

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051119\
 Data File : VX009519.D
 Acq On : 11 May 2019 12:47
 Operator : JC/SP
 Sample : VX0511MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 9:16:52 AM

Quant Time: May 12 02:18:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	160235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	253305	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	115829	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
35) Dibromofluoromethane	5.50	113	86474	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
50) Toluene-d8	8.71	98	345366	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
62) 4-Bromofluorobenzene	11.13	95	124105	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29000	19.640	ug/l	98
3) Chloromethane	1.32	50	44077	21.864	ug/l	98
4) Vinyl Chloride	1.40	62	43067	21.908	ug/l	99
5) Bromomethane	1.64	94	26822	22.733	ug/l	98
6) Chloroethane	1.72	64	26763	21.205	ug/l	99
7) Trichlorofluoromethane	1.93	101	53352	22.328	ug/l	99
8) Diethyl Ether	2.19	74	24871	21.973	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	33021	22.006	ug/l	99
10) Methyl Iodide	2.51	142	35789	23.235	ug/l	99
11) Tert butyl alcohol	3.04	59	55886	110.375	ug/l	99
12) 1,1-Dichloroethene	2.37	96	33063	21.991	ug/l	96
13) Acrolein	2.29	56	42558	92.810	ug/l	97
14) Allyl chloride	2.73	41	78247	21.356	ug/l	100
15) Acrylonitrile	3.14	53	136443	110.211	ug/l	99
16) Acetone	2.44	43	130503	111.109	ug/l	97
17) Carbon Disulfide	2.57	76	90140	21.355	ug/l	99
18) Methyl Acetate	2.78	43	58103	20.801	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	129272	22.142	ug/l	99
20) Methylene Chloride	2.85	84	40300	21.191	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	36009	22.084	ug/l	99
22) Diisopropyl ether	3.85	45	158487	22.493	ug/l	97
23) Vinyl Acetate	3.81	43	693964	115.014	ug/l	99
24) 1,1-Dichloroethane	3.70	63	74982	21.571	ug/l	99
25) 2-Butanone	4.67	43	206388	113.076	ug/l	98
26) 2,2-Dichloropropane	4.59	77	54645	21.120	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	42751	21.966	ug/l	99
28) Bromochloromethane	5.01	49	31596	20.990	ug/l	97
29) Tetrahydrofuran	5.13	42	133807	113.925	ug/l	99
30) Chloroform	5.21	83	69700	22.171	ug/l	97
31) Cyclohexane	5.58	56	72826	22.519	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	56673	21.655	ug/l	100
36) 1,1-Dichloropropene	5.80	75	52056	22.114	ug/l	99
37) Ethyl Acetate	4.84	43	74786	22.802	ug/l	99
38) Carbon Tetrachloride	5.79	117	46648	21.811	ug/l	96

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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	65514	22.662	ug/l	100
40) Benzene	6.14	78	165403	22.704	ug/l	97
41) Methacrylonitrile	5.04	41	42408	21.721	ug/l	97
42) 1,2-Dichloroethane	6.19	62	60123	23.006	ug/l	99
43) Isopropyl Acetate	6.45	43	118831	22.651	ug/l	100
44) Trichloroethene	7.21	130	39565	22.465	ug/l	94
45) 1,2-Dichloropropane	7.51	63	46532	22.557	ug/l	99
46) Dibromomethane	7.66	93	26587	22.194	ug/l	99
47) Bromodichloromethane	7.90	83	51990	21.757	ug/l	100
48) Methyl methacrylate	7.77	41	60158	23.113	ug/l	99
49) 1,4-Dioxane	7.74	88	23429	443.864	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	393438	114.737	ug/l	99
52) Toluene	8.78	92	100826	22.768	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	58113	21.541	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	66335	22.215	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	40757	22.559	ug/l	95
56) Ethyl methacrylate	9.18	69	72814	22.578	ug/l	99
57) 1,3-Dichloropropane	9.37	76	72078	22.671	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	179506	104.920	ug/l	100
59) 2-Hexanone	9.49	43	307075	114.021	ug/l	99
60) Dibromochloromethane	9.58	129	38376	21.748	ug/l	100
61) 1,2-Dibromoethane	9.67	107	41134	22.555	ug/l	99
64) Tetrachloroethene	9.34	164	36117	22.927	ug/l	98
65) Chlorobenzene	10.13	112	104210	22.683	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	37216	22.344	ug/l	99
67) Ethyl Benzene	10.25	91	189743	22.442	ug/l	99
68) m/p-Xylenes	10.36	106	139959	45.299	ug/l	98
69) o-Xylene	10.69	106	68754	22.554	ug/l	100
70) Styrene	10.71	104	118099	22.289	ug/l	99
71) Bromoform	10.85	173	28316	20.920	ug/l	98
73) Isopropylbenzene	11.02	105	182672	22.363	ug/l	99
74) N-amyl acetate	10.90	43	105794	22.214	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	67147	22.050	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	58505m	22.453	ug/l	
77) Bromobenzene	11.26	156	44995	22.192	ug/l	98
78) n-propylbenzene	11.36	91	208018	22.298	ug/l	99
79) 2-Chlorotoluene	11.42	91	126301	21.944	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	155437	22.599	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	21047	20.667	ug/l	94
82) 4-Chlorotoluene	11.51	91	142848	21.970	ug/l	100
83) tert-Butylbenzene	11.77	119	147118	21.988	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	155651	22.546	ug/l	99
85) sec-Butylbenzene	11.94	105	175769	22.158	ug/l	99
86) p-Isopropyltoluene	12.06	119	160431	22.497	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	80094	22.160	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	79369	21.781	ug/l	100
89) n-Butylbenzene	12.38	91	139879	21.702	ug/l	100
90) Hexachloroethane	12.59	117	25962	21.369	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	79686	21.646	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15235	22.302	ug/l	97

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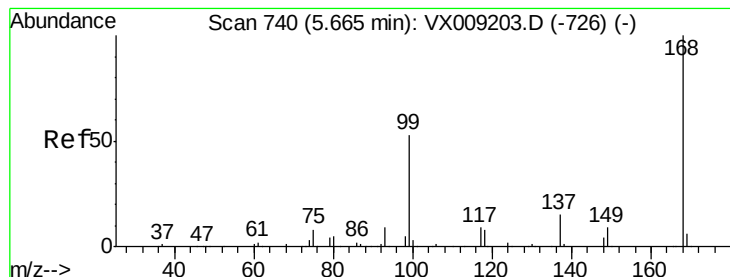
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.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	56689	22.518	ug/l	98
94) Hexachlorobutadiene	13.78	225	28685	22.313	ug/l	99
95) Naphthalene	13.83	128	185567	22.657	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	58643	22.980	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion:168 Resp: 160235

Ion Ratio Lower Upper

168 100

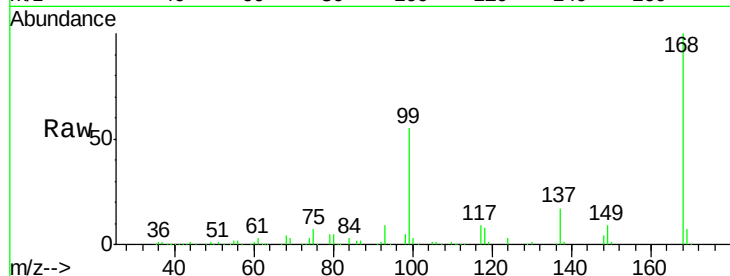
99 54.7 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

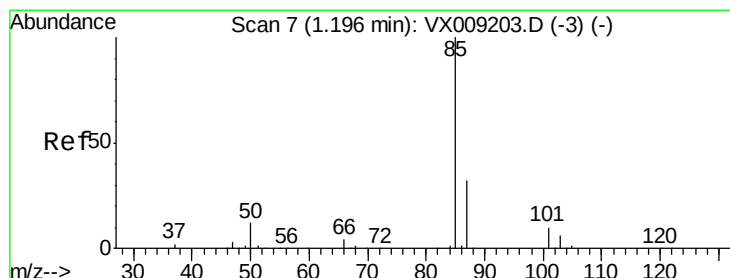
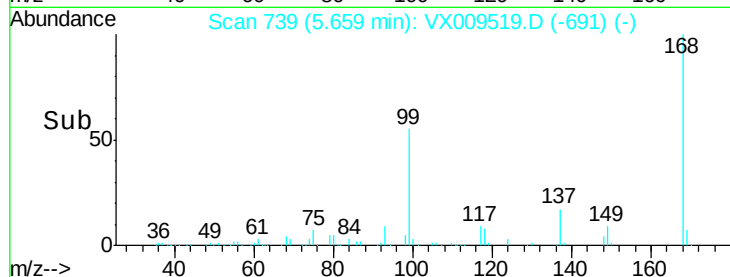
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.640 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009519.D

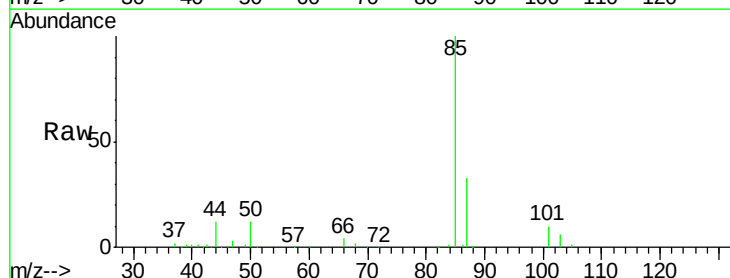
Acq: 11 May 2019 12:47

Tgt Ion: 85 Resp: 29000

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

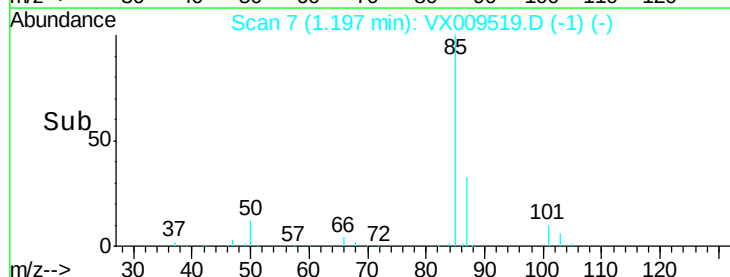
15000

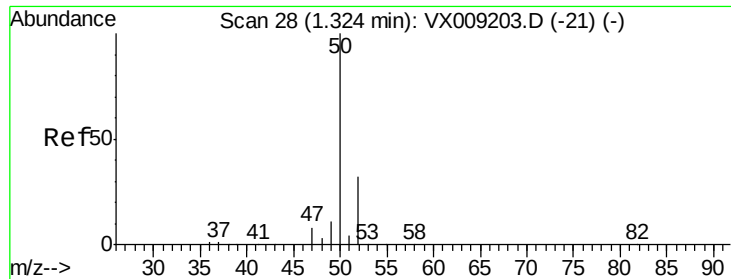
10000

5000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 21.864 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion: 50 Resp: 44077

