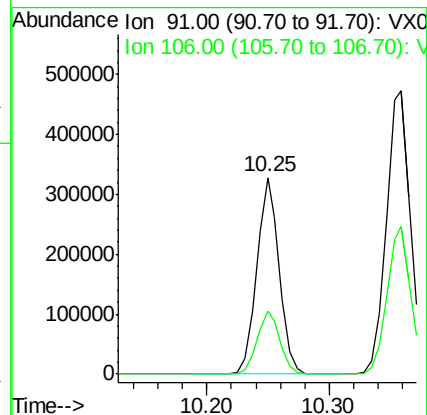
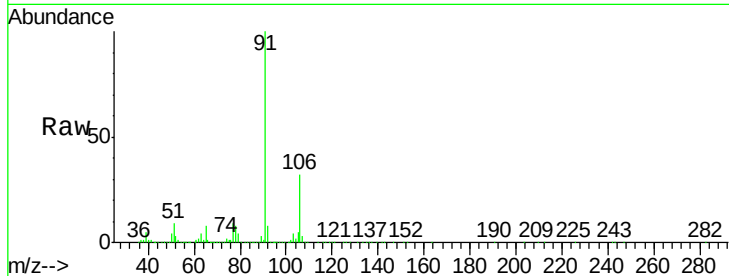
Ion Ratio Lower Upper

91 100

106 32.0 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/13/2019 12:00:40 PM



#68

m/p-Xylenes

Concen: 38.490 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007485.D

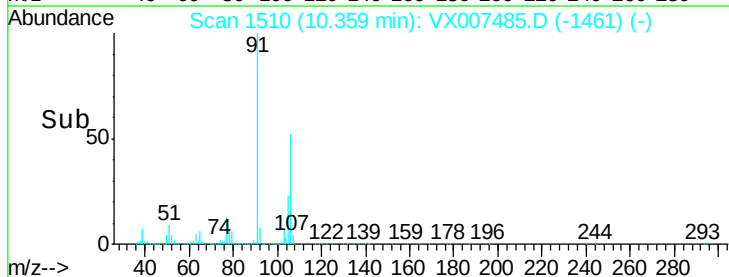
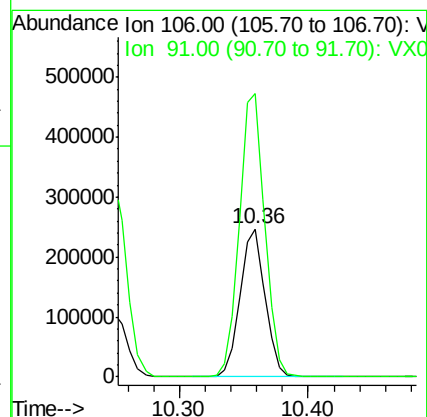
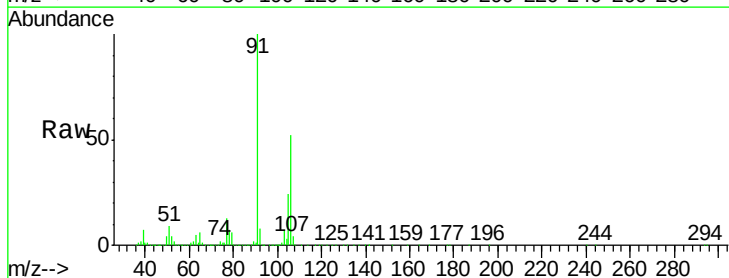
Acq: 12 Feb 2019 13:43

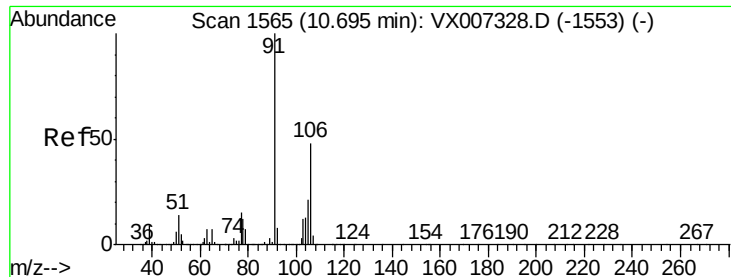
Tgt Ion: 106 Resp: 332070

Ion Ratio Lower Upper

106 100

91 195.4 156.6 234.8





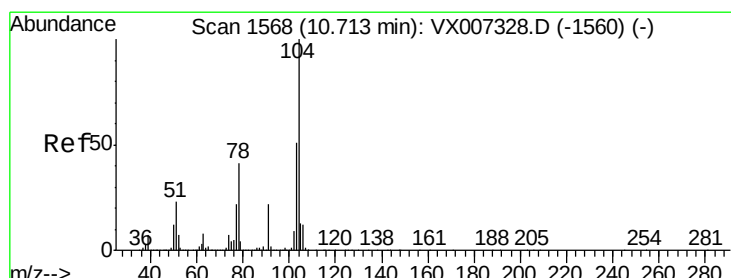
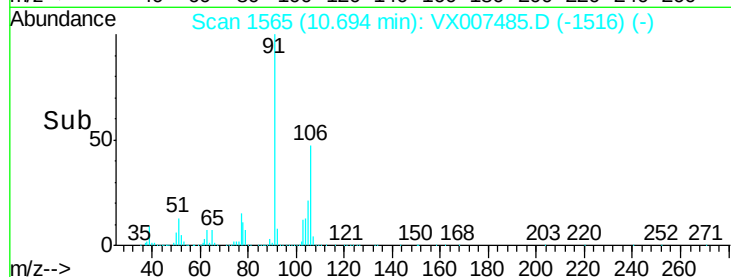
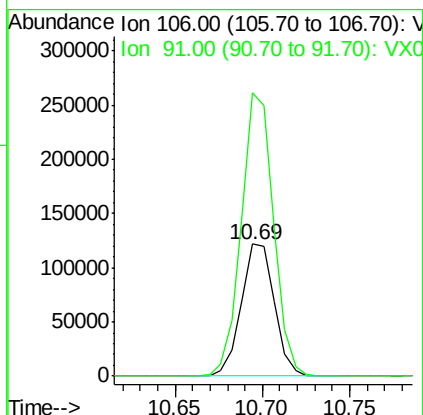
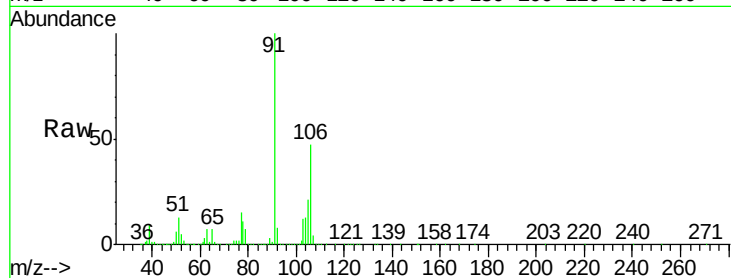
#69
o-Xylene
Concen: 19.320 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		160390		
91	208.6	102.9	308.7		

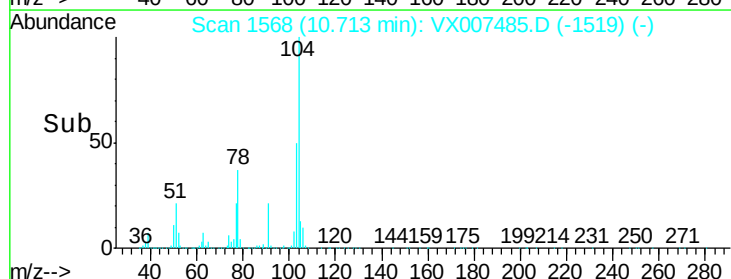
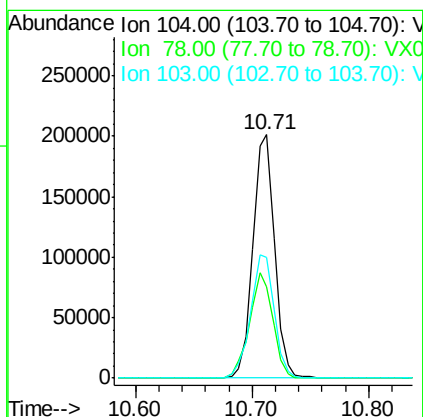
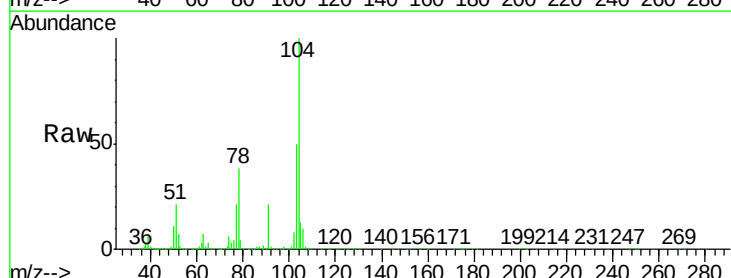
Manual Integrations
APPROVED

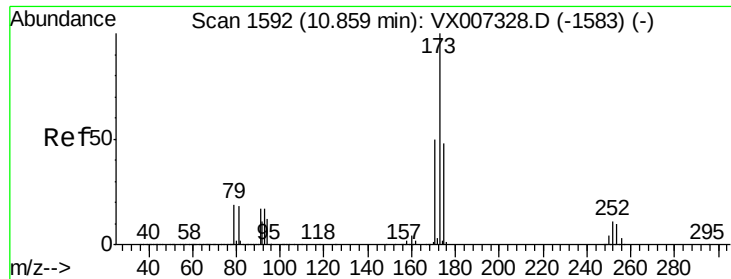
MMDadoda
2/13/2019 12:00:40 PM



#70
Styrene
Concen: 19.510 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		262681		
78	46.8	38.3	57.5		
103	55.4	44.6	67.0		





