

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008410.D
 Acq On : 25 Mar 2019 14:07
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:46:26 AM

Quant Time: Mar 26 04:44:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:13:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	204426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	347651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	16473	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	
35) Dibromofluoromethane	5.49	113	11585	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
50) Toluene-d8	8.71	98	46490	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	
62) 4-Bromofluorobenzene	11.13	95	16502	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	12666	5.501	ug/l	99
3) Chloromethane	1.32	50	18037	5.313	ug/l	99
4) Vinyl Chloride	1.40	62	17961	5.394	ug/l	100
5) Bromomethane	1.64	94	10395	5.091	ug/l	100
6) Chloroethane	1.71	64	10316m	5.227	ug/l	
7) Trichlorofluoromethane	1.92	101	20030	5.304	ug/l	91
8) Diethyl Ether	2.18	74	9437	5.207	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	12114	5.399	ug/l	97
10) Methyl Iodide	2.51	142	8076	2.984	ug/l	98
11) Tert butyl alcohol	3.05	59	18251	26.304	ug/l	96
12) 1,1-Dichloroethene	2.37	96	12365	5.320	ug/l	99
13) Acrolein	2.29	56	15199	26.897	ug/l	99
14) Allyl chloride	2.72	41	26394	5.151	ug/l	99
15) Acrylonitrile	3.14	53	46757	26.475	ug/l	98
16) Acetone	2.44	43	42517	27.301	ug/l	98
17) Carbon Disulfide	2.56	76	38250	5.161	ug/l	98
18) Methyl Acetate	2.77	43	20092	5.191	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	44245	5.292	ug/l	99
20) Methylene Chloride	2.85	84	15042	5.363	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	13101	5.224	ug/l	96
22) Diisopropyl ether	3.85	45	53366	5.340	ug/l	99
23) Vinyl Acetate	3.81	43	228800	25.959	ug/l	100
24) 1,1-Dichloroethane	3.70	63	27103	5.324	ug/l	99
25) 2-Butanone	4.67	43	66403	26.023	ug/l	97
26) 2,2-Dichloropropane	4.59	77	17615	5.334	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	14672	5.105	ug/l	94
28) Bromochloromethane	5.01	49	13134	5.244	ug/l	96
29) Tetrahydrofuran	5.13	42	43244	25.647	ug/l	97
30) Chloroform	5.21	83	24561	5.348	ug/l	98
31) Cyclohexane	5.58	56	26041	5.344	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	18775	5.156	ug/l	99
36) 1,1-Dichloropropene	5.80	75	18243	5.143	ug/l	96
37) Ethyl Acetate	4.83	43	24759	5.179	ug/l #	96
38) Carbon Tetrachloride	5.78	117	15769	5.173	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	22694	5.216	ug/l	97
40) Benzene	6.14	78	58677	5.426	ug/l	98
41) Methacrylonitrile	5.04	41	14215	5.444	ug/l	97
42) 1,2-Dichloroethane	6.19	62	21562	5.493	ug/l	100
43) Isopropyl Acetate	6.45	43	37738	5.056	ug/l	99
44) Trichloroethene	7.21	130	13375	5.321	ug/l	99
45) 1,2-Dichloropropane	7.51	63	16231	5.301	ug/l	100
46) Dibromomethane	7.66	93	9252	5.102	ug/l	99
47) Bromodichloromethane	7.90	83	17604	5.080	ug/l	96
48) Methyl methacrylate	7.77	41	19433	5.142	ug/l	99
49) 1,4-Dioxane	7.74	88	8240	108.013	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	129994	26.437	ug/l	100
52) Toluene	8.78	92	34600	5.443	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	17388	4.658	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	20853	4.944	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	14231	5.390	ug/l	97
56) Ethyl methacrylate	9.18	69	24634	5.263	ug/l	97
57) 1,3-Dichloropropane	9.37	76	25151	5.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	65698	26.272	ug/l	98
59) 2-Hexanone	9.49	43	102521	27.023	ug/l	99
60) Dibromochloromethane	9.58	129	12342	5.031	ug/l	97
61) 1,2-Dibromoethane	9.67	107	14027	5.241	ug/l	99
64) Tetrachloroethene	9.34	164	10892	5.407	ug/l	95
65) Chlorobenzene	10.13	112	34258	5.293	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	11744	5.229	ug/l	100
67) Ethyl Benzene	10.25	91	65609	5.402	ug/l	100
68) m/p-Xylenes	10.36	106	47544	10.897	ug/l	97
69) o-Xylene	10.69	106	23473	5.501	ug/l	98
70) Styrene	10.71	104	38678	5.225	ug/l	100
71) Bromoform	10.85	173	8615	4.948	ug/l #	100
73) Isopropylbenzene	11.02	105	61200	5.482	ug/l	100
74) N-amyl acetate	10.90	43	34638	5.300	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	24141	5.442	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	22205m	5.995	ug/l	
77) Bromobenzene	11.26	156	14507	5.473	ug/l	99
78) n-propylbenzene	11.36	91	70026	5.356	ug/l	99
79) 2-Chlorotoluene	11.42	91	43199	5.408	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	51380	5.409	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	5589	4.312	ug/l #	79
82) 4-Chlorotoluene	11.51	91	49040	5.338	ug/l	99
83) tert-Butylbenzene	11.77	119	49474	5.483	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	51628	5.439	ug/l	99
85) sec-Butylbenzene	11.94	105	58361	5.378	ug/l	100
86) p-Isopropyltoluene	12.06	119	50665	5.297	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	25777	5.419	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	25899	5.344	ug/l	94
89) n-Butylbenzene	12.38	91	45521	4.989	ug/l	98
90) Hexachloroethane	12.59	117	8122	5.130	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	26199	5.425	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	4755	5.038	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

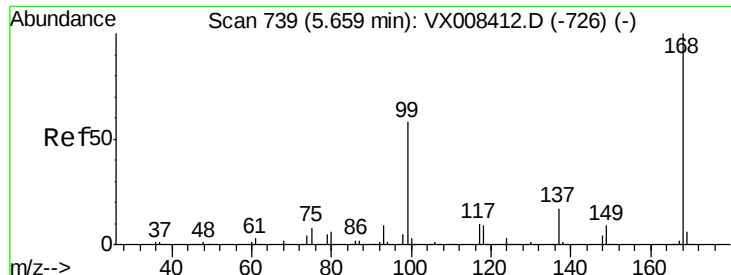
Manual Integrations
APPROVED

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3/26/2019 9:46:26 AM

Quant Time: Mar 26 04:44:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	16472	5.047	ug/l	98
94) Hexachlorobutadiene	13.78	225	8273	5.369	ug/l	98
95) Naphthalene	13.83	128	56734	4.990	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	16943	5.168	ug/l	99

(#) = 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: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 204426

Ion Ratio Lower Upper

168 100

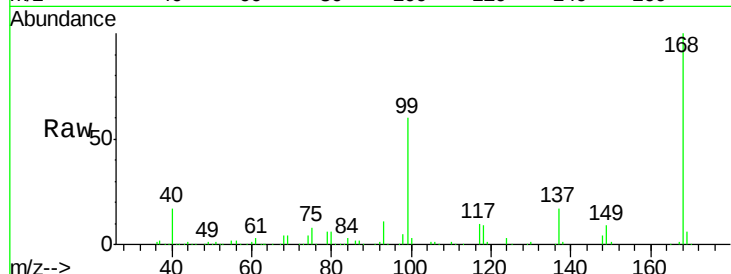
99 60.2 46.0 69.0

Manual Integrations

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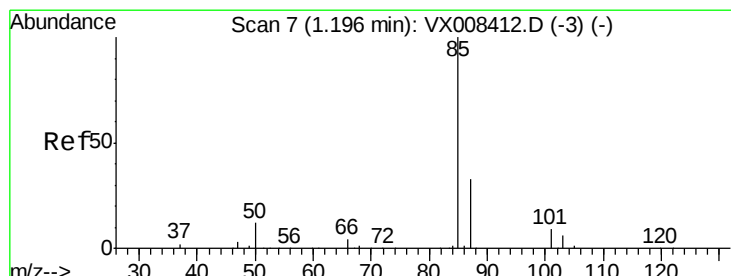
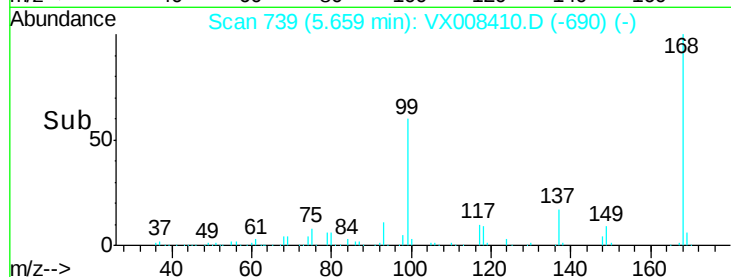
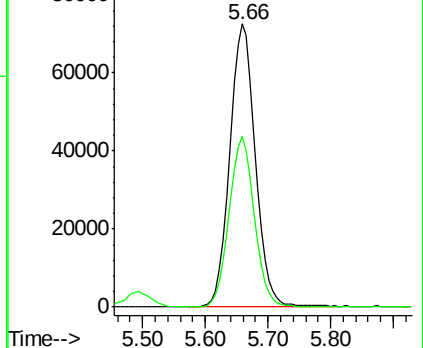
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 5.501 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008410.D

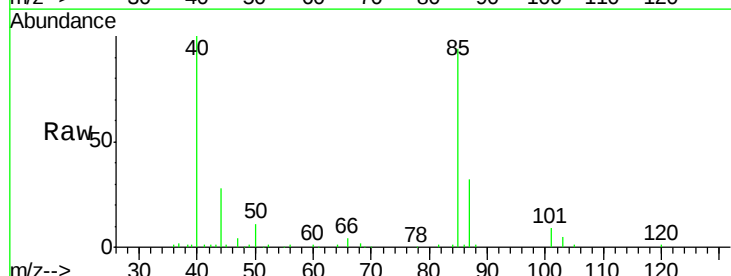
Acq: 25 Mar 2019 14:07

Tgt Ion: 85 Resp: 12666

Ion Ratio Lower Upper

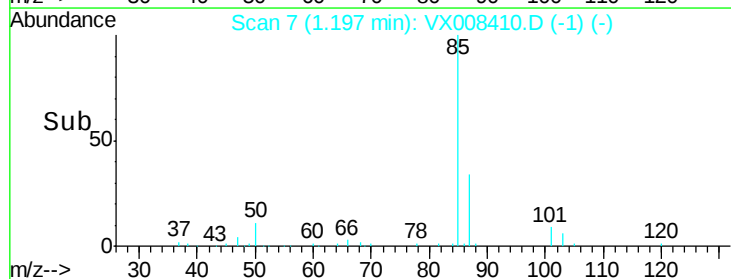
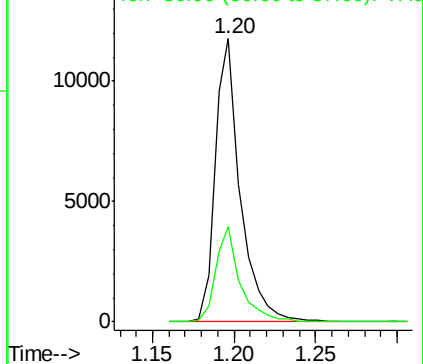
85 100

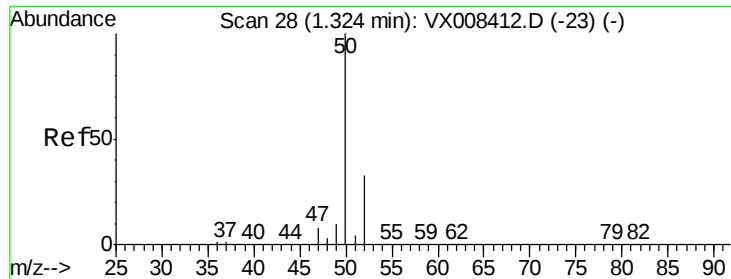
87 33.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 5.313 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 18037

Ion Ratio Lower Upper

50 100

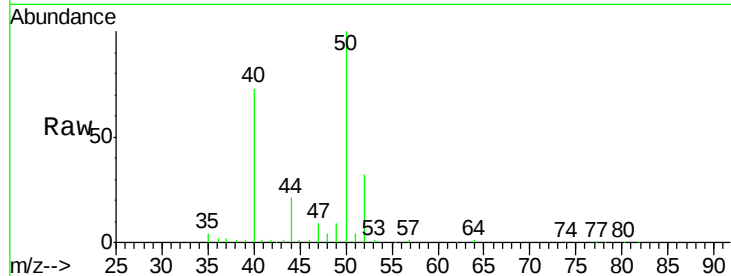
52 32.0 26.2 39.2

Manual Integrations

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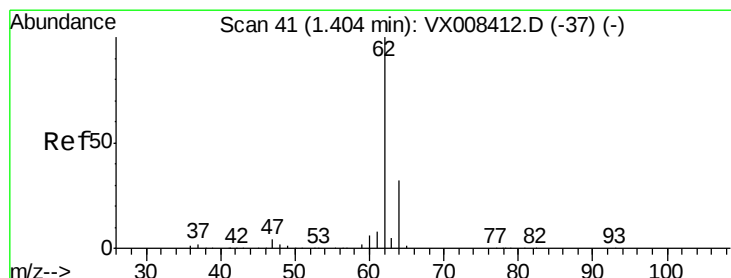
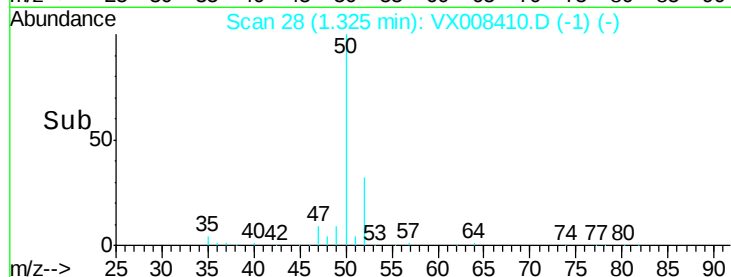
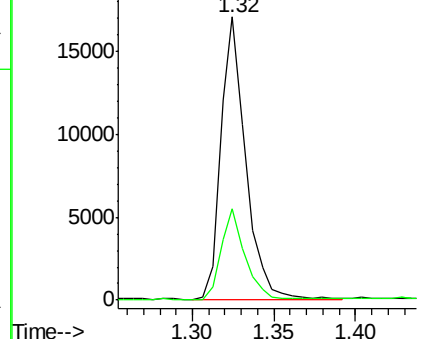
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 5.394 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008410.D

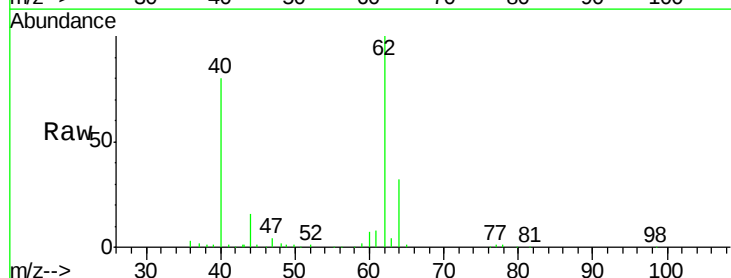
Acq: 25 Mar 2019 14:07

Tgt Ion: 62 Resp: 17961

Ion Ratio Lower Upper

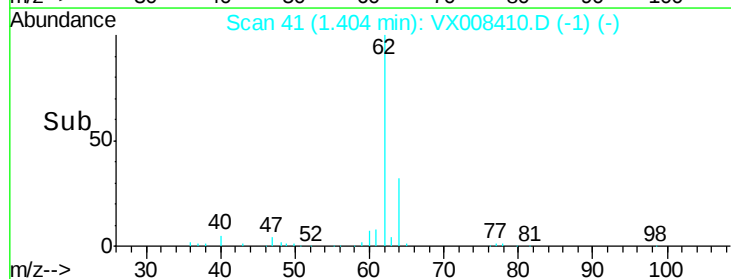
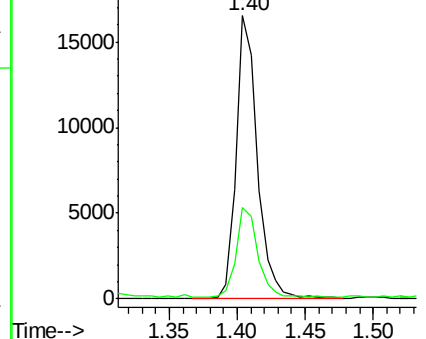
62 100

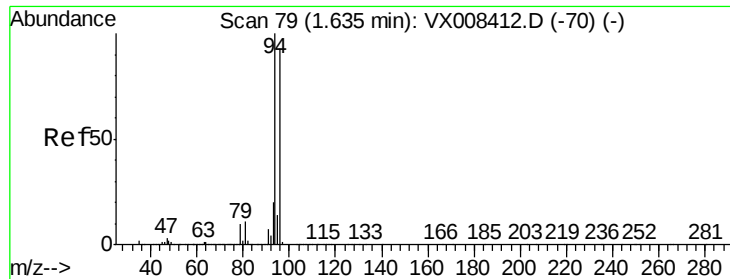
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 5.091 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Tot Ion: 94 Resp: 10395

Ion Ratio Lower Upper

94 100

96 93.2 74.8 112.2

Instrument :

MSVOA_X

ClientSampleId :

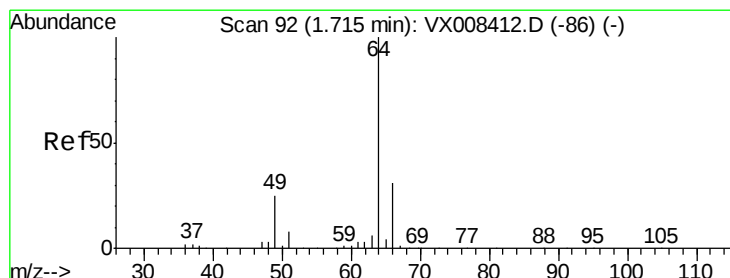
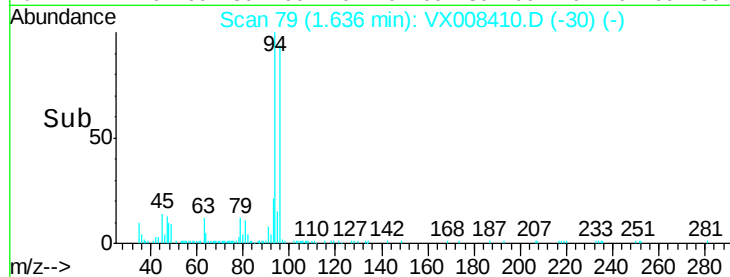
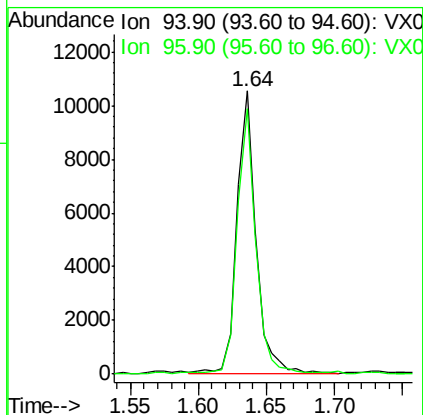
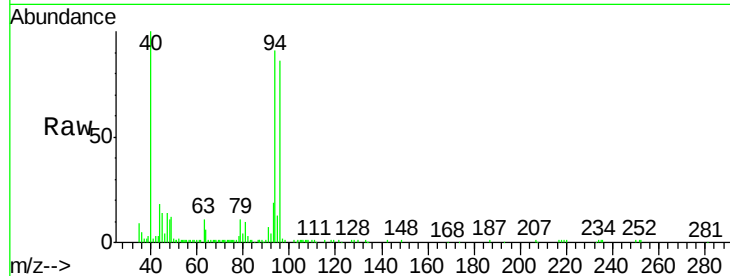
VSTDIC005

Manual Integrations

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#6

Chloroethane

Concen: 5.227 ug/l m

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008410.D

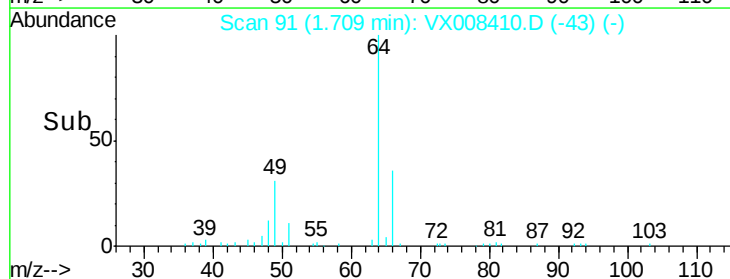
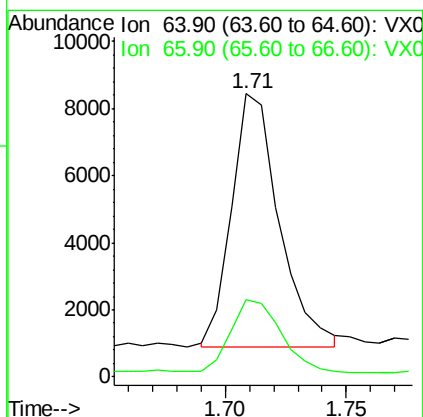
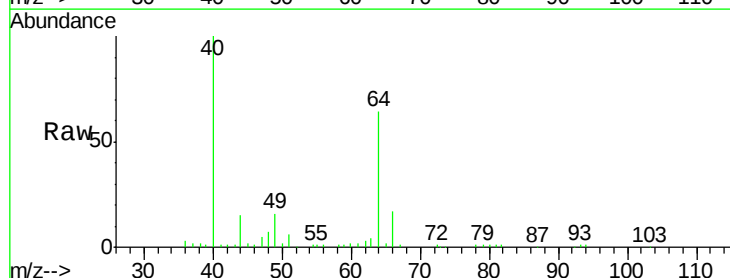
Acq: 25 Mar 2019 14:07

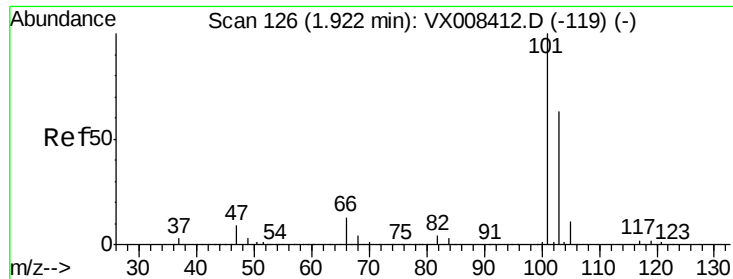
Tgt Ion: 64 Resp: 10316

Ion Ratio Lower Upper

64 100

66 27.2 25.1 37.7





#7

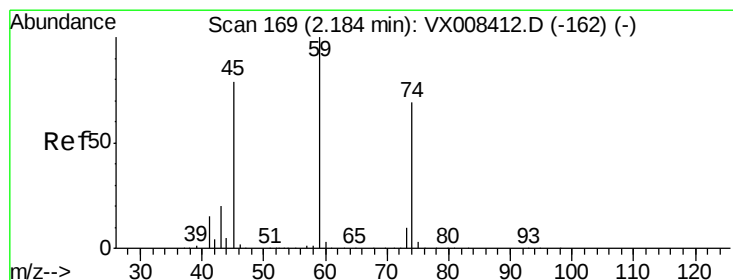
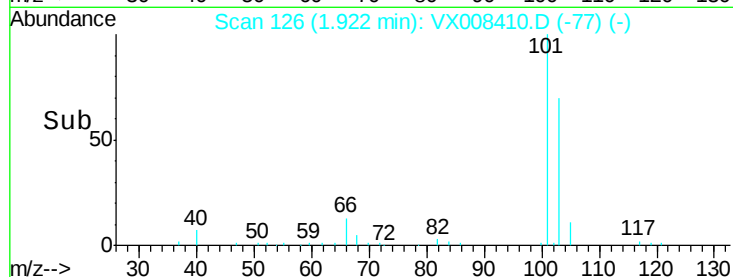
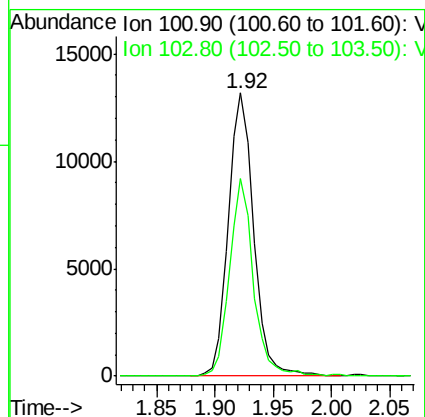
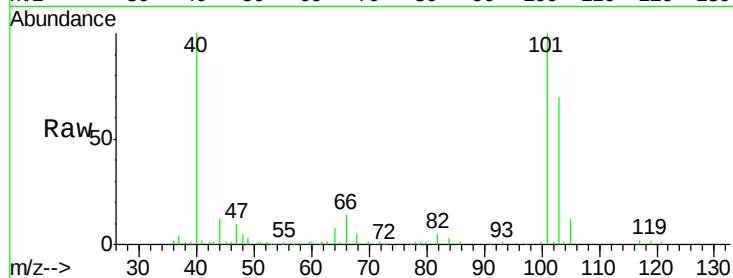
Trichlorofluoromethane
Concen: 5.304 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.8	50.2	75.4

Manual Integrations
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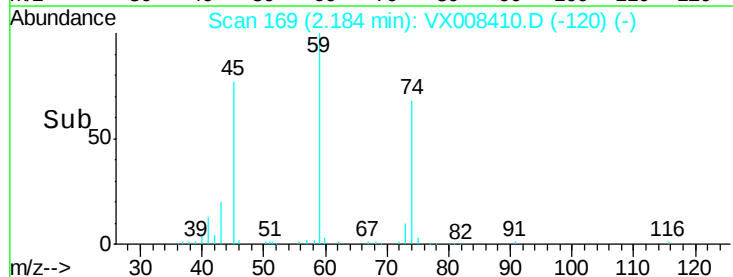
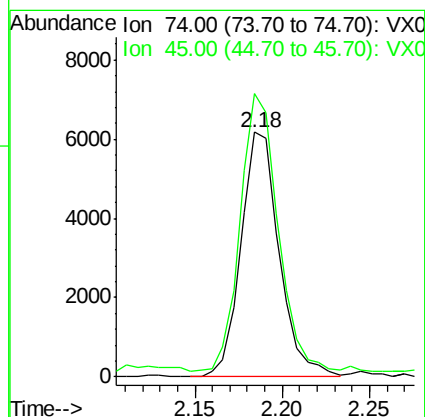
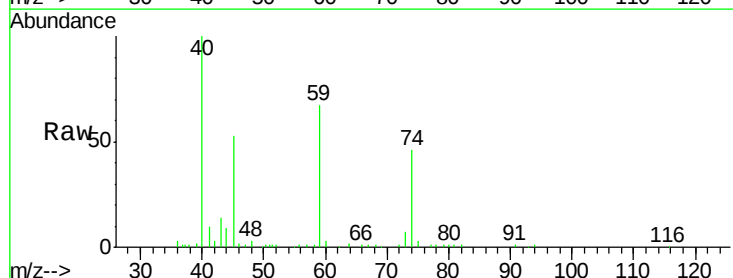
MMDadoda
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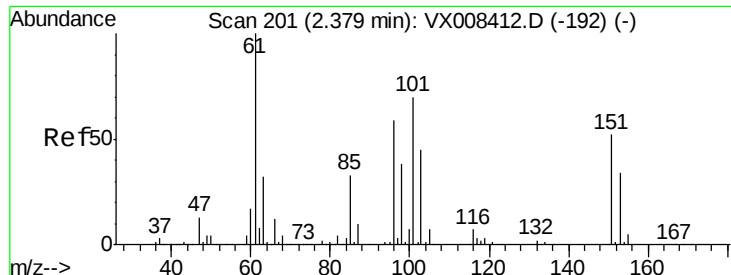


#8

Diethyl Ether
Concen: 5.207 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.5	56.4	169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.399 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

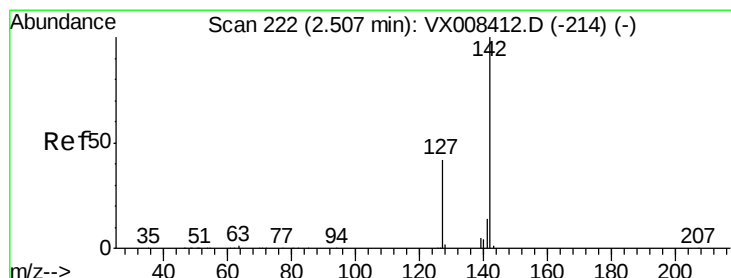
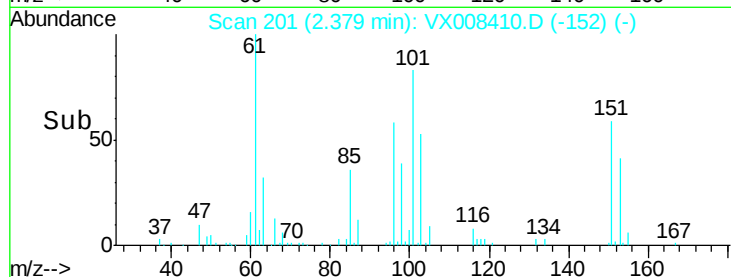
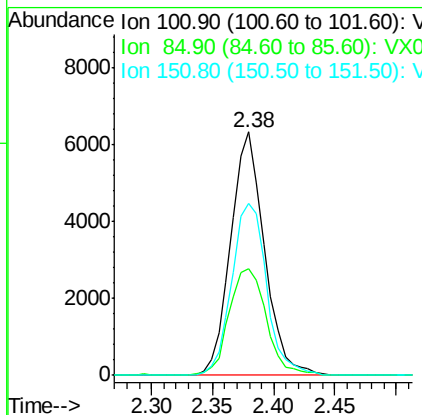
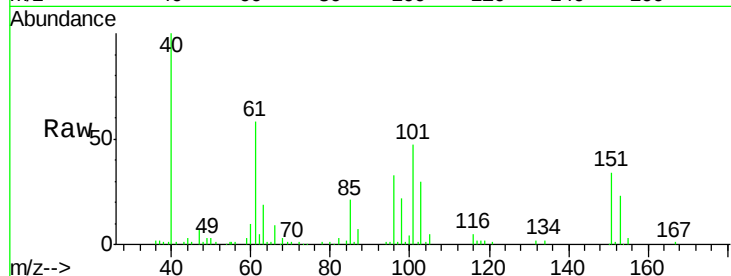
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12114
Ion Ratio	Lower	Upper	
101	100		
85	48.3	36.0	54.0
151	72.8	59.2	88.8

Manual Integrations
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3/26/2019 9:46:26 AM



#10

Methyl Iodide

Concen: 2.984 ug/l

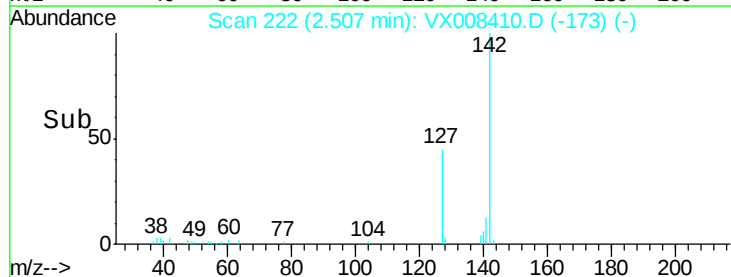
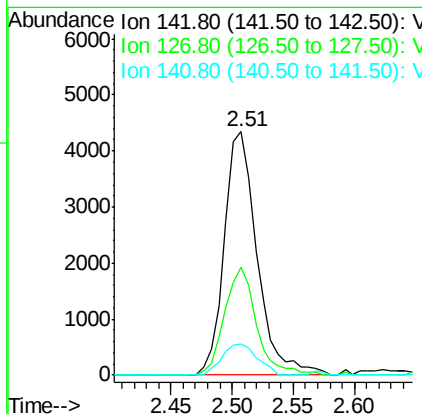
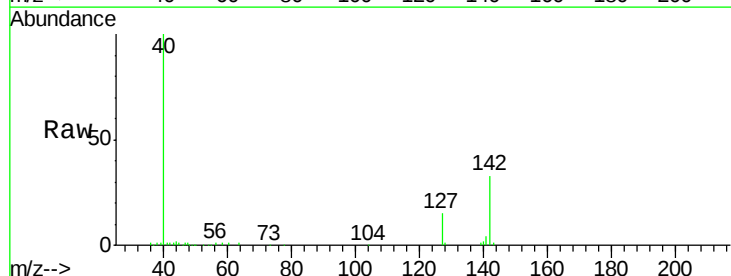
RT: 2.51 min Scan# 222