Ion Ratio Lower Upper

50 100

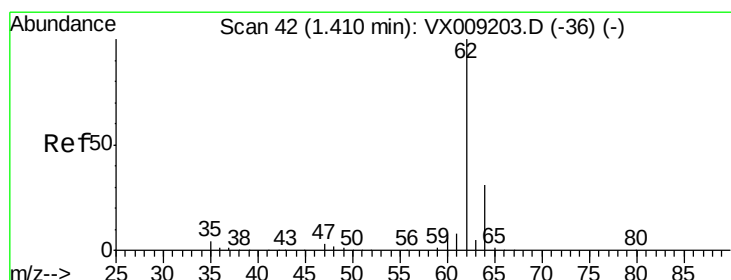
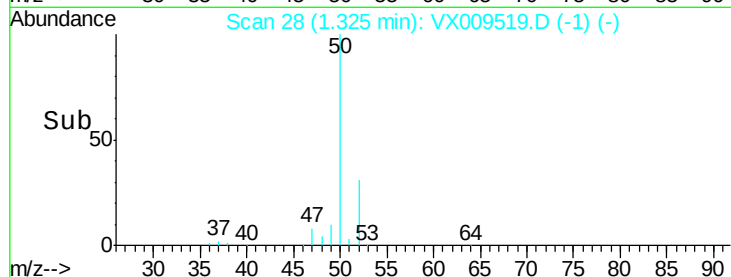
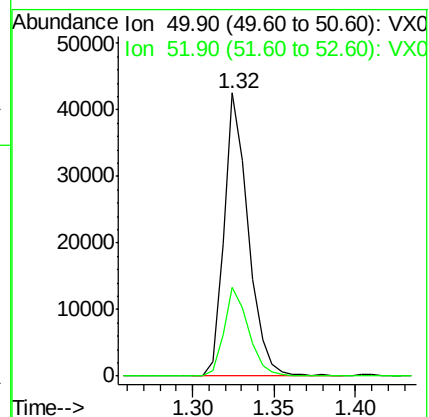
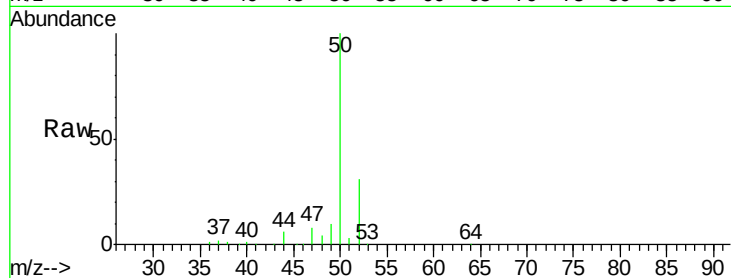
52 31.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.908 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009519.D

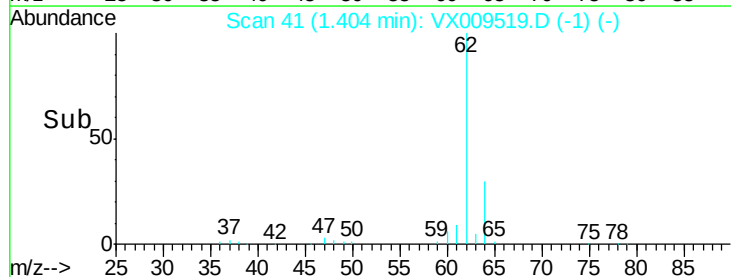
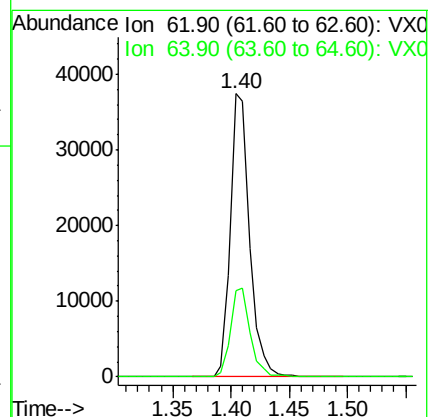
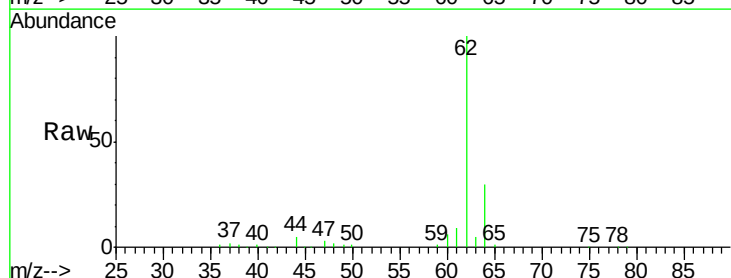
Acq: 11 May 2019 12:47

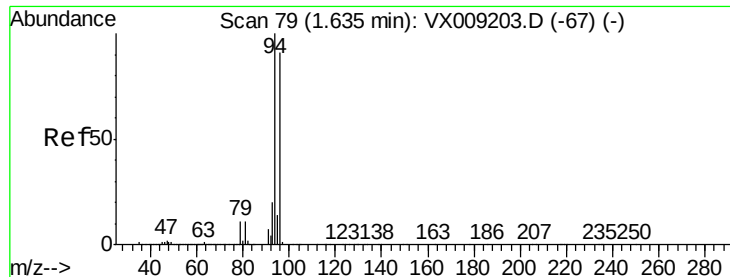
Tgt Ion: 62 Resp: 43067

Ion Ratio Lower Upper

62 100

64 30.2 24.6 36.8





#5

Bromomethane

Concen: 22.733 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Tgt Ion: 94 Resp: 26822

Ion Ratio Lower Upper

94 100

96 93.4 73.0 109.6

Instrument :

MSVOA_X

ClientSampleId :

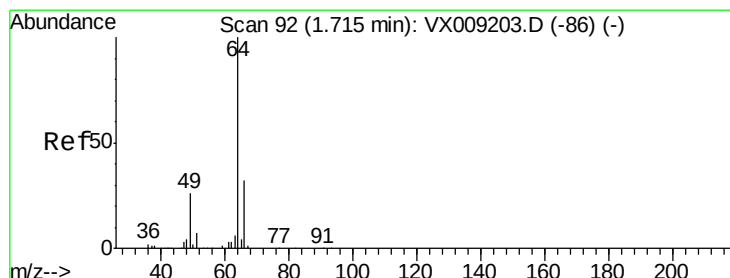
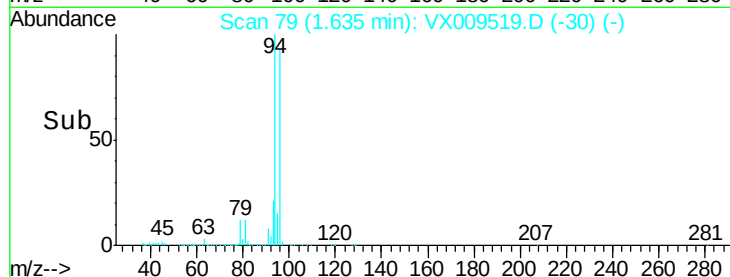
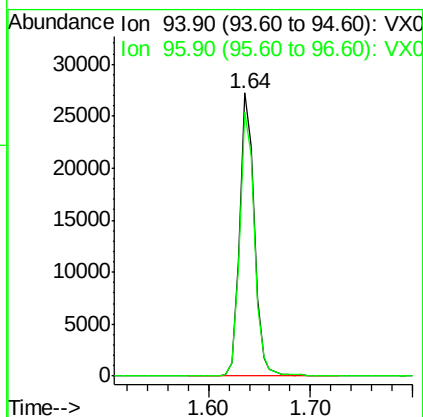
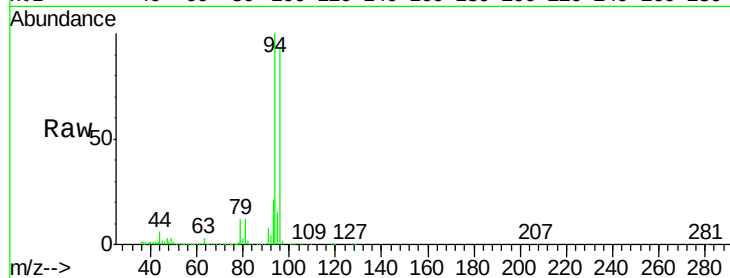
VX0511MBS01

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#6

Chloroethane

Concen: 21.205 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009519.D

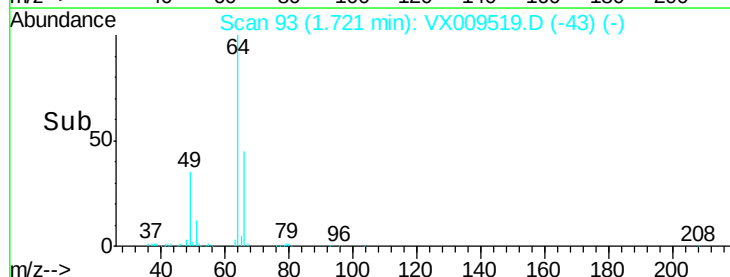
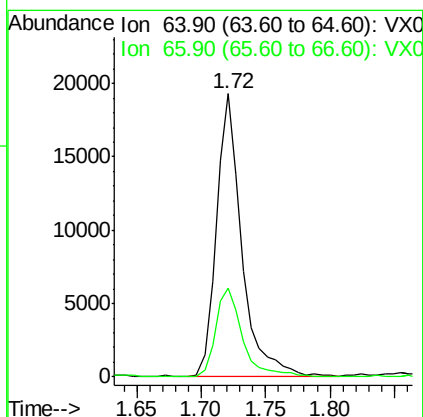
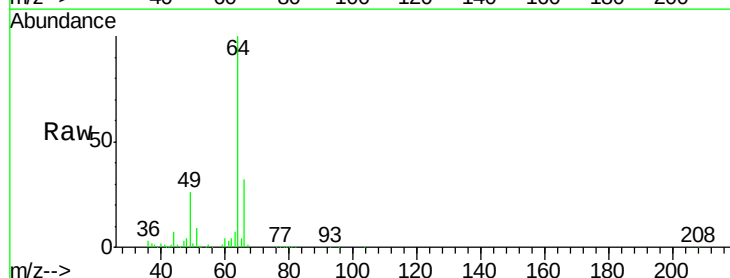
Acq: 11 May 2019 12:47

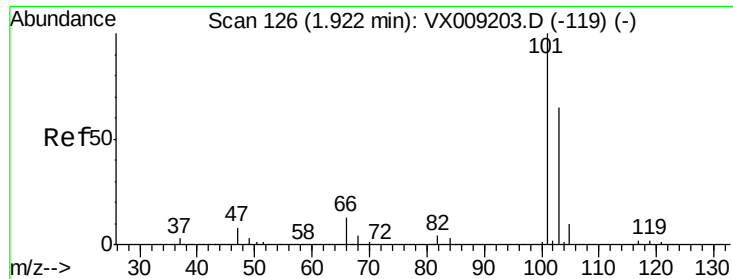
Tgt Ion: 64 Resp: 26763

Ion Ratio Lower Upper

64 100

66 31.3 25.3 37.9





#7

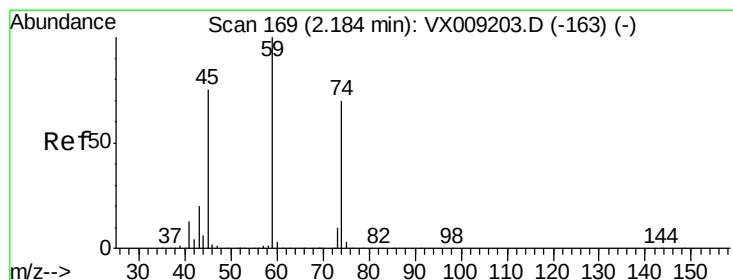
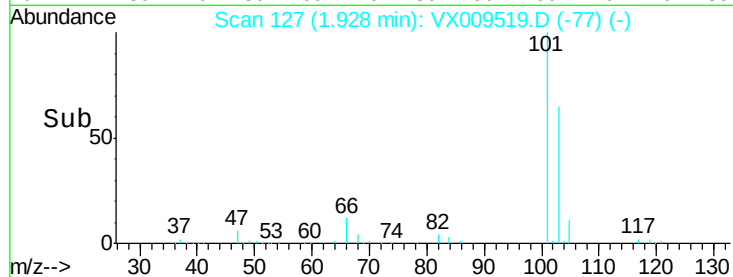
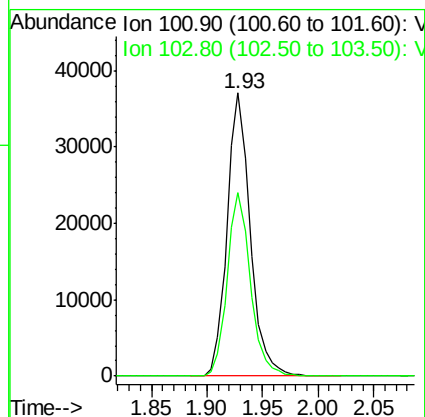
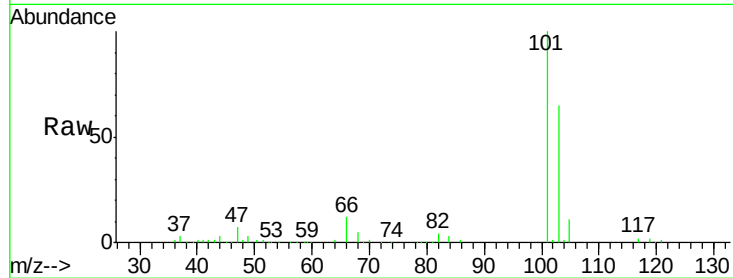
Trichlorofluoromethane
Concen: 22.328 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion: 101 Resp: 53352
Ion Ratio Lower Upper
101 100
103 64.8 52.4 78.6