#71

Bromoform

Concen: 20.049 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

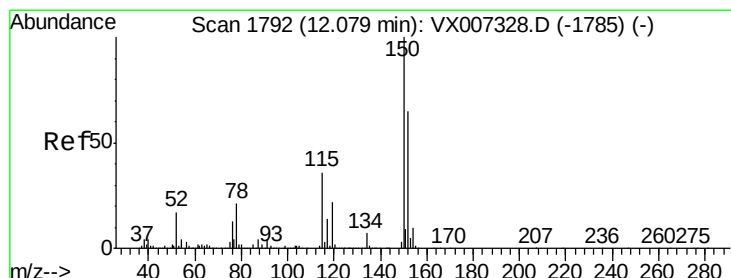
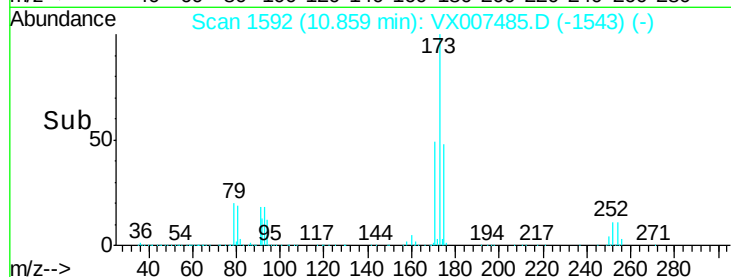
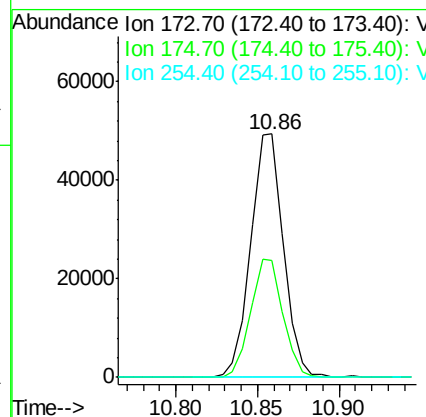
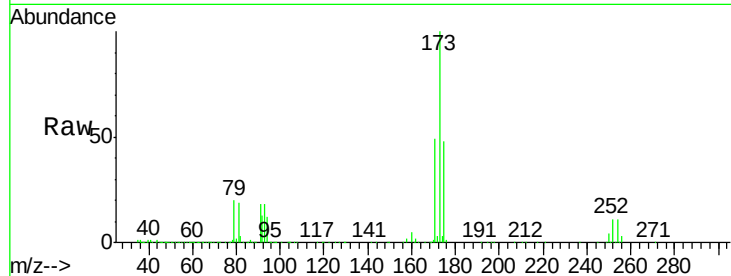
ClientSampleId :

VX0212WBS01

Tot Ion:	173	Resp:	69051
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.2	72.6
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
2/13/2019 12:00:40 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

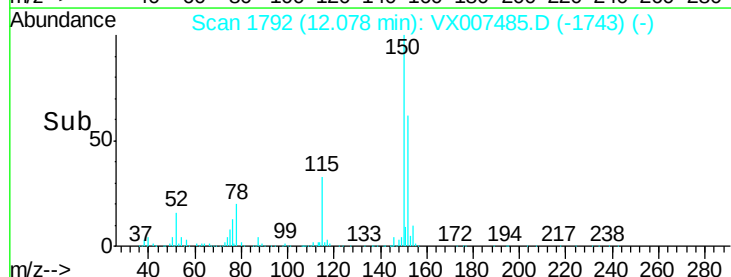
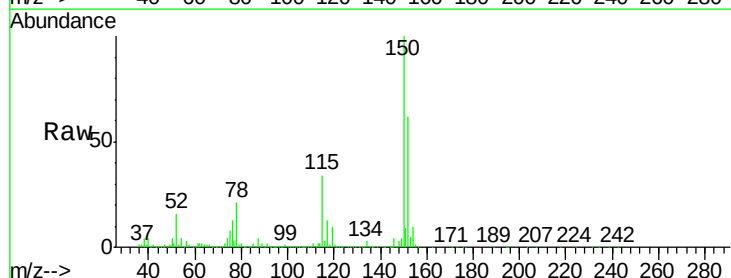
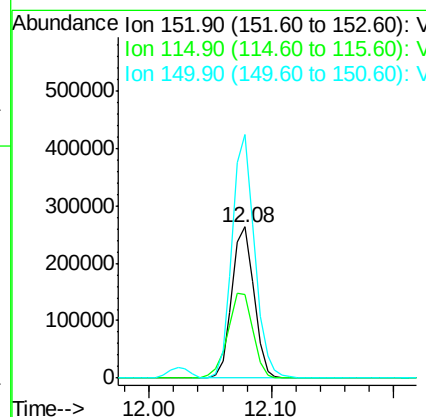
RT: 12.08 min Scan# 1792

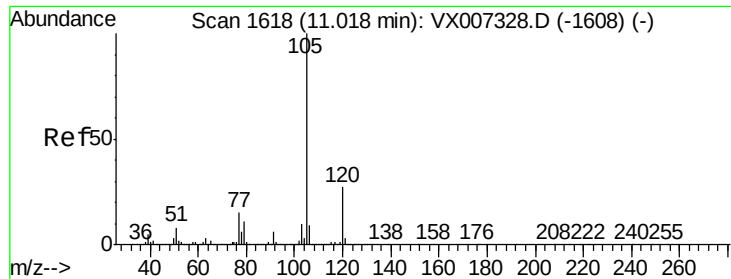
Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Tgt Ion:	152	Resp:	327240
Ion Ratio	Lower	Upper	
152	100		
115	64.1	38.0	114.0
150	164.4	0.0	346.4





#73

Isopropylbenzene

Concen: 19.839 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 105 Resp: 441182

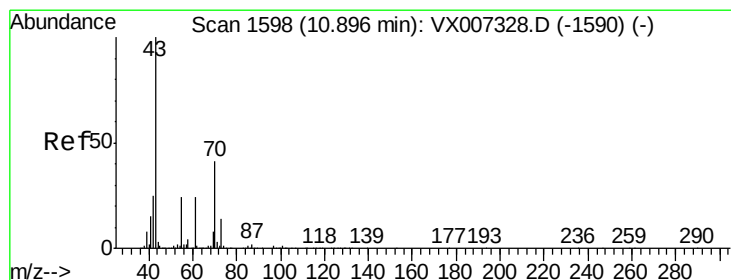
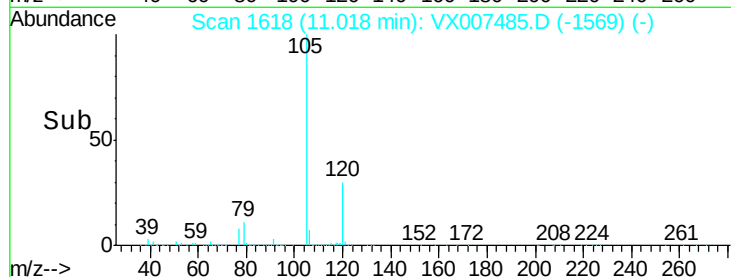
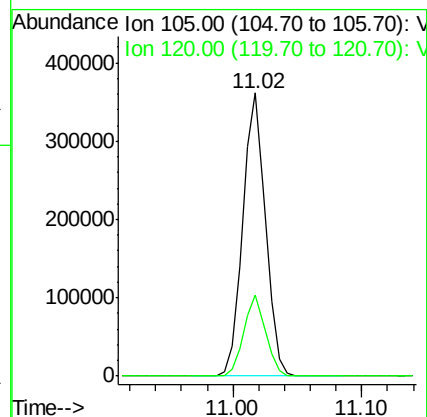
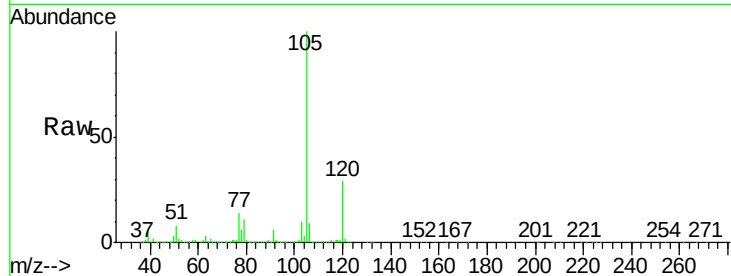
Ion Ratio Lower Upper

105 100

120 27.6 13.6 40.7

Manual Integrations
APPROVED

MMDadoda
2/13/2019 12:00:40 PM



#74

N-ethyl acetate

Concen: 19.551 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Tgt Ion: 43 Resp: 168161

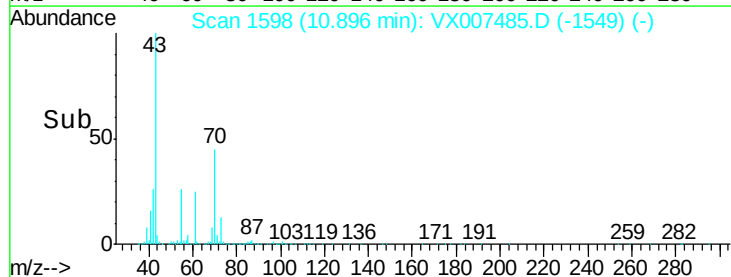
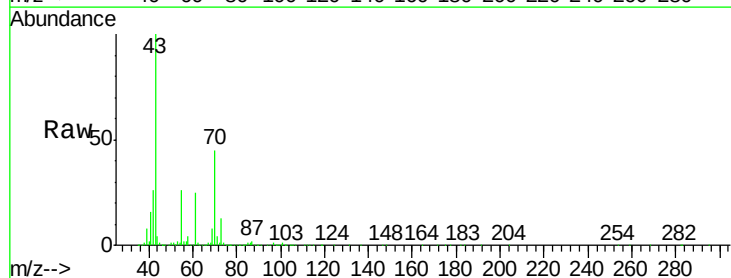
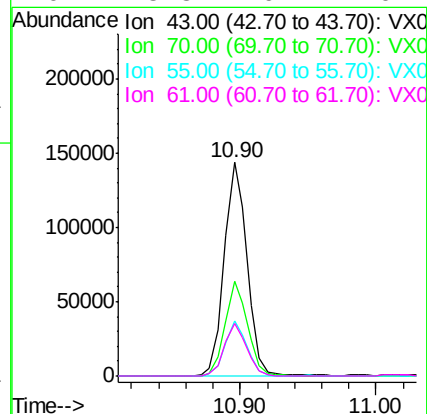
Ion Ratio Lower Upper