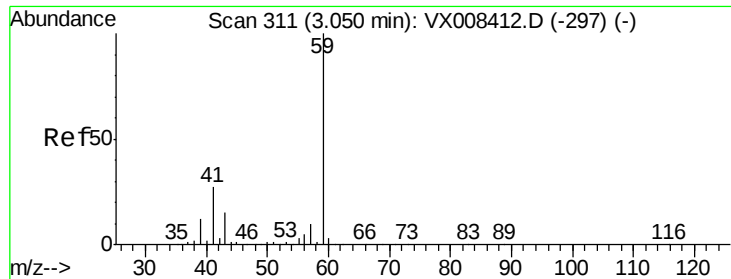
Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Tgt Ion:	142	Resp:	8076
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.6	50.4
141	13.6	11.3	16.9





#11

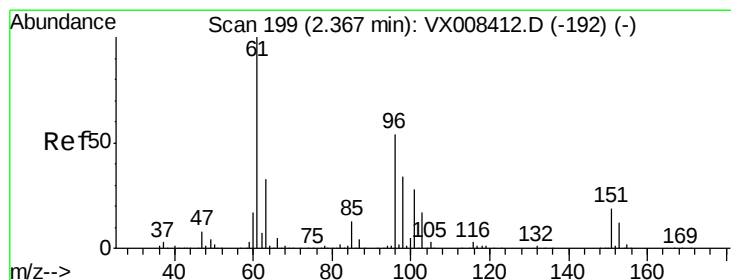
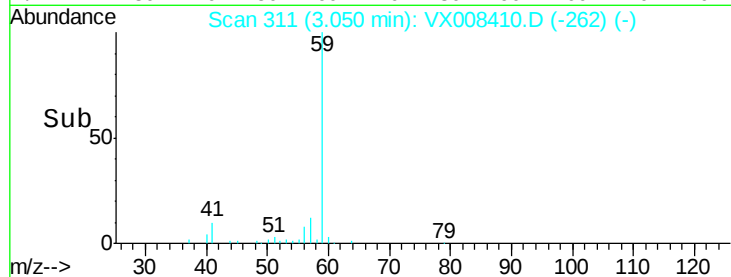
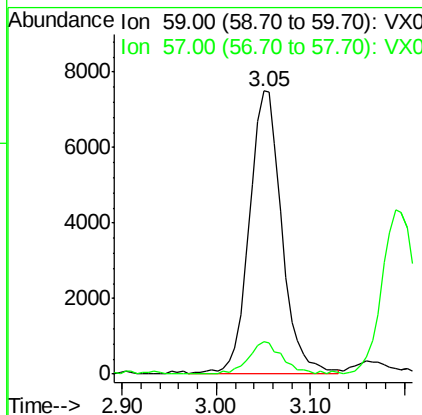
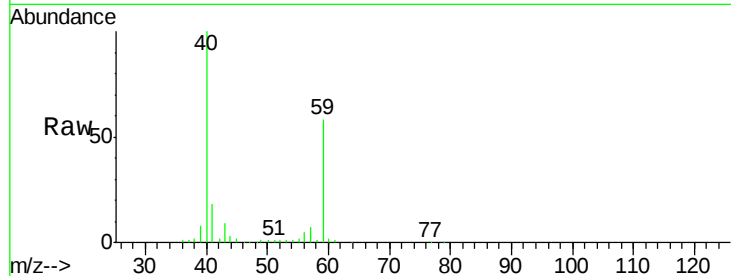
Tert butyl alcohol
Concen: 26.304 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.2	12.4

Manual Integrations
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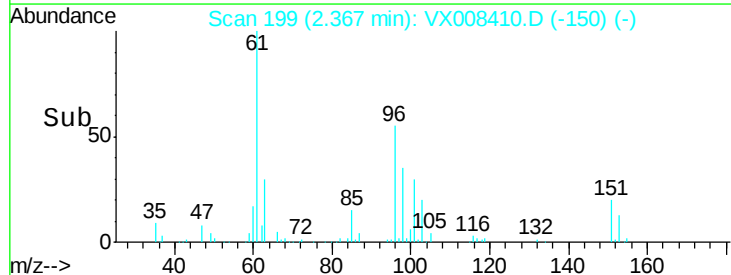
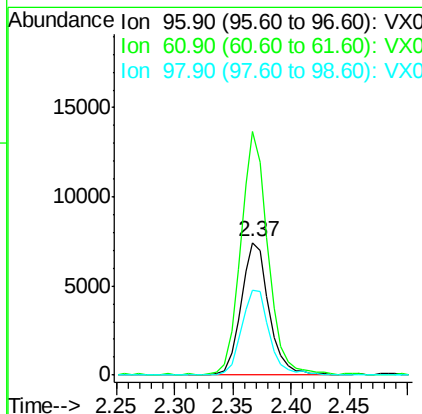
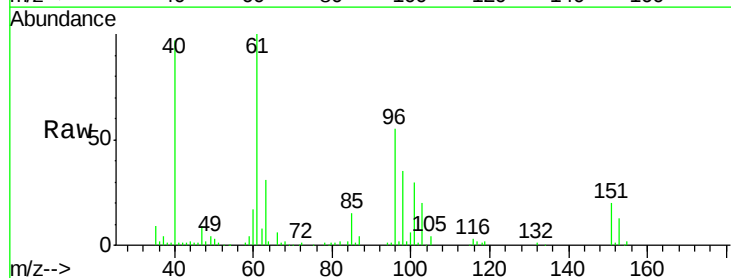
MMDadoda
3/26/2019 9:46:26 AM

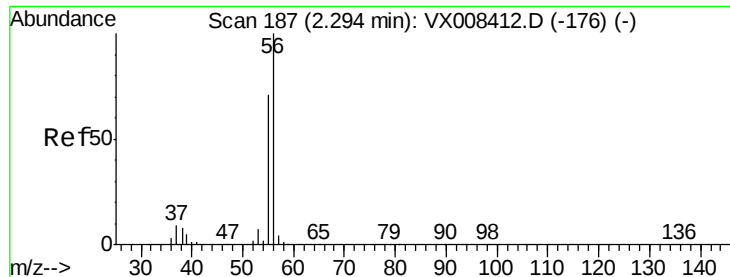


#12

1,1-Dichloroethene
Concen: 5.320 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.4	146.9	220.3
98	64.2	50.1	75.1





#13

Acrolein

Concen: 26.897 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 15199

Ion Ratio Lower Upper

56 100

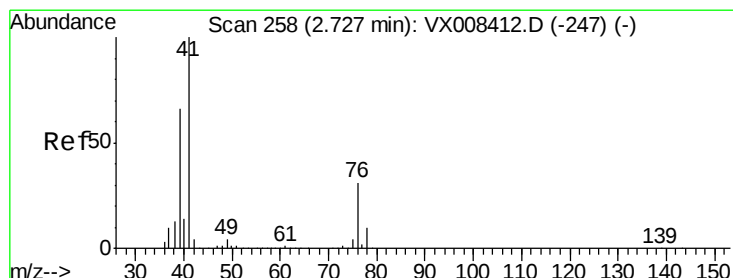
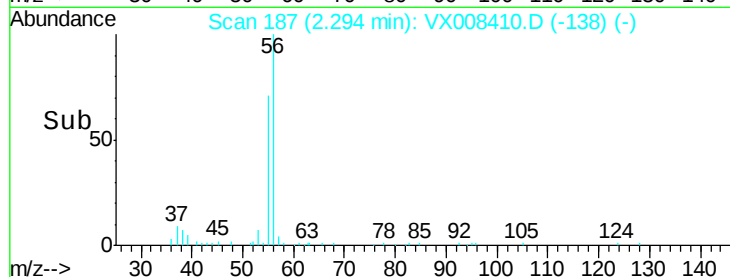
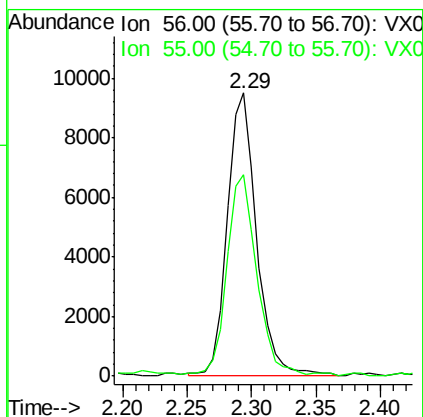
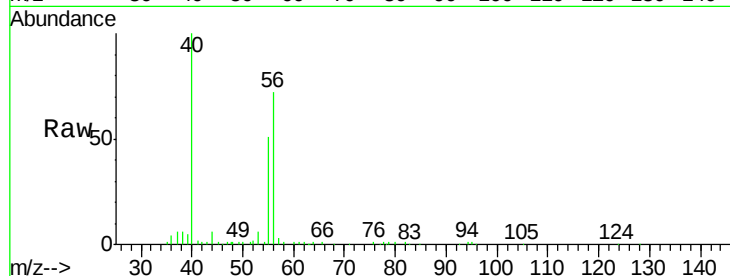
55 70.0 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

3/26/2019 9:46:26 AM



#14

Allyl chloride

Concen: 5.151 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

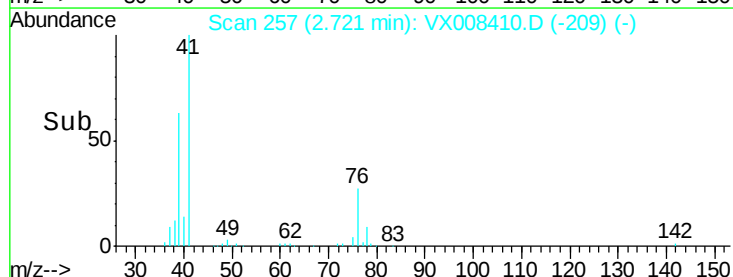
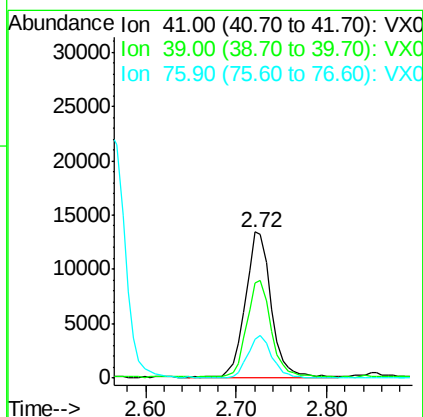
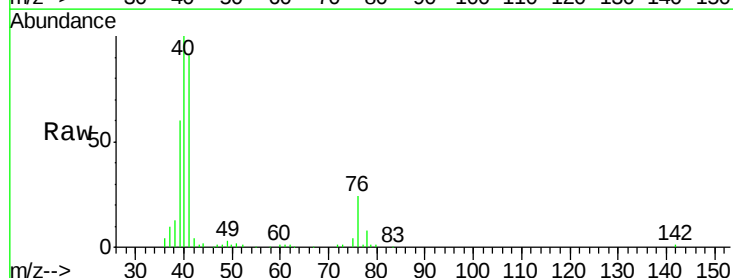
Tgt Ion: 41 Resp: 26394

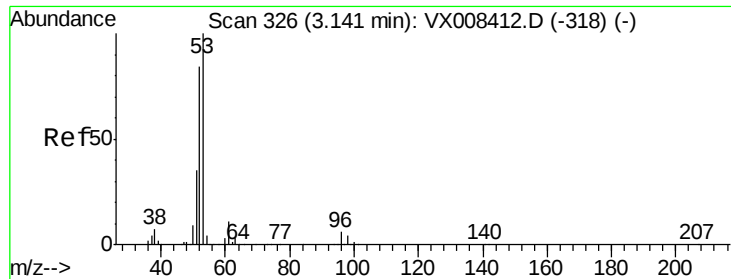
Ion Ratio Lower Upper

41 100

39 63.2 49.6 74.4

76 27.8 22.6 34.0





#15

Acrylonitrile

Concen: 26.475 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

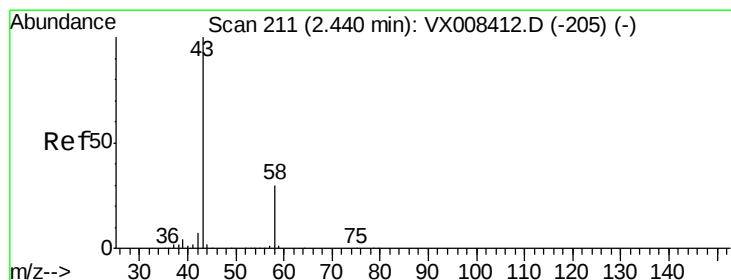
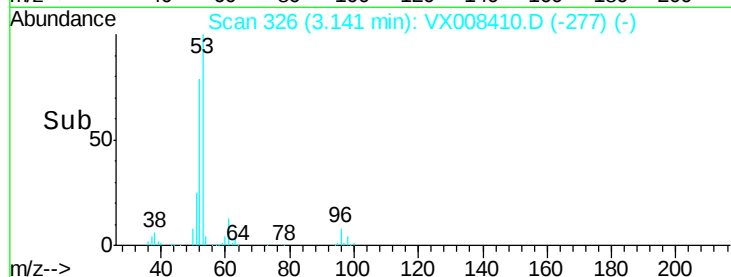
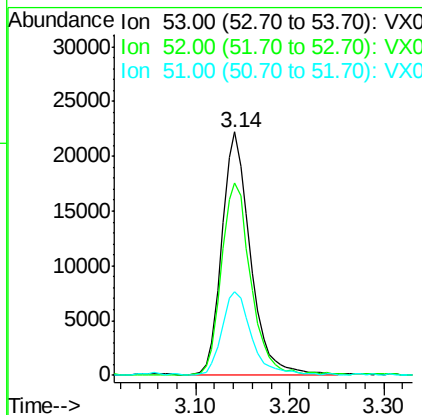
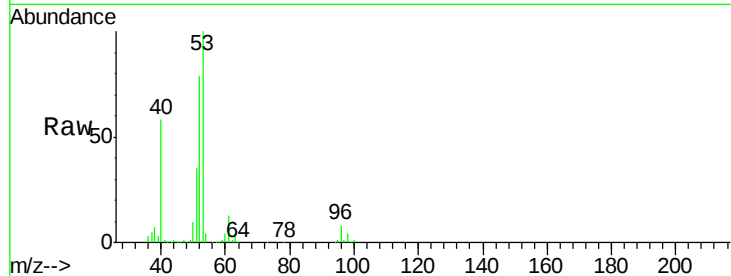
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	46757
Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.5	99.7
51	35.0	28.3	42.5

Manual Integrations
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3/26/2019 9:46:26 AM



#16

Acetone

Concen: 27.301 ug/l

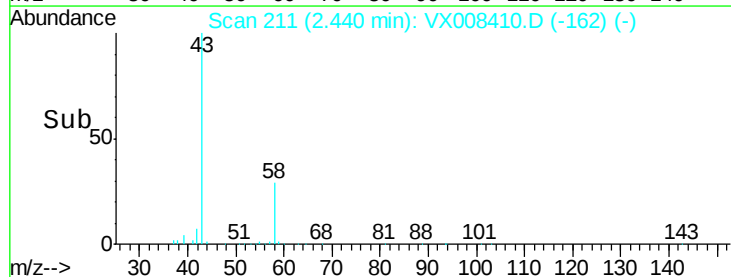
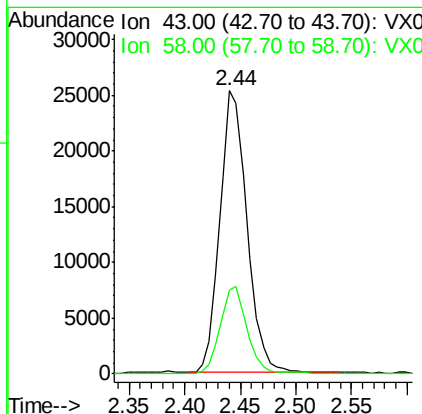
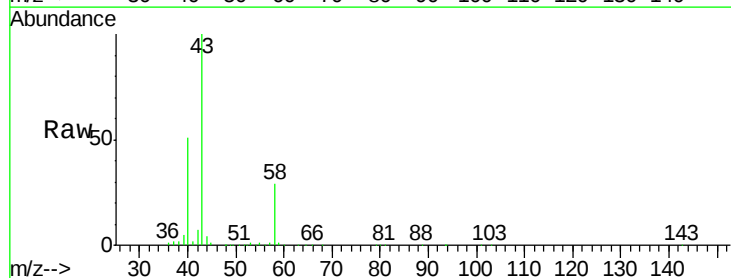
RT: 2.44 min Scan# 211

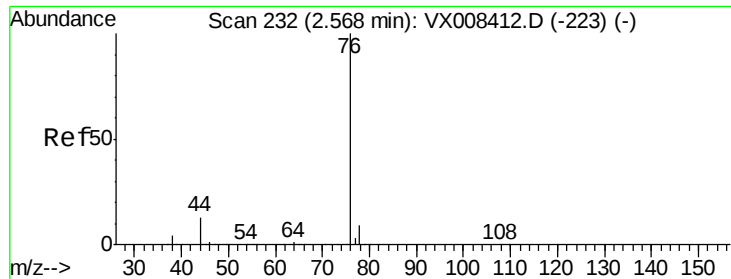
Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Tgt Ion:	43	Resp:	42517
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.2	36.2





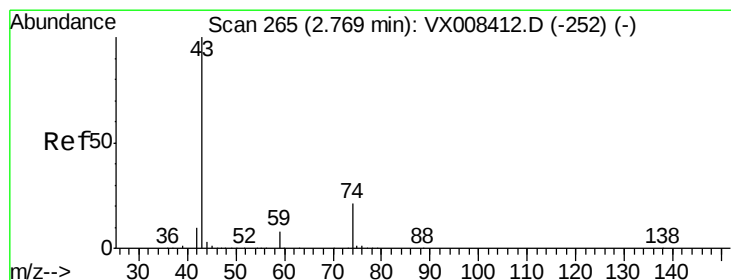
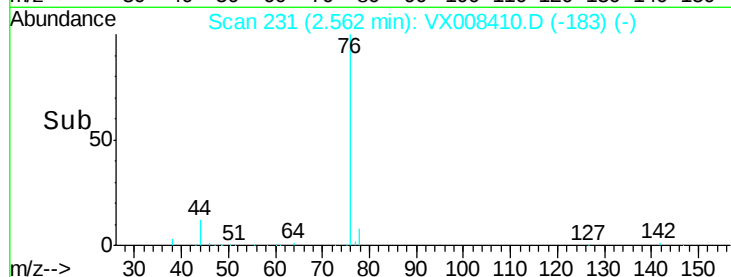
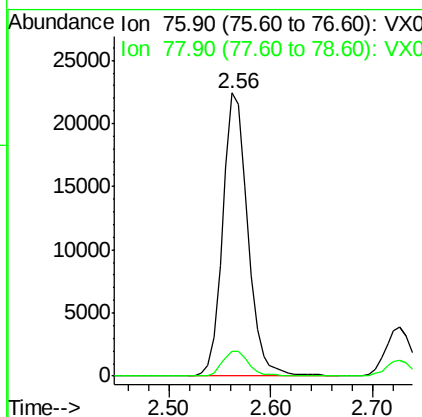
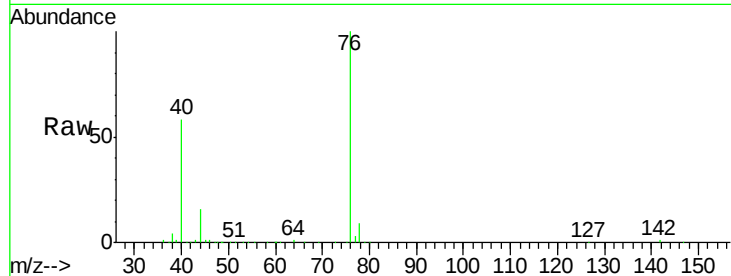
#17
Carbon Disulfide
Concen: 5.161 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	76	Resp	38250
Ion Ratio	Lower	Upper	
76	100		
78	8.6	7.4	11.2

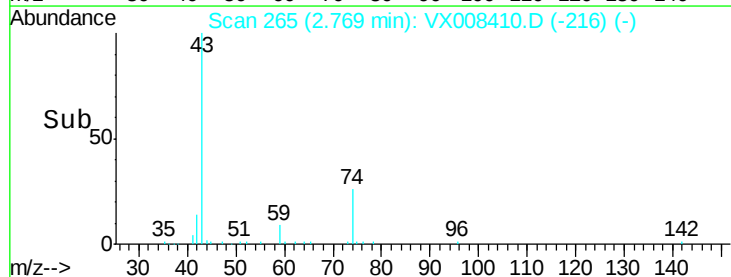
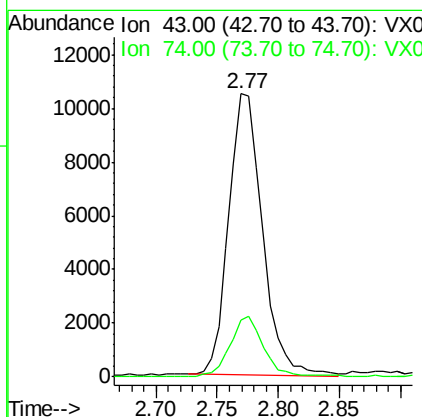
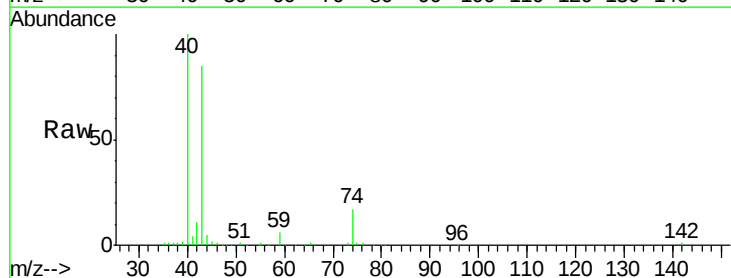
Manual Integrations
APPROVED

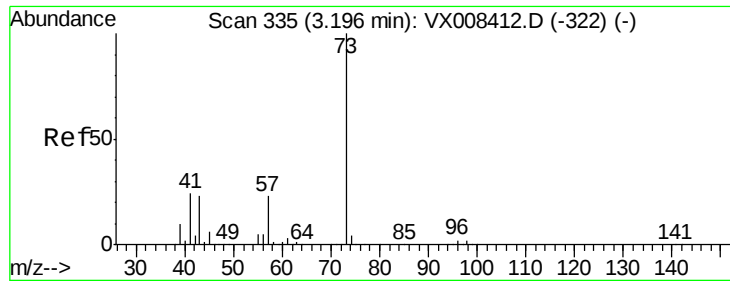
MMDadoda
3/26/2019 9:46:26 AM



#18
Methyl Acetate
Concen: 5.191 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	43	Resp	20092
Ion Ratio	Lower	Upper	
43	100		
74	21.6	16.7	25.1





#19

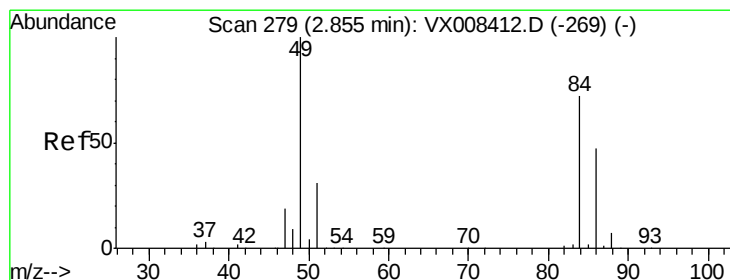
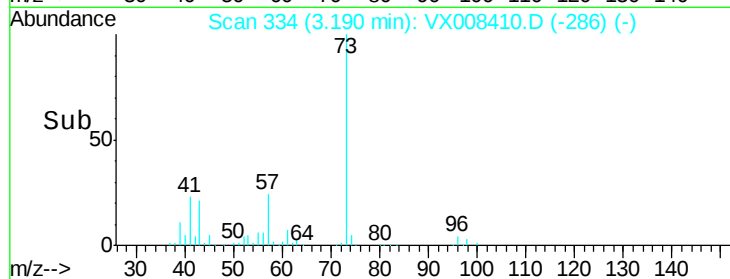
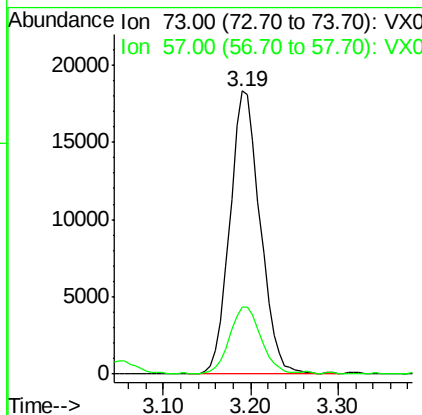
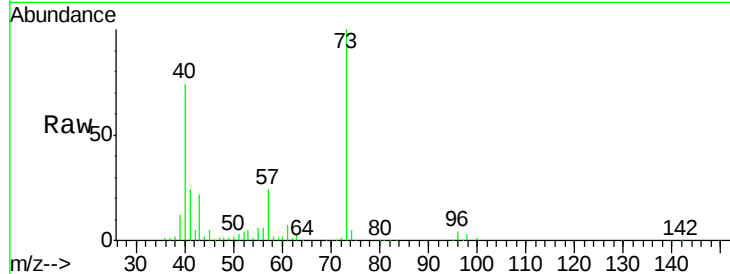
Methyl tert-butyl Ether
 Concen: 5.292 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	73	Resp	44245
Ion Ratio	100	Lower	Upper
73	100		
57	23.7	18.6	28.0

Manual Integrations
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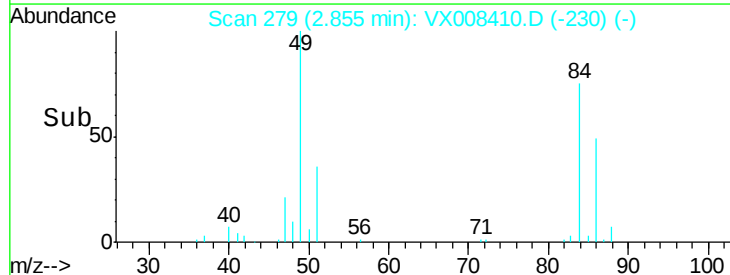
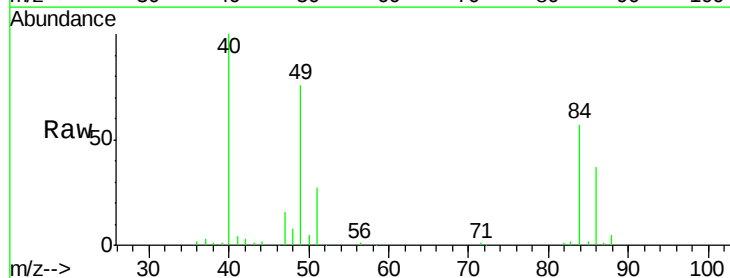
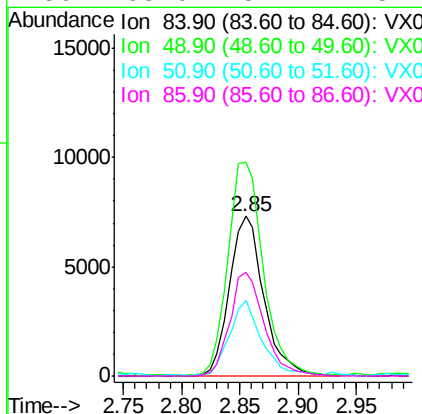
MMDadoda
 3/26/2019 9:46:26 AM

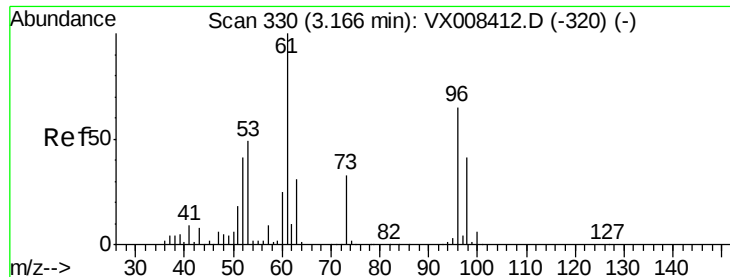


#20

Methylene Chloride
 Concen: 5.363 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Tgt Ion	84	Resp	15042
Ion Ratio	100	Lower	Upper
84	100		
49	133.2	110.6	165.8
51	47.5	33.9	50.9
86	65.0	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 5.224 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

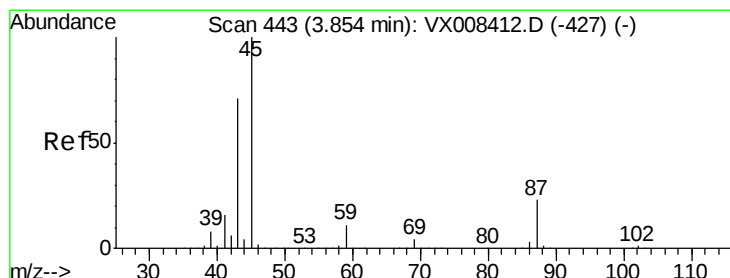
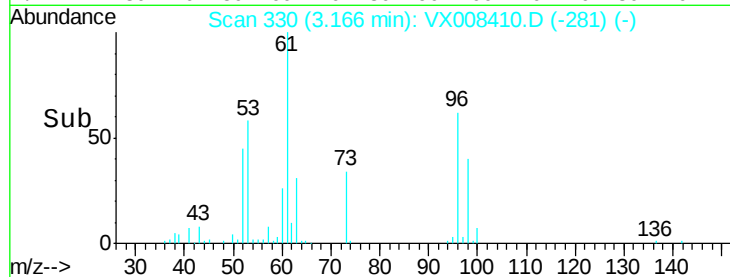
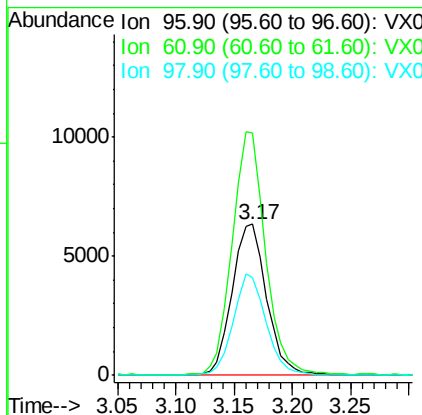
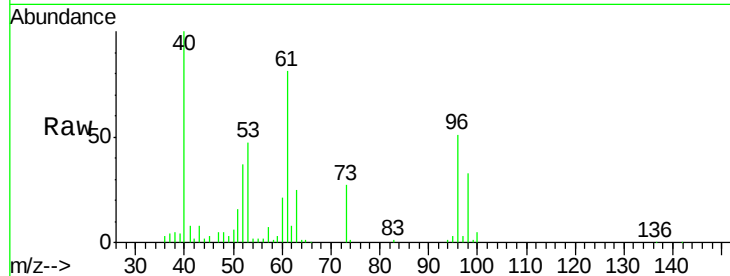
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	13101
Ion	Ratio	Lower	Upper
96	100		
61	159.2	122.6	184.0
98	64.4	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.340 ug/l

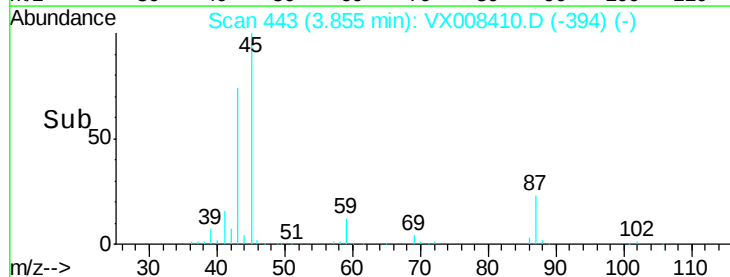
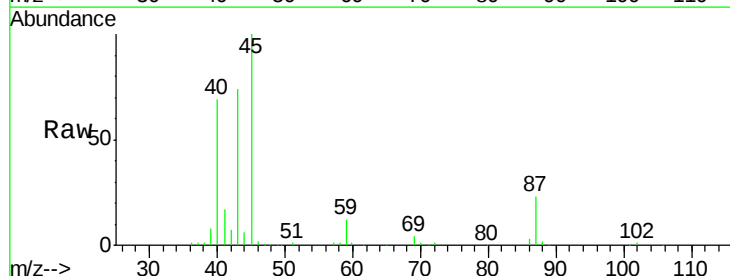
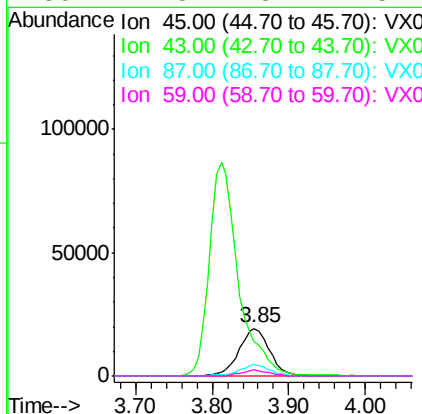
RT: 3.85 min Scan# 443