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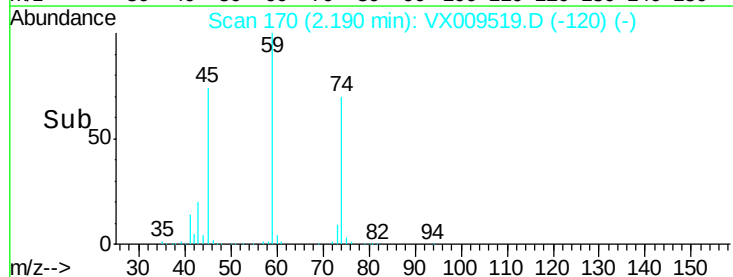
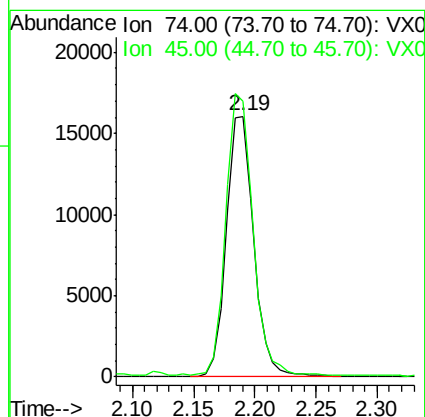
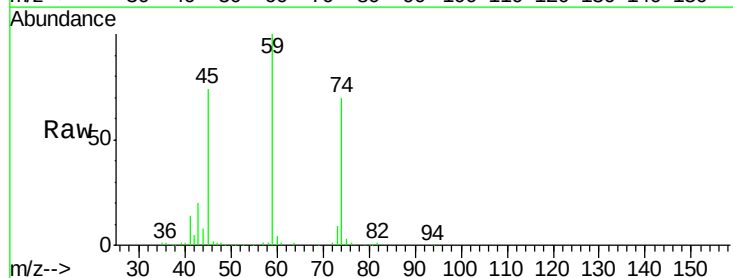
MMDadoda
5/16/2019 9:16:52 AM

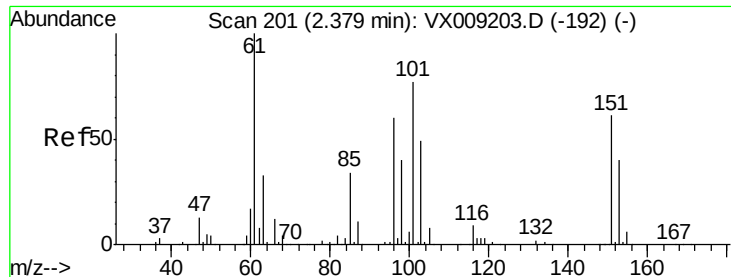


#8

Diethyl Ether
Concen: 21.973 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 74 Resp: 24871
Ion Ratio Lower Upper
74 100
45 106.8 53.3 159.9





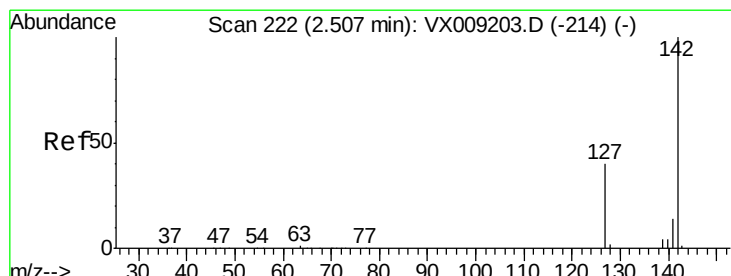
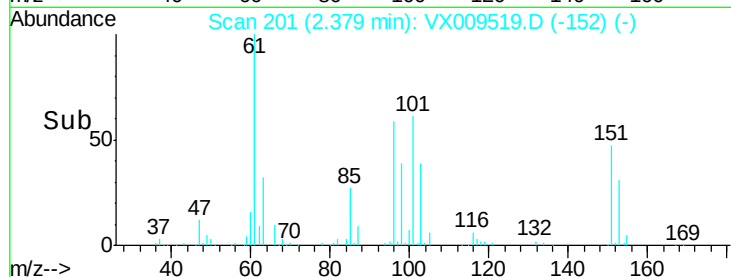
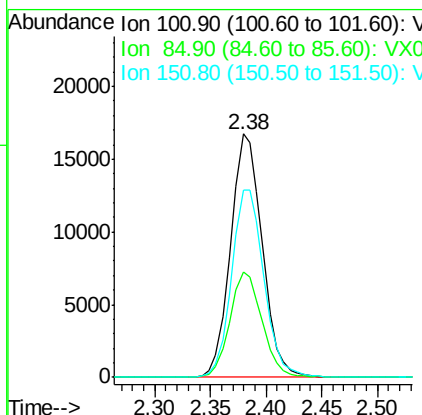
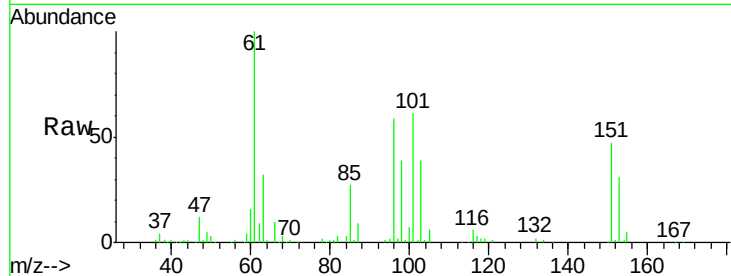
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.006 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	33021		
85	43.9	35.7	53.5	
151	78.4	62.2	93.2	

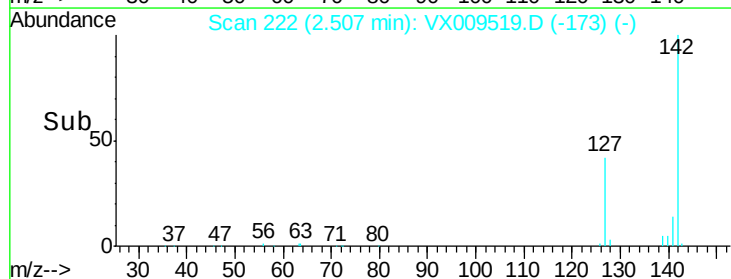
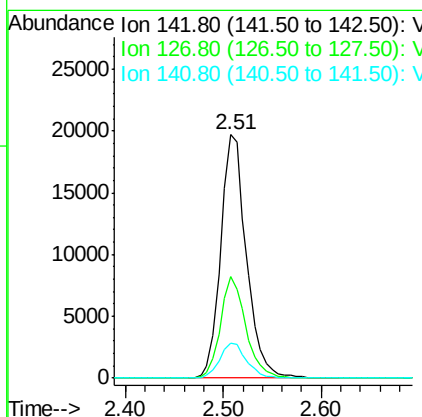
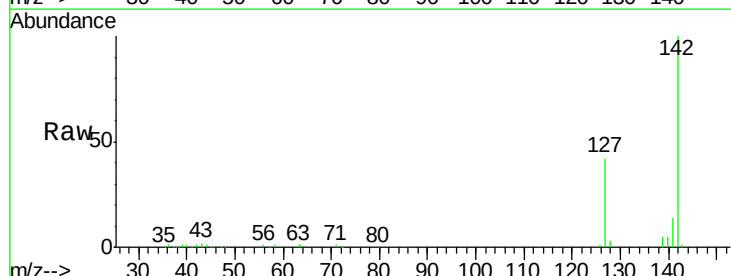
Manual Integrations
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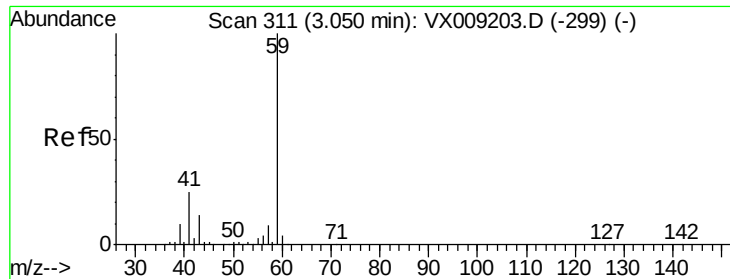
MMDadoda
5/16/2019 9:16:52 AM



#10
Methyl Iodide
Concen: 23.235 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	35789		
127	41.0	32.7	49.1	
141	15.0	11.5	17.3	





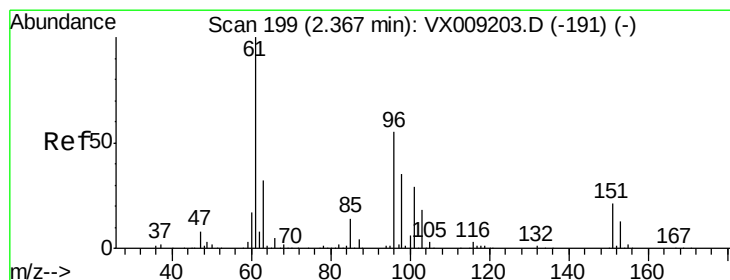
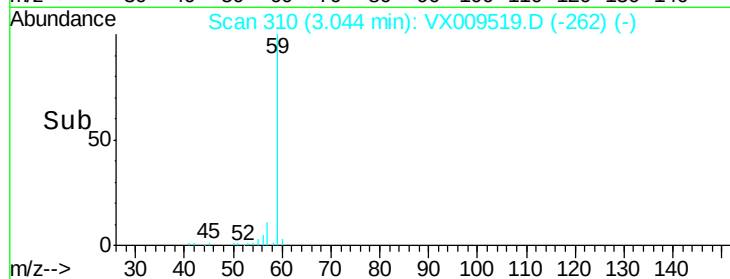
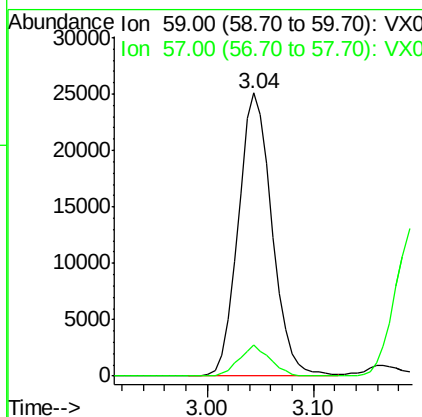
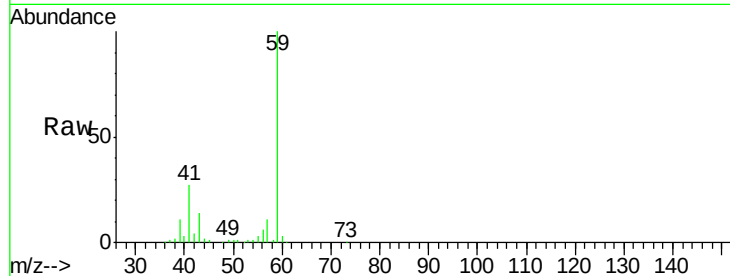
#11
Tert butyl alcohol
Concen: 110.375 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion: 59 Resp: 55886
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