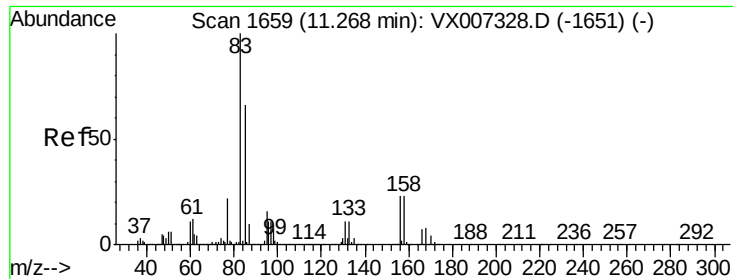
43 100

70 43.8 33.8 50.6

55 25.4 19.5 29.3

61 23.8 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.583 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

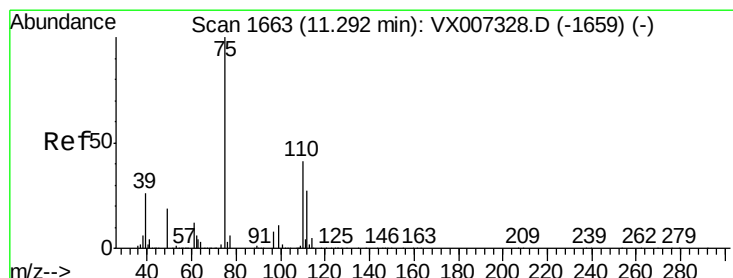
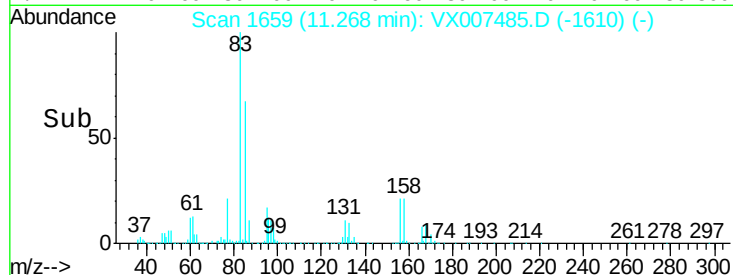
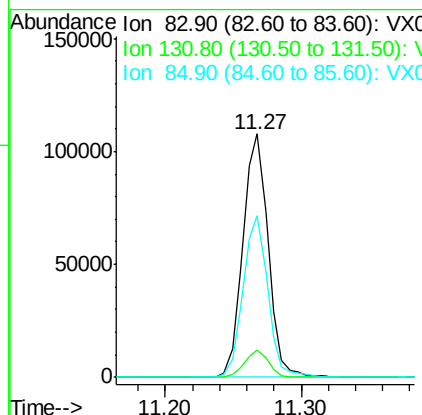
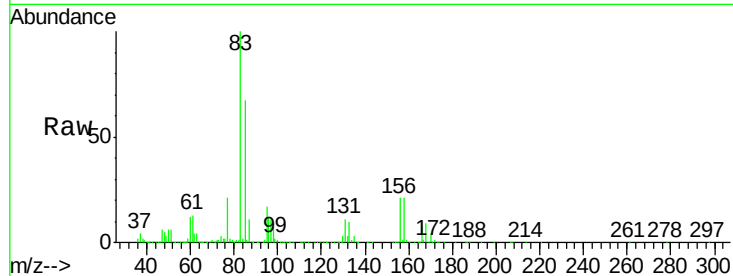
ClientSampleId :

VX0212WBS01

Tot Ion:	83	Resp:	139497
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.0
85	65.2	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
2/13/2019 12:00:40 PM



#76

1,2,3-Trichloropropane

Concen: 20.611 ug/l m

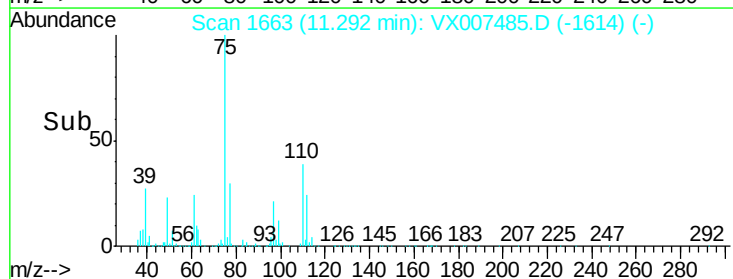
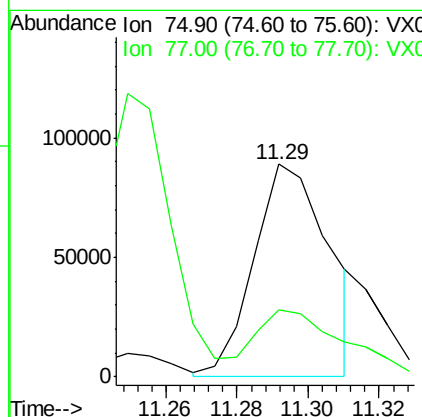
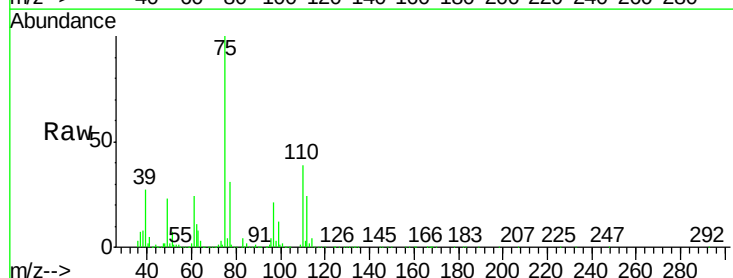
RT: 11.29 min Scan# 1663

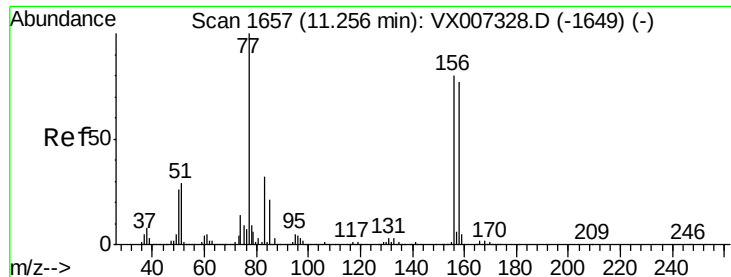
Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Tgt Ion:	75	Resp:	131194
Ion Ratio	Lower	Upper	
75	100		
77	38.5	23.0	69.0





#77

Bromobenzene

Concen: 18.951 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion:156 Resp: 118740

Ion Ratio Lower Upper

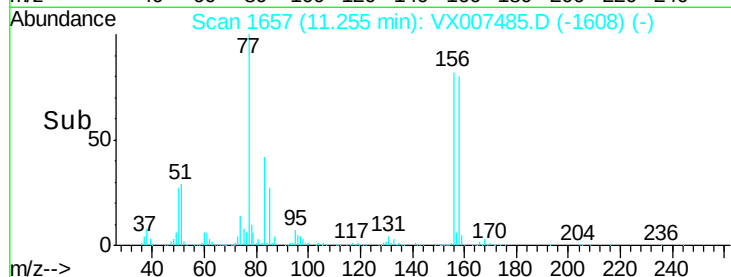
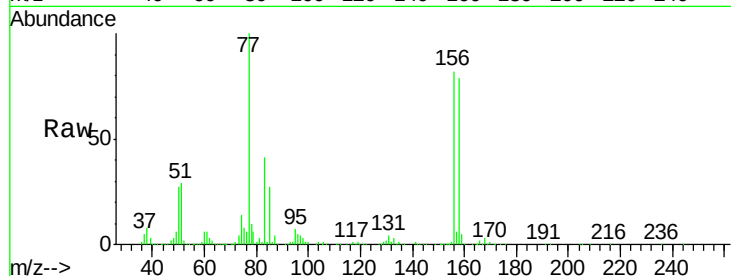
156 100

77 133.3 66.8 200.6

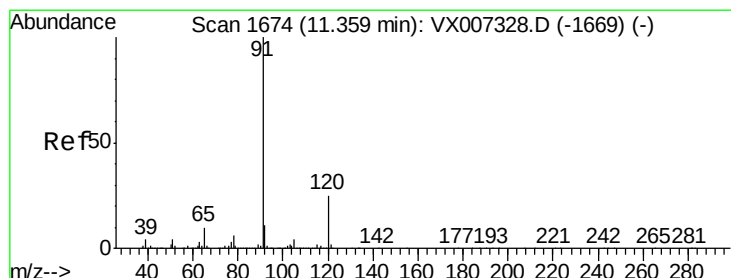
158 97.6 47.9 143.8

Manual Integrations
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MMDadoda
2/13/2019 12:00:40 PM