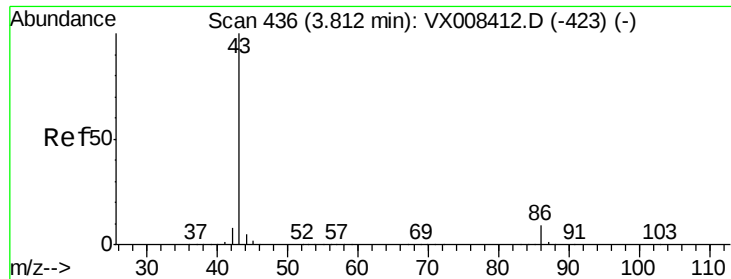
Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Tgt Ion:	45	Resp:	53366
Ion	Ratio	Lower	Upper
45	100		
43	72.2	57.1	85.7
87	23.3	18.8	28.2
59	12.3	8.7	13.1





#23

Vinyl Acetate

Concen: 25.959 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 228800

Ion Ratio Lower Upper

43 100

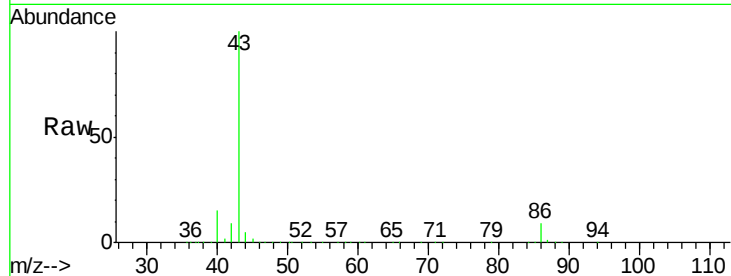
86 8.8 6.9 10.3

Manual Integrations

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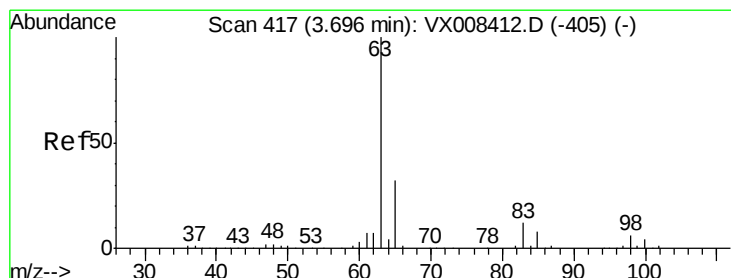
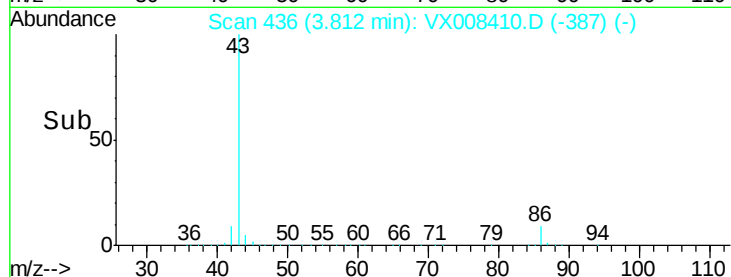
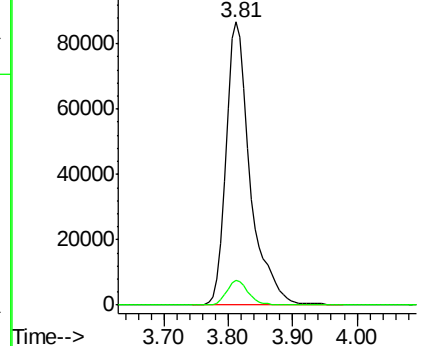
MMDadoda

3/26/2019 9:46:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 5.324 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

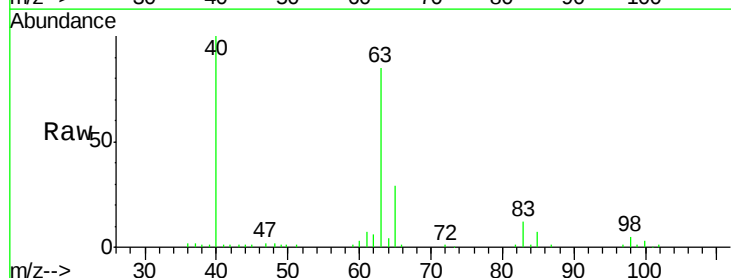
Tgt Ion: 63 Resp: 27103

Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

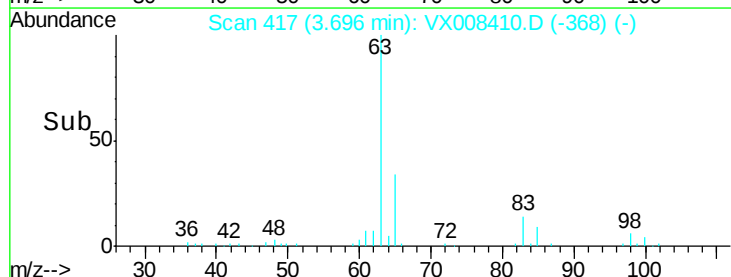
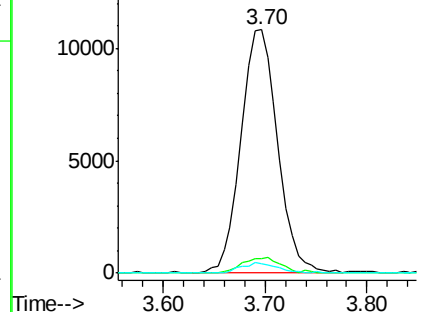
100 4.1 2.0 5.8

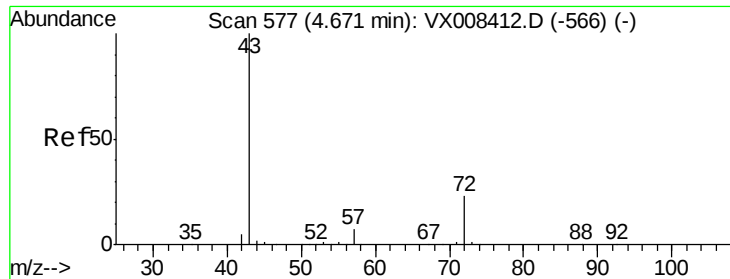


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 26.023 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 66403

Ion Ratio Lower Upper

43 100

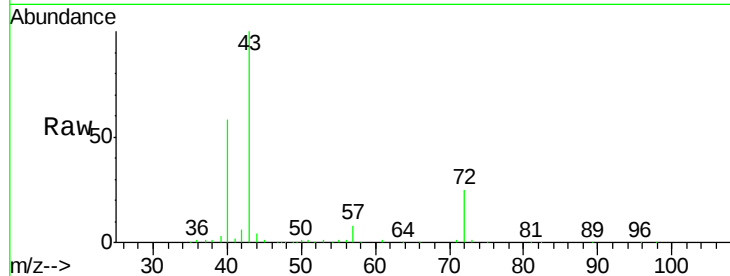
72 24.8 18.6 28.0

Manual Integrations

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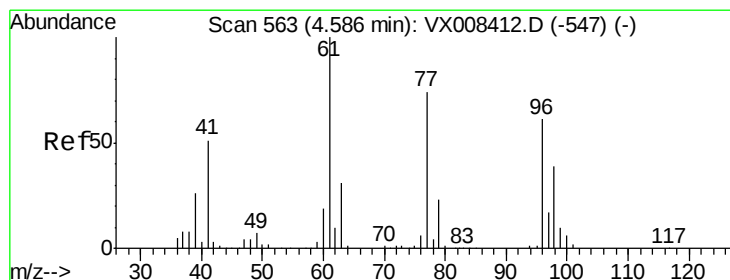
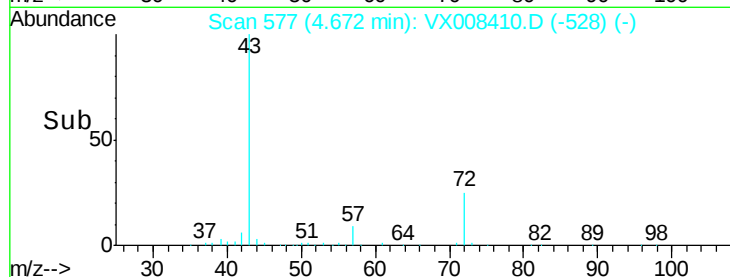
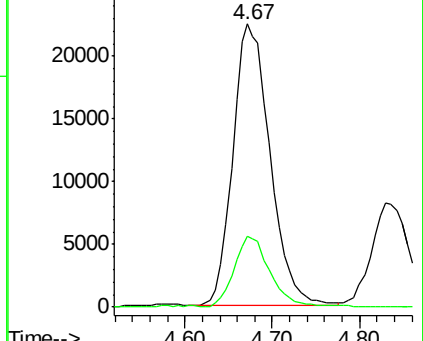
MMDadoda

3/26/2019 9:46:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 5.334 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008410.D

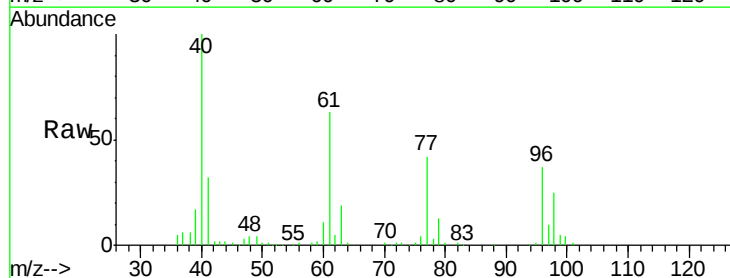
Acq: 25 Mar 2019 14:07

Tgt Ion: 77 Resp: 17615

Ion Ratio Lower Upper

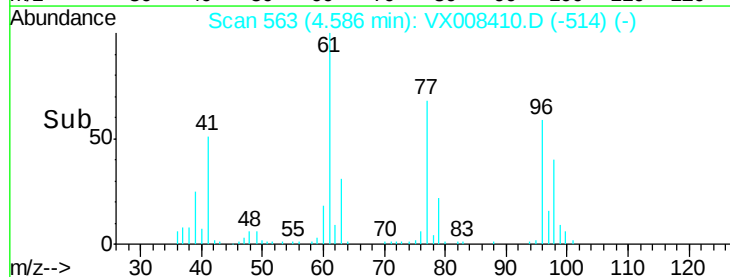
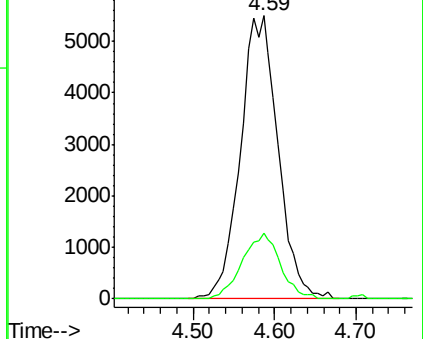
77 100

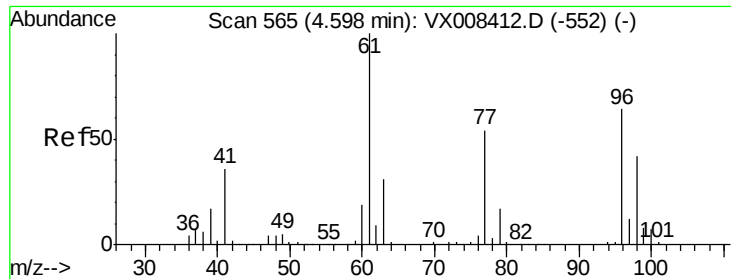
97 23.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

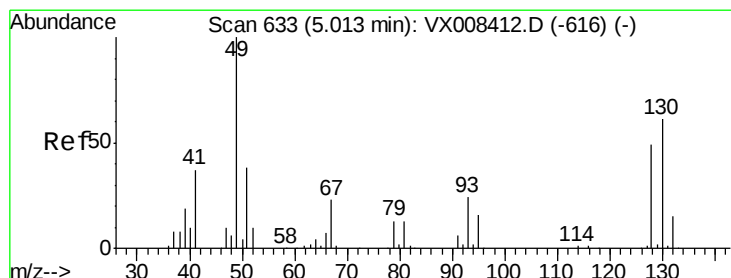
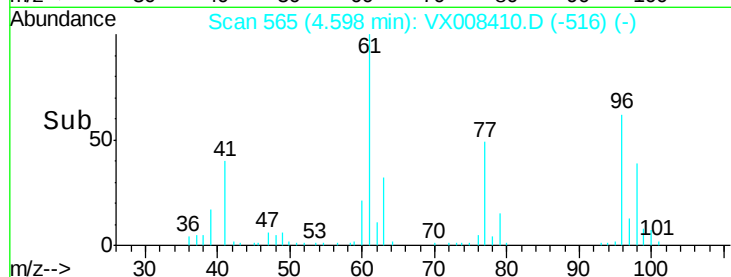
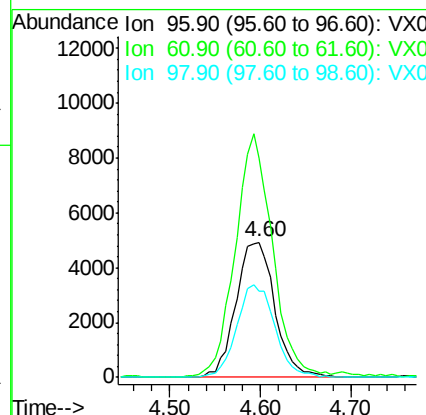
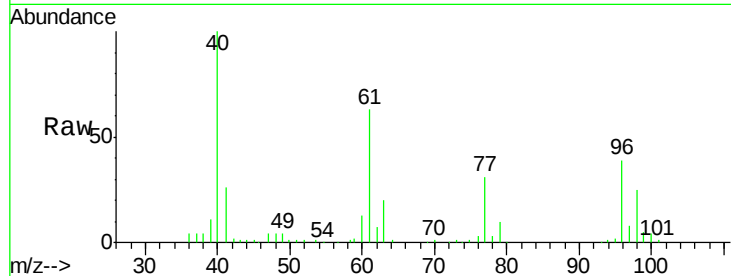
cis-1,2-Dichloroethene
Concen: 5.105 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.9	0.0	325.6
98	67.1	0.0	130.0

Manual Integrations
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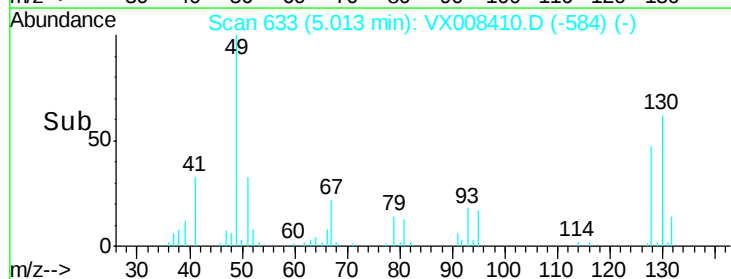
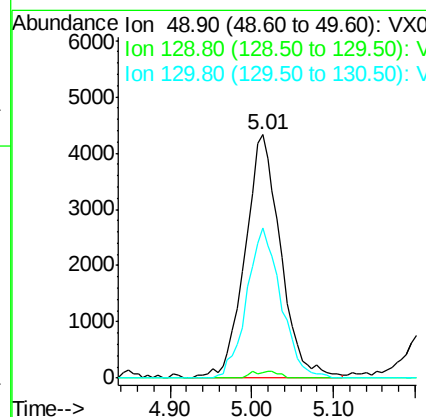
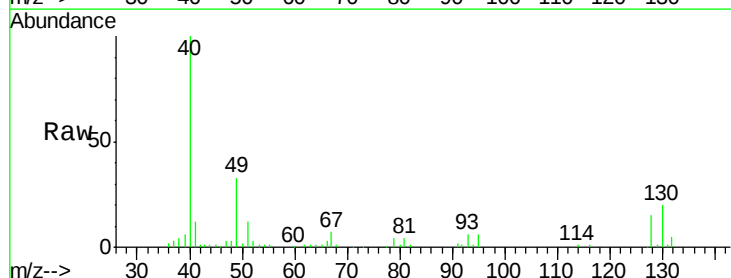
MMDadoda
3/26/2019 9:46:26 AM

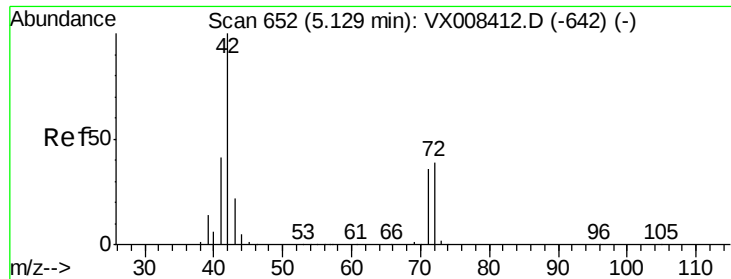


#28

Bromochloromethane
Concen: 5.244 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	59.3	49.8	74.6





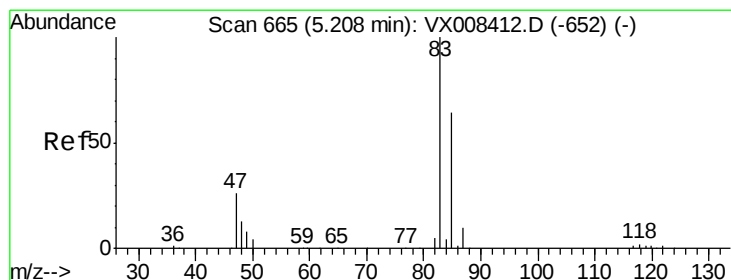
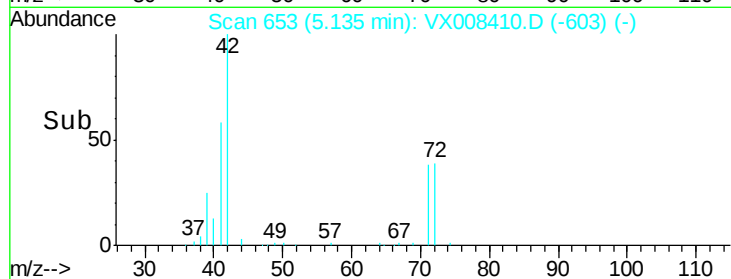
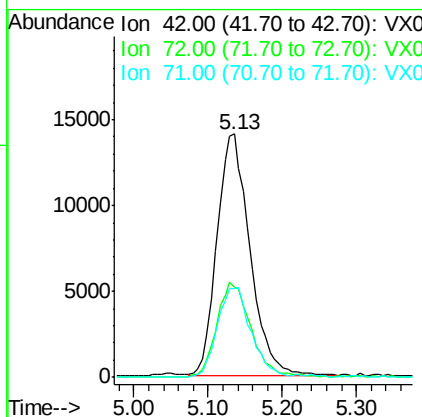
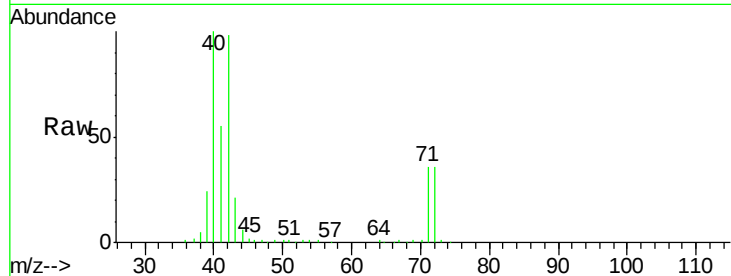
#29
Tetrahydrofuran
Concen: 25.647 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	31.4	47.2
71	37.9	29.4	44.2

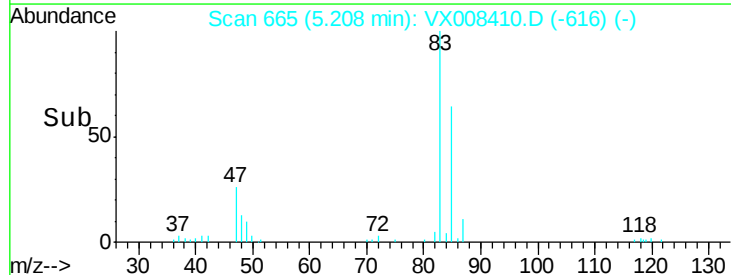
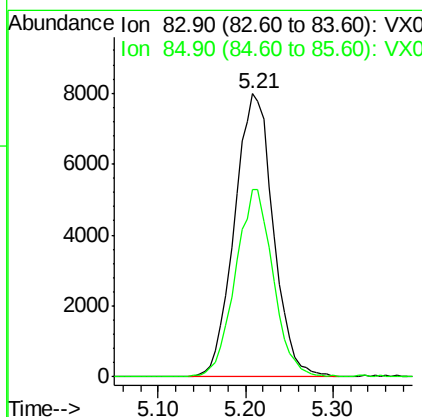
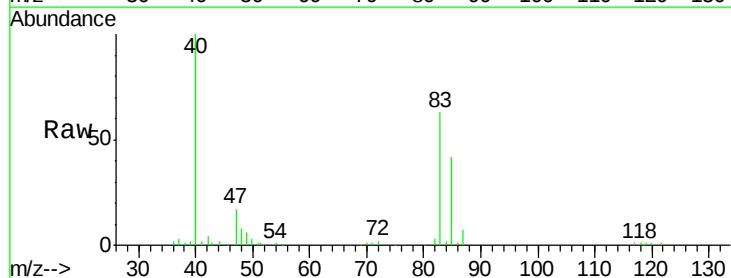
Manual Integrations
APPROVED

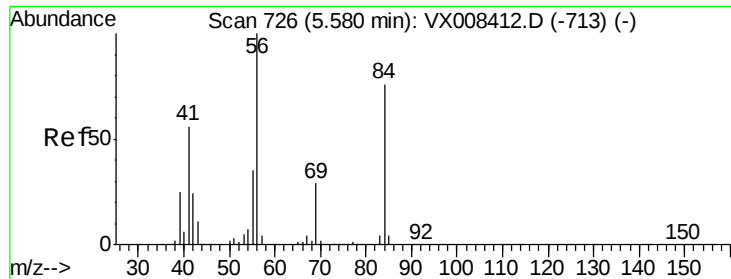
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#30
Chloroform
Concen: 5.348 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.4	77.2





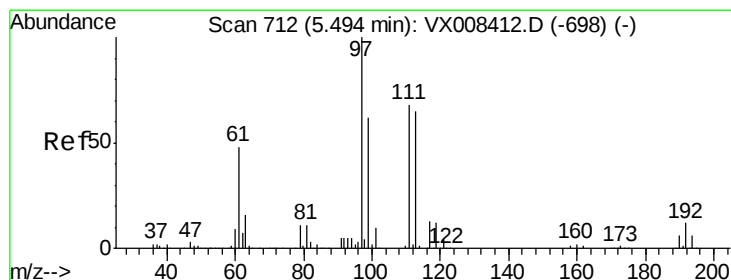
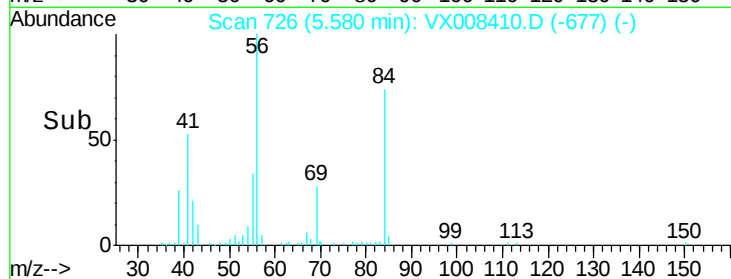
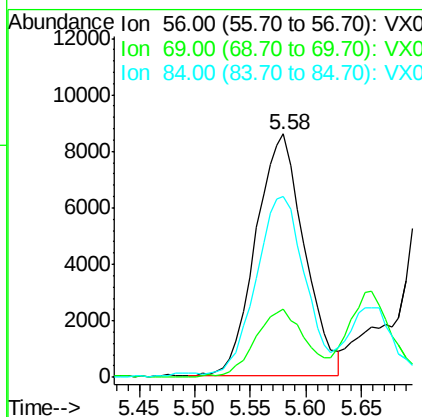
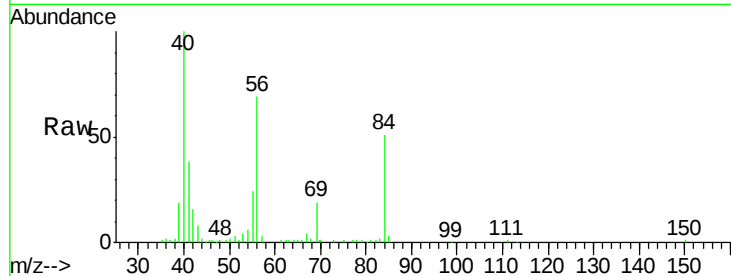
#31
Cyclohexane
Concen: 5.344 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.2	34.8
84	73.2	60.7	91.1

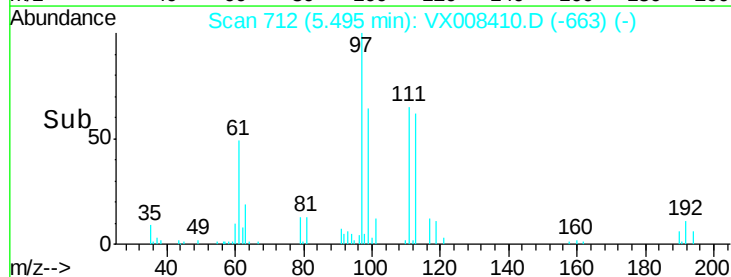
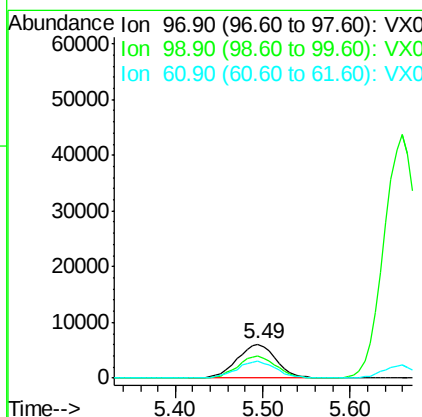
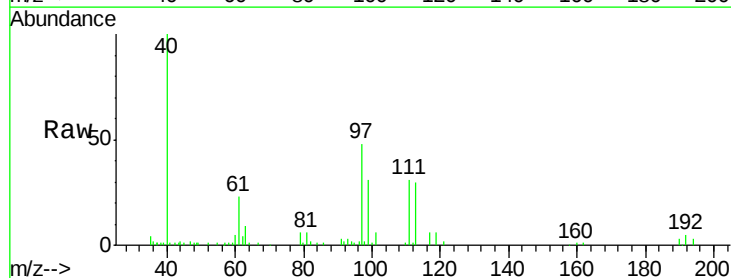
Manual Integrations
APPROVED

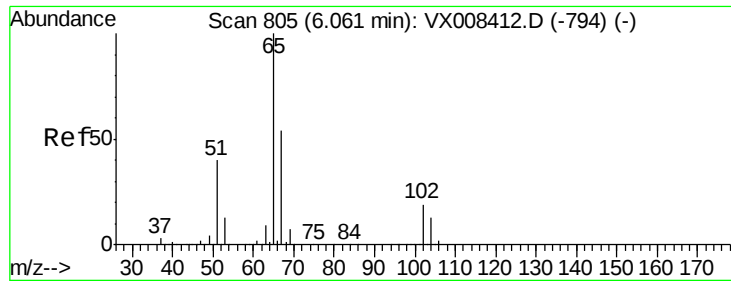
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#32
1,1,1-Trichloroethane
Concen: 5.156 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	49.8	38.8	58.2





#33

1,2-Dichloroethane-d4

Concen: 5.326 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 16473

Ion Ratio Lower Upper

65 100

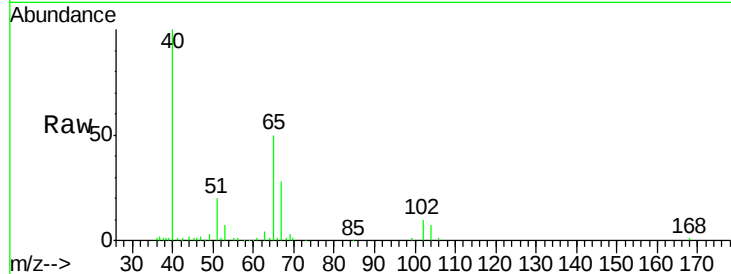
67 53.5 0.0 109.4

Manual Integrations

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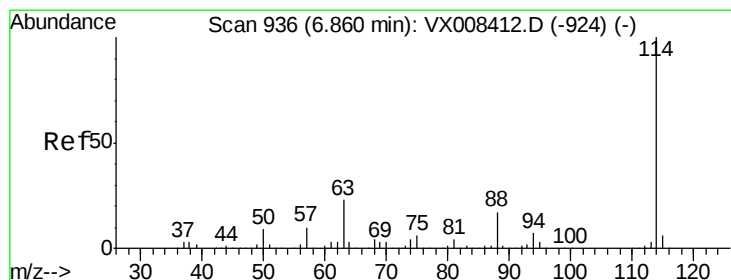
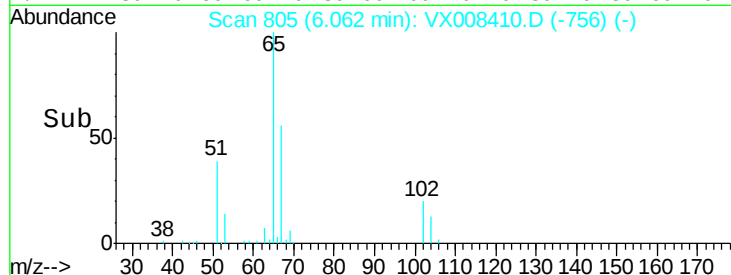
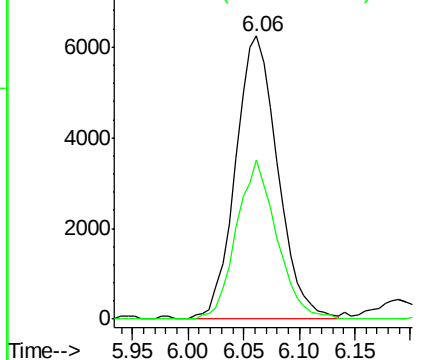
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

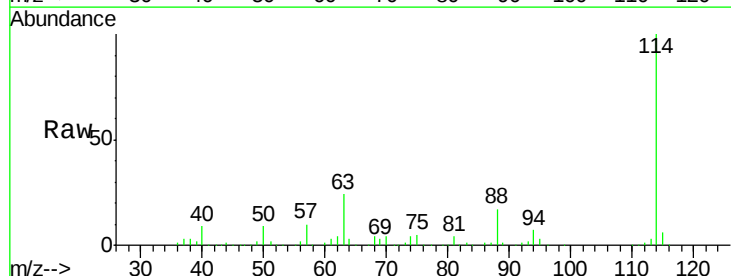
Tgt Ion: 114 Resp: 347651

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.4

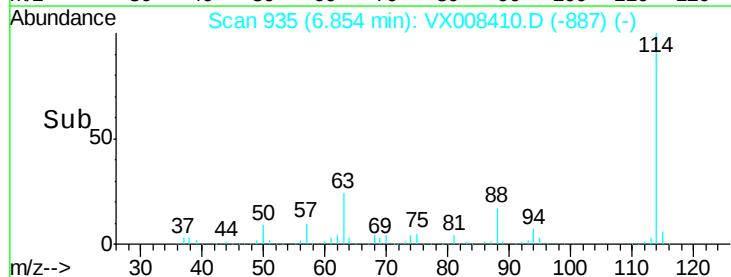
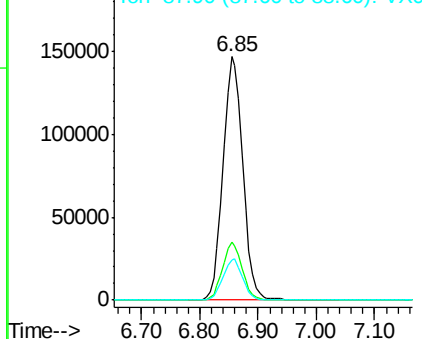
88 16.6 0.0 33.2