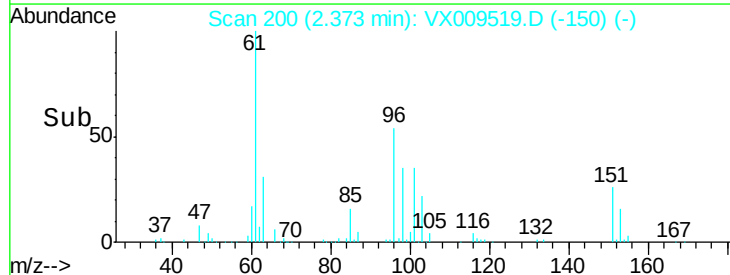
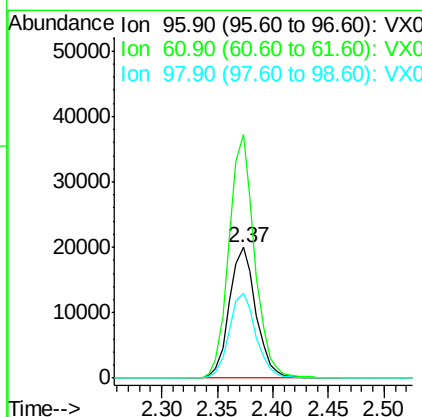
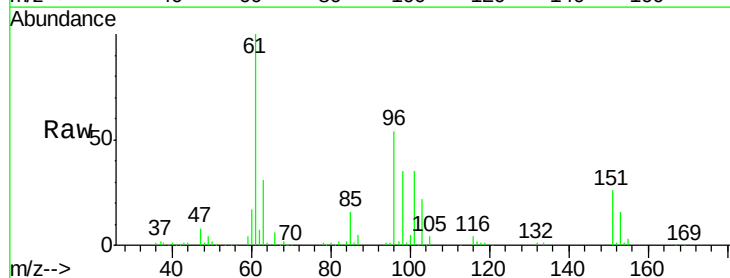
Manual Integrations
APPROVED

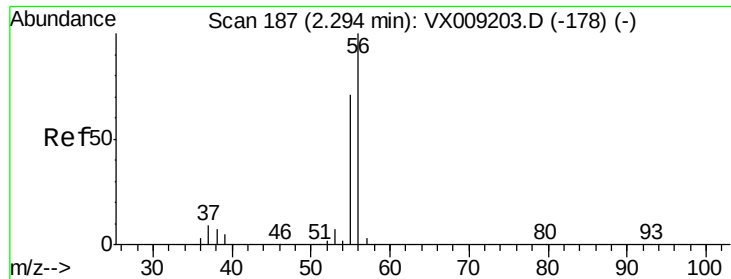
MMDadoda
5/16/2019 9:16:52 AM



#12
1,1-Dichloroethene
Concen: 21.991 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 96 Resp: 33063
Ion Ratio Lower Upper
96 100
61 186.4 144.3 216.5
98 65.3 50.3 75.5





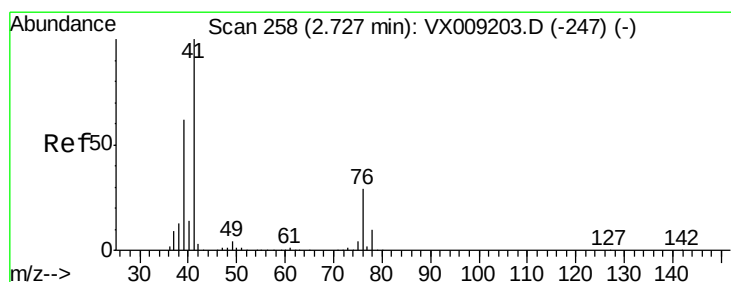
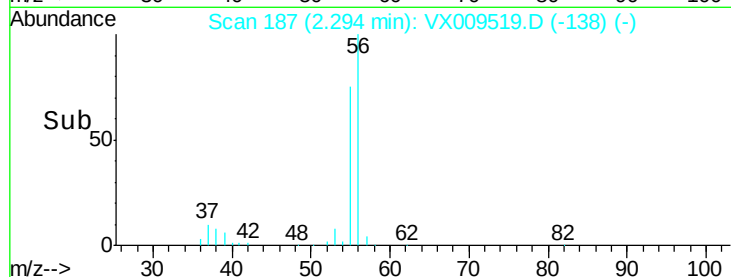
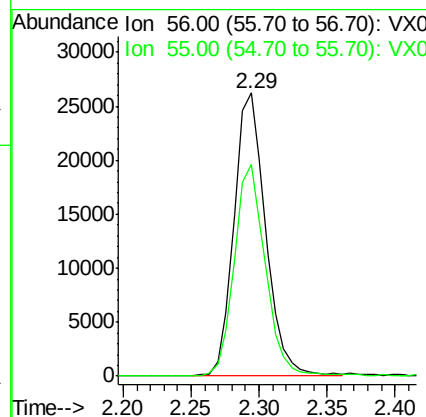
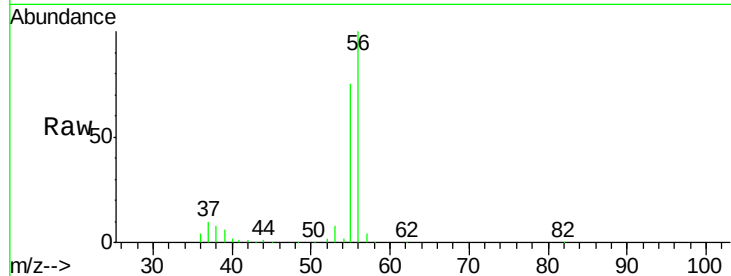
#13
 Acrolein
 Concen: 92.810 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	73.6	56.6	85.0

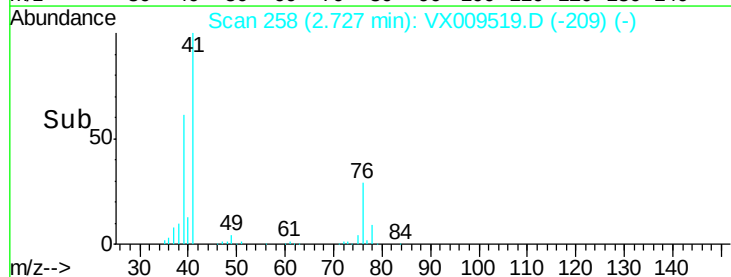
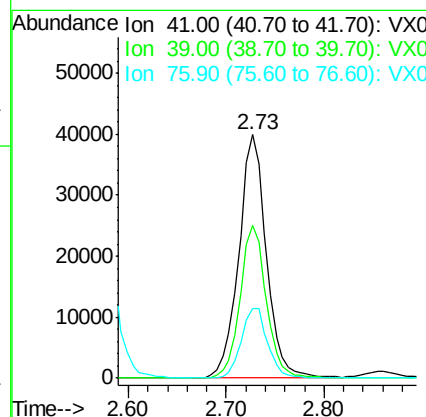
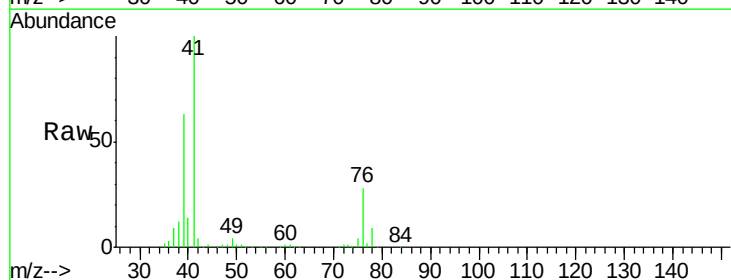
Manual Integrations
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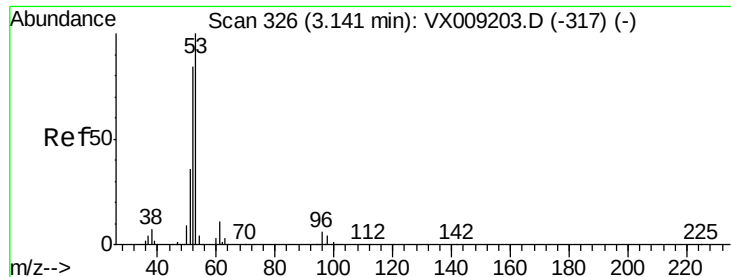
MMDadoda
 5/16/2019 9:16:52 AM



#14
 Allyl chloride
 Concen: 21.356 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.8	46.7	70.1
76	27.3	21.8	32.8





#15

Acrylonitrile

Concen: 110.211 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

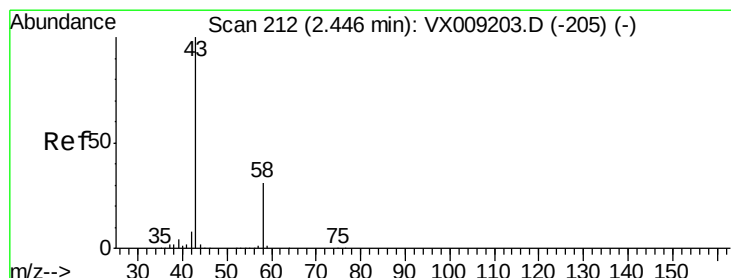
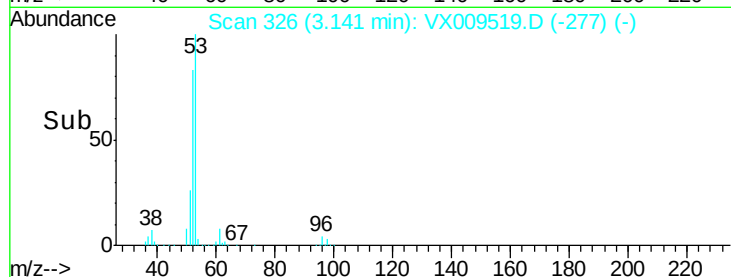
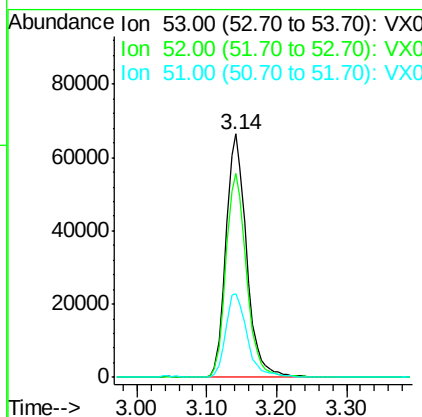
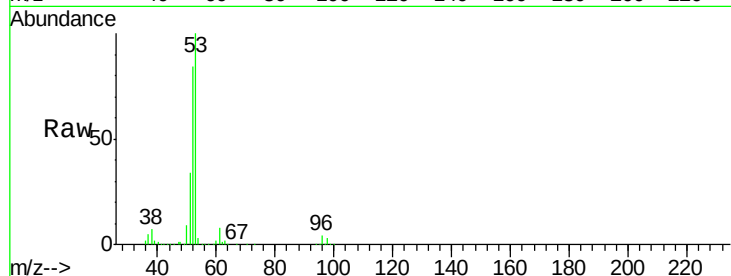
ClientSampleId :

VX0511MBS01

Tgt Ion:	53	Resp:	136443
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.9	100.3
51	35.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 111.109 ug/l