Time--> 11.10 11.20 11.30



#78

n-propylbenzene

Concen: 20.203 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007485.D

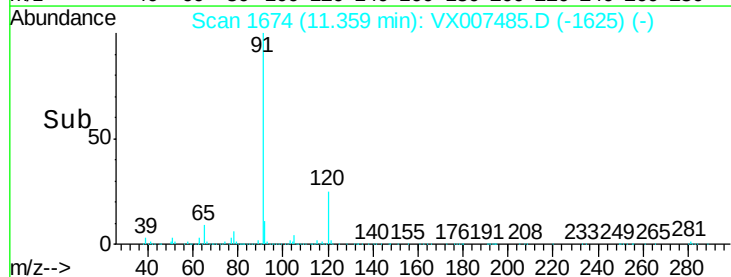
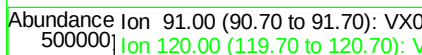
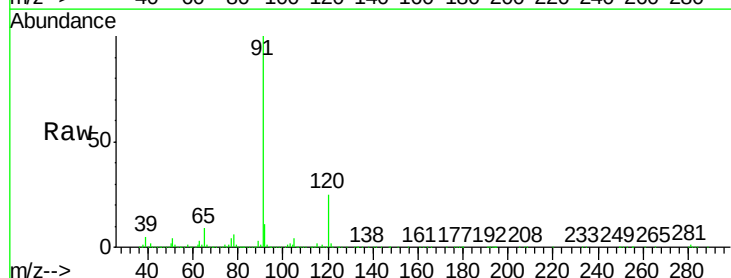
Acq: 12 Feb 2019 13:43

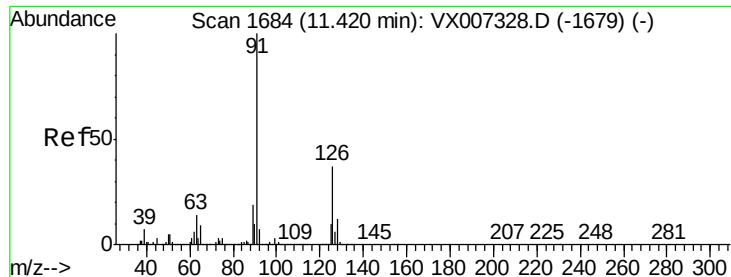
Tgt Ion: 91 Resp: 492640

Ion Ratio Lower Upper

91 100

120 24.4 12.4 37.2





#79

2-Chlorotoluene

Concen: 19.590 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 91 Resp: 289862

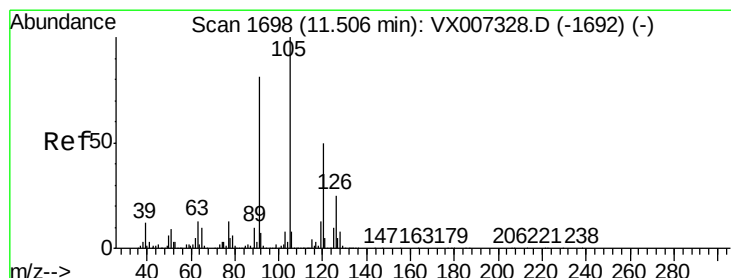
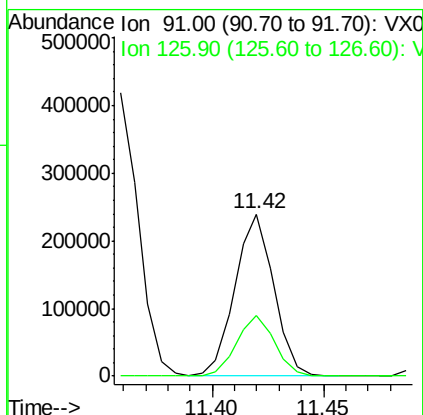
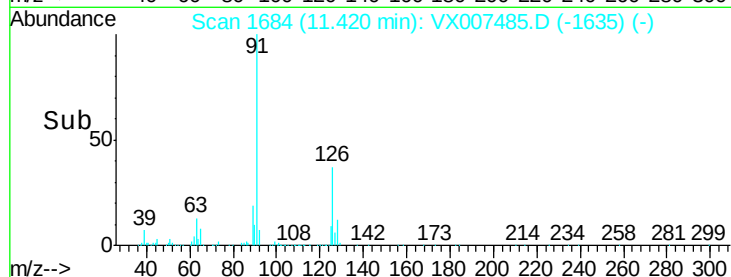
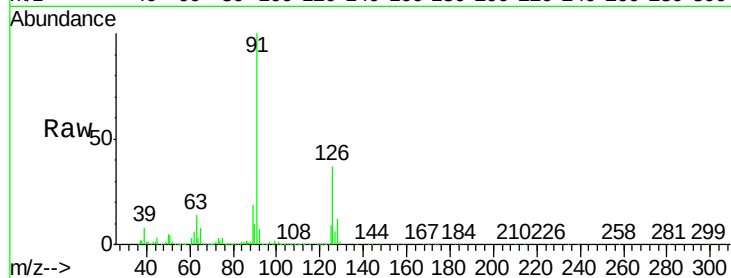
Ion Ratio Lower Upper

91 100

126 37.0 18.7 56.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.745 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007485.D

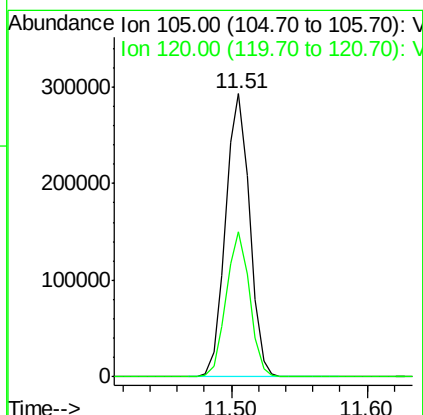
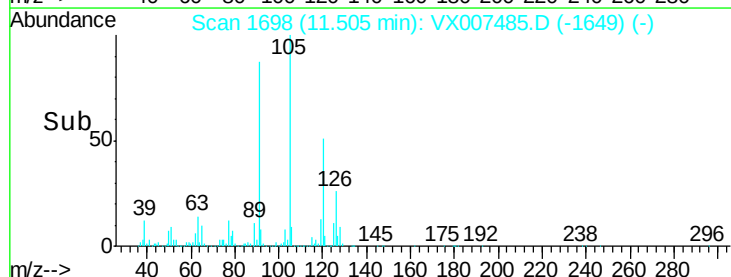
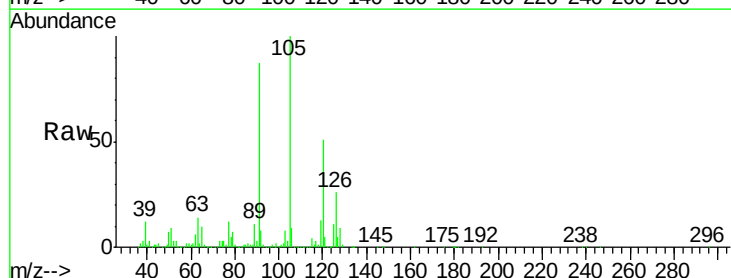
Acq: 12 Feb 2019 13:43

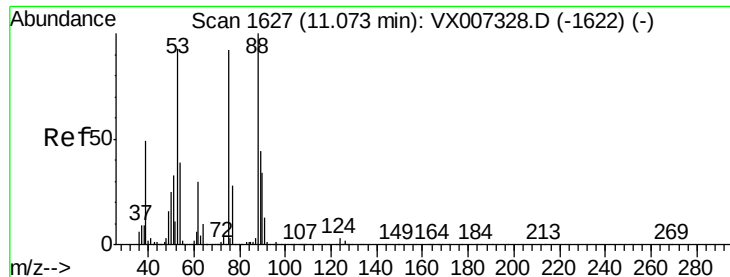
Tgt Ion: 105 Resp: 359215

Ion Ratio Lower Upper

105 100

120 50.0 25.3 75.8





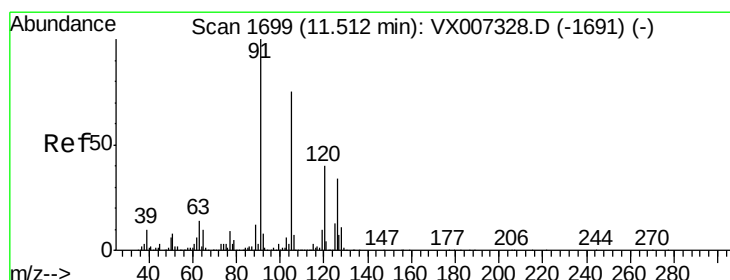
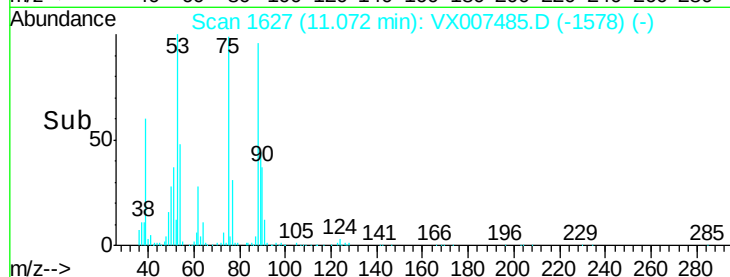
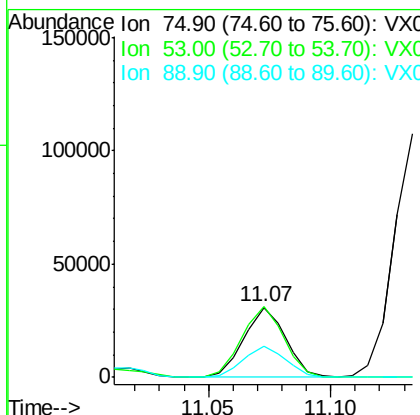
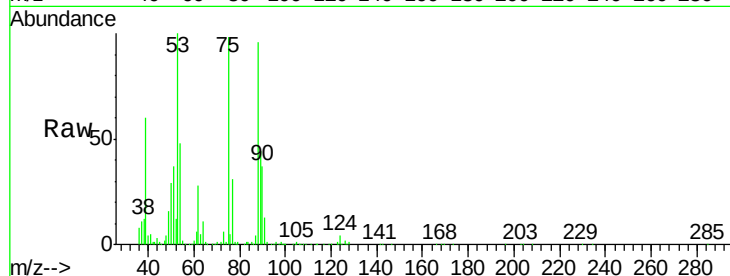
#81
trans-1,4-Dichloro-2-butene
Concen: 20.479 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.6	81.0	121.6
89	46.1	41.4	62.0