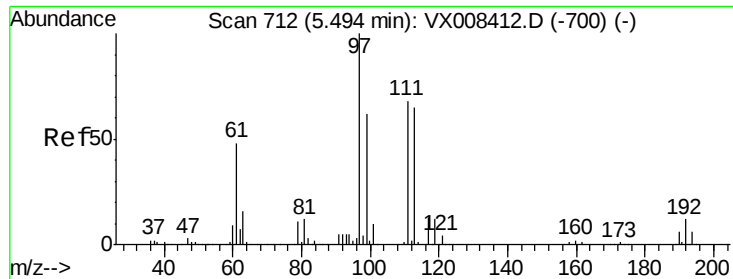


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





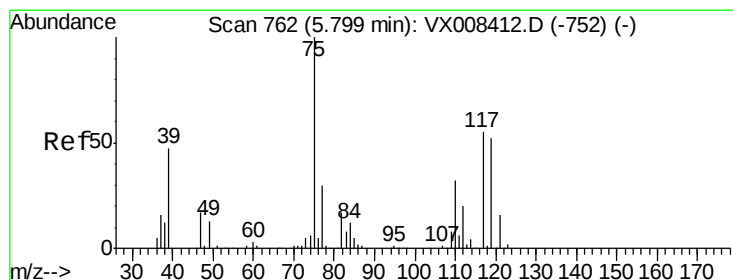
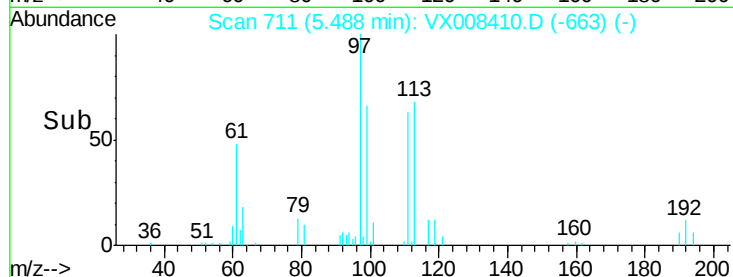
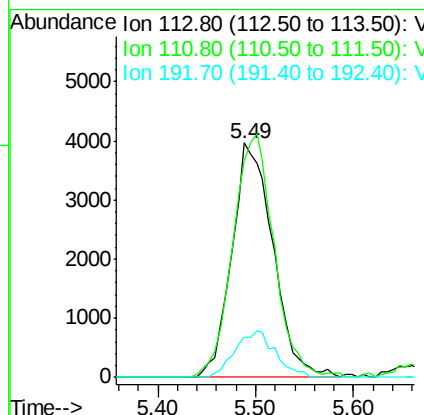
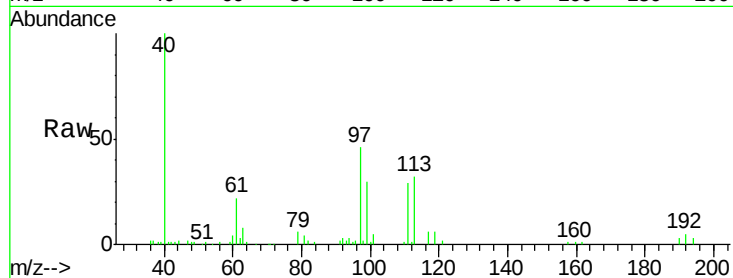
#35
 Dibromofluoromethane
 Concen: 5.153 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	11585		
111	103.8	83.0	124.4	
192	19.5	15.6	23.4	

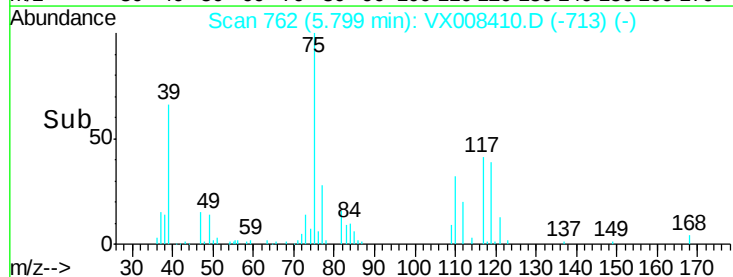
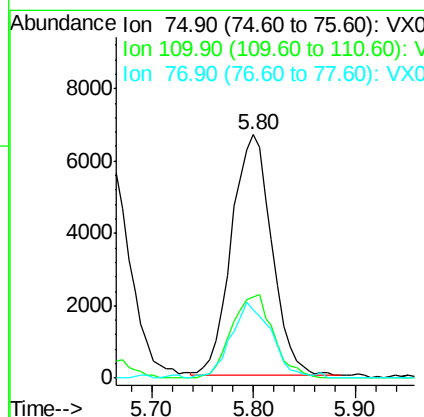
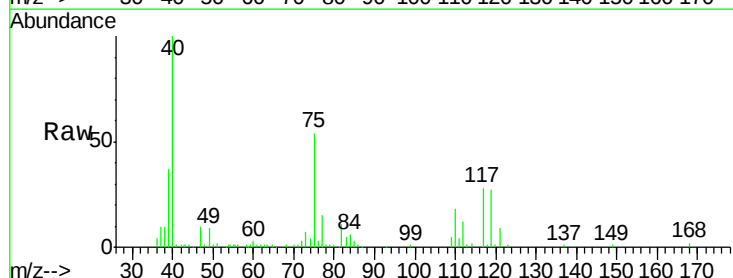
Manual Integrations
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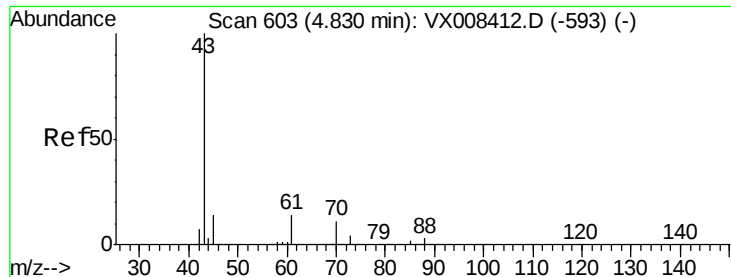
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#36
 1,1-Dichloropropene
 Concen: 5.143 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18243		
110	35.9	16.6	49.7	
77	32.1	24.2	36.2	





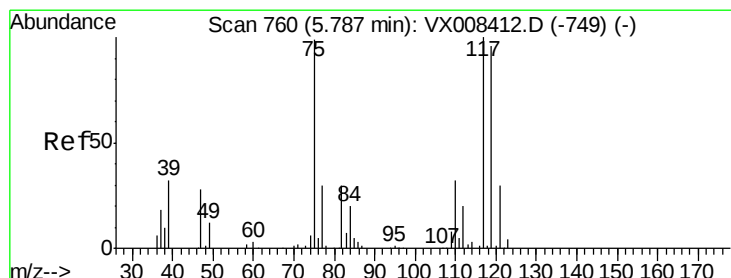
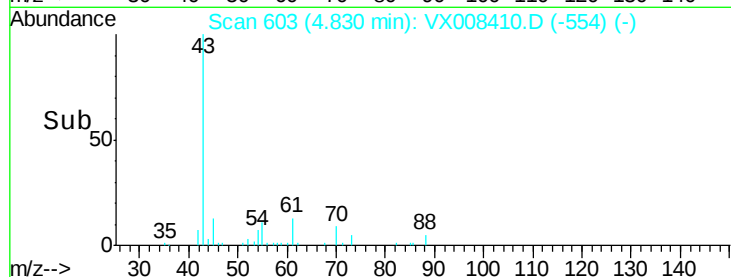
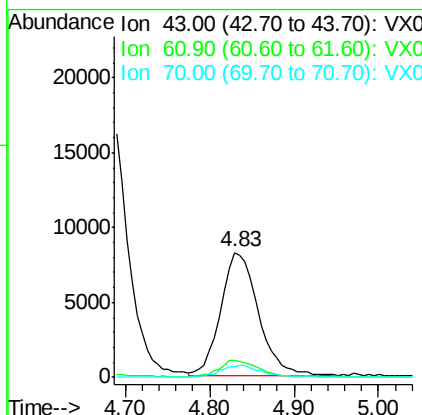
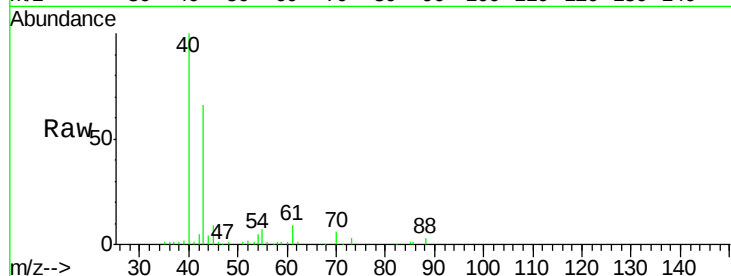
#37
Ethyl Acetate
Concen: 5.179 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	24759
Ion Ratio	100	Lower	Upper
43	100		
61	15.9	10.5	15.7#
70	10.2	7.8	11.8

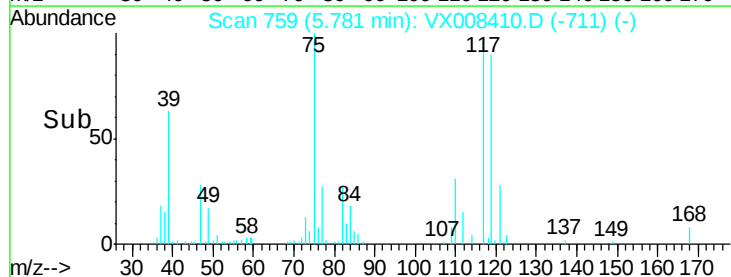
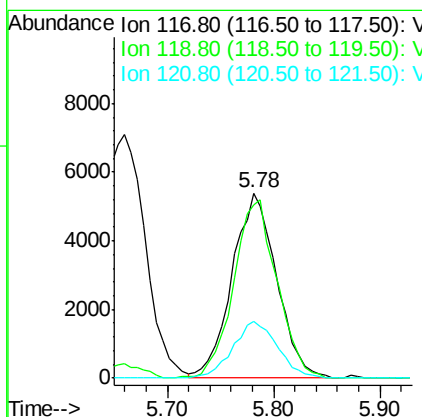
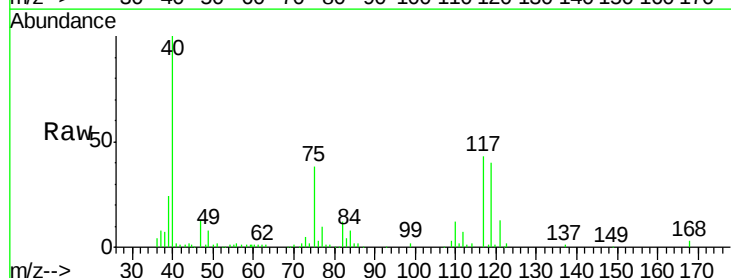
Manual Integrations
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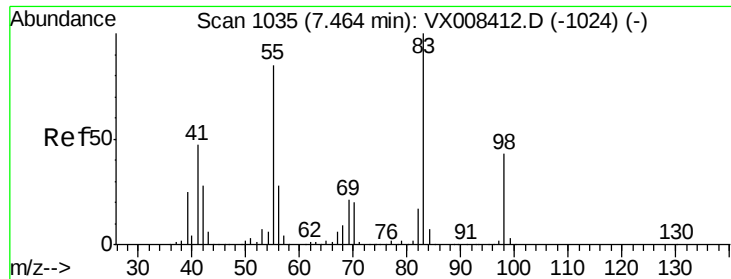
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#38
Carbon Tetrachloride
Concen: 5.173 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	117	Resp	15769
Ion Ratio	100	Lower	Upper
117	100		
119	93.8	76.7	115.1
121	30.7	24.3	36.5





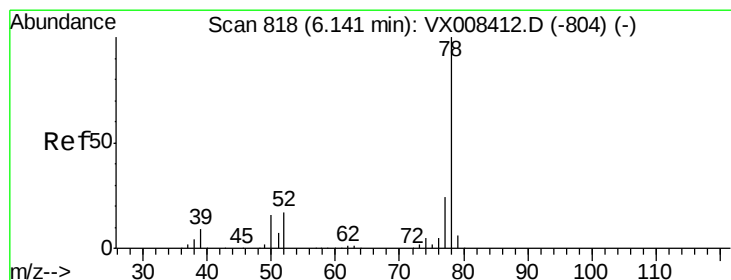
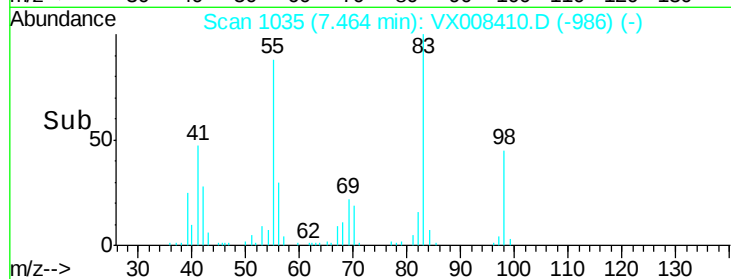
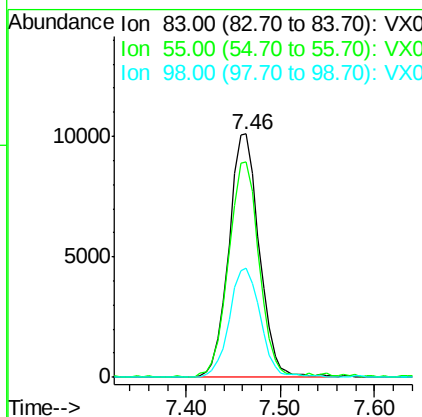
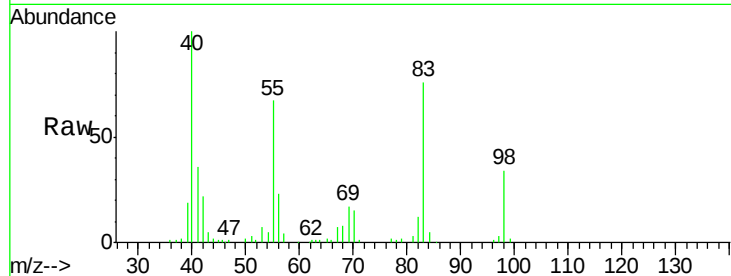
#39
Methvlcvclohexane
Concen: 5.216 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.4	68.2	102.4
98	44.9	34.2	51.4

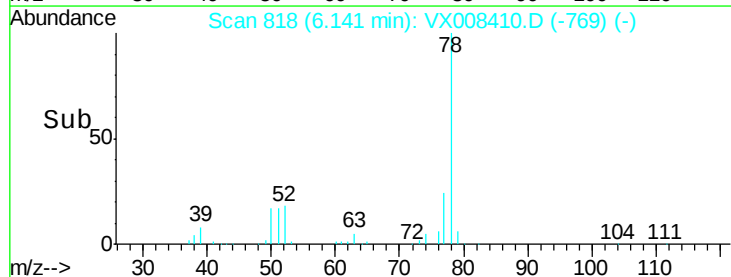
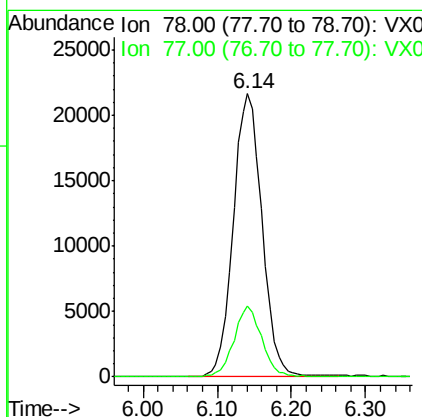
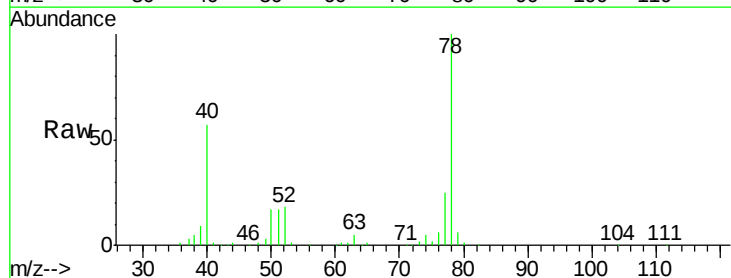
Manual Integrations
APPROVED

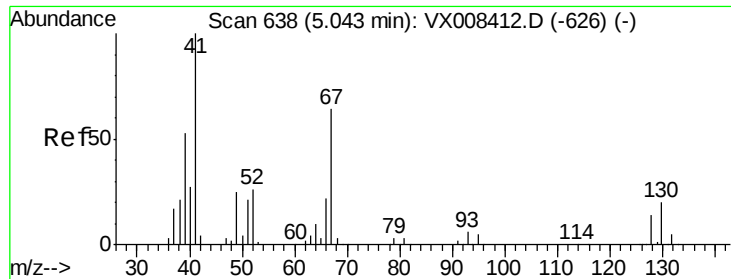
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#40
Benzene
Concen: 5.426 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.3	28.9





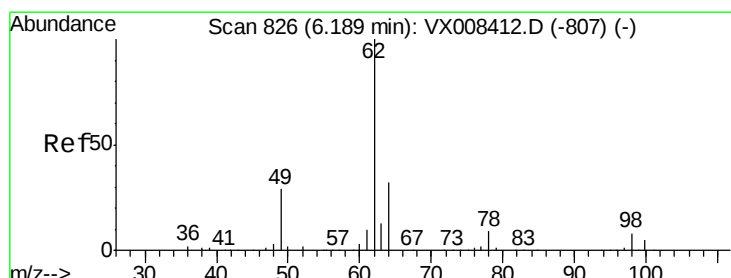
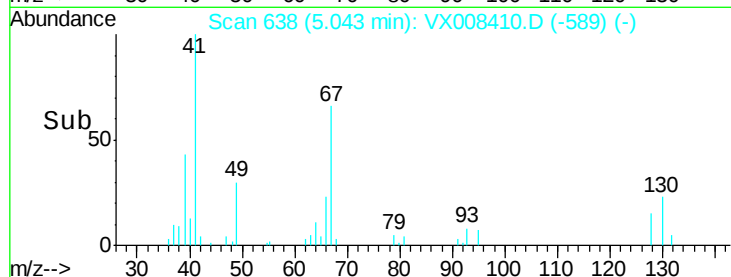
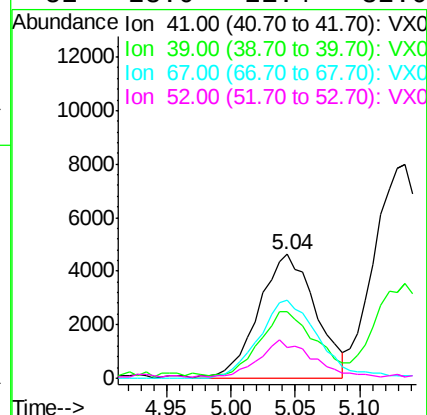
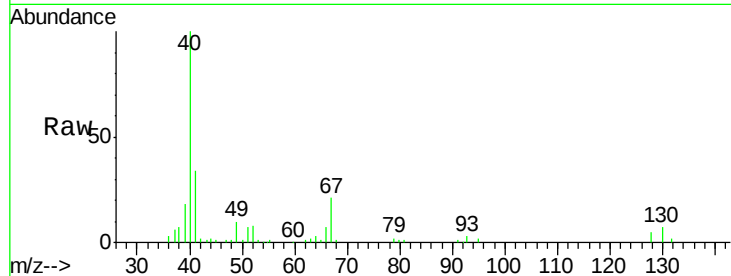
#41
Methacrylonitrile
Concen: 5.444 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.6	42.6	64.0	
67	66.5	52.2	78.4	
52	28.0	21.4	32.0	

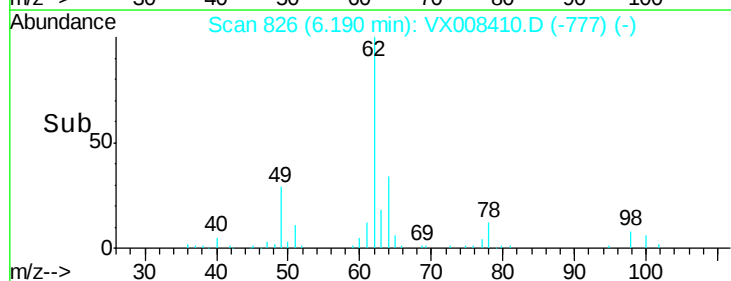
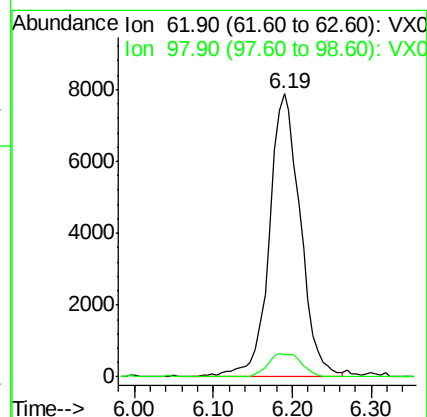
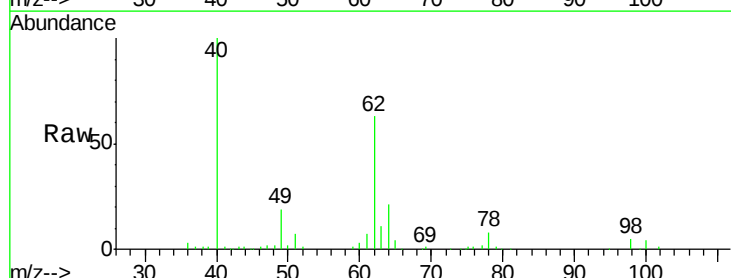
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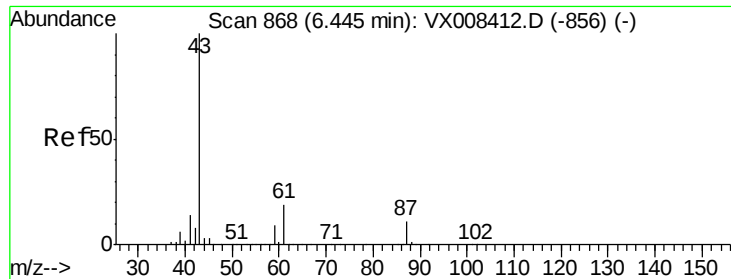
MMDadoda
3/26/2019 9:46:26 AM



#42
1,2-Dichloroethane
Concen: 5.493 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	17.6	





#43

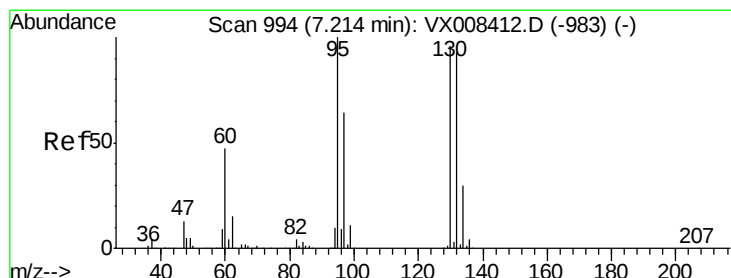
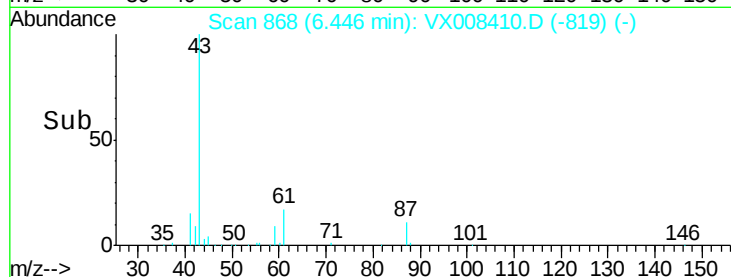
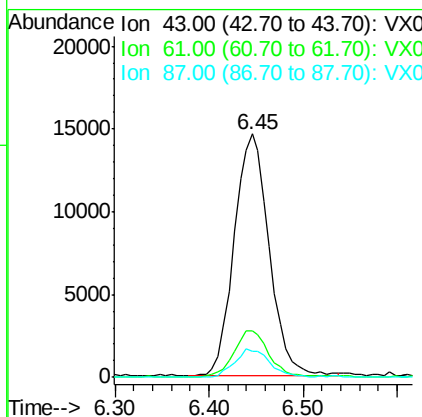
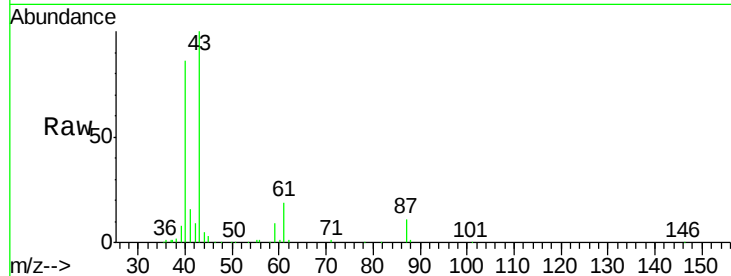
Isopropyl Acetate
 Concen: 5.056 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.4	23.2
87	11.7	9.1	13.7

Manual Integrations
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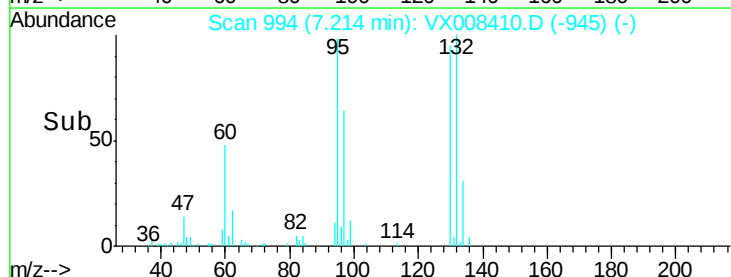
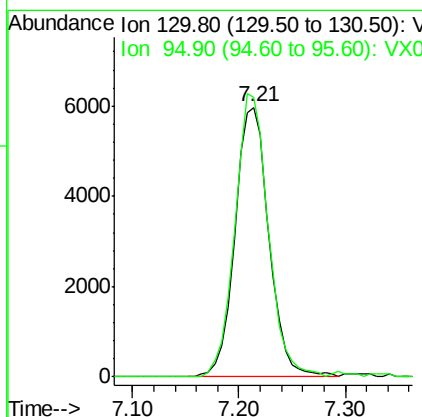
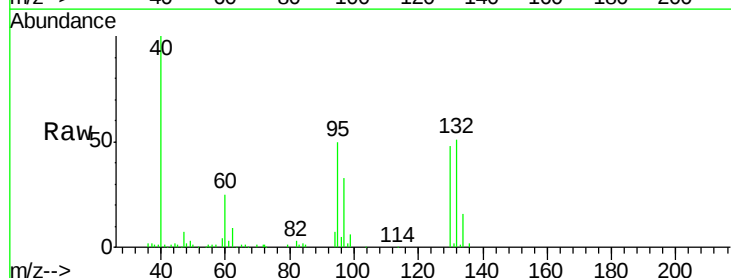
MMDadoda
 3/26/2019 9:46:26 AM

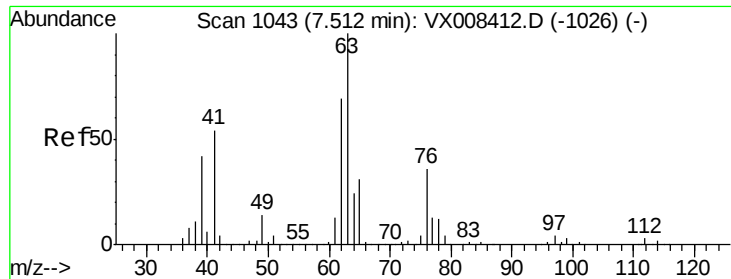


#44

Trichloroethene
 Concen: 5.321 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	208.8





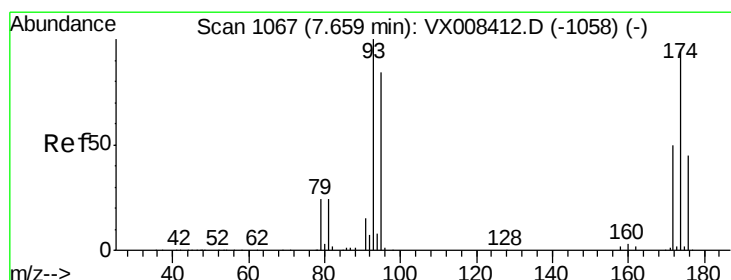
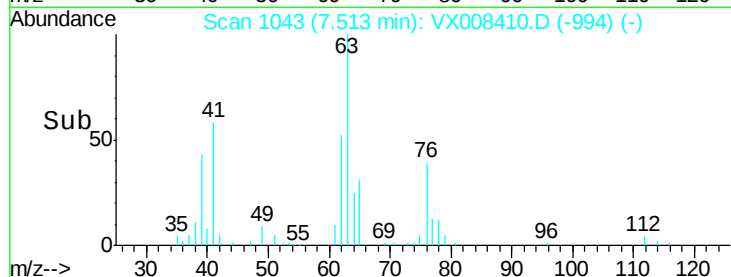
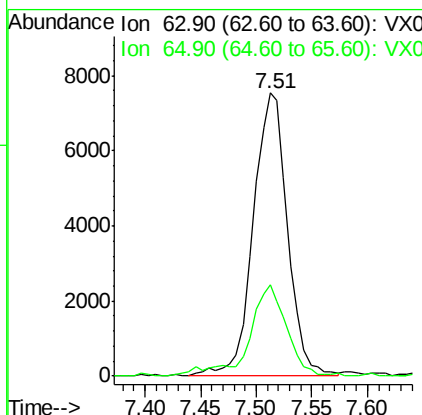
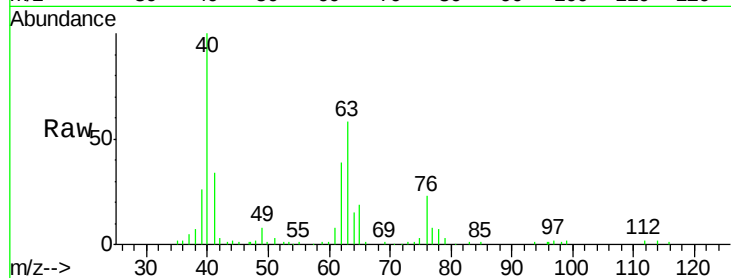
#45
1,2-Dichloropropane
Concen: 5.301 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.1	37.7

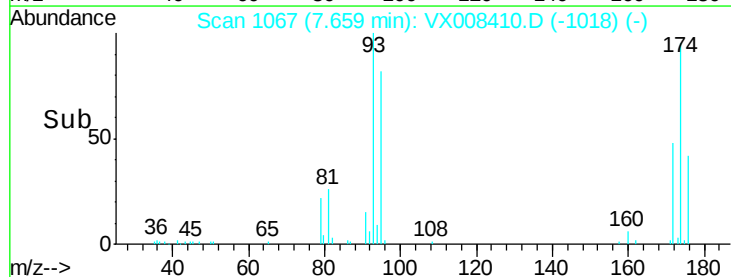
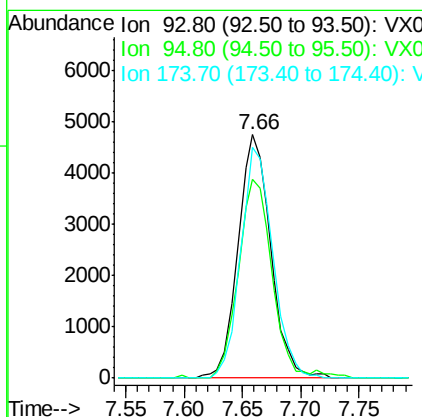
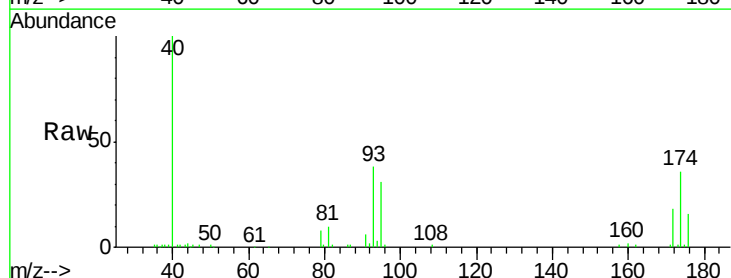
Manual Integrations
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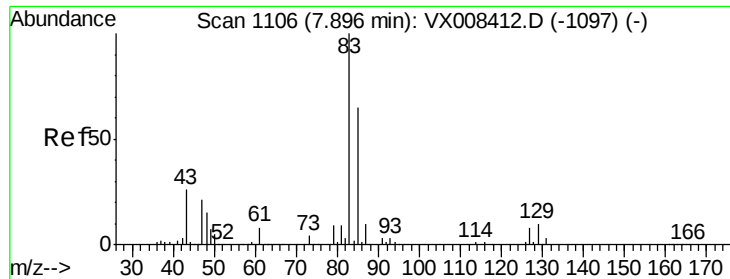
MMDadoda
3/26/2019 9:46:26 AM



#46
Dibromomethane
Concen: 5.102 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.0	100.6
174	93.2	76.0	114.0