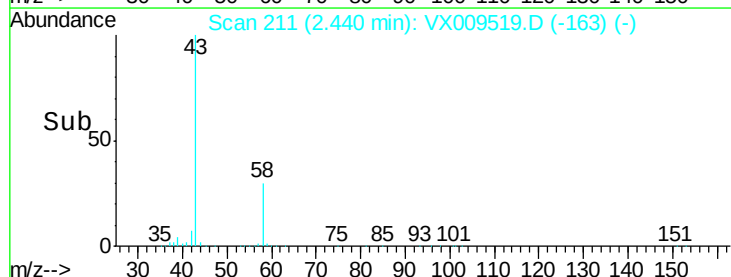
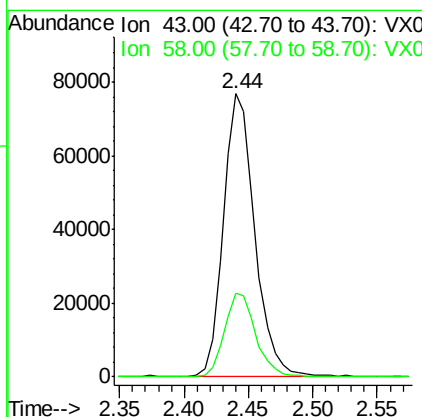
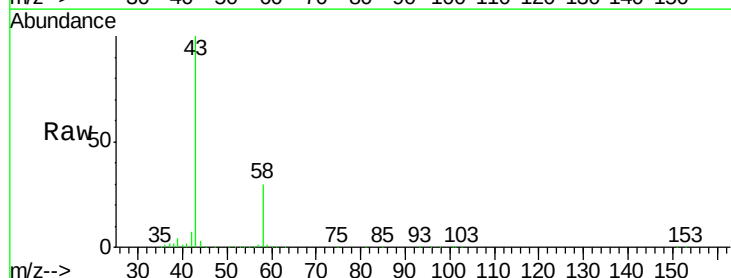
RT: 2.44 min Scan# 211

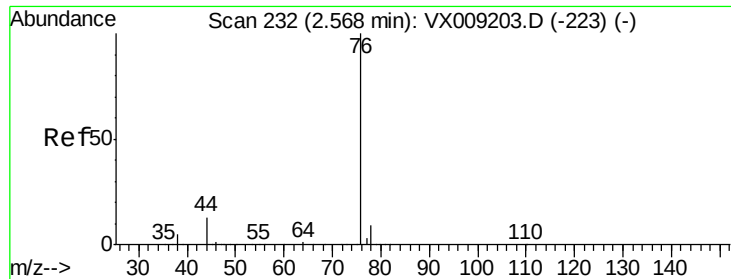
Delta R.T. -0.01 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Tgt Ion:	43	Resp:	130503
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.9	37.3





#17

Carbon Disulfide

Concen: 21.355 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion: 76 Resp: 90140

Ion Ratio Lower Upper

76 100

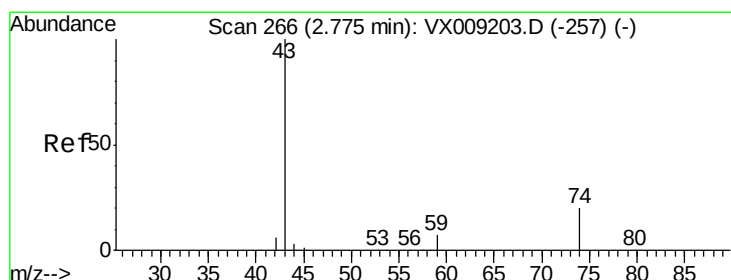
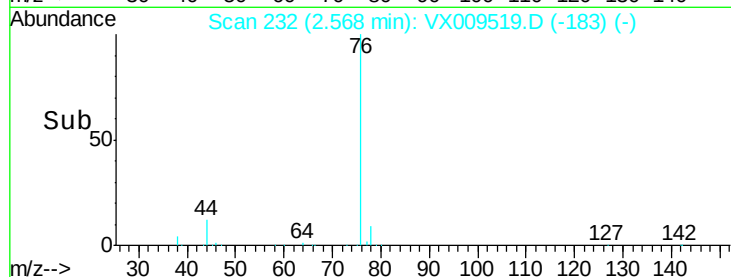
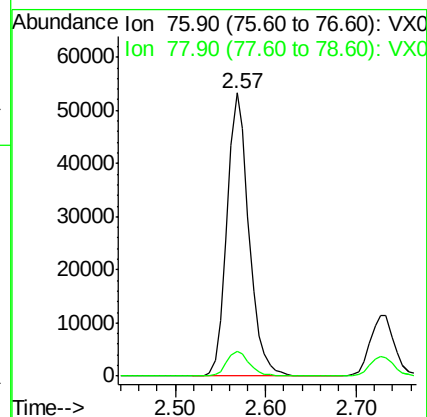
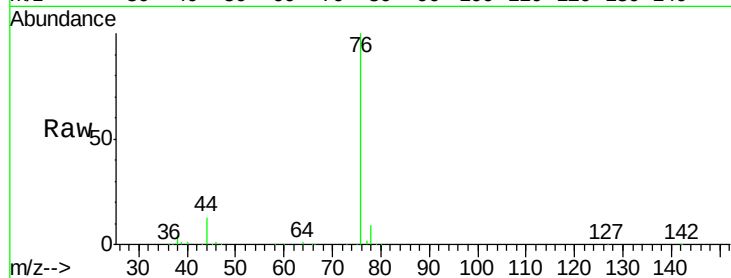
78 8.8 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 20.801 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009519.D

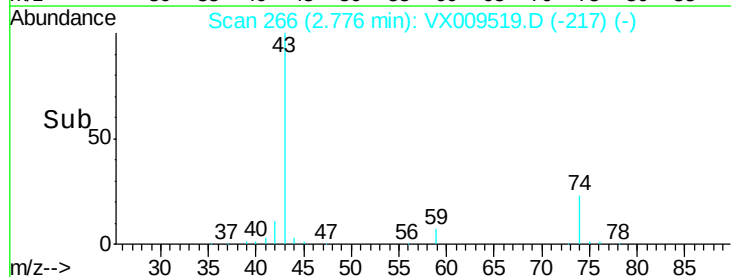
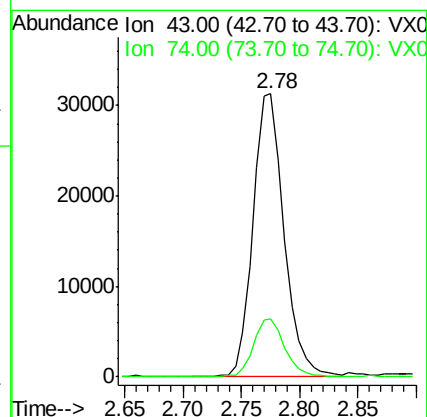
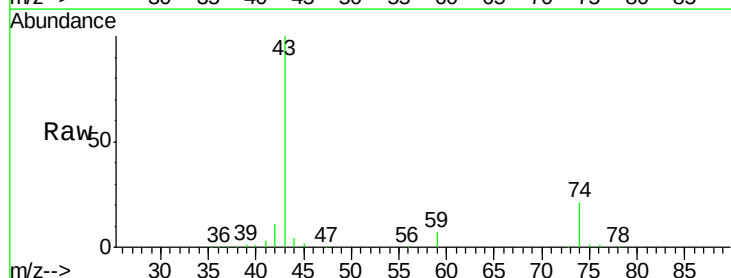
Acq: 11 May 2019 12:47

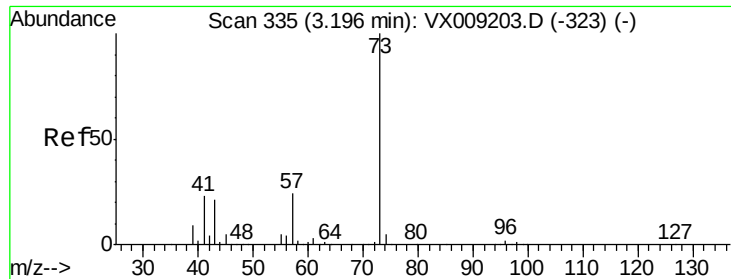
Tgt Ion: 43 Resp: 58103

Ion Ratio Lower Upper

43 100

74 21.1 16.2 24.4





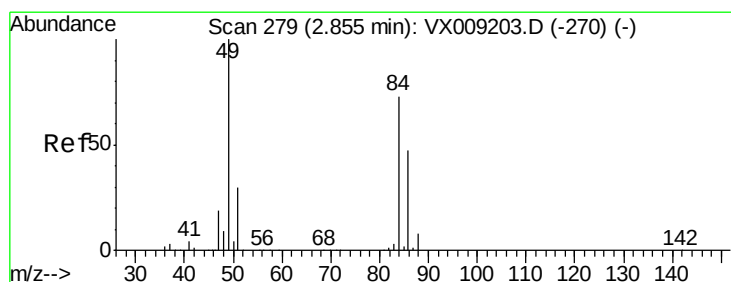
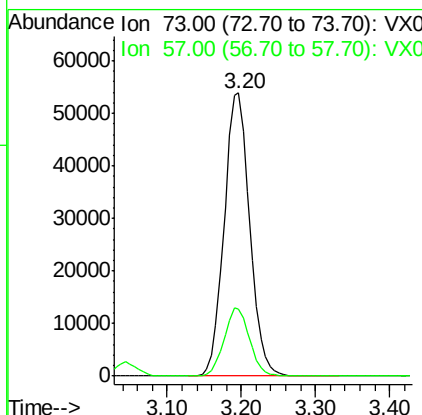
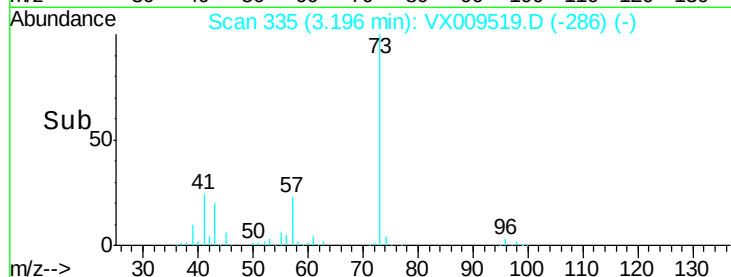
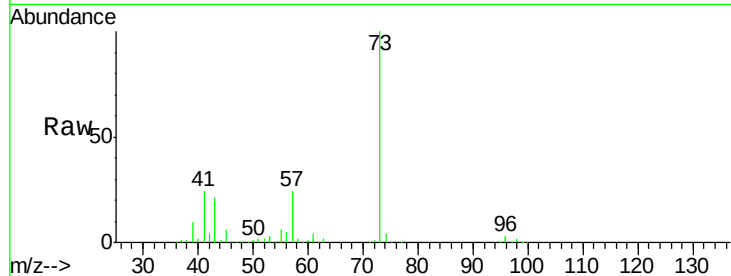
#19
Methyl tert-butyl Ether
Concen: 22.142 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion: 73 Resp: 129272
Ion Ratio Lower Upper
73 100
57 23.5 19.3 28.9