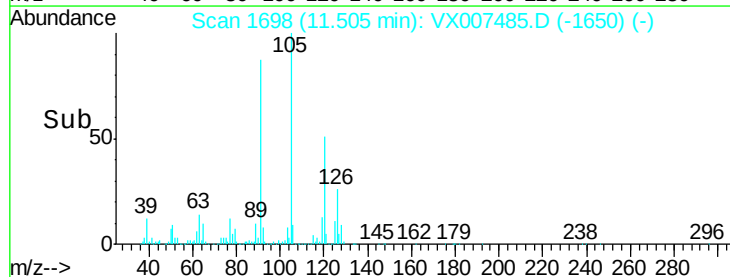
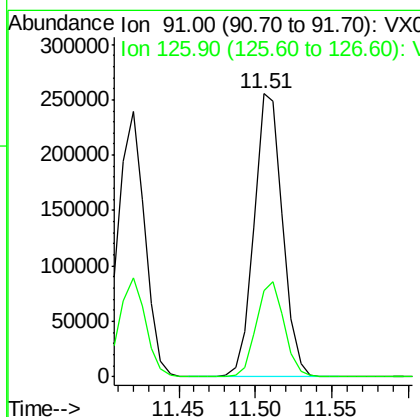
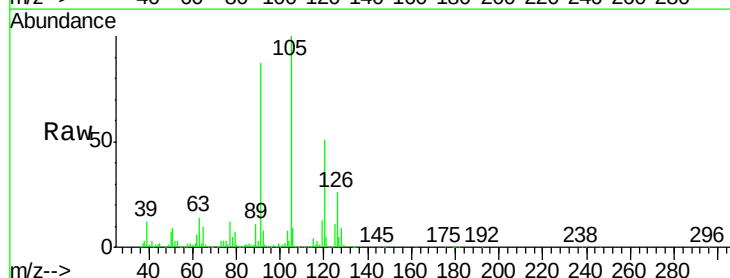
Manual Integrations
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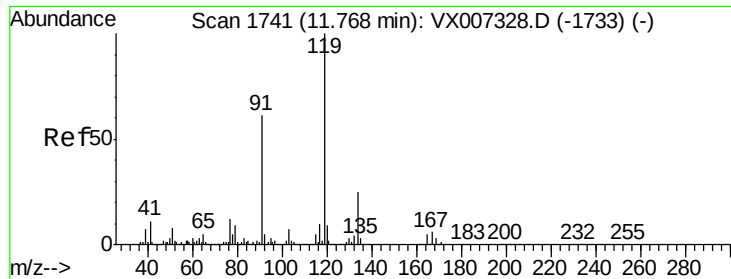
MMDadoda
2/13/2019 12:00:40 PM



#82
4-Chlorotoluene
Concen: 19.185 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.2	48.5





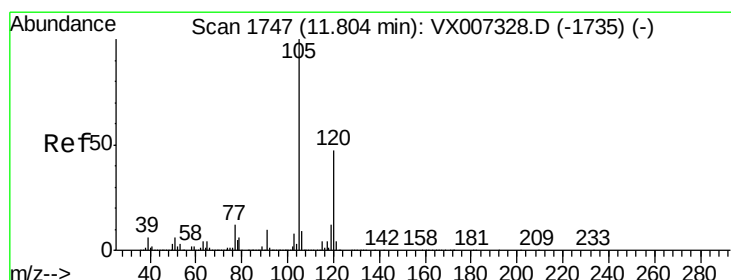
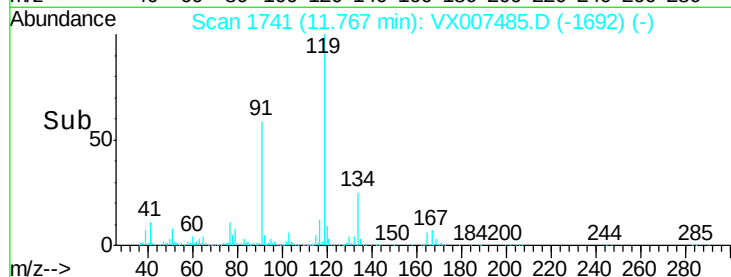
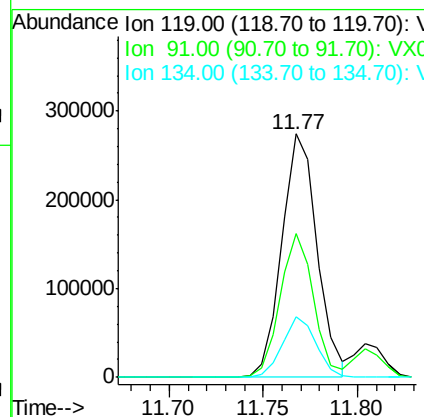
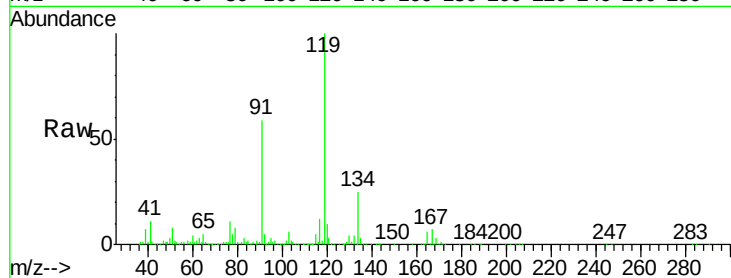
#83
 tert-Butylbenzene
 Concen: 19.733 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	355430		
91	56.2	28.5	85.6	
134	24.0	12.0	36.0	

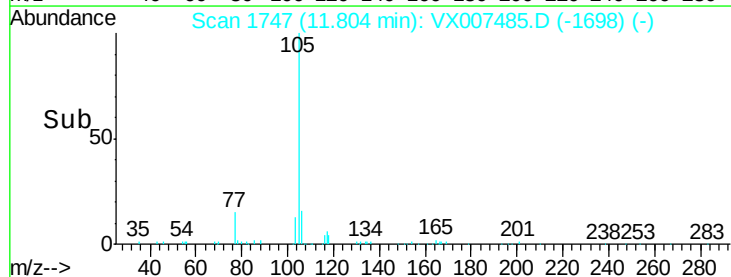
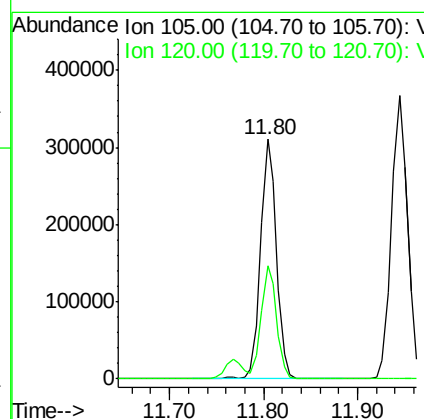
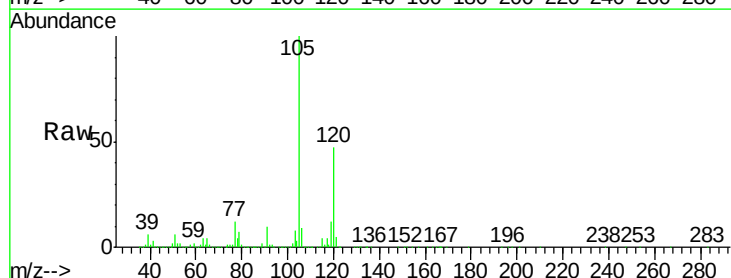
Manual Integrations
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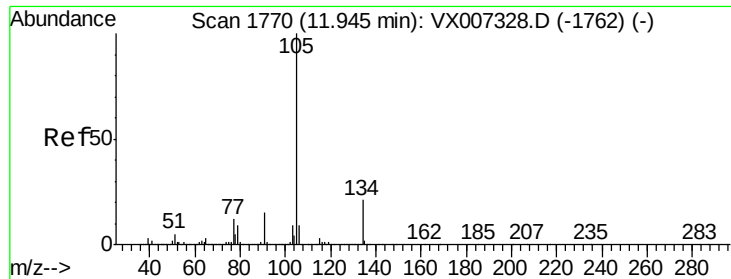
MMDadoda
 2/13/2019 12:00:40 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.072 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	370729		
120	45.5	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.078 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

Instrument :

MSVOA_X

ClientSampled :