#47

Bromodichloromethane

Concen: 5.080 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

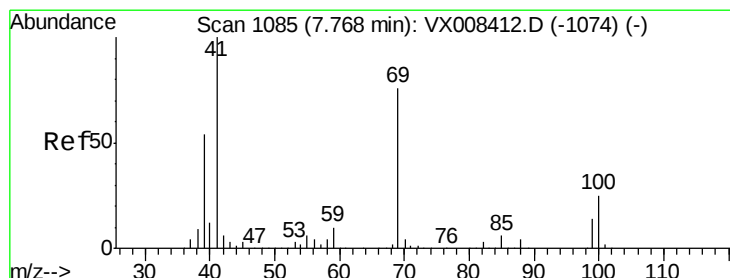
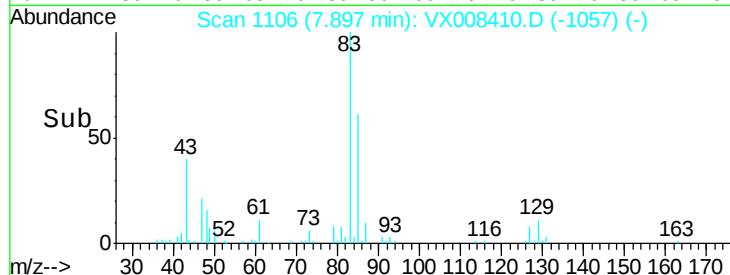
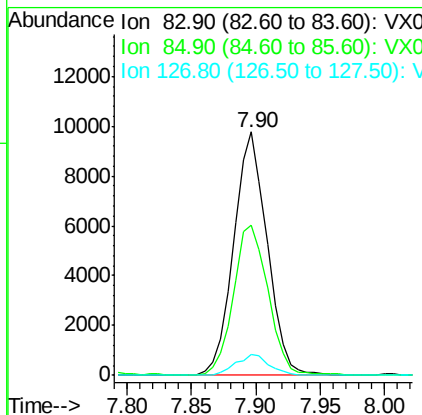
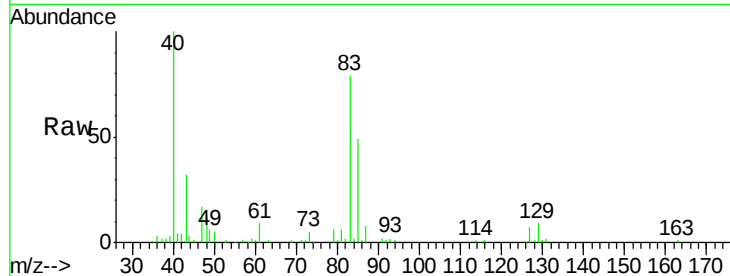
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	17604
Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.0	78.0
127	8.3	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.142 ug/l

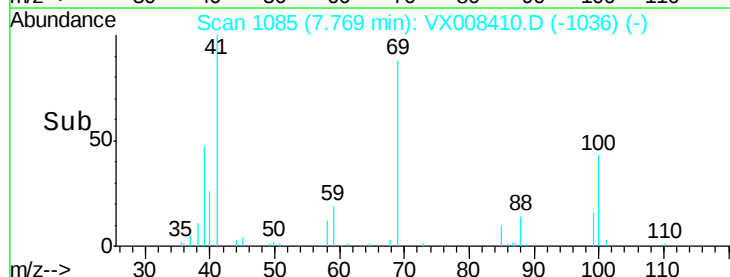
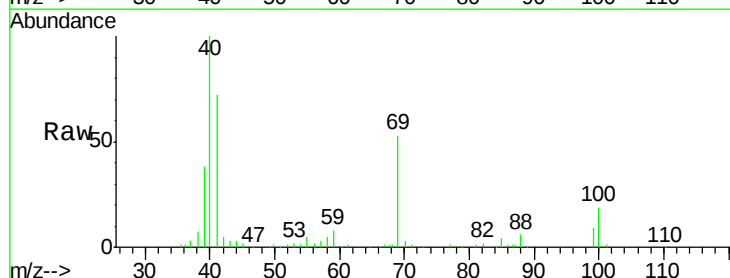
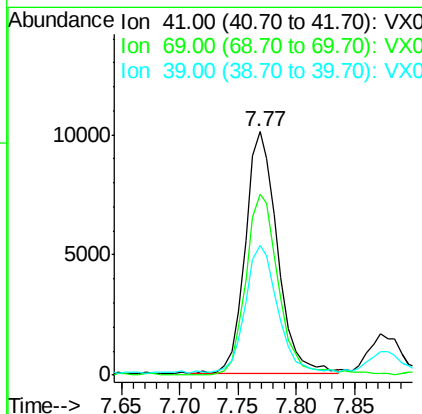
RT: 7.77 min Scan# 1085

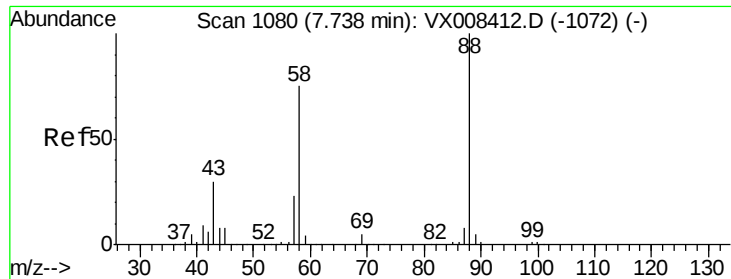
Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Tgt Ion:	41	Resp:	19433
Ion	Ratio	Lower	Upper
41	100		
69	76.7	60.8	91.2
39	51.6	42.3	63.5





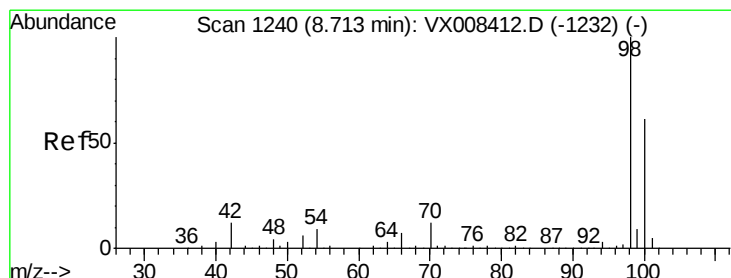
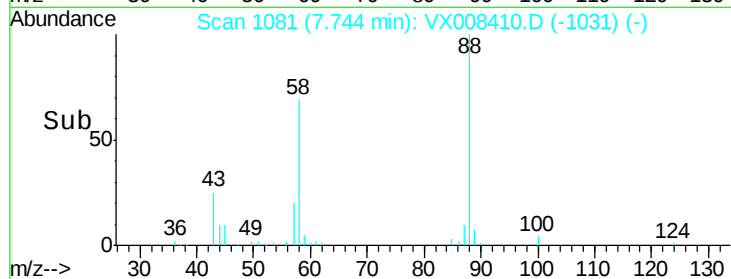
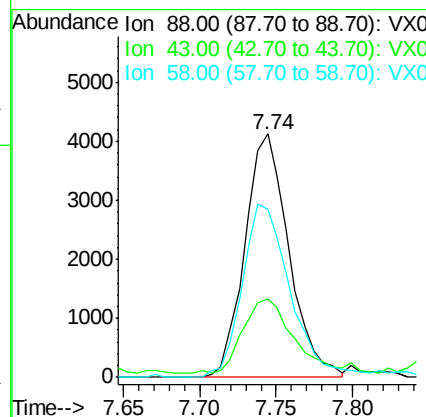
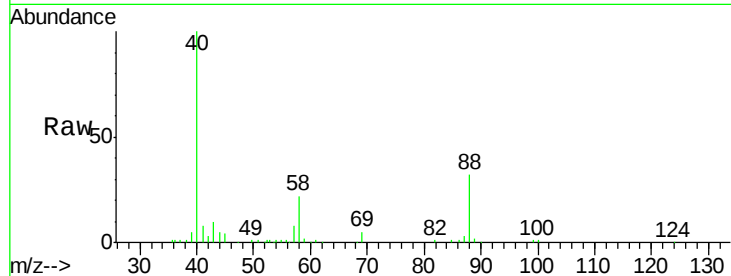
#49
1,4-Dioxane
Concen: 108.013 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.6	43.0
58	77.5	63.0	94.4

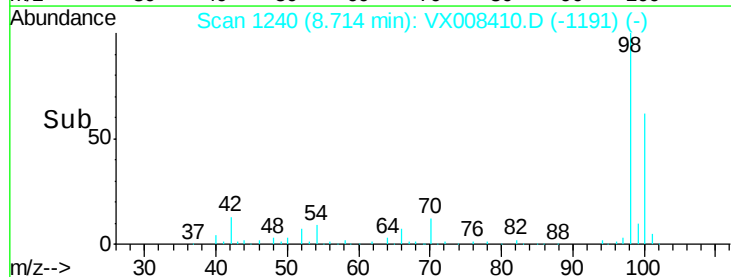
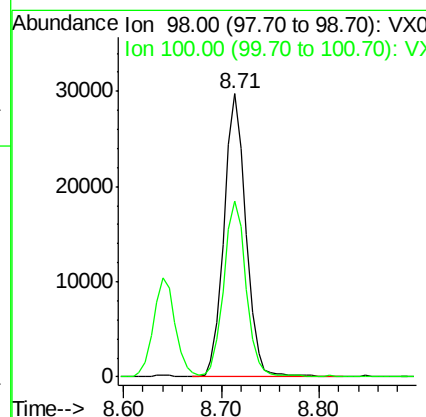
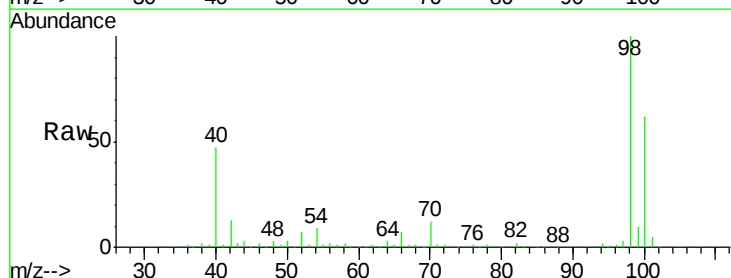
Manual Integrations
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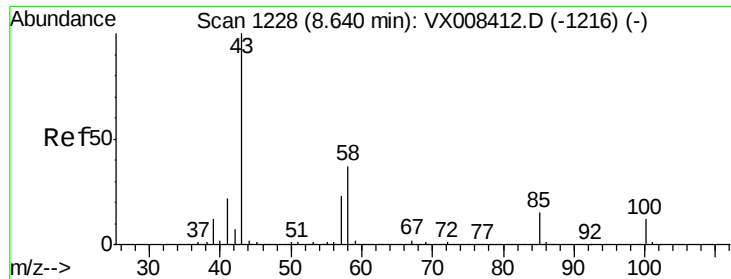
MMDadoda
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#50
Toluene-d8
Concen: 5.202 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 26.437 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 129994

Ion Ratio Lower Upper

43 100

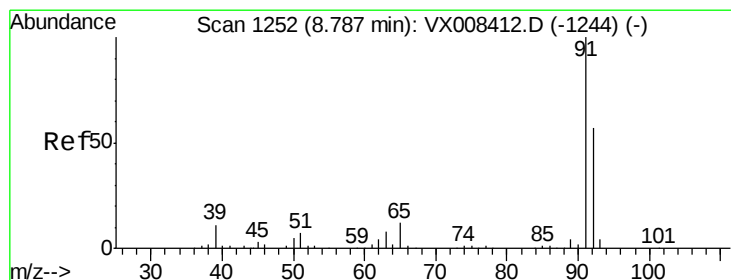
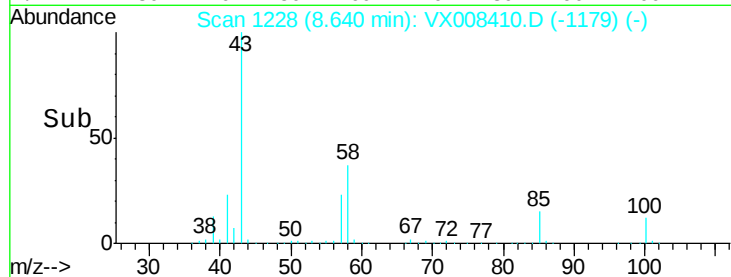
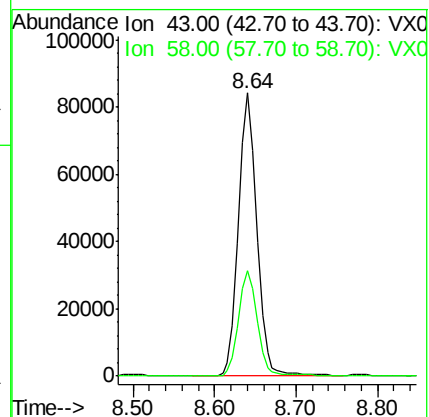
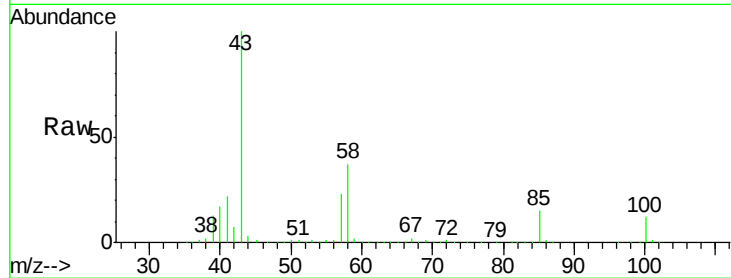
58 37.5 29.8 44.8

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#52

Toluene

Concen: 5.443 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008410.D

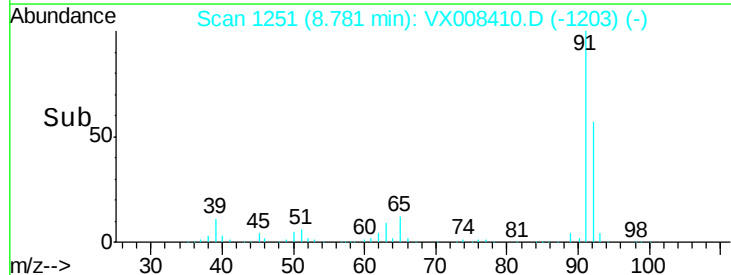
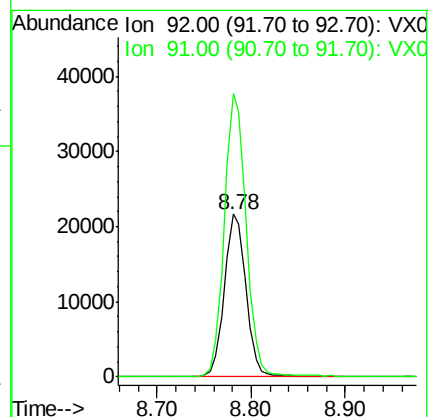
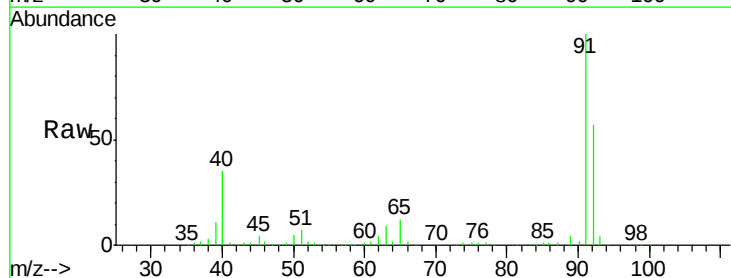
Acq: 25 Mar 2019 14:07

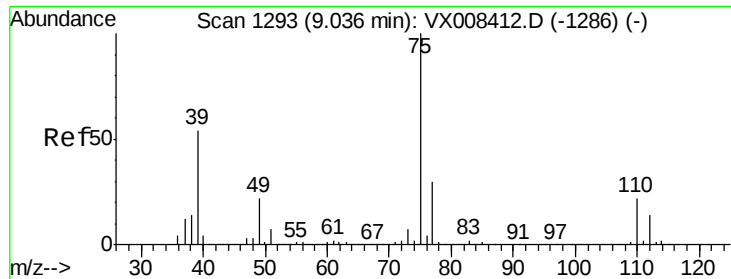
Tgt Ion: 92 Resp: 34600

Ion Ratio Lower Upper

92 100

91 174.7 140.2 210.4





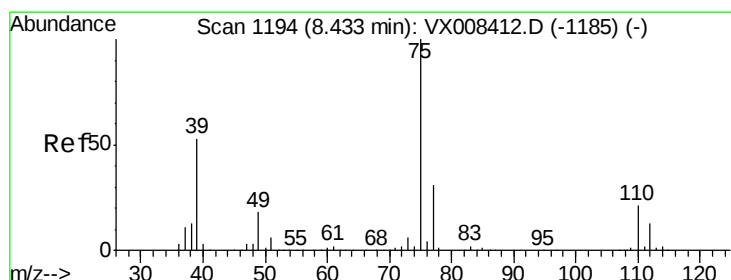
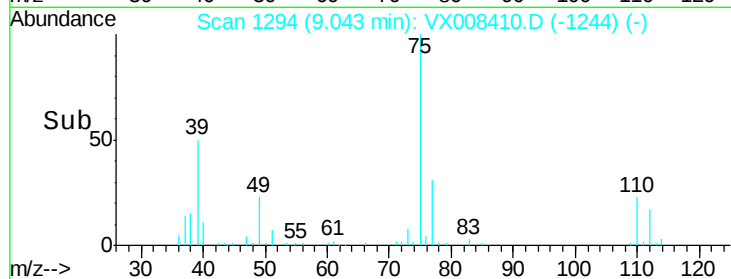
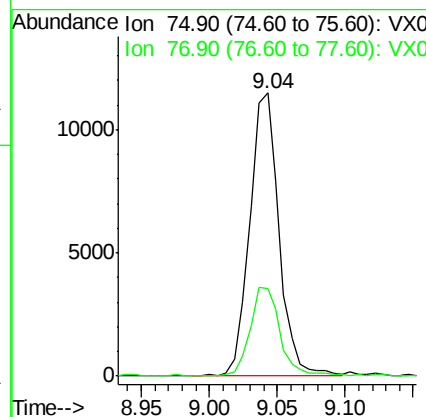
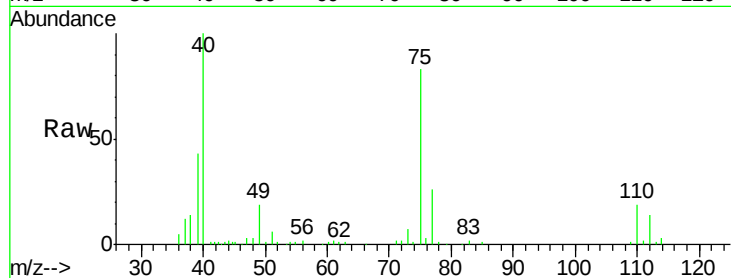
#53
t-1,3-Dichloropropene
Concen: 4.658 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 17388
Ion Ratio Lower Upper
75 100
77 30.9 24.3 36.5

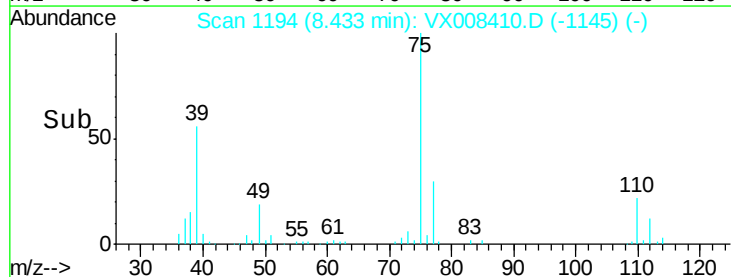
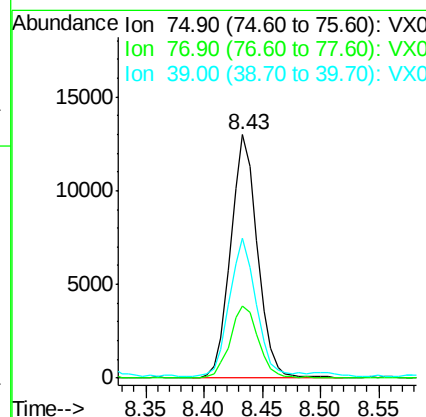
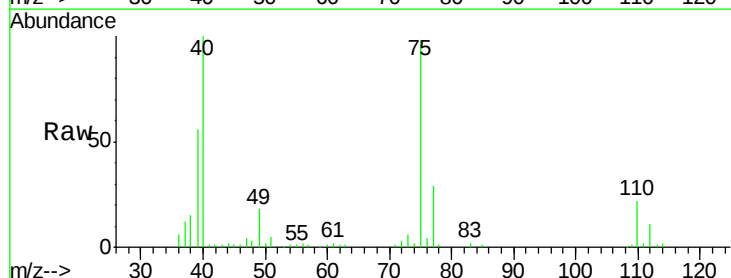
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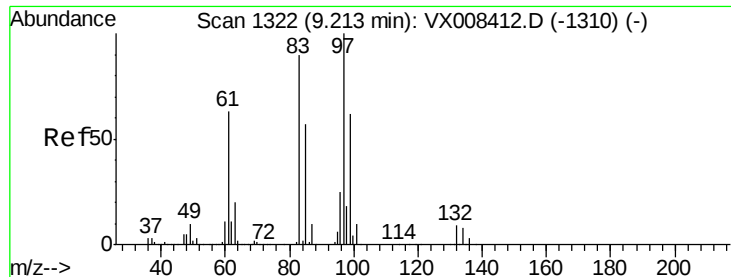
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#54
cis-1,3-Dichloropropene
Concen: 4.944 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion: 75 Resp: 20853
Ion Ratio Lower Upper
75 100
77 29.8 24.7 37.1
39 56.5 42.4 63.6





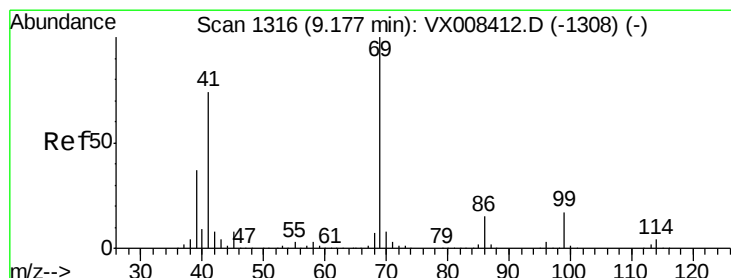
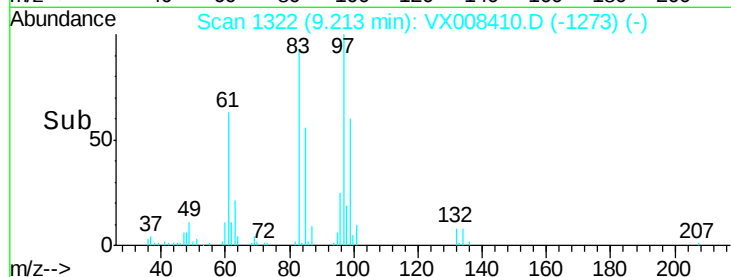
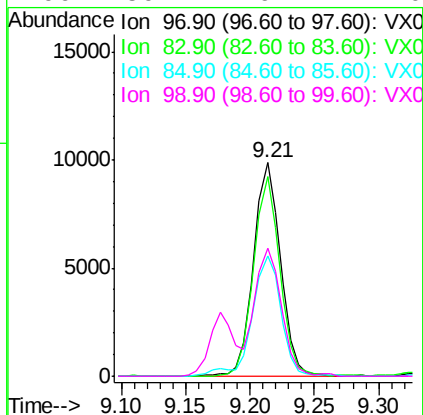
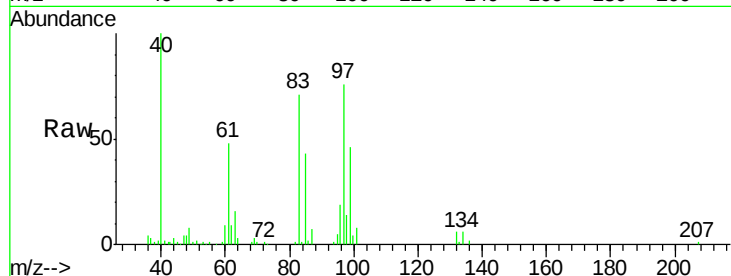
#55
 1,1,2-Trichloroethane
 Concen: 5.390 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	14231
Ion	Ratio	Lower	Upper
97	100		
83	93.3	71.8	107.6
85	56.1	45.9	68.9
99	59.7	49.4	74.0

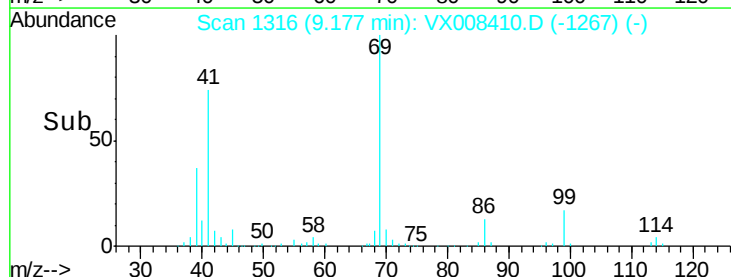
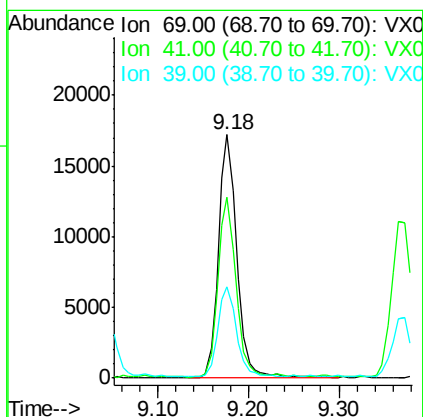
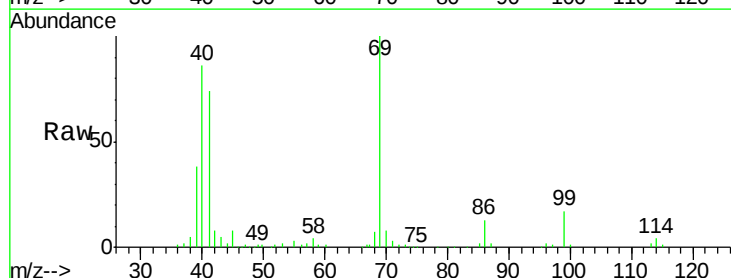
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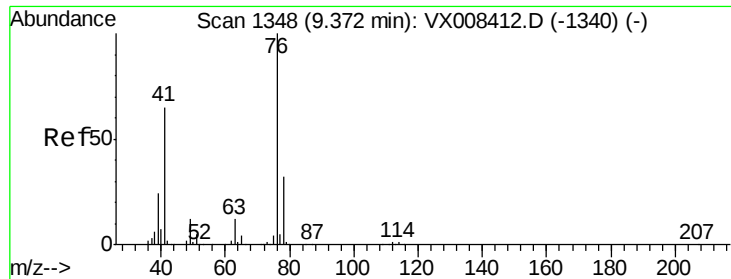
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#56
 Ethyl methacrylate
 Concen: 5.263 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Tgt Ion:	69	Resp:	24634
Ion	Ratio	Lower	Upper
69	100		
41	71.6	59.5	89.3
39	37.2	29.3	43.9





#57

1,3-Dichloropropane

Concen: 5.357 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 25151

Ion Ratio Lower Upper

76 100

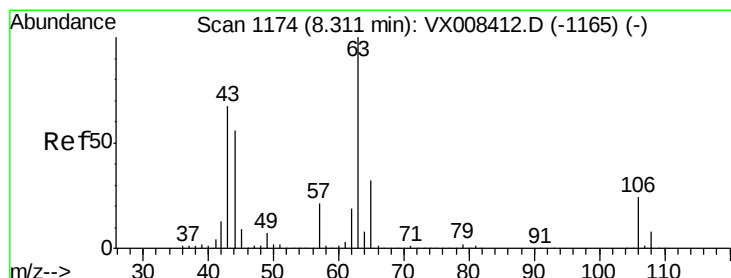
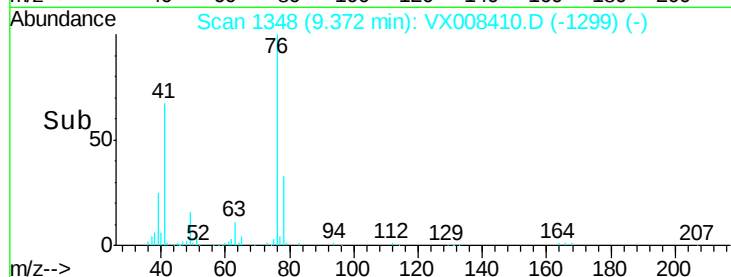
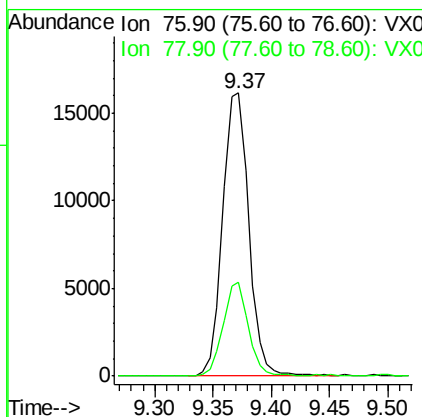
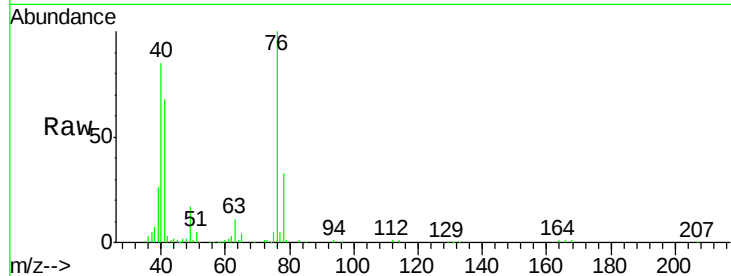
78 32.1 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 26.272 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008410.D

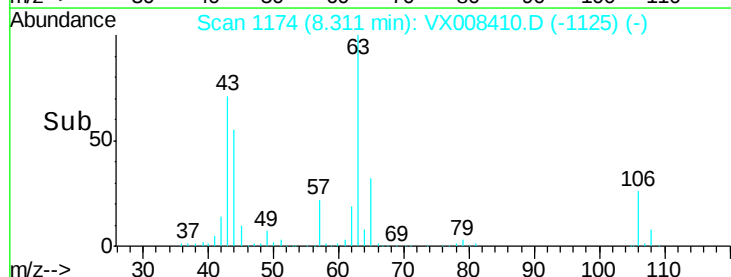
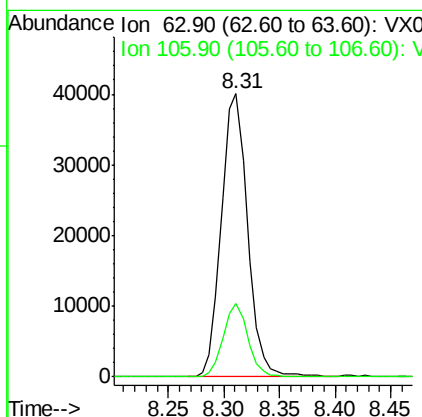
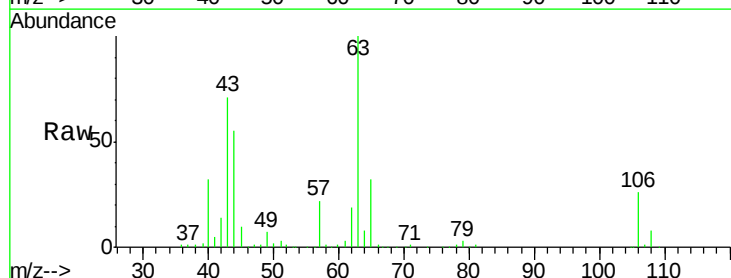
Acq: 25 Mar 2019 14:07