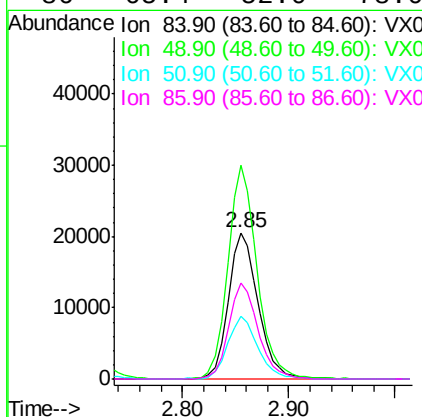
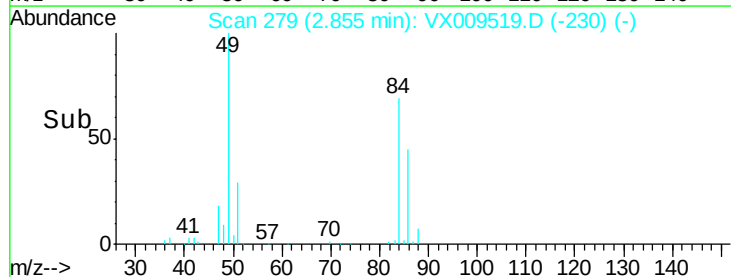
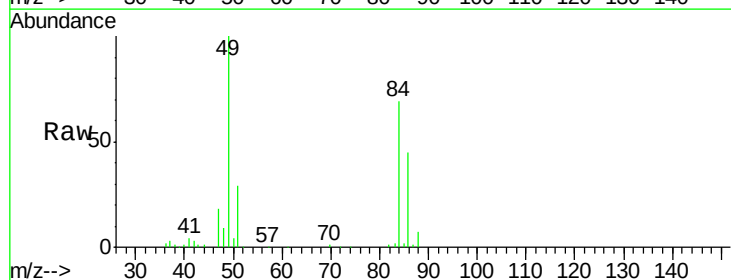
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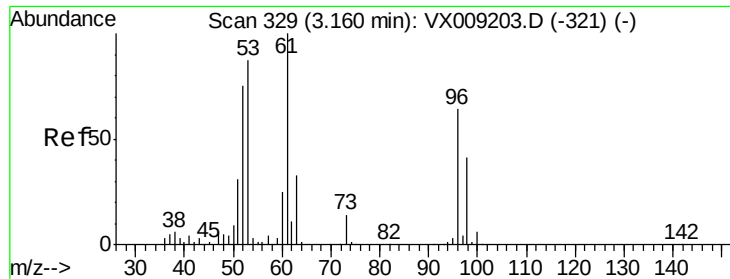
MMDadoda
5/16/2019 9:16:52 AM



#20
Methylene Chloride
Concen: 21.191 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 84 Resp: 40300
Ion Ratio Lower Upper
84 100
49 145.8 109.9 164.9
51 42.4 32.7 49.1
86 65.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 22.084 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion: 96 Resp: 36009

Ion Ratio Lower Upper

96 100

61 156.7 124.5 186.7

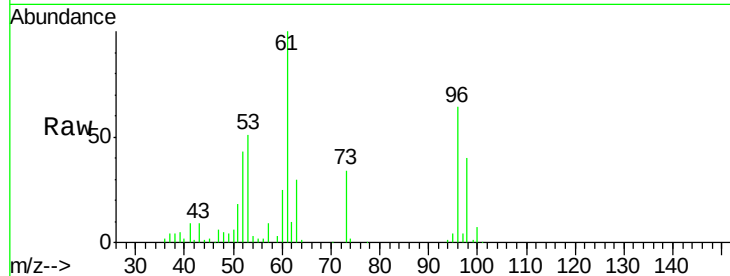
98 62.4 50.4 75.6

Manual Integrations

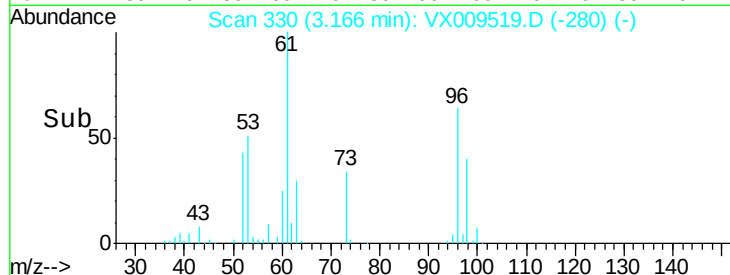
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Abundance Ion 95.90 (95.60 to 96.60): VX009519.D (-280) (-)



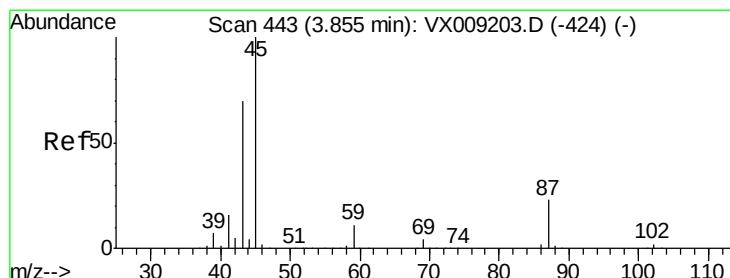
Ion 60.90 (60.60 to 61.60): VX009519.D (-280) (-)

Ion 97.90 (97.60 to 98.60): VX009519.D (-280) (-)

Time-->

3.17

3.10 3.20 3.30



#22

Diisopropyl ether

Concen: 22.493 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Tgt Ion: 45 Resp: 158487

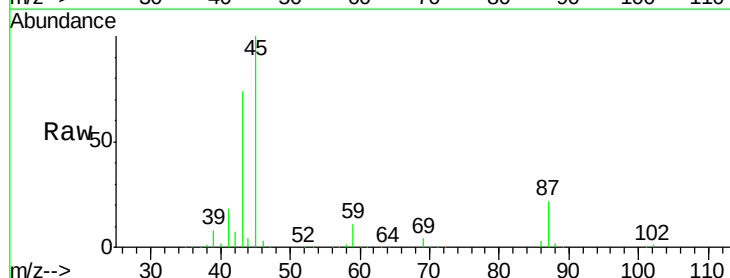
Ion Ratio Lower Upper

45 100

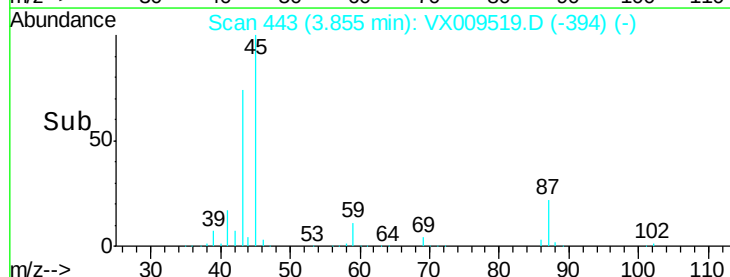
43 74.1 56.1 84.1

87 22.2 18.1 27.1

59 10.6 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): VX009519.D (-394) (-)



Ion 43.00 (42.70 to 43.70): VX009519.D (-394) (-)

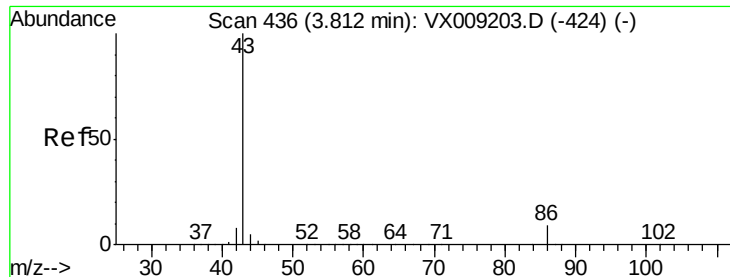
Ion 87.00 (86.70 to 87.70): VX009519.D (-394) (-)

Ion 59.00 (58.70 to 59.70): VX009519.D (-394) (-)

Time-->

3.85

3.70 3.80 3.90 4.00



#23

Vinyl Acetate

Concen: 115.014 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion: 43 Resp: 693964

Ion Ratio Lower Upper

43 100

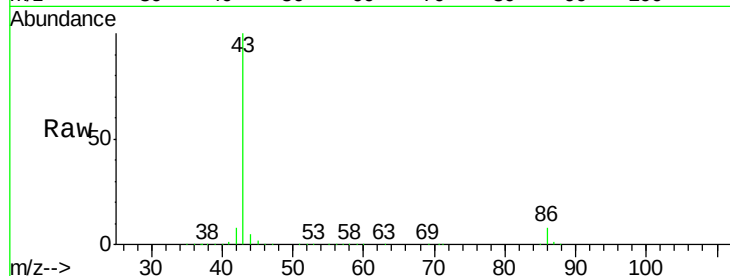
86 8.4 6.9 10.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

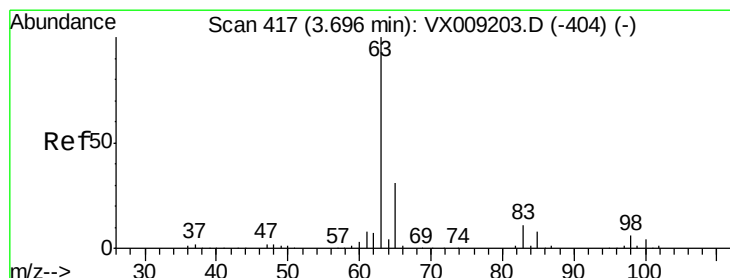
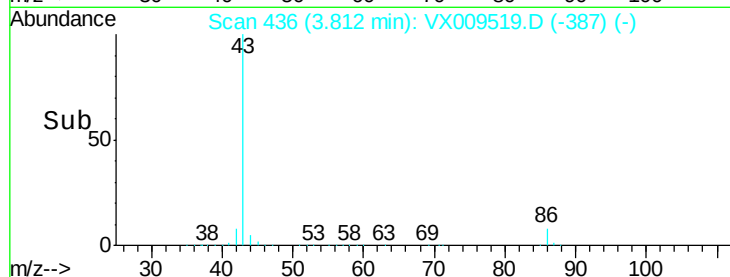
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.571 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

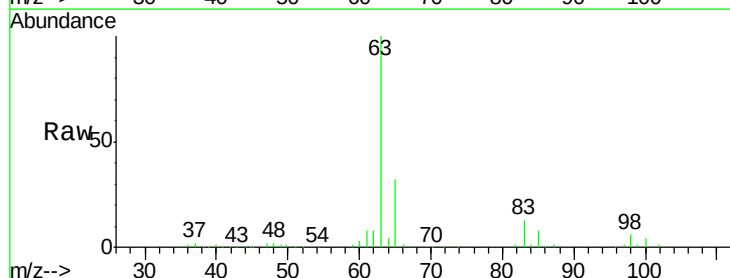
Tgt Ion: 63 Resp: 74982

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.8 2.0 6.0



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

40000

30000

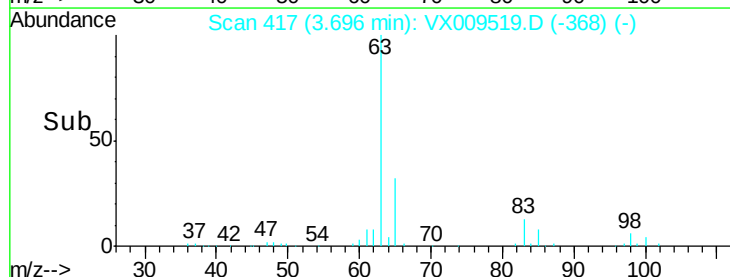
20000

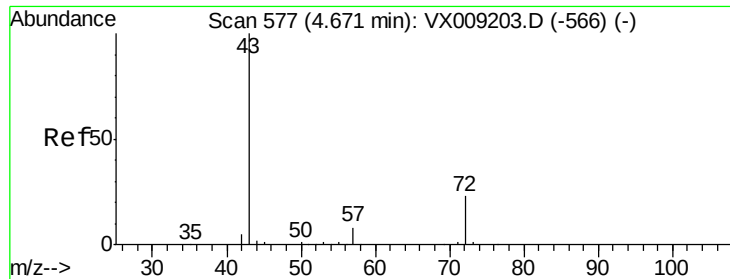
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 113.076 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion: 43 Resp: 206388