VX0212WBS01

Tot Ion:105 Resp: 437719

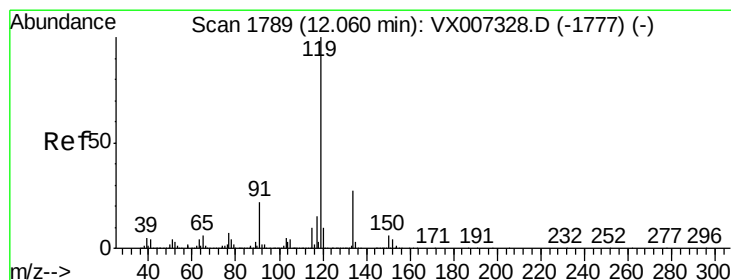
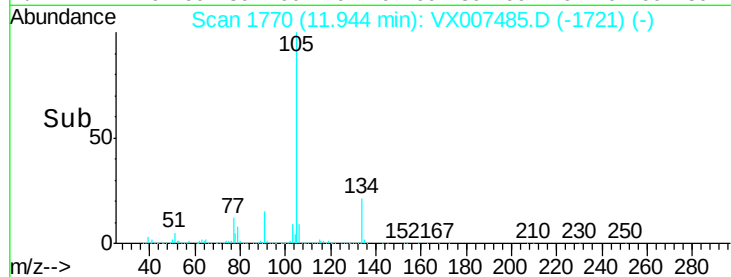
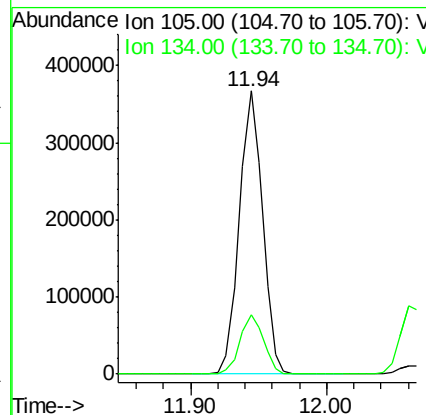
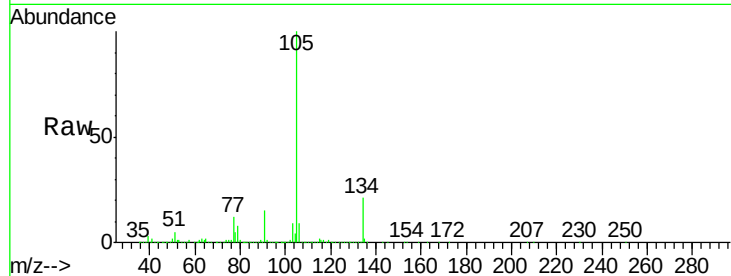
Ion Ratio Lower Upper

105 100

134 21.4 10.6 31.8

Manual Integrations
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MMDadoda
2/13/2019 12:00:40 PM



#86

p-Isopropyltoluene

Concen: 19.754 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007485.D

Acq: 12 Feb 2019 13:43

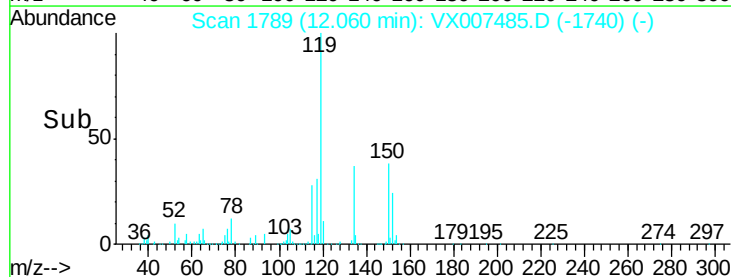
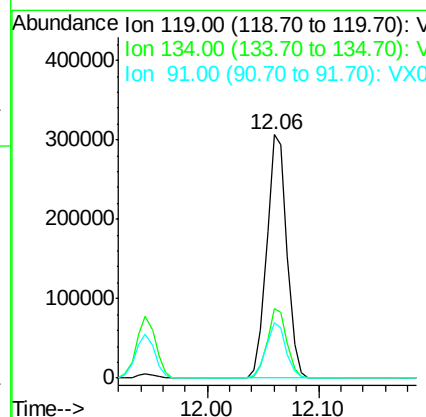
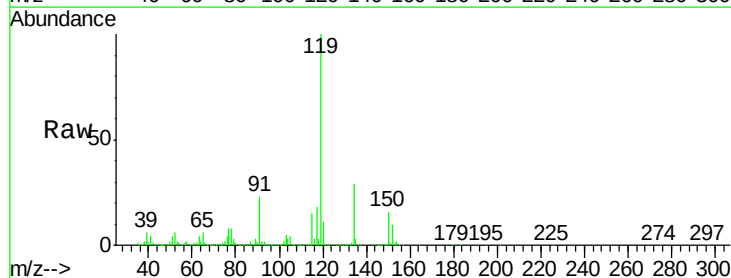
Tgt Ion:119 Resp: 388749

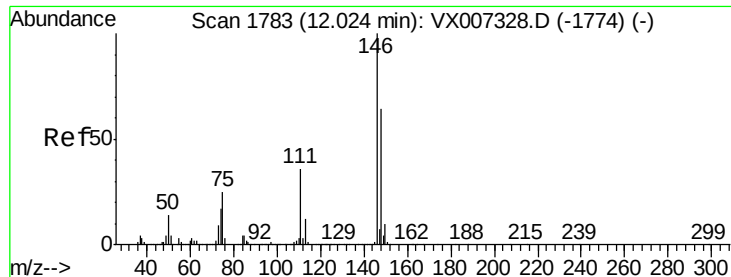
Ion Ratio Lower Upper

119 100

134 27.9 13.7 41.1

91 22.5 11.2 33.5





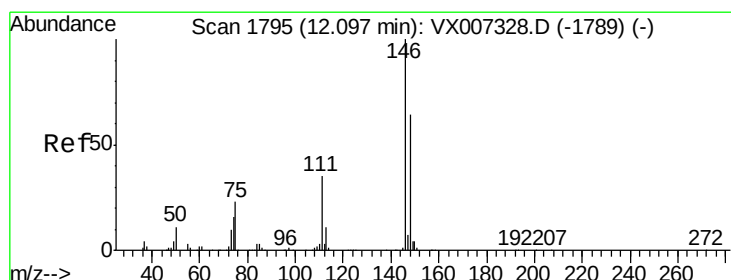
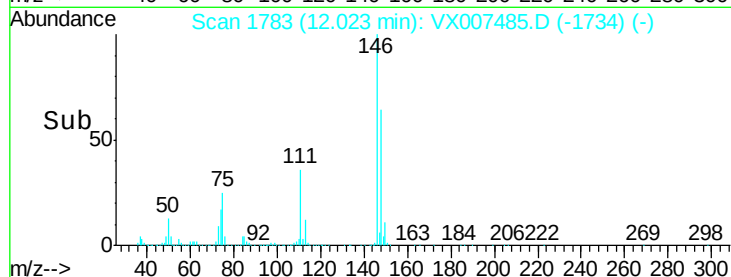
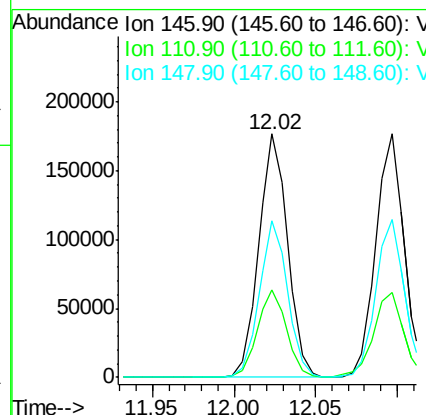
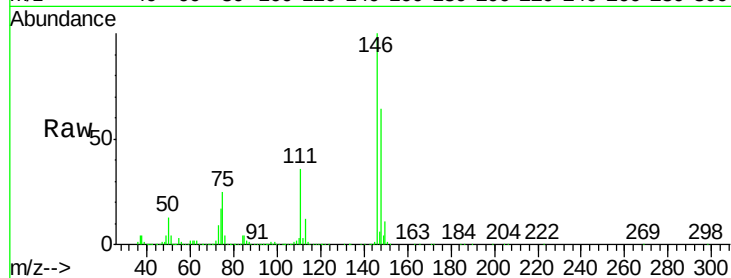
#87
 1,3-Dichlorobenzene
 Concen: 19.282 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	63.1	32.0	96.2

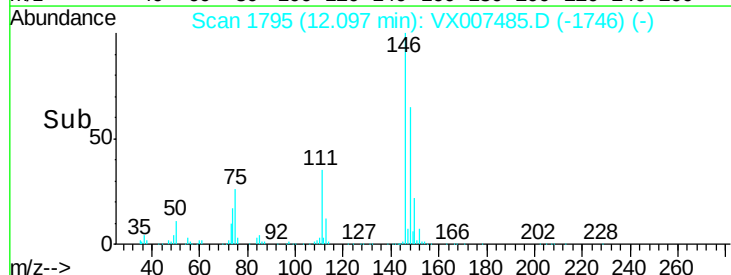
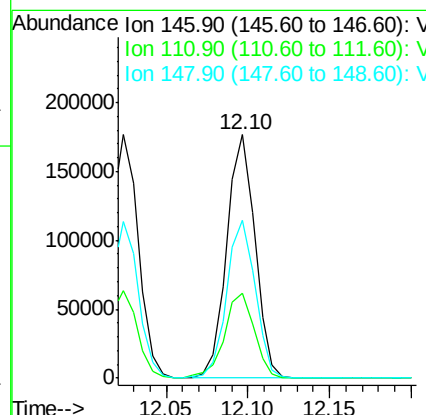
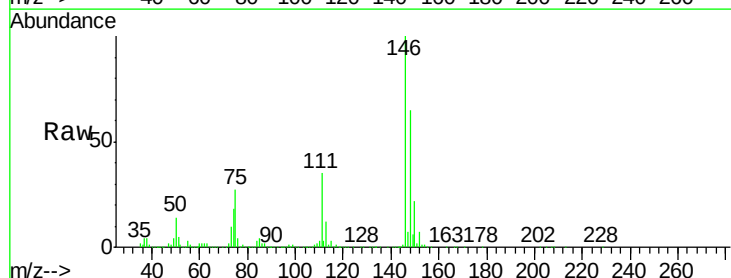
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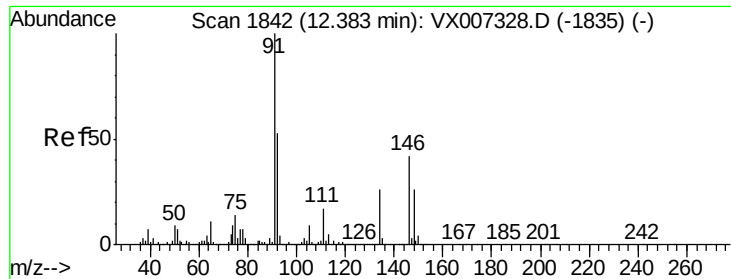
MMDadoda
 2/13/2019 12:00:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.701 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.1
148	65.9	32.3	96.9