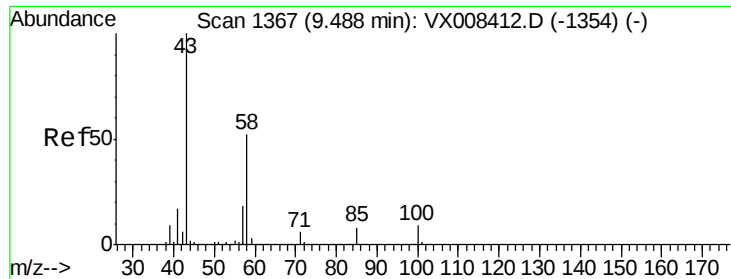
Tgt Ion: 63 Resp: 65698

Ion Ratio Lower Upper

63 100

106 24.6 19.0 28.6





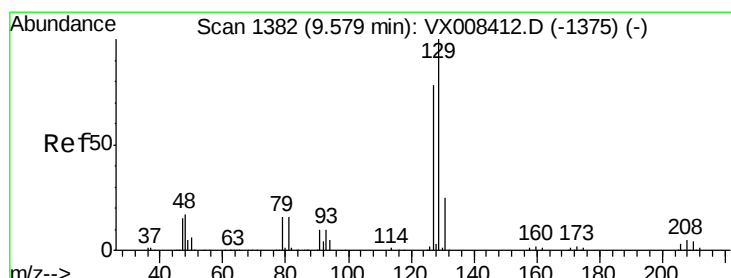
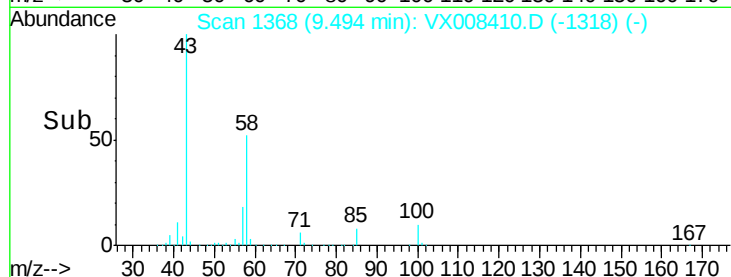
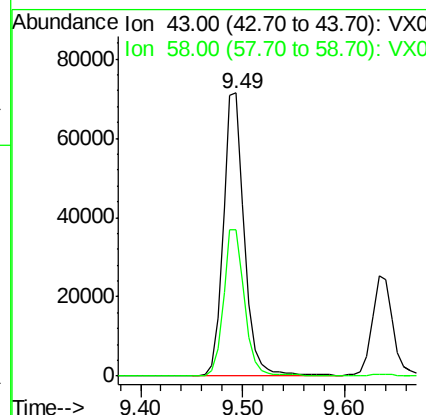
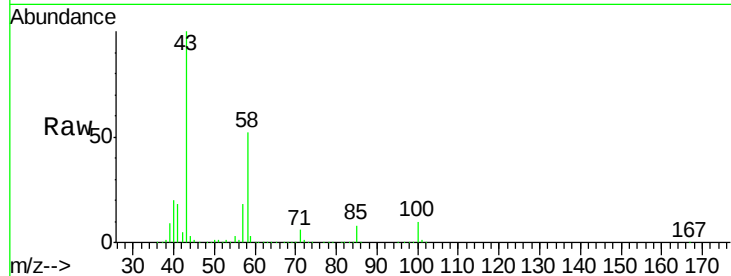
#59
2-Hexanone
Concen: 27.023 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 102521
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.9

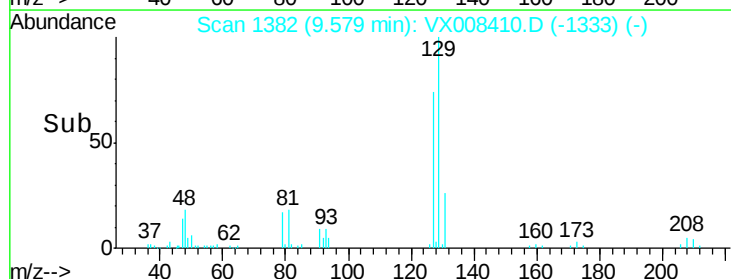
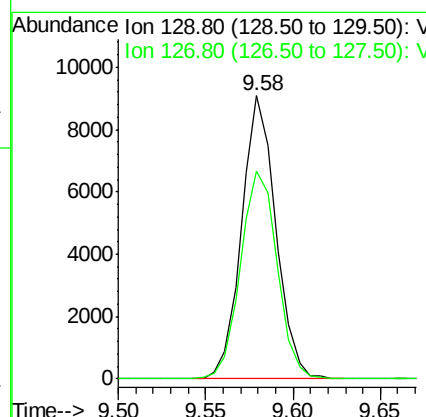
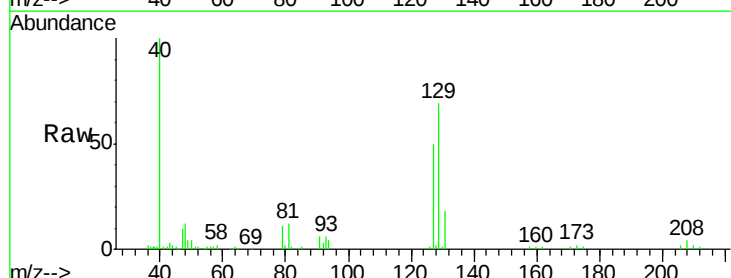
Manual Integrations
APPROVED

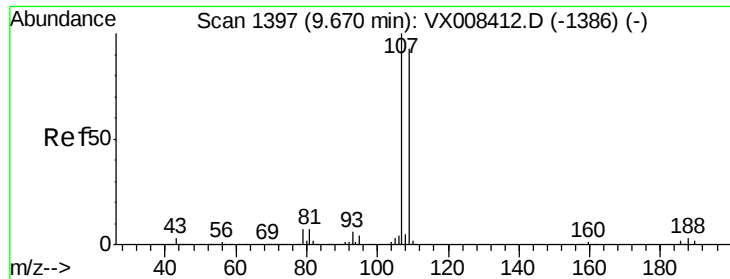
MMDadoda
3/26/2019 9:46:26 AM



#60
Dibromochloromethane
Concen: 5.031 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion: 129 Resp: 12342
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 5.241 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 14027

Ion Ratio Lower Upper

107 100

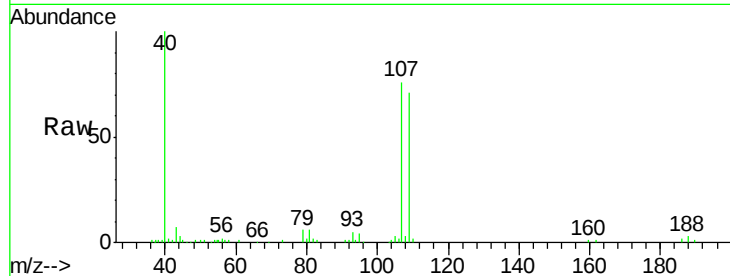
109 94.1 74.6 111.8

Manual Integrations

APPROVED

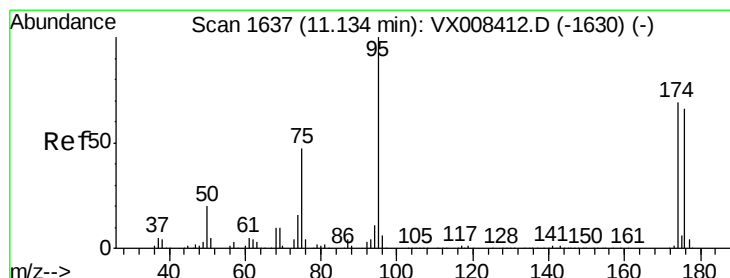
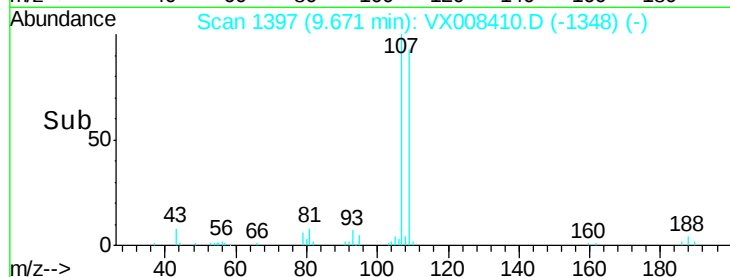
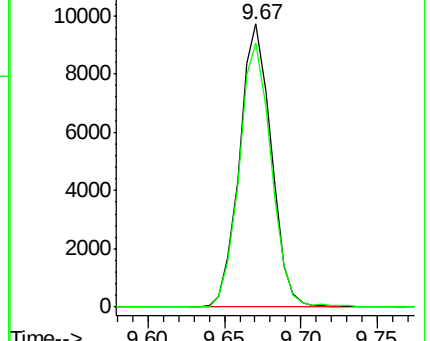
MMDadoda

3/26/2019 9:46:26 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.996 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

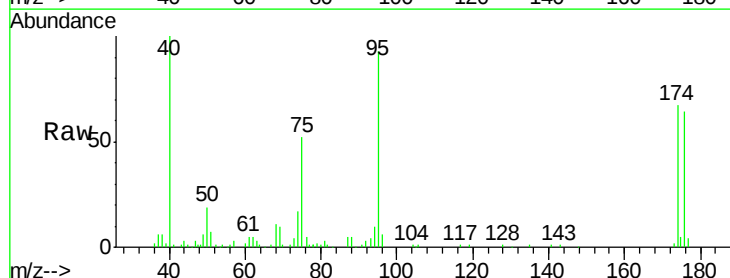
Tgt Ion: 95 Resp: 16502

Ion Ratio Lower Upper

95 100

174 73.2 0.0 147.2

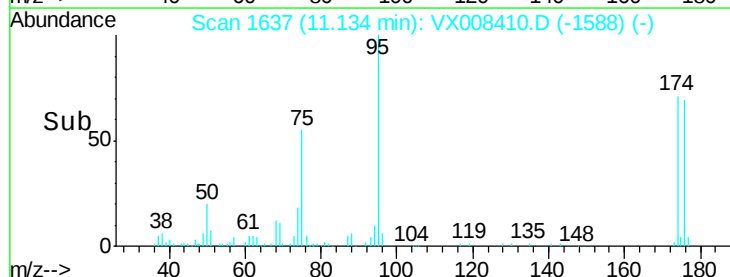
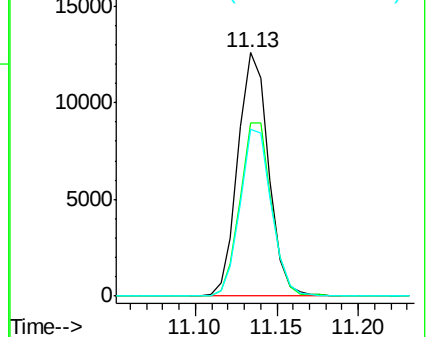
176 70.3 0.0 142.4

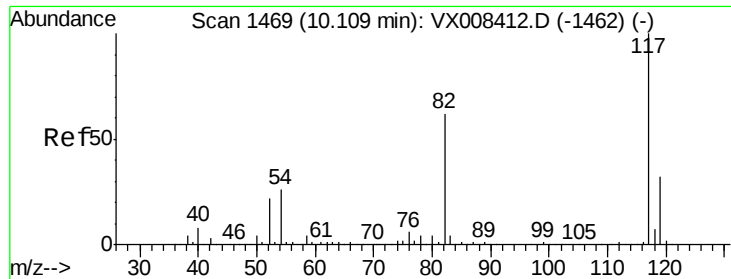


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





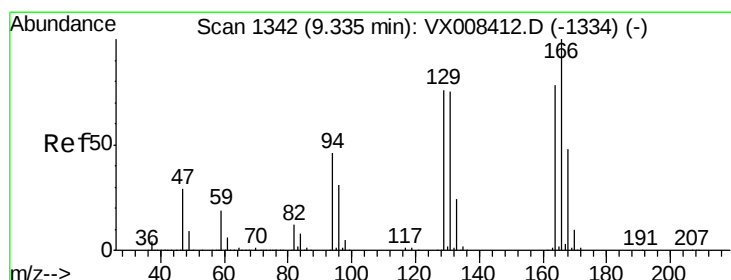
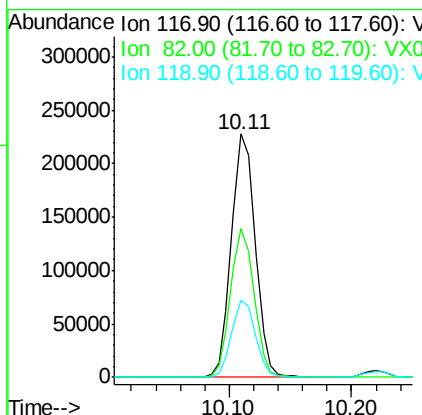
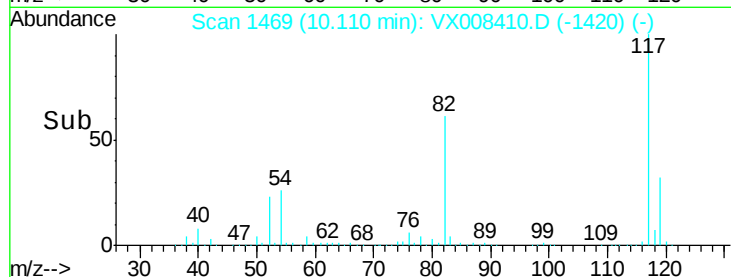
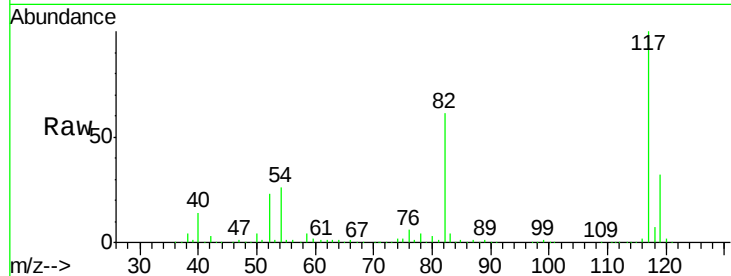
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	49.4	74.2
119	31.8	25.4	38.0

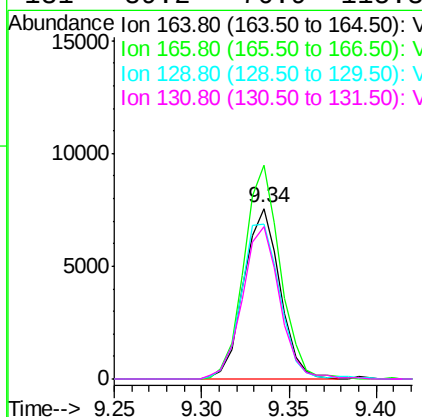
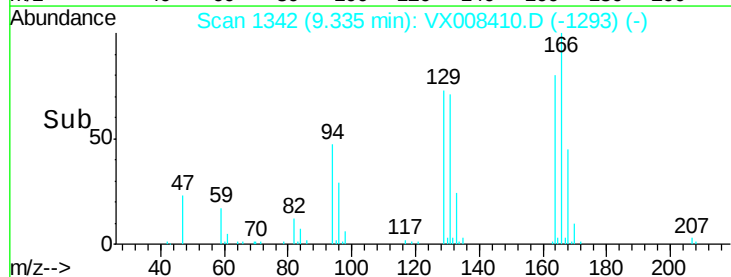
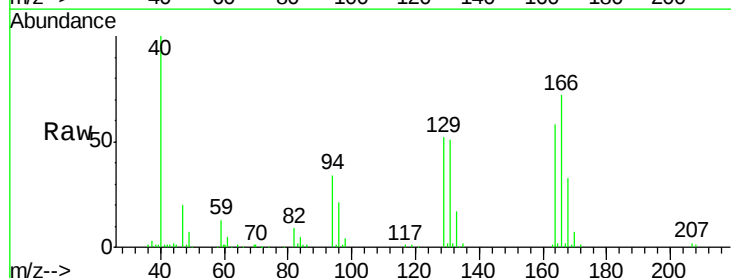
Manual Integrations
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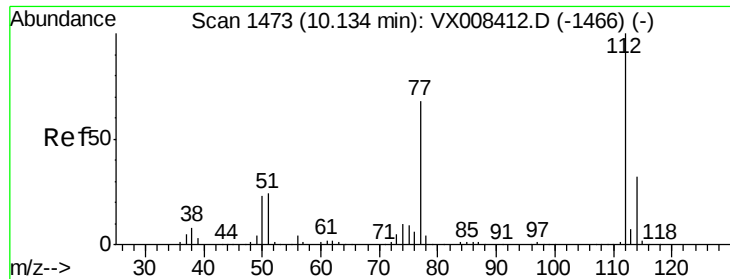
MMDadoda
3/26/2019 9:46:26 AM



#64
Tetrachloroethene
Concen: 5.407 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	102.5	153.7
129	90.8	77.8	116.8
131	89.2	76.9	115.3





#65

Chlorobenzene

Concen: 5.293 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 34258

Ion Ratio Lower Upper

112 100

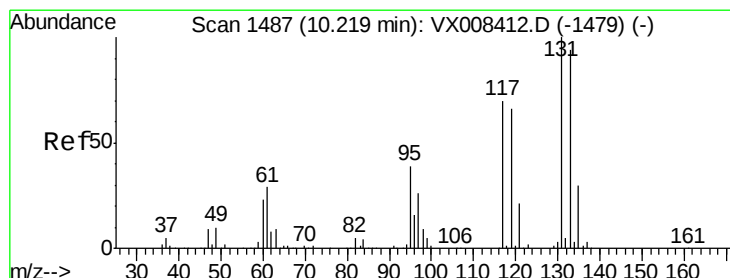
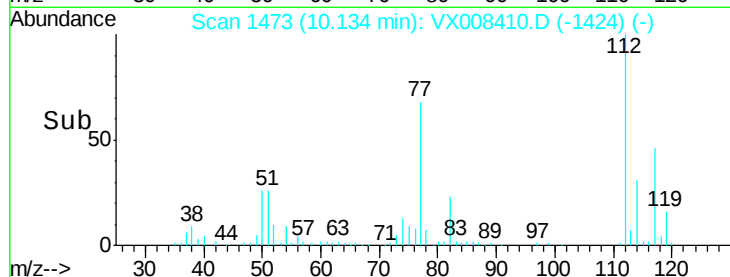
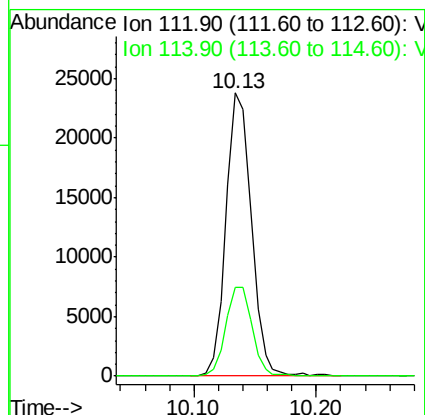
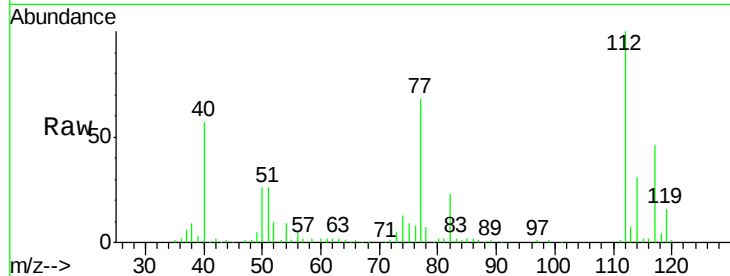
114 31.4 25.4 38.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 5.229 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

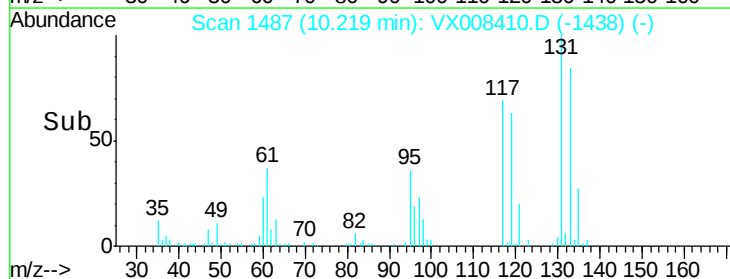
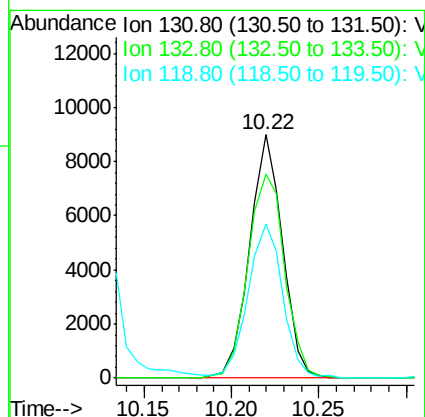
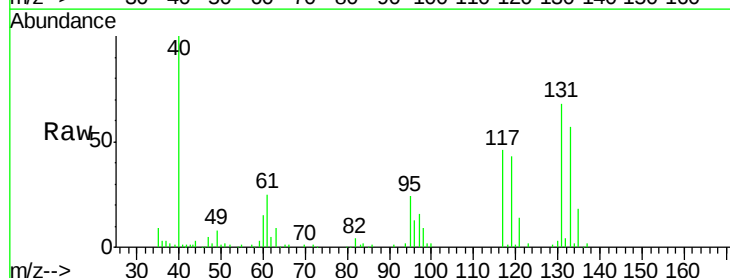
Tgt Ion:131 Resp: 11744

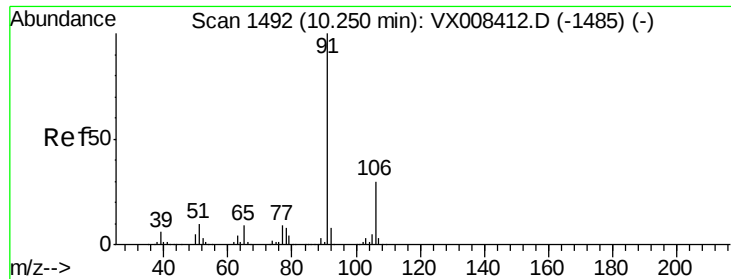
Ion Ratio Lower Upper

131 100

133 93.9 47.3 141.8

119 67.0 33.6 100.6





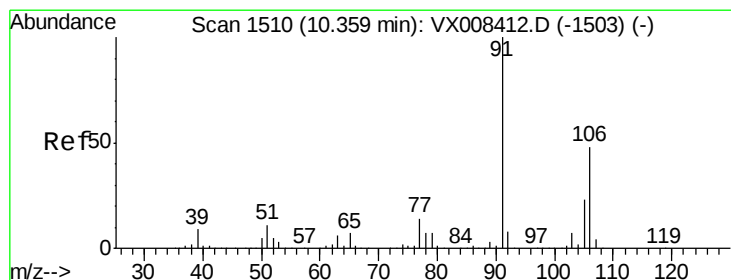
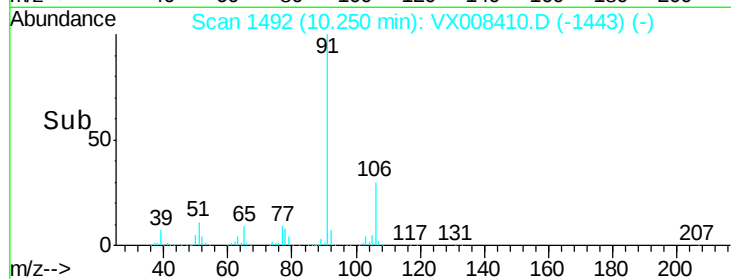
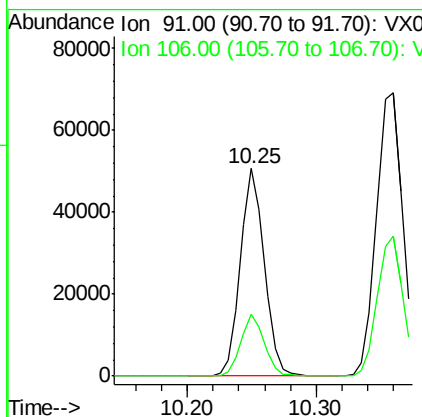
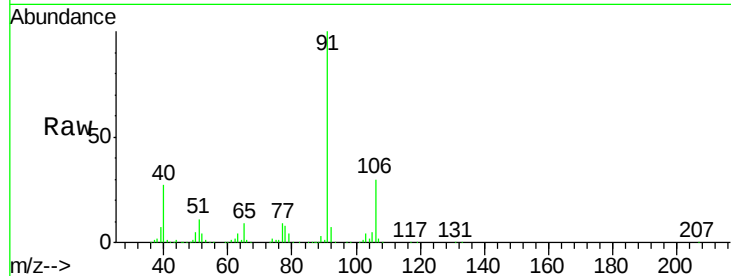
#67
Ethyl Benzene
Concen: 5.402 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 65609
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0

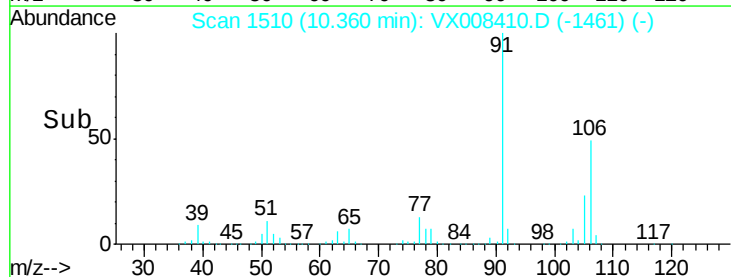
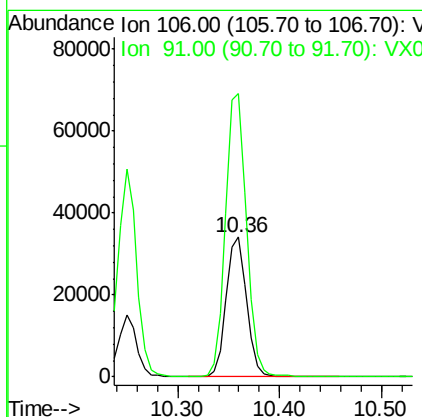
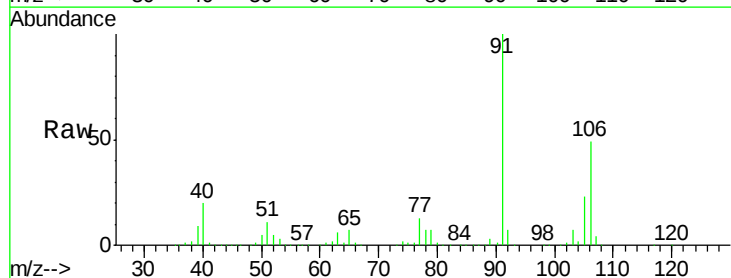
Manual Integrations
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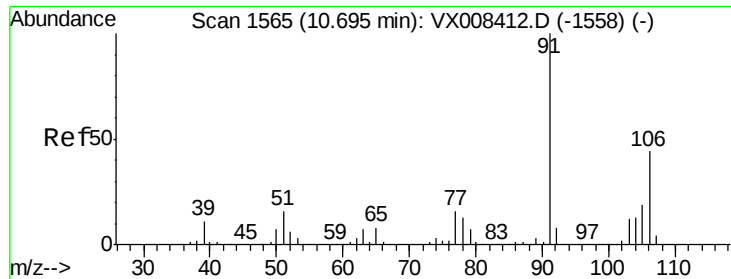
MMDadoda
3/26/2019 9:46:26 AM



#68
m/p-Xylenes
Concen: 10.897 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion: 106 Resp: 47544
Ion Ratio Lower Upper
106 100
91 206.4 168.6 253.0





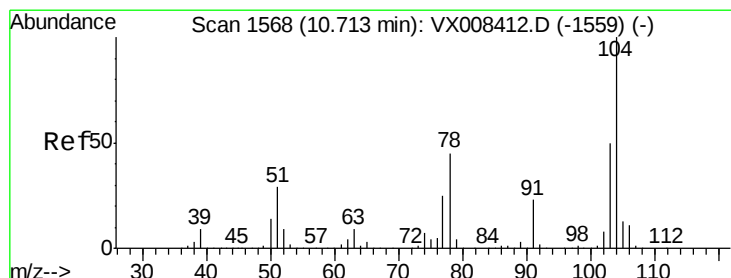
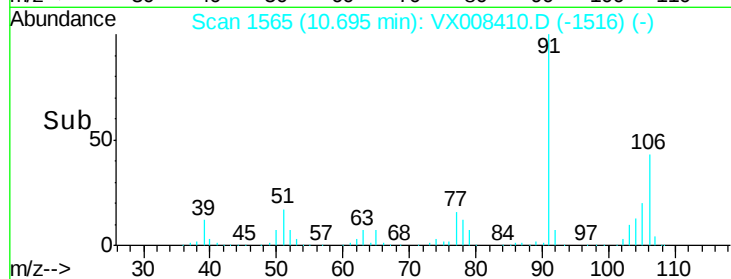
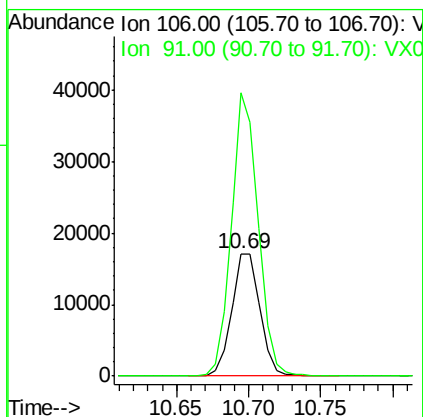
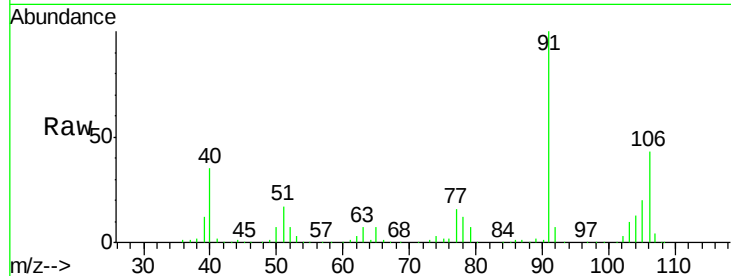
#69
o-Xylene
Concen: 5.501 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 23473
Ion Ratio Lower Upper
106 100
91 219.7 111.4 334.2

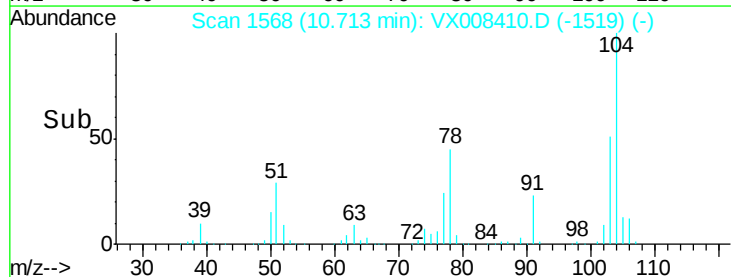
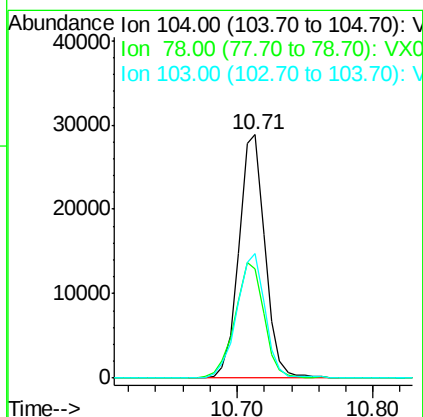
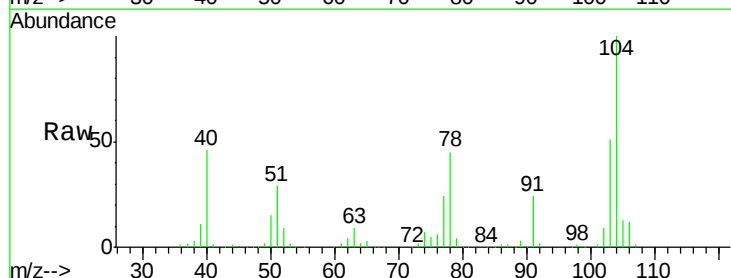
Manual Integrations
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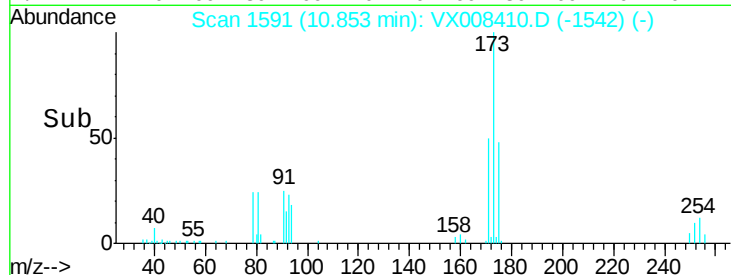
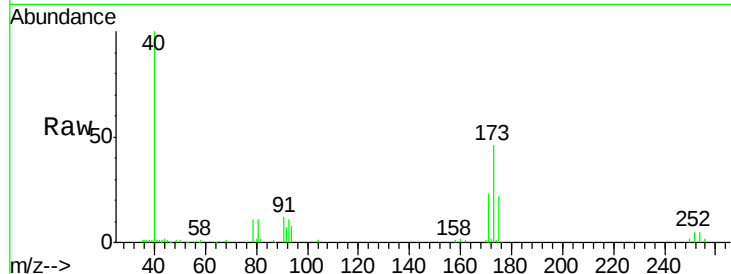
MMDadoda
3/26/2019 9:46:26 AM