Ion Ratio Lower Upper

43 100

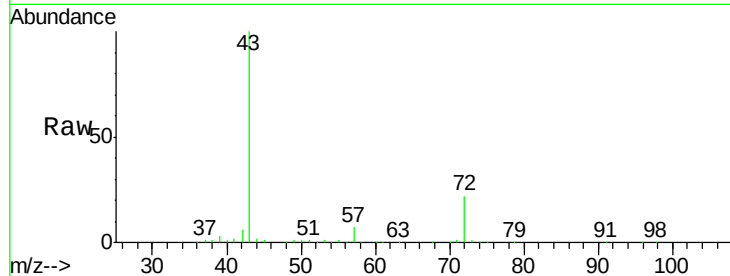
72 21.6 18.2 27.2

Manual Integrations

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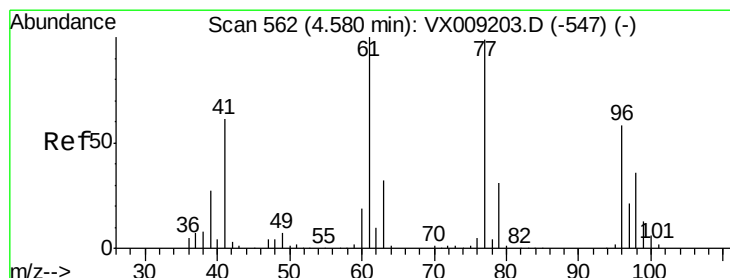
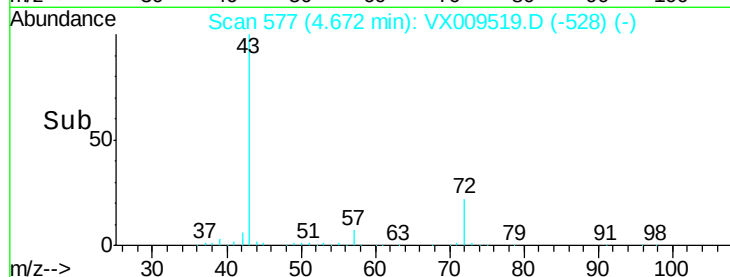
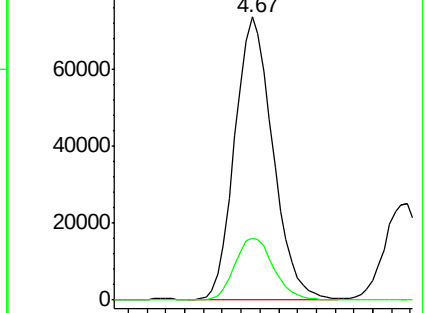
MMDadoda

5/16/2019 9:16:52 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: 21.120 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009519.D

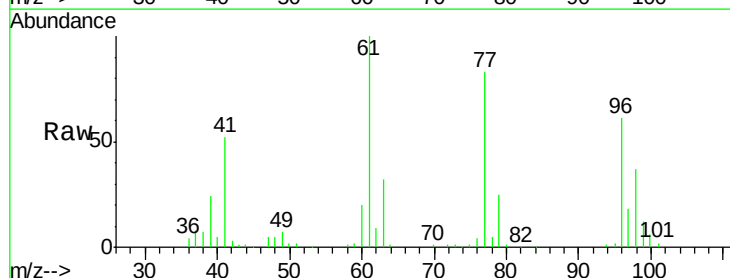
Acq: 11 May 2019 12:47

Tgt Ion: 77 Resp: 54645

Ion Ratio Lower Upper

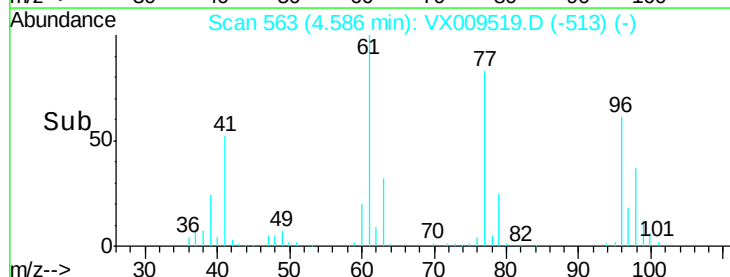
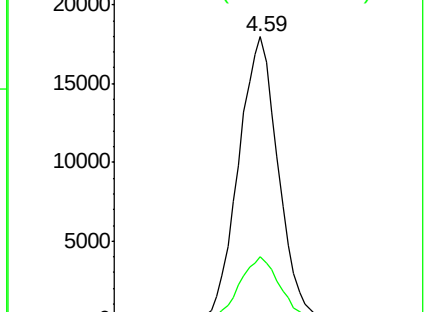
77 100

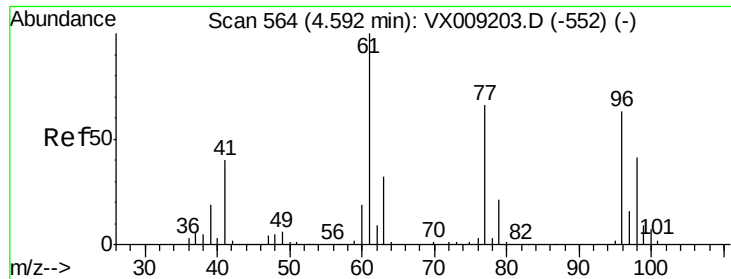
97 22.7 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

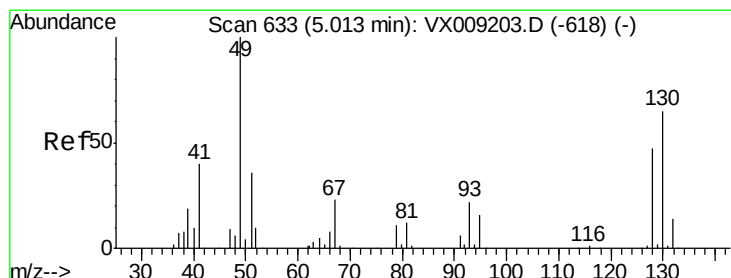
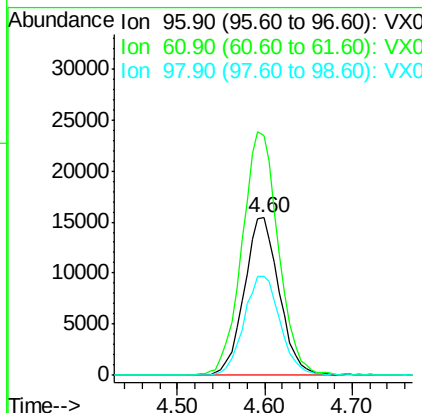
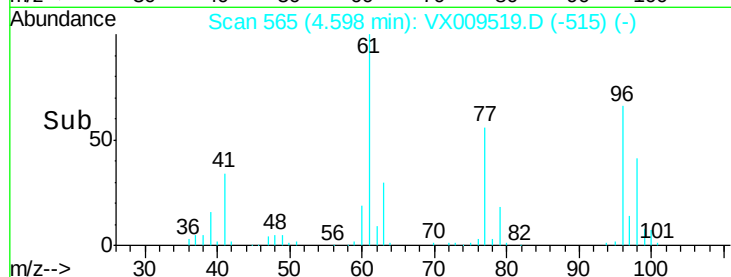
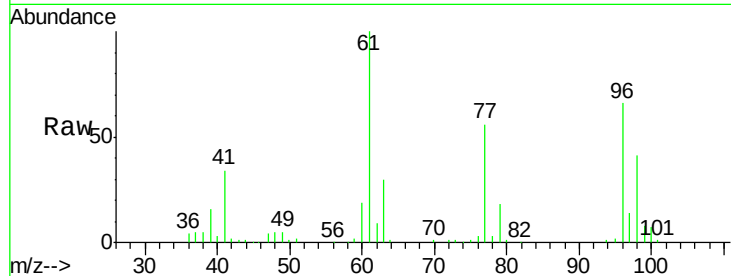
cis-1,2-Dichloroethene
Concen: 21.966 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion: 96 Resp: 42751
Ion Ratio Lower Upper
96 100
61 160.7 0.0 324.0
98 65.1 0.0 130.4

Manual Integrations
APPROVED

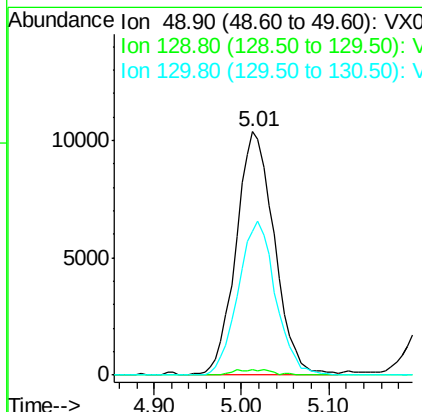
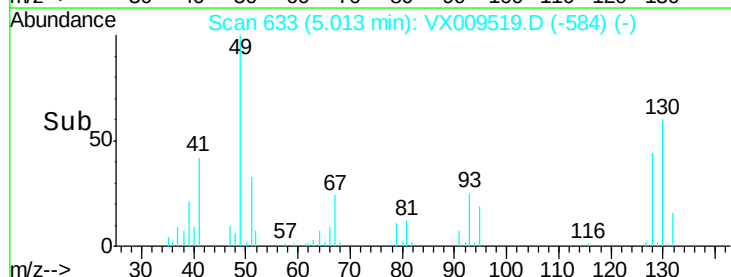
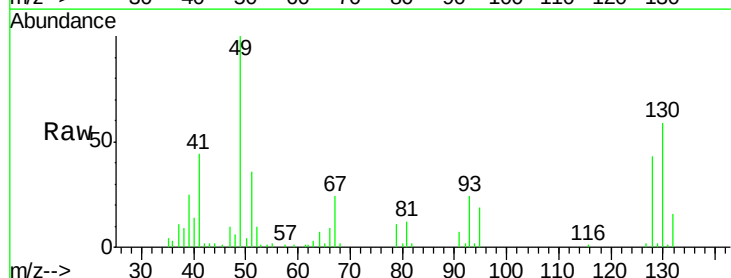
MMDadoda
5/16/2019 9:16:52 AM

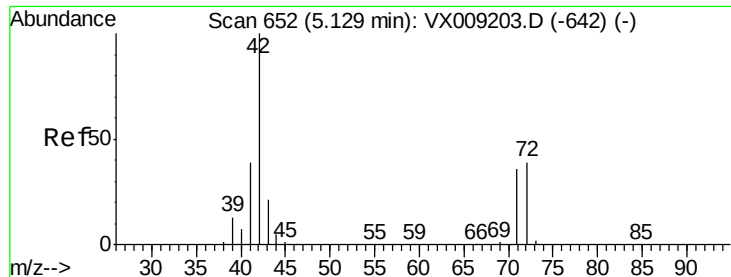


#28

Bromochloromethane
Concen: 20.990 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 49 Resp: 31596
Ion Ratio Lower Upper
49 100
129 2.2 0.0 3.8
130 61.6 51.2 76.8