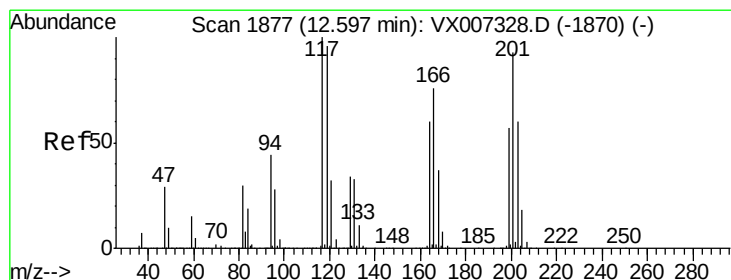
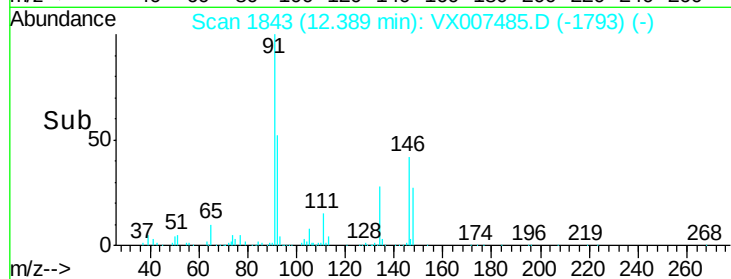
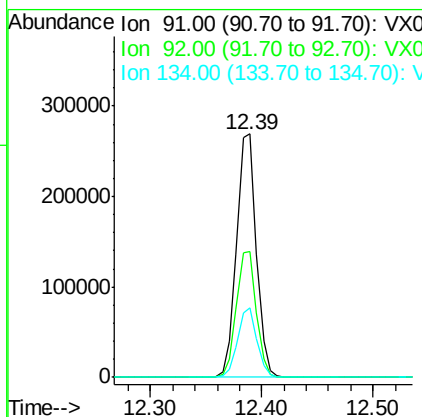
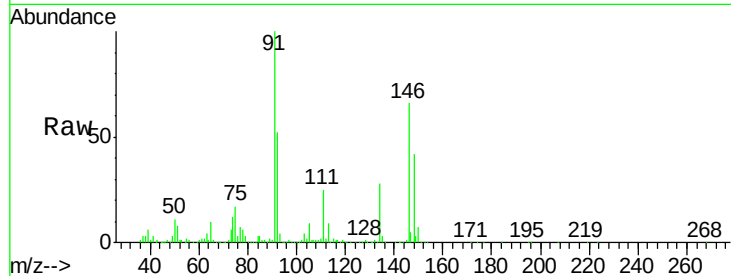
#89
n-Butylbenzene
Concen: 19.615 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.0	26.3	78.9	
134	27.7	13.9	41.6	

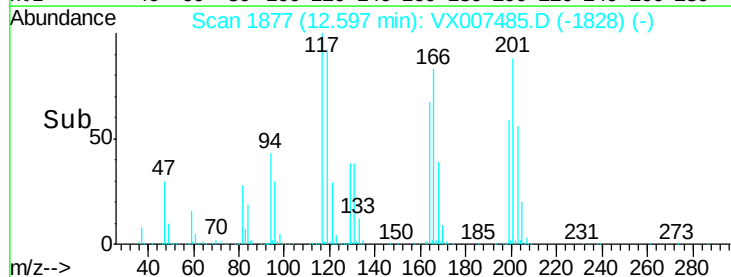
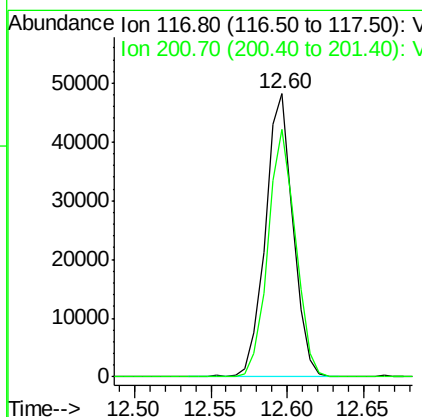
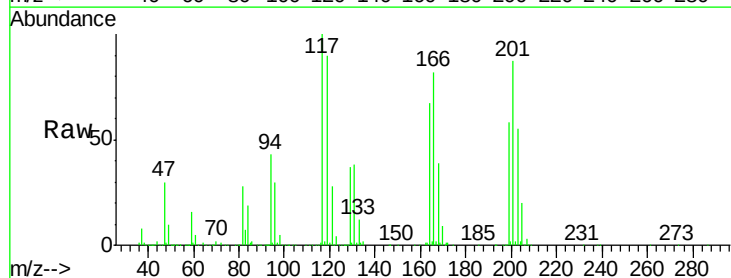
Manual Integrations
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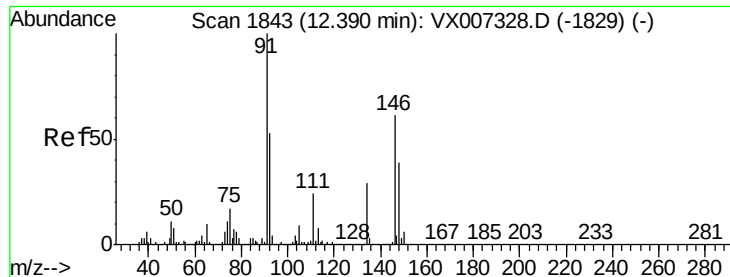
MMDadoda
2/13/2019 12:00:40 PM



#90
Hexachloroethane
Concen: 20.744 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.8	44.9	134.7	





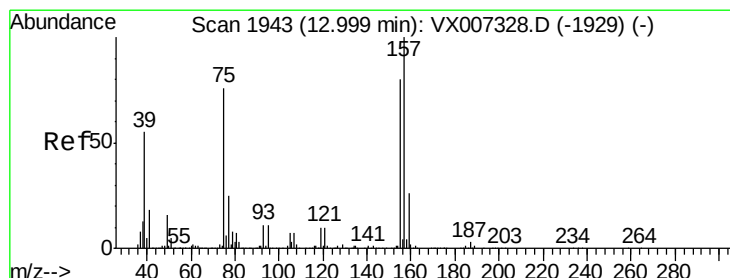
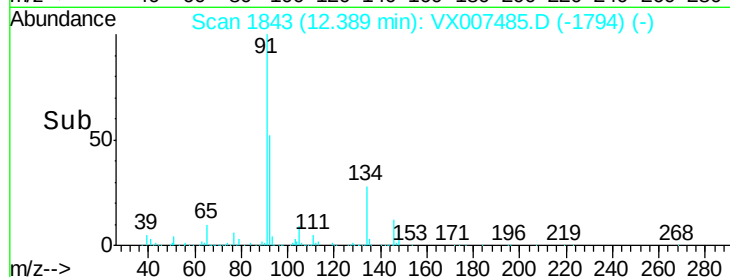
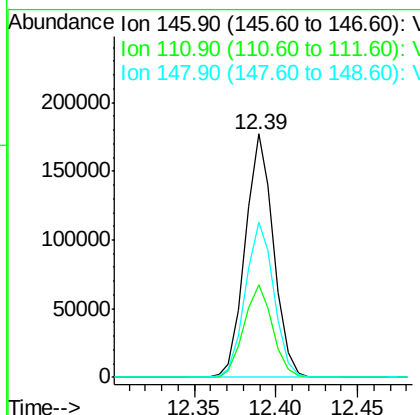
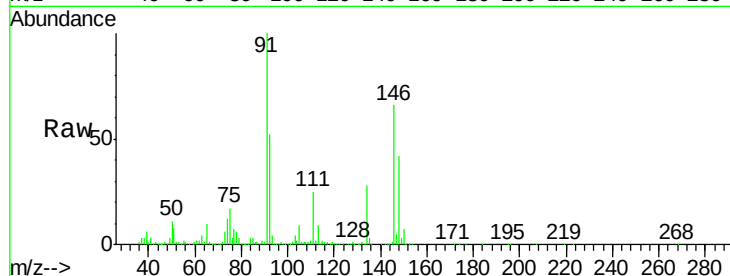
#91
1,2-Dichlorobenzene
Concen: 19.177 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.3
148	64.5	32.1	96.3