#70
Styrene
Concen: 5.225 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion:104 Resp: 38678
Ion Ratio Lower Upper
104 100
78 53.1 42.5 63.7
103 55.5 44.2 66.4





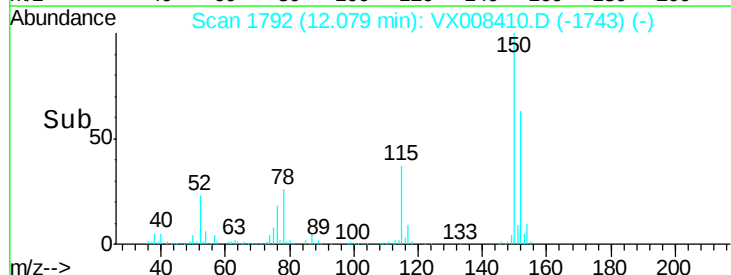
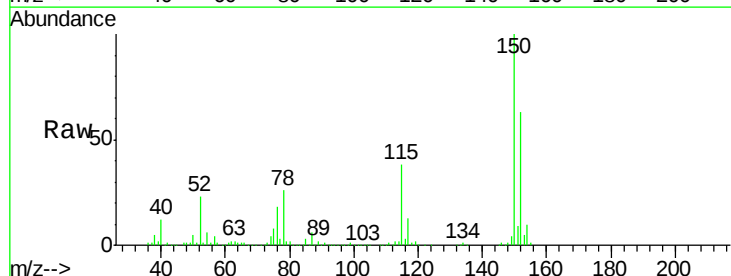
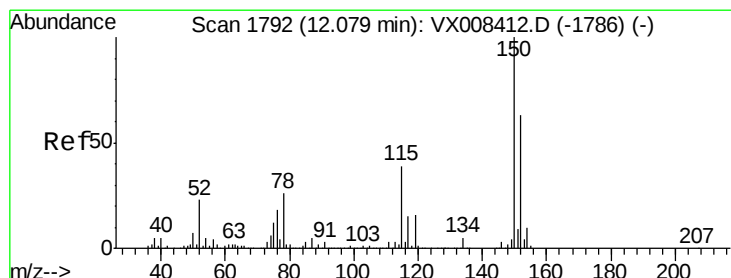
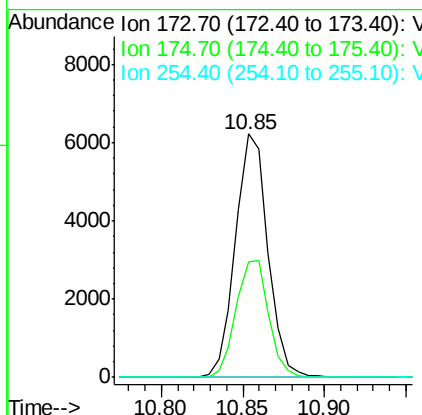
#71
Bromoform
Concen: 4.948 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.2	0.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

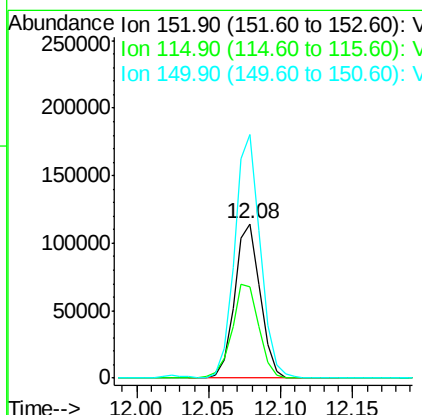
Manual Integrations
APPROVED

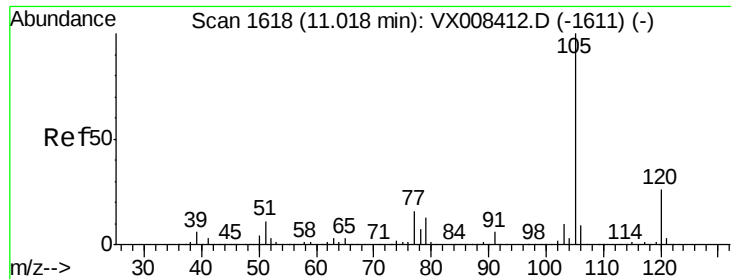
MMDadoda
3/26/2019 9:46:26 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	43.5	130.5
150	158.4	0.0	348.8





#73

Isopropylbenzene

Concen: 5.482 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 61200

Ion Ratio Lower Upper

105 100

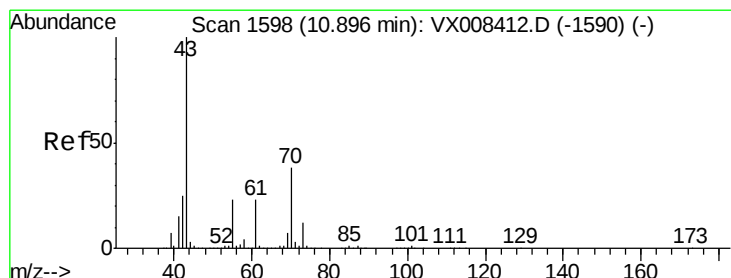
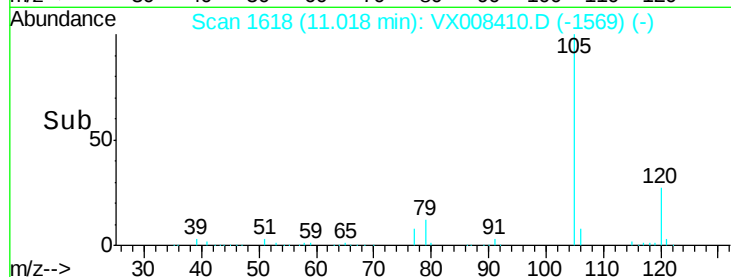
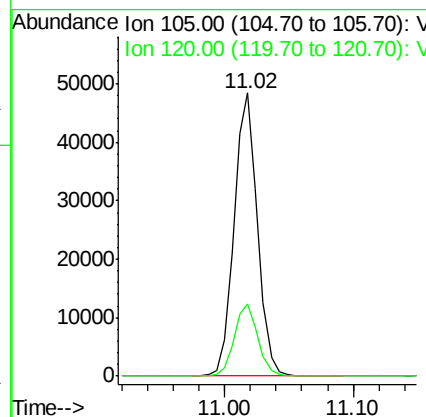
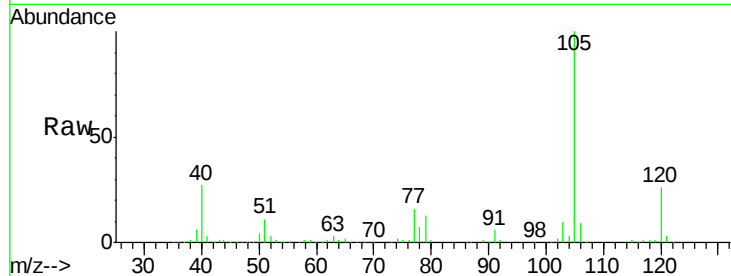
120 25.6 12.9 38.7

Manual Integrations

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MMDadoda

3/26/2019 9:46:26 AM



#74

N-ethyl acetate

Concen: 5.300 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Tgt Ion: 43 Resp: 34638

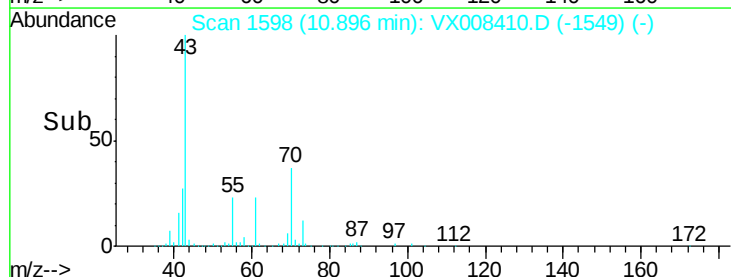
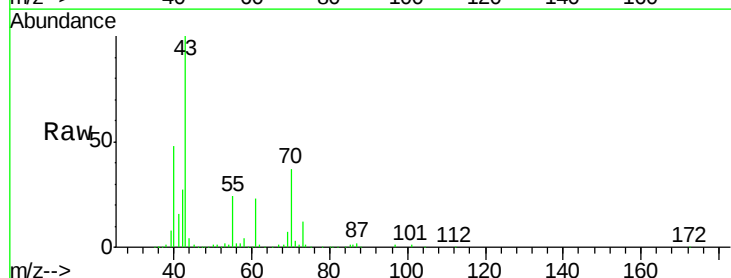
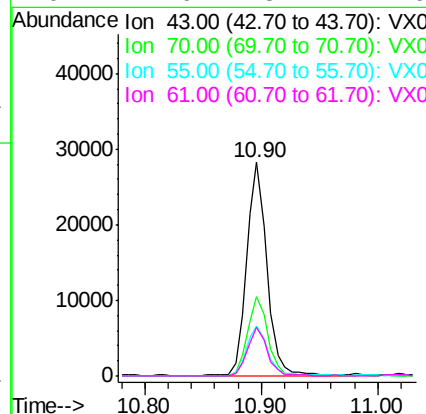
Ion Ratio Lower Upper

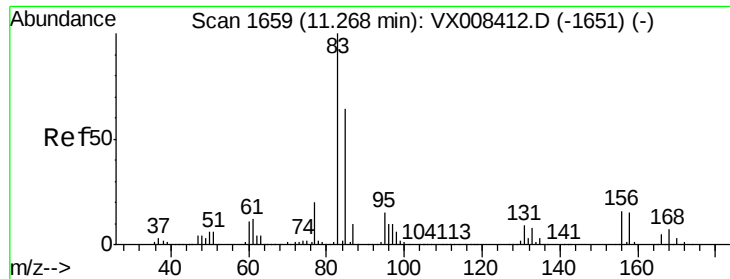
43 100

70 37.8 30.5 45.7

55 24.7 18.2 27.2

61 22.6 18.4 27.6





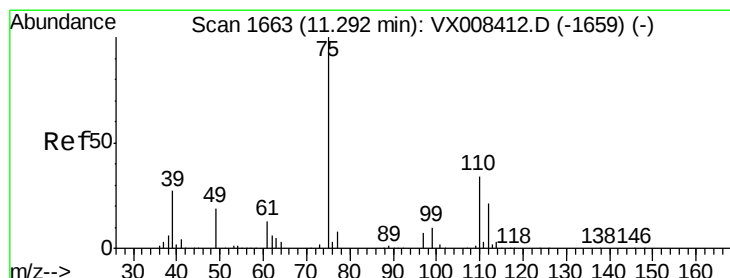
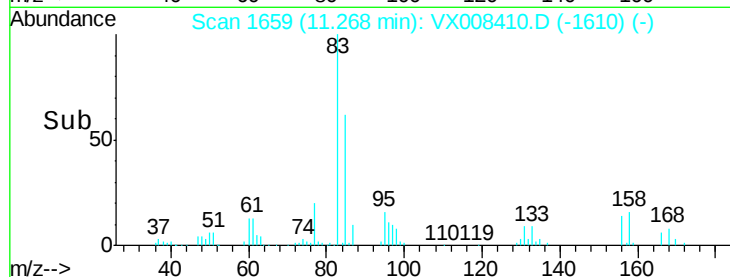
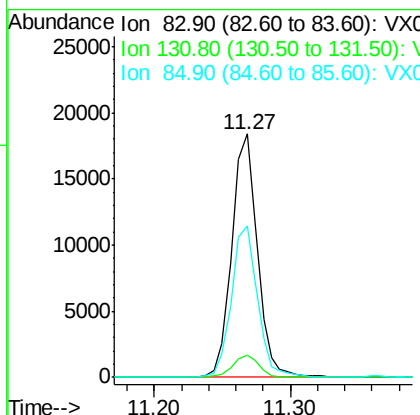
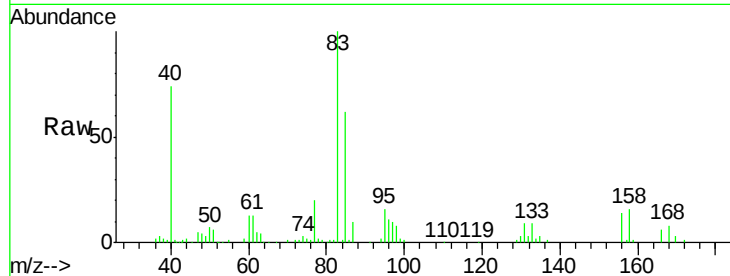
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.442 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	24141		
131	9.2	4.5	13.4	
85	63.5	31.9	95.9	

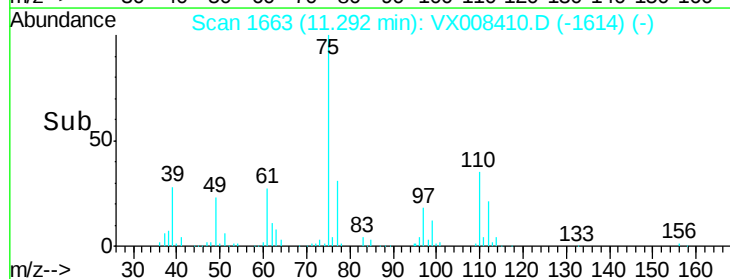
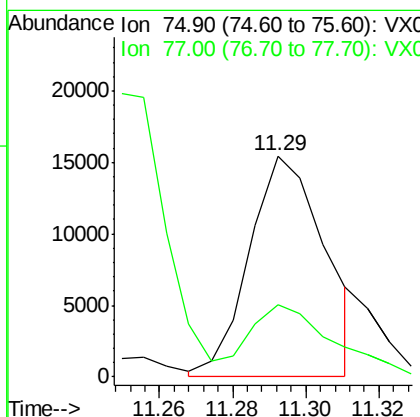
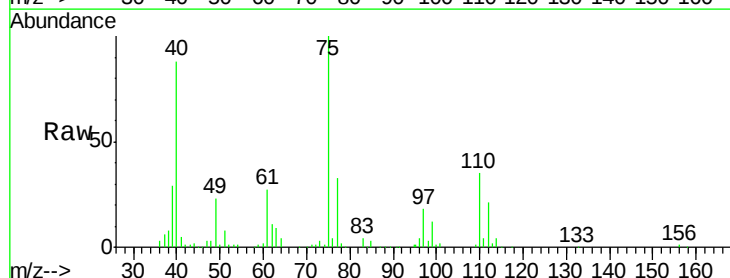
Manual Integrations
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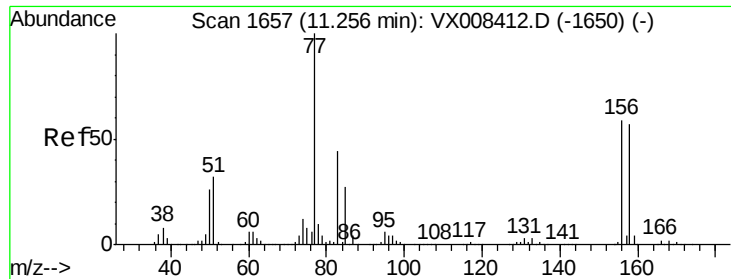
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 5.995 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22205		
77	37.0	21.9	65.7	





#77

Bromobenzene

Concen: 5.473 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 14507

Ion Ratio Lower Upper

156 100

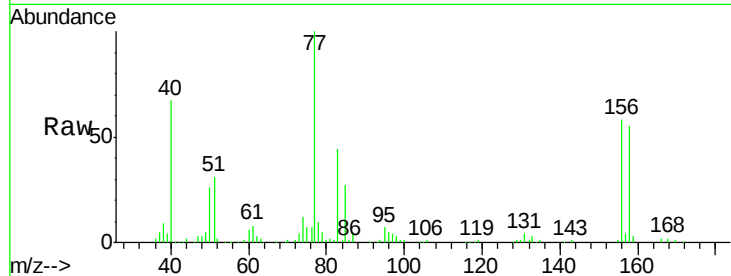
77 180.0 91.1 273.3

158 96.8 48.3 144.8

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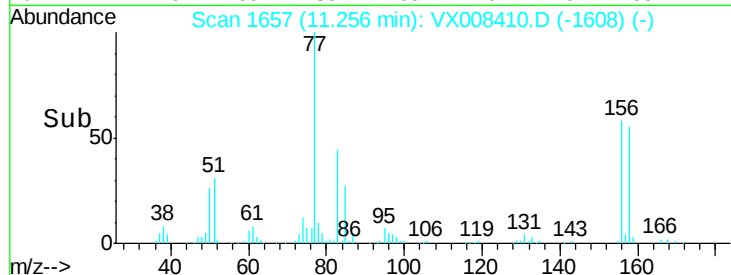


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

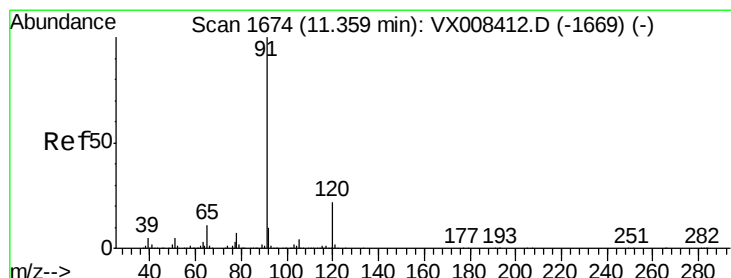
Ion 157.80 (157.50 to 158.50): V

Time-->



11.26

Time-->



#78

n-propylbenzene

Concen: 5.356 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008410.D

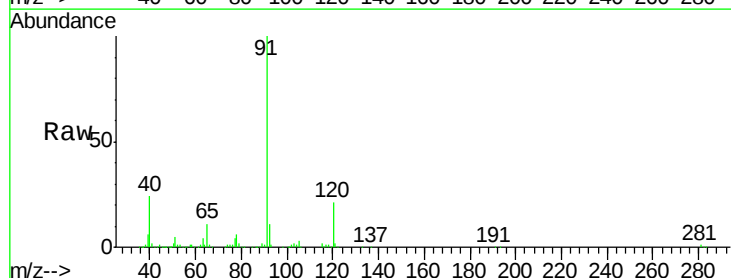
Acq: 25 Mar 2019 14:07

Tgt Ion: 91 Resp: 70026

Ion Ratio Lower Upper

91 100

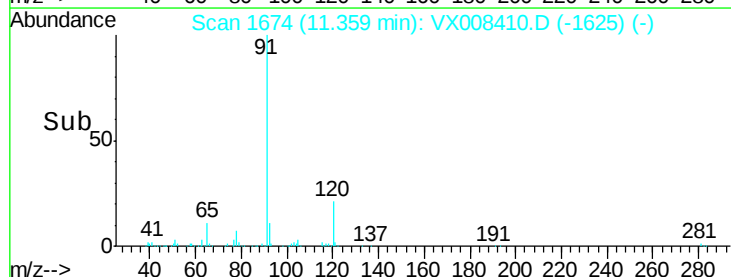
120 21.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

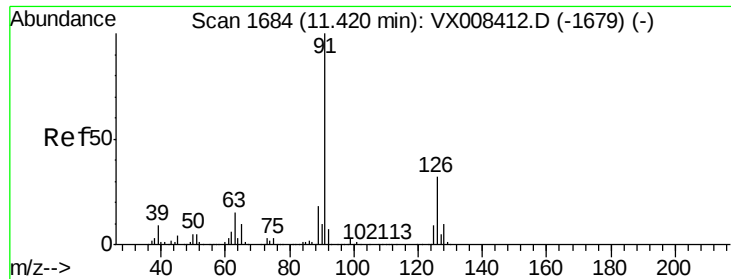
Ion 120.00 (119.70 to 120.70): V

Time-->



11.36

Time-->



#79

2-Chlorotoluene

Concen: 5.408 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 43199

Ion Ratio Lower Upper

91 100

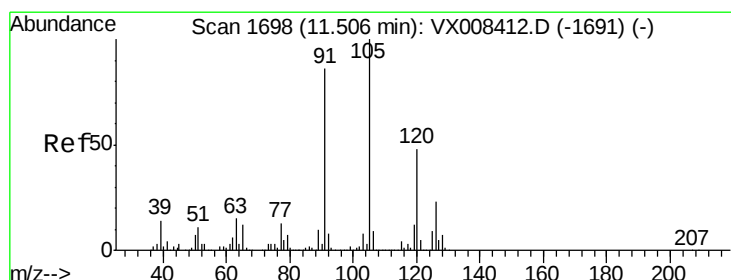
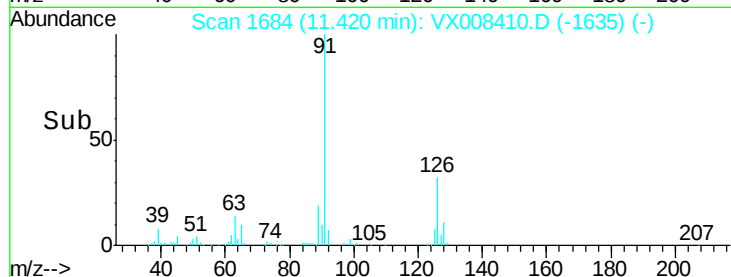
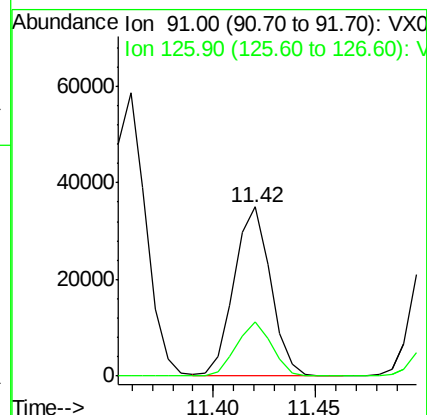
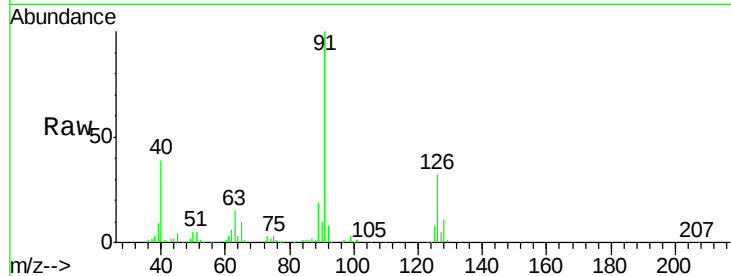
126 31.6 15.7 47.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.409 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008410.D

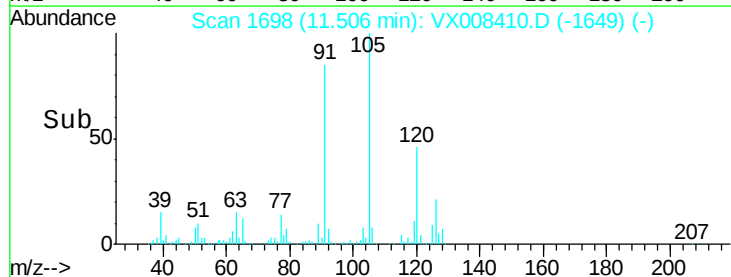
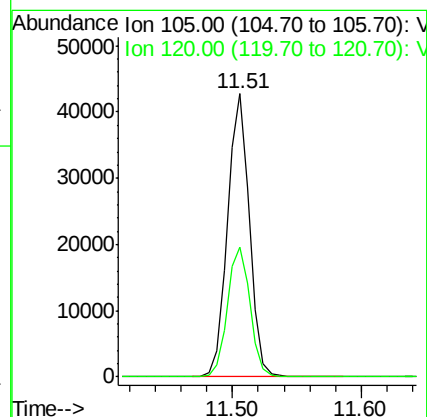
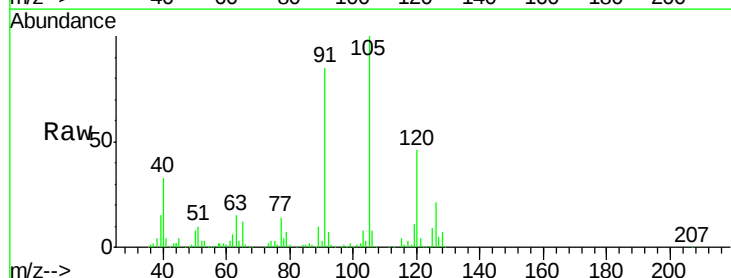
Acq: 25 Mar 2019 14:07

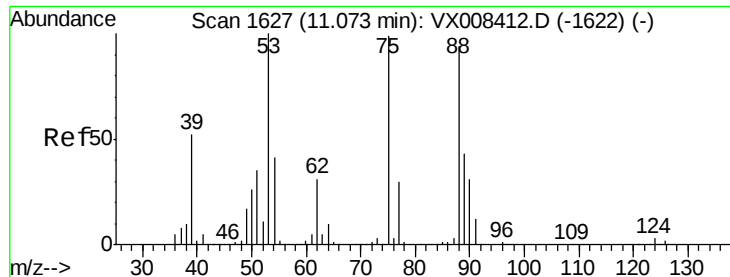
Tgt Ion: 105 Resp: 51380

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.3





#81

trans-1,4-Dichloro-2-butene

Concen: 4.312 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 5589

Ion Ratio Lower Upper

75 100

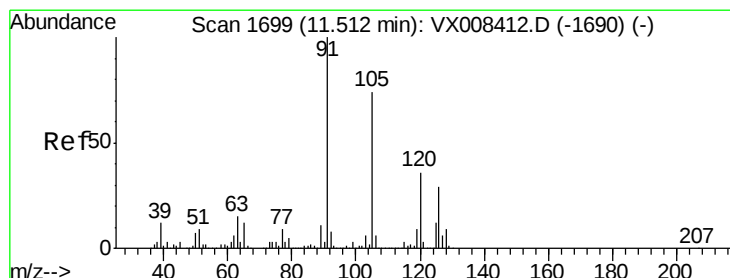
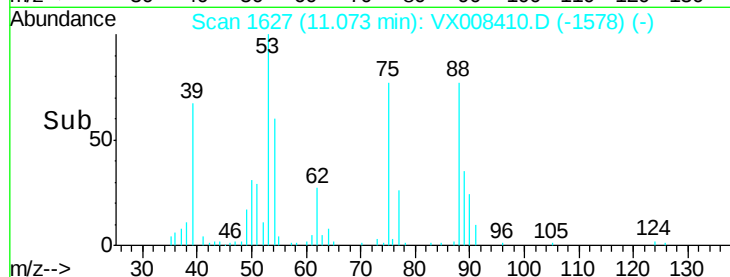
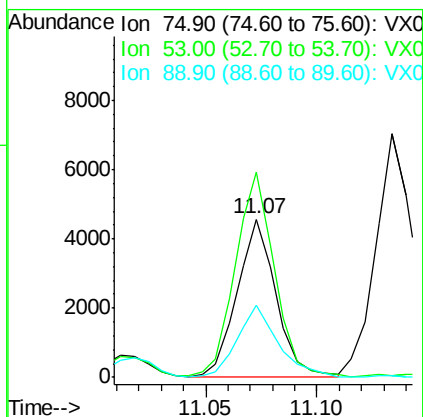
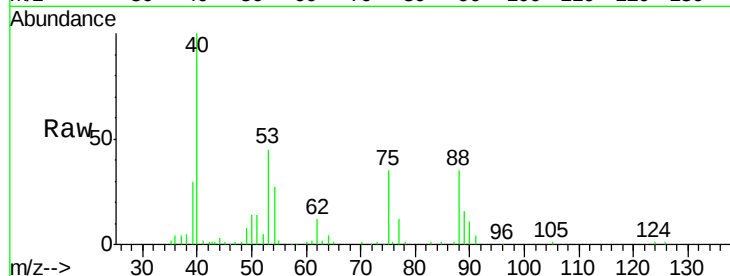
53 130.2 82.1 123.1#

89 47.5 34.6 52.0

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#82

4-Chlorotoluene

Concen: 5.338 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008410.D

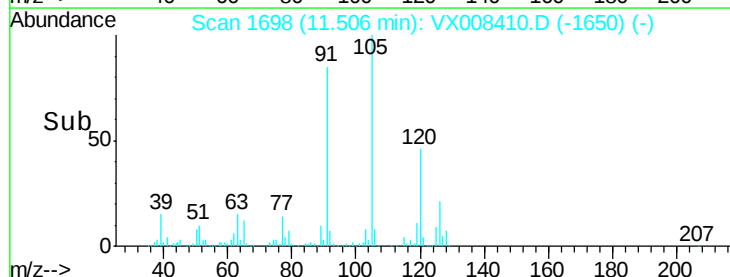
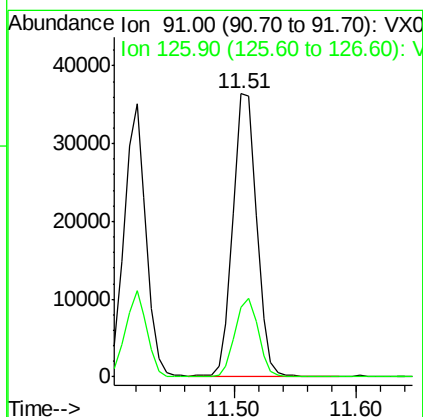
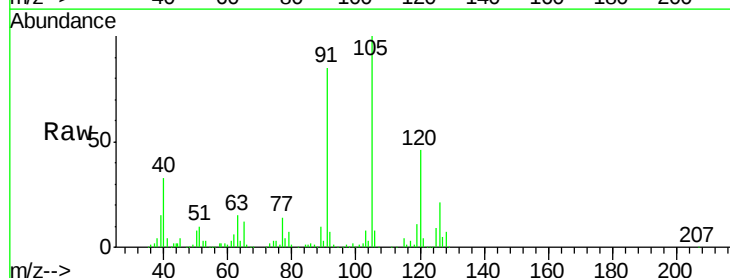
Acq: 25 Mar 2019 14:07

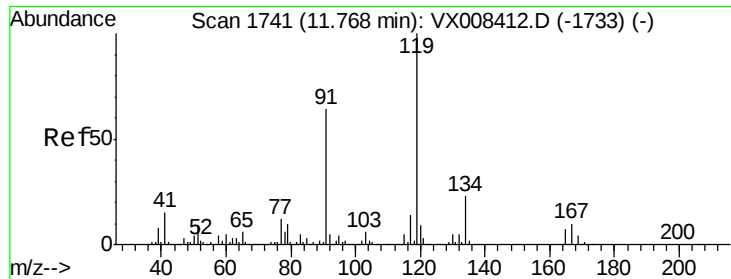
Tgt Ion: 91 Resp: 49040

Ion Ratio Lower Upper

91 100

126 27.4 13.9 41.7





#83

tert-Butylbenzene

Concen: 5.483 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

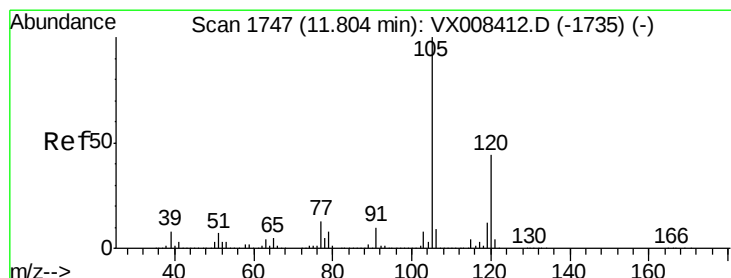
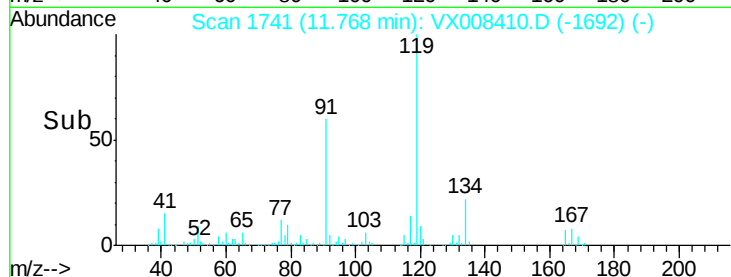
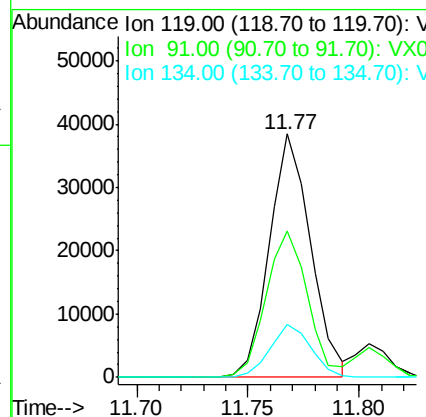
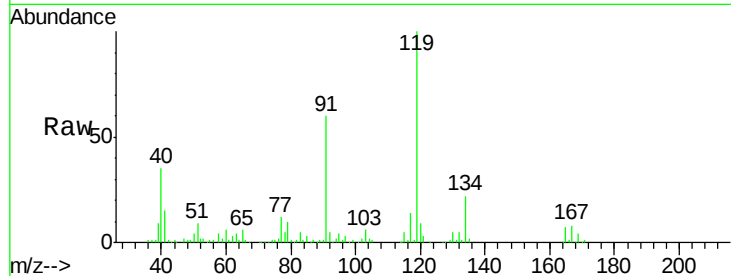
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	49474
Ion Ratio	Lower	Upper	
119	100		
91	61.1	30.1	90.3
134	21.7	10.9	32.9