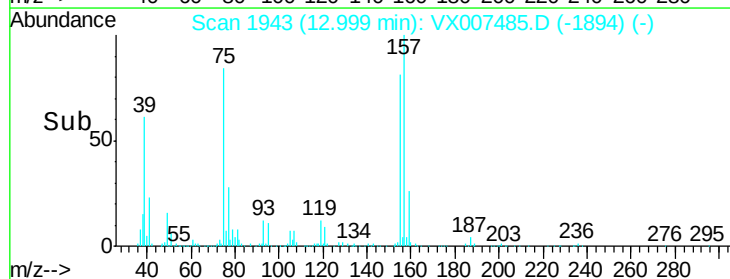
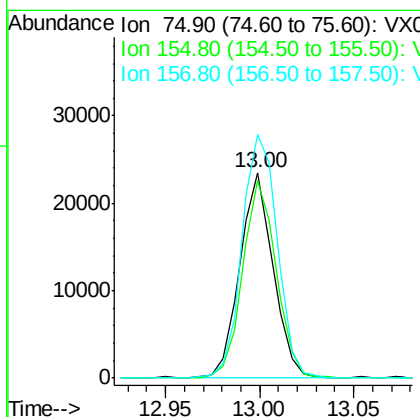
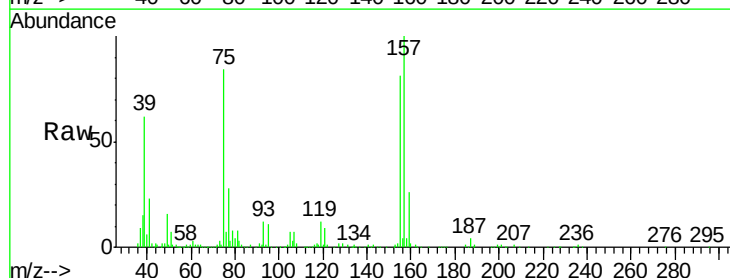
Manual Integrations
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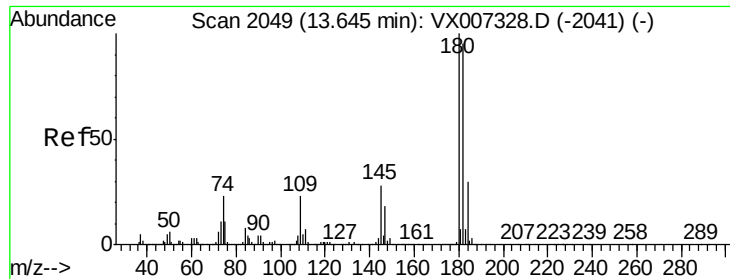
MMDadoda
2/13/2019 12:00:40 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.496 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	49.6	149.0
157	125.4	65.1	195.3





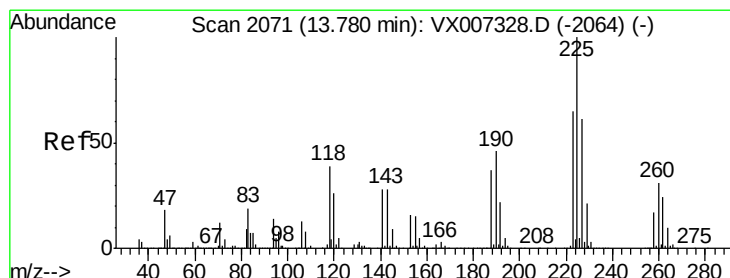
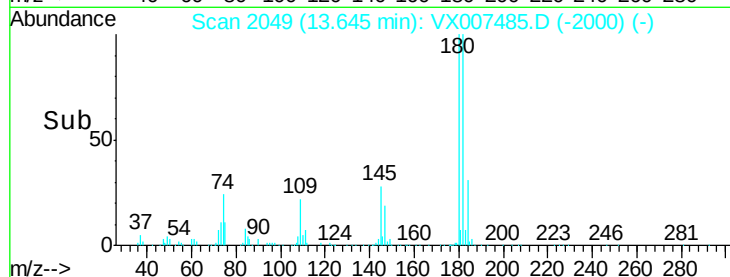
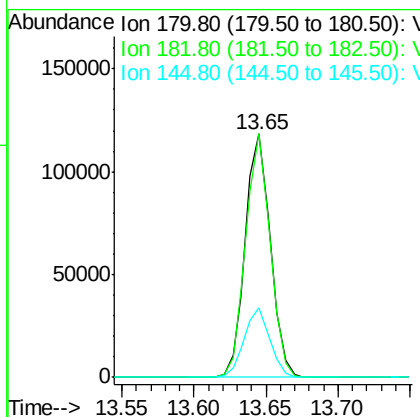
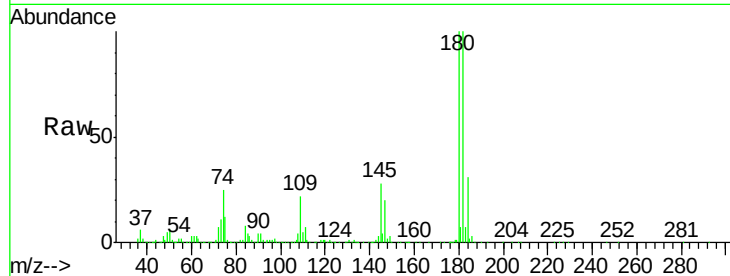
#93
 1,2,4-Trichlorobenzene
 Concen: 18.963 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	143107		
182	97.2	47.8	143.3	
145	29.1	14.1	42.2	

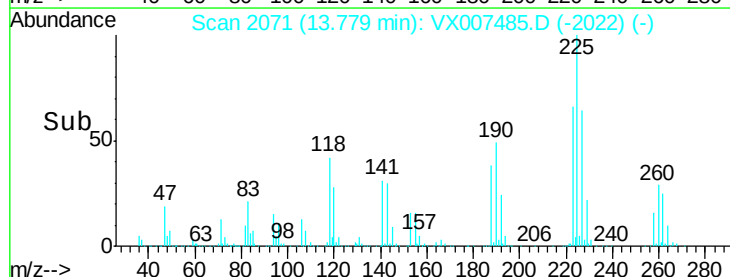
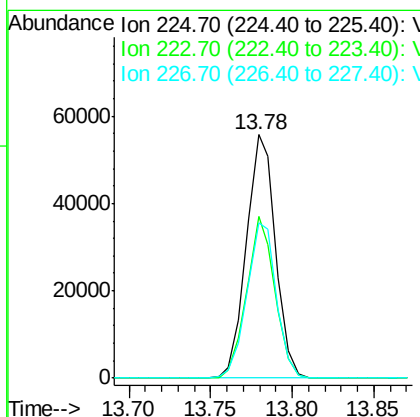
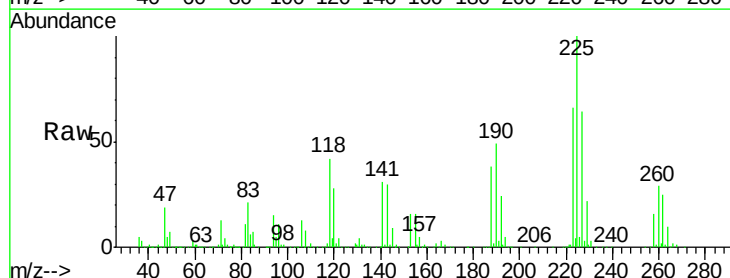
Manual Integrations
 APPROVED

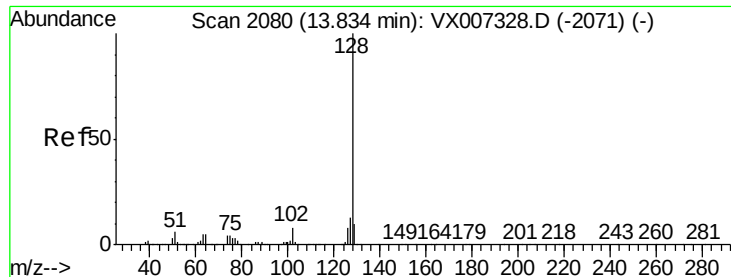
MMDadoda
 2/13/2019 12:00:40 PM



#94
 Hexachlorobutadiene
 Concen: 18.922 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007485.D
 Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69341		
223	64.2	31.6	94.8	
227	64.8	32.1	96.3	





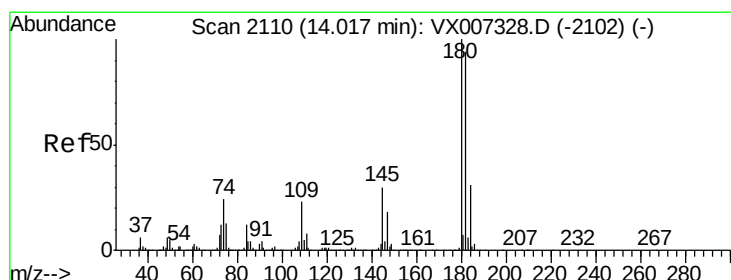
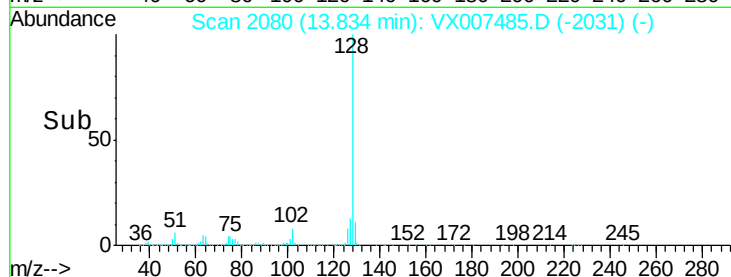
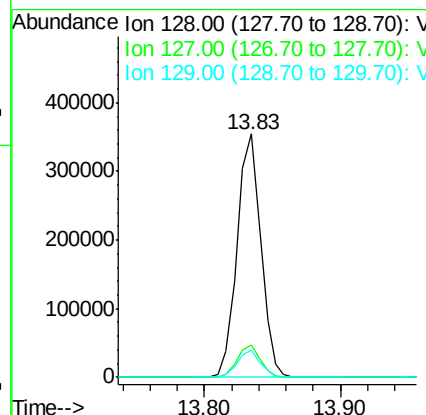
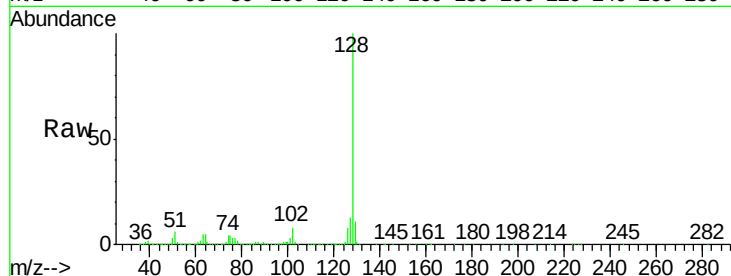
#95
Naphthalene
Concen: 19.567 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/13/2019 12:00:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.919 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007485.D
Acq: 12 Feb 2019 13:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.6
145	31.8	14.9	44.5