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#84

1,2,4-Trimethylbenzene

Concen: 5.439 ug/l

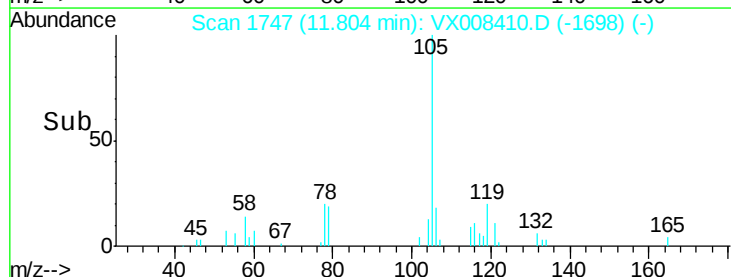
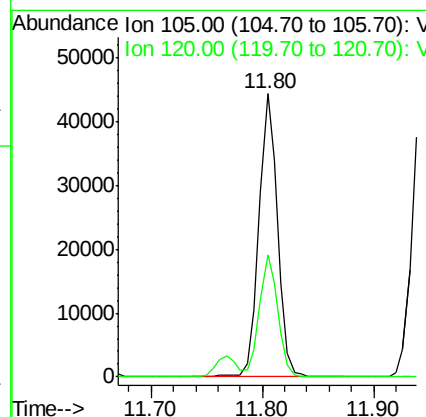
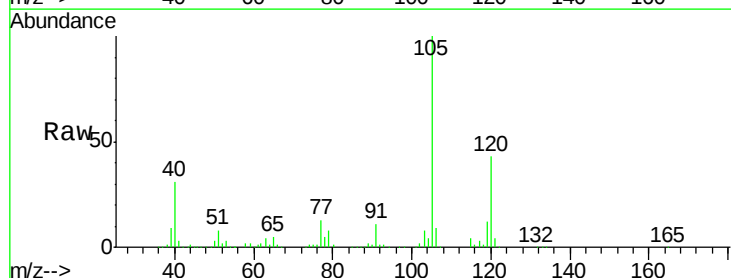
RT: 11.80 min Scan# 1747

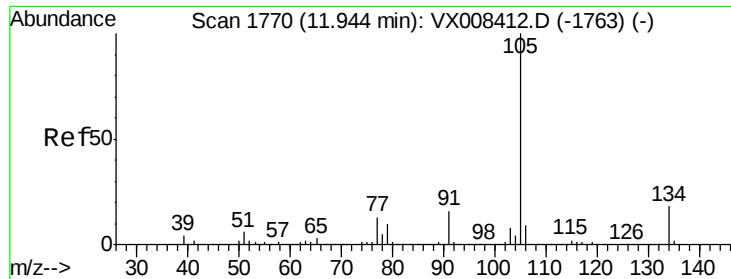
Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Tgt Ion:	105	Resp:	51628
Ion Ratio	Lower	Upper	
105	100		
120	42.5	21.6	65.0





#85

sec-Butylbenzene

Concen: 5.378 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 58361

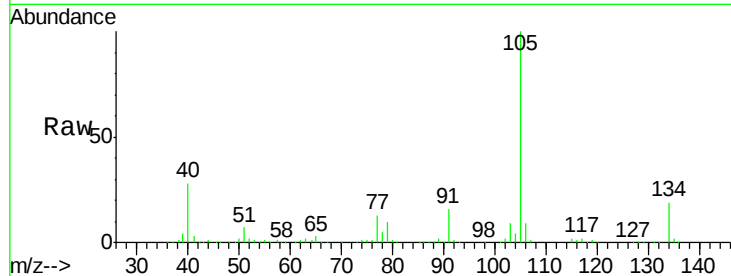
Ion Ratio Lower Upper

105 100

134 18.9 9.3 28.0

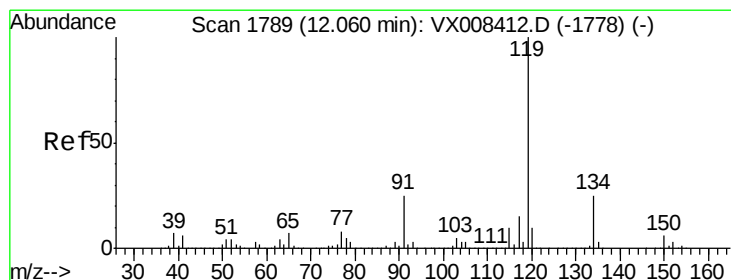
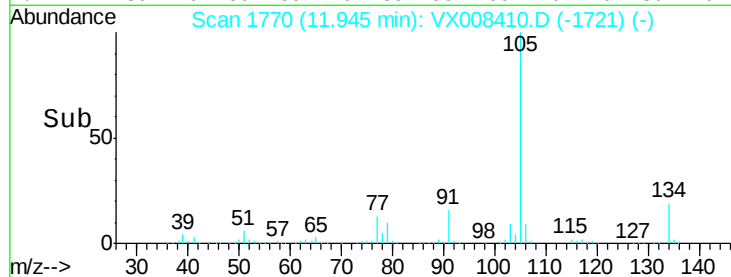
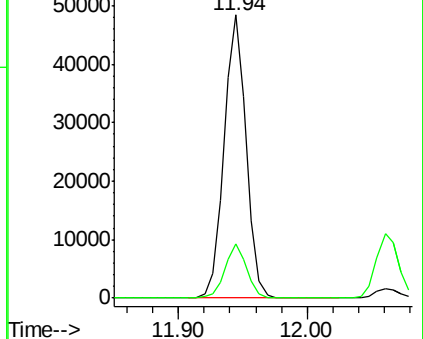
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.297 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

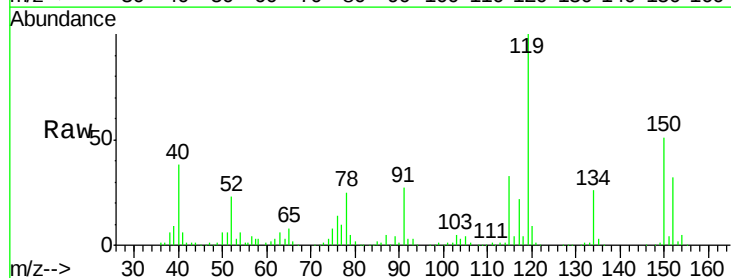
Tgt Ion:119 Resp: 50665

Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

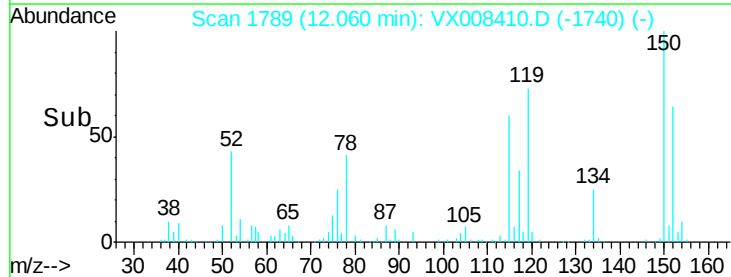
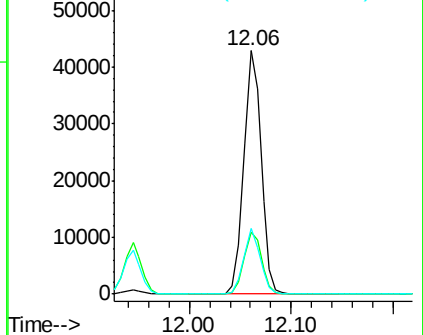
91 26.0 12.4 37.0

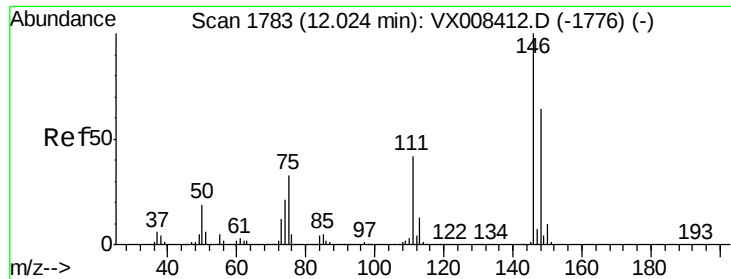


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





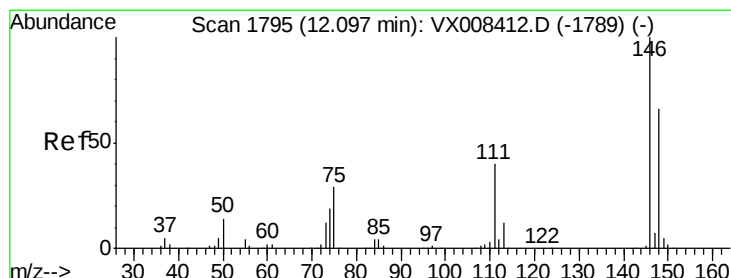
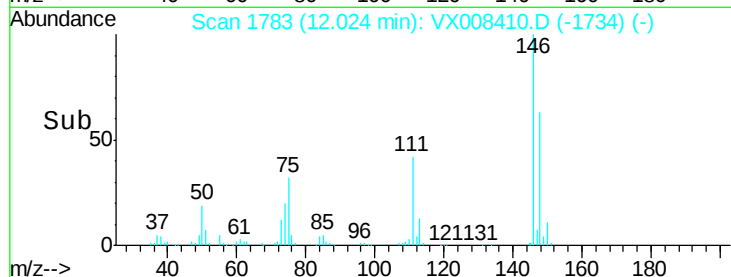
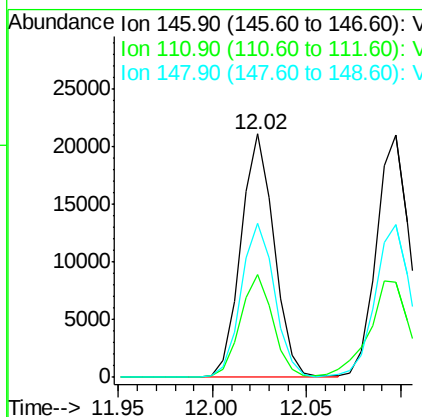
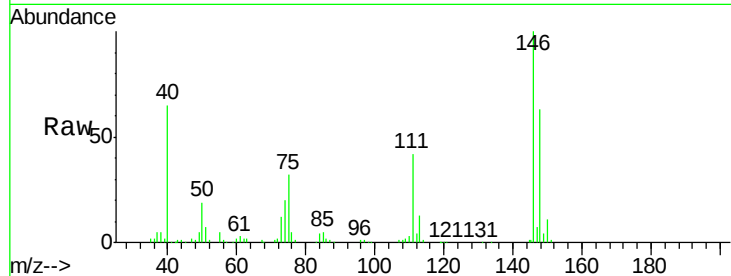
#87
 1,3-Dichlorobenzene
 Concen: 5.419 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	64.1	32.0	96.0

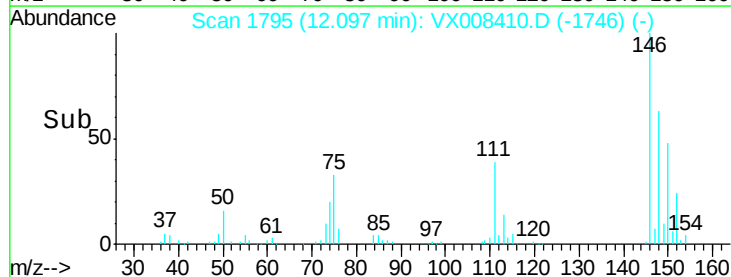
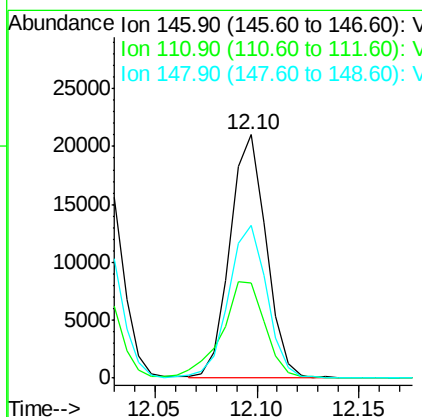
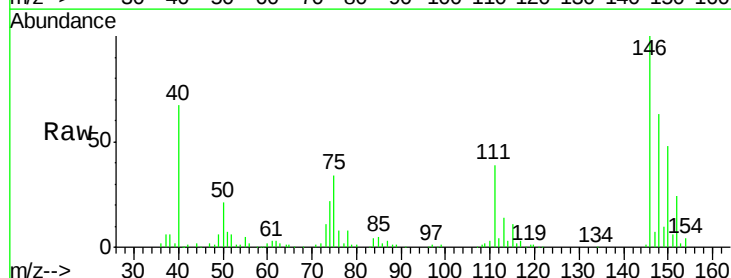
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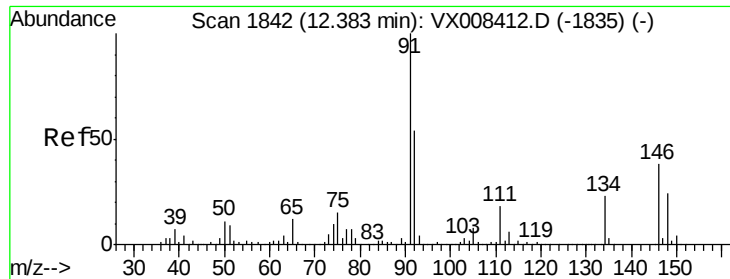
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#88
 1,4-Dichlorobenzene
 Concen: 5.344 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	20.3	61.0
148	66.8	32.1	96.5





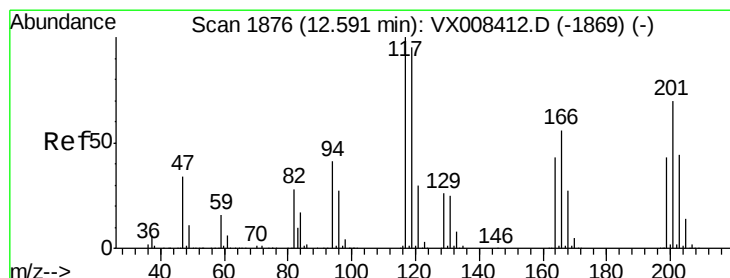
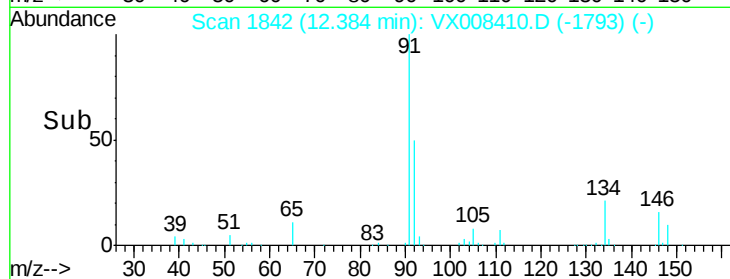
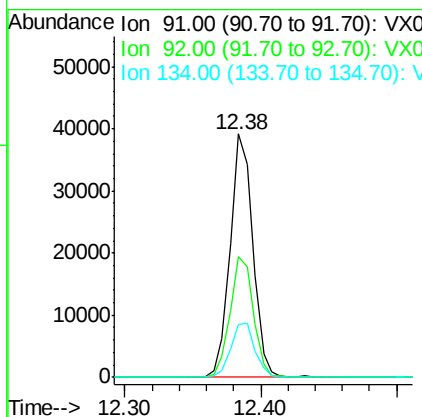
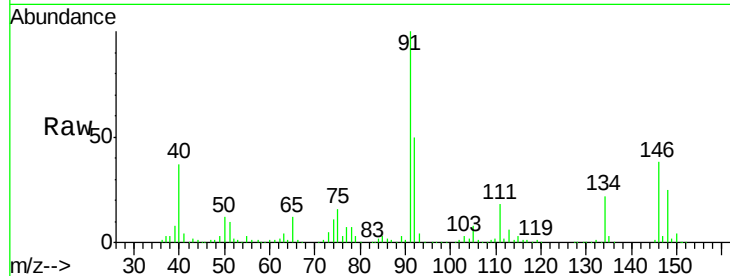
#89
n-Butylbenzene
Concen: 4.989 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.5	79.5
134	23.4	11.8	35.4

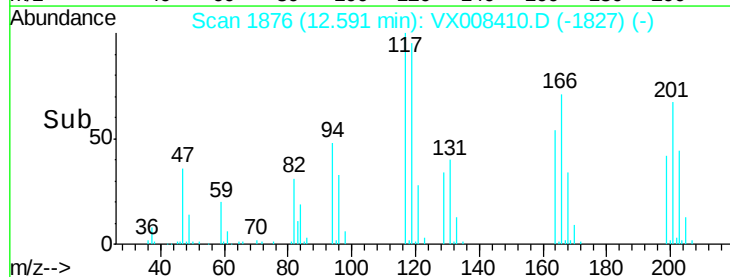
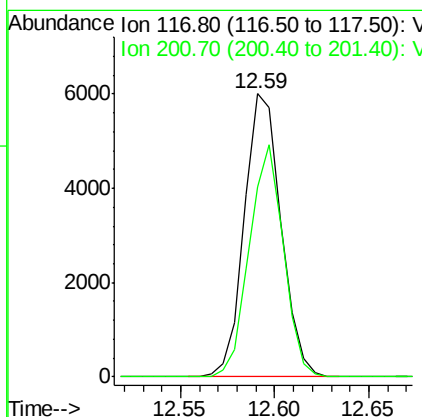
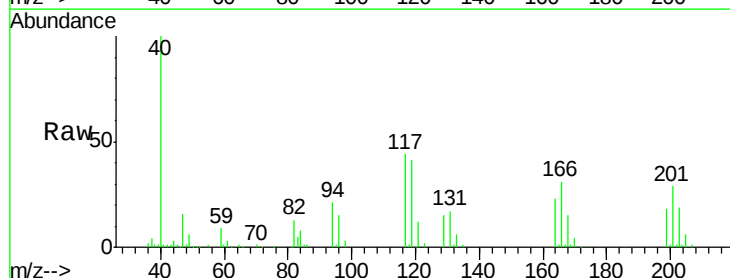
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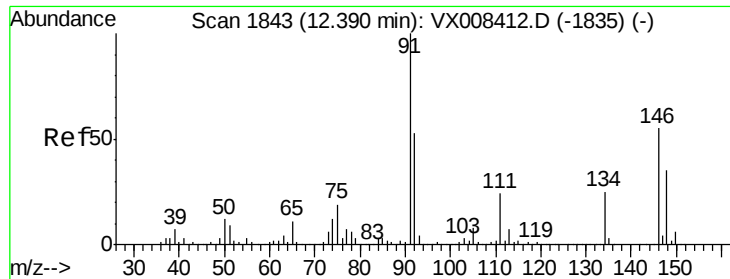
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#90
Hexachloroethane
Concen: 5.130 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX008410.D
Acq: 25 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	39.4	118.1





#91

1,2-Dichlorobenzene

Concen: 5.425 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

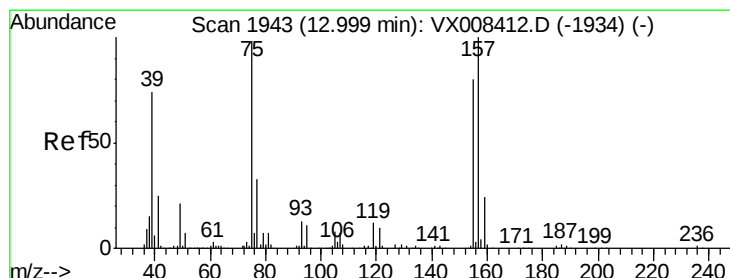
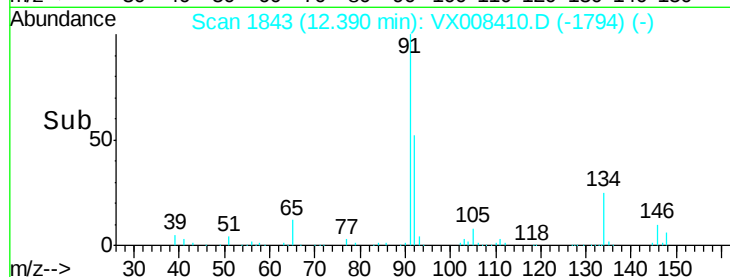
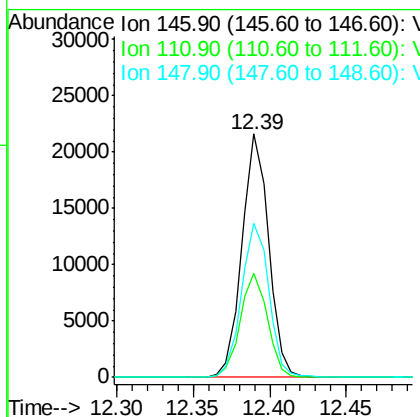
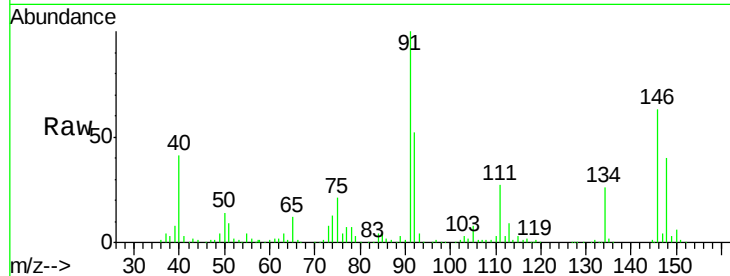
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	26199
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.6	64.6
148	64.9	31.9	95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.038 ug/l

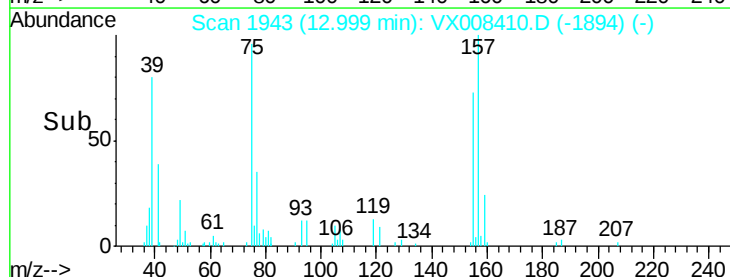
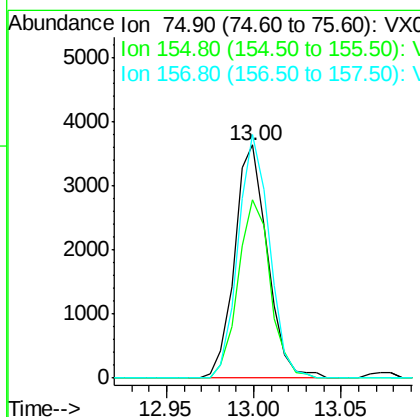
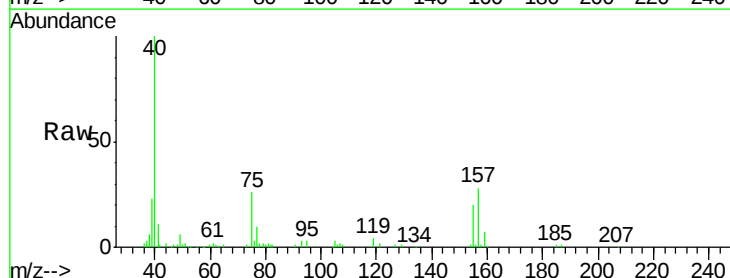
RT: 13.00 min Scan# 1943

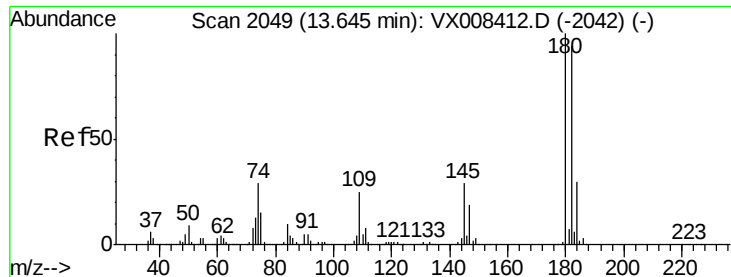
Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Tgt Ion:	75	Resp:	4755
Ion Ratio	Lower	Upper	
75	100		
155	75.1	39.5	118.5
157	99.0	49.9	149.7





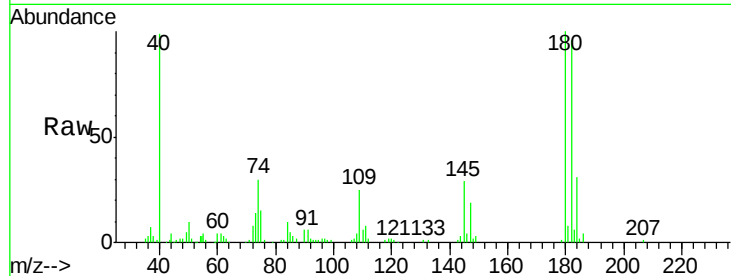
#93
 1,2,4-Trichlorobenzene
 Concen: 5.047 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

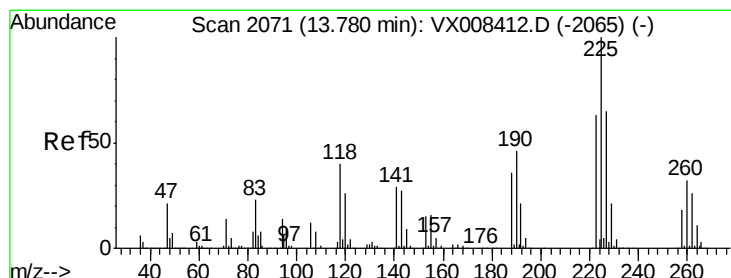
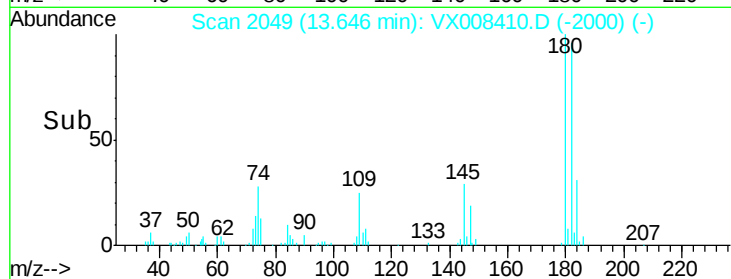
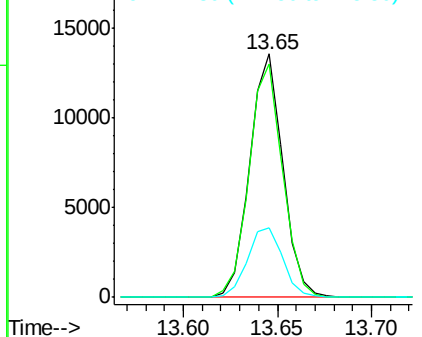
Tot Ion:	180	Resp:	16472
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.3	142.0
145	30.5	15.3	45.8

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:46:26 AM

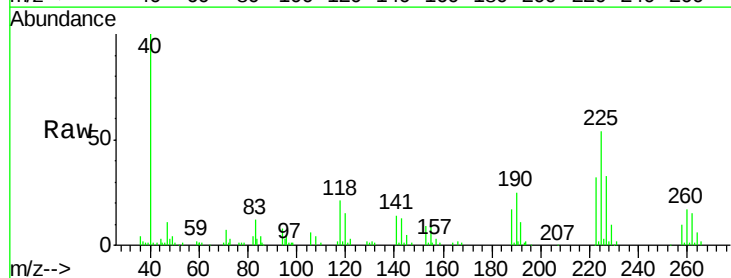


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

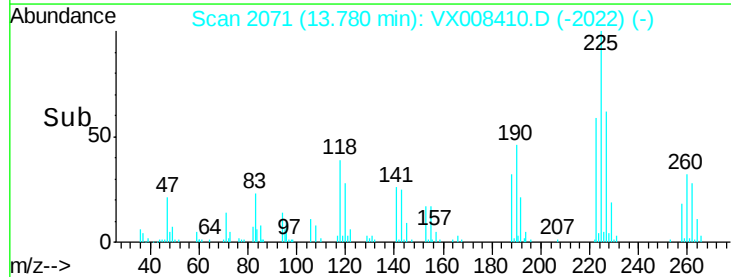
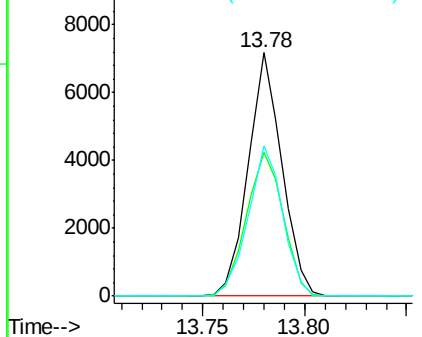


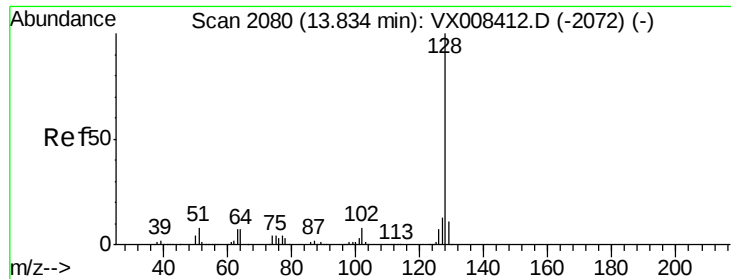
#94
 Hexachlorobutadiene
 Concen: 5.369 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008410.D
 Acq: 25 Mar 2019 14:07

Tgt Ion:	225	Resp:	8273
Ion Ratio	Lower	Upper	
225	100		
223	64.5	31.4	94.0
227	63.0	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.990 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Instrument :

MSVOA_X

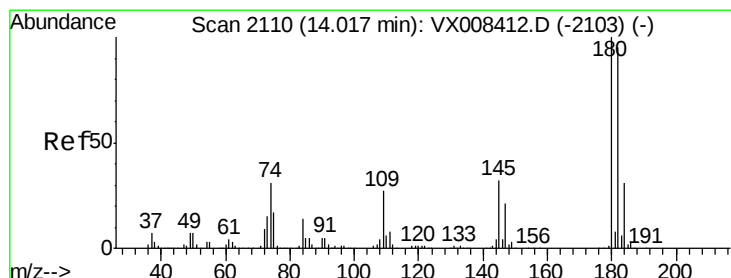
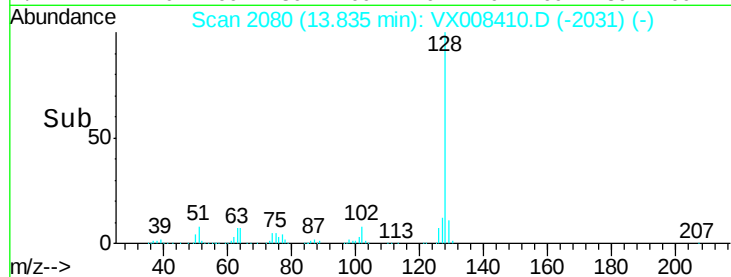
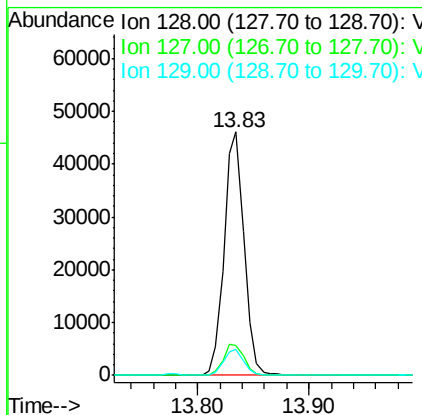
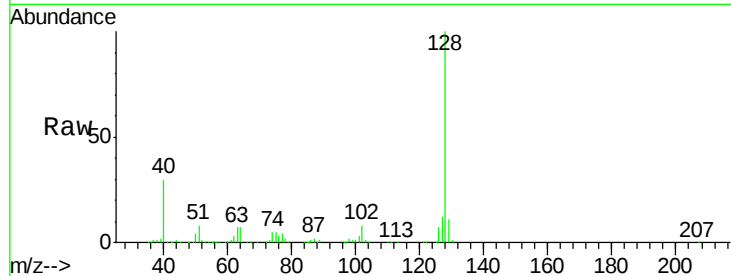
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	56734
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/26/2019 9:46:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 5.168 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008410.D

Acq: 25 Mar 2019 14:07

Tgt Ion:	180	Resp:	16943
Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	142.0
145	33.1	16.2	48.5