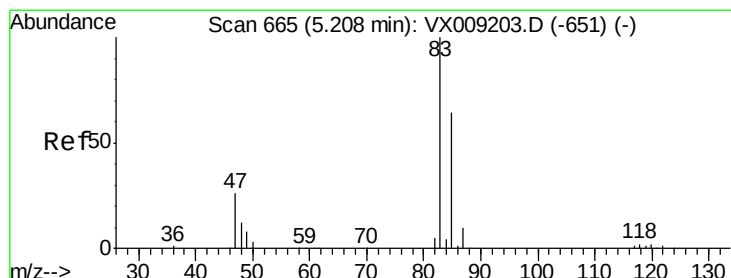
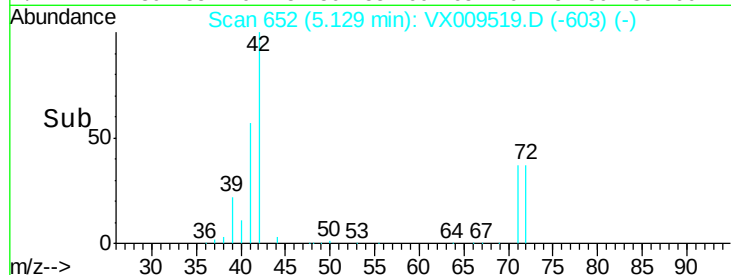
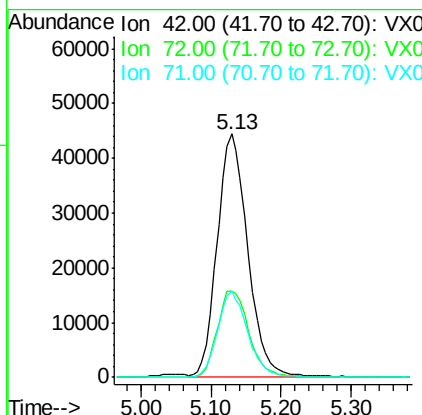
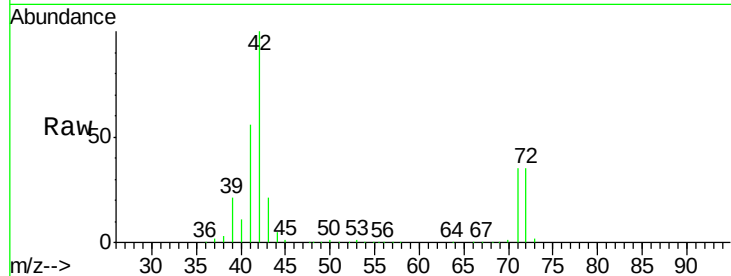
#29
Tetrahydrofuran
Concen: 113.925 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.3	30.4	45.6
71	35.2	28.6	43.0

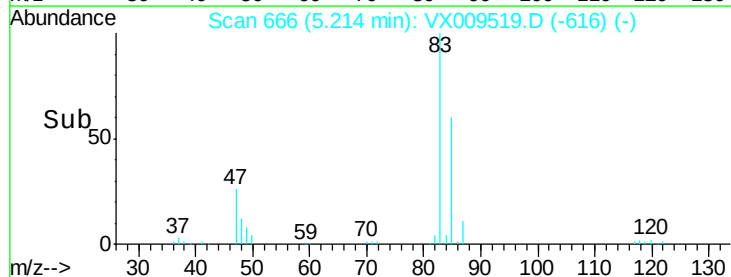
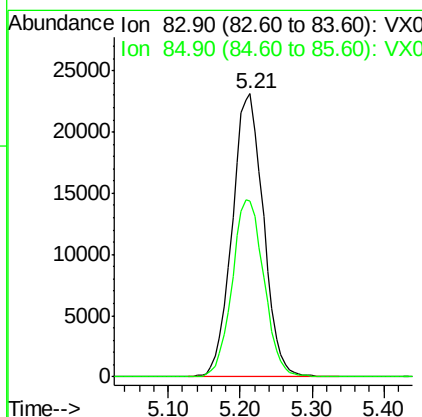
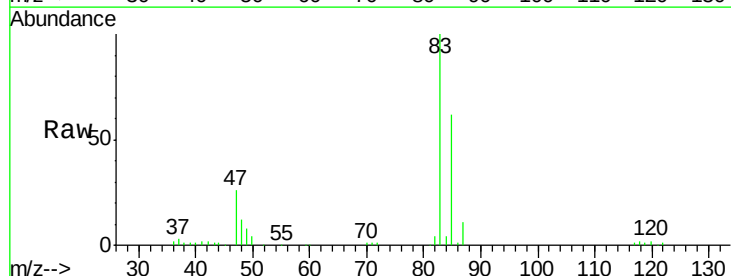
Manual Integrations
APPROVED

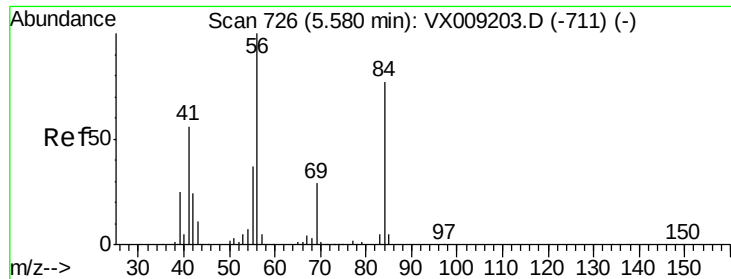
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#30
Chloroform
Concen: 22.171 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.5	77.3





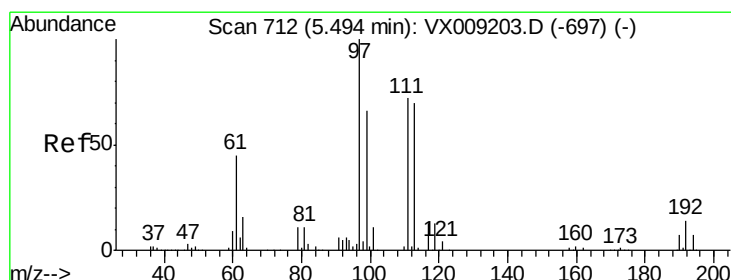
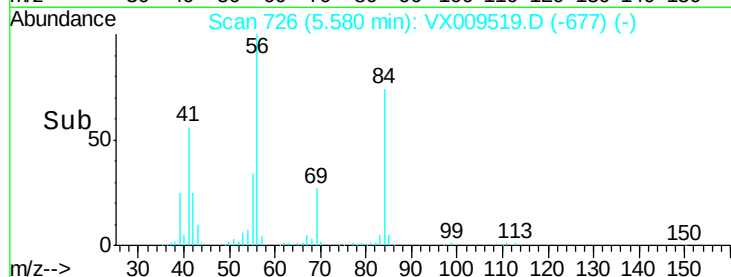
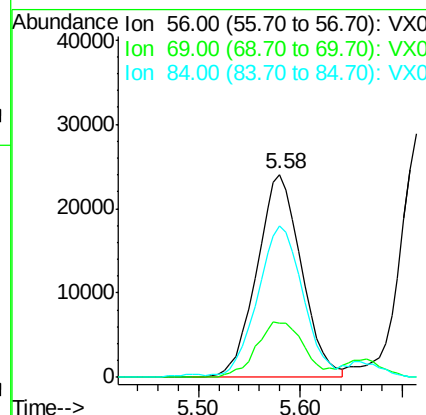
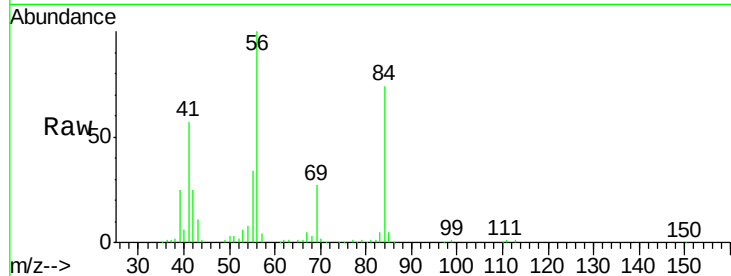
#31
Cyclohexane
Concen: 22.519 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	26.7	23.4	35.0
84	72.9	61.9	92.9

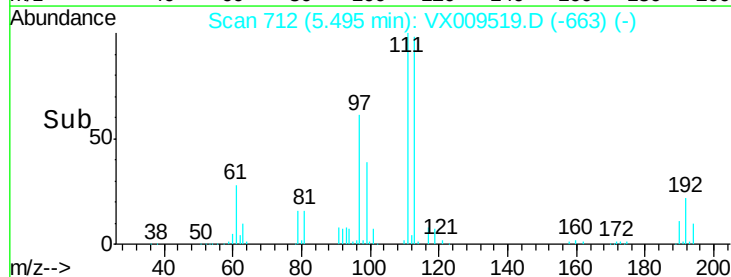
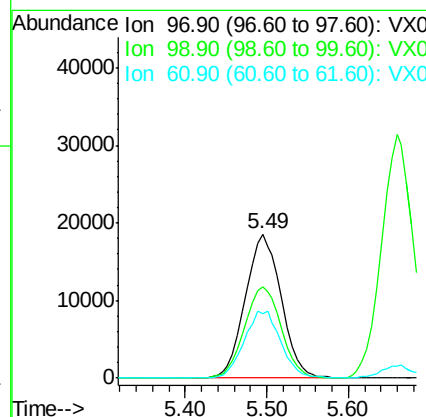
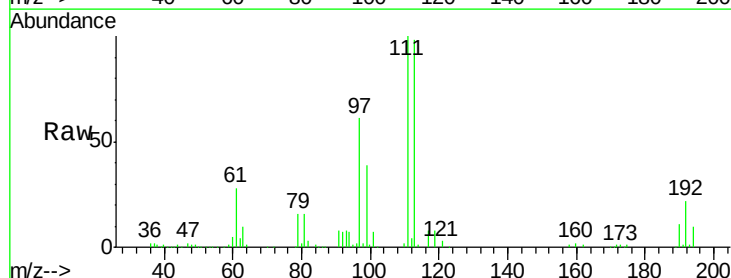
Manual Integrations
APPROVED

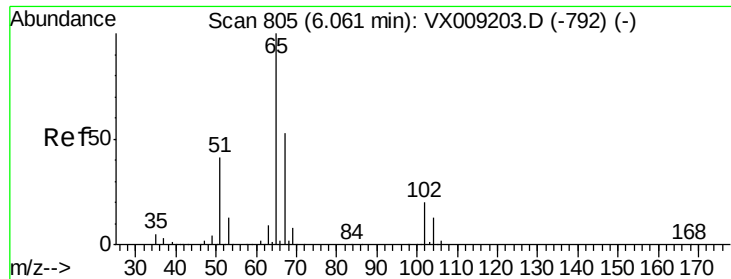
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.655 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.8
61	47.8	37.8	56.8





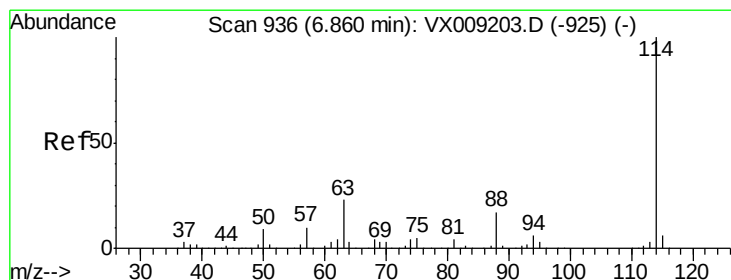
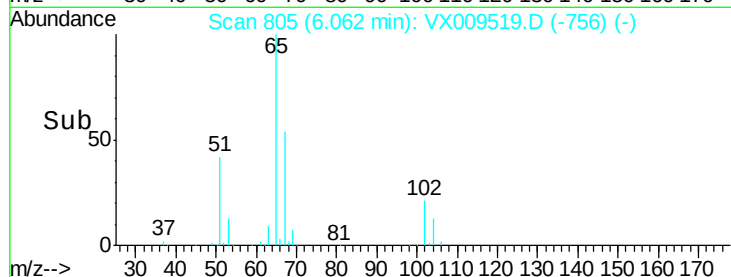
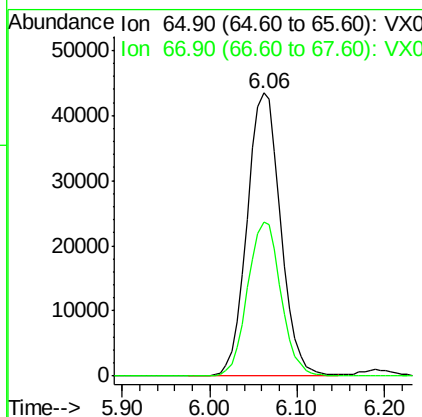
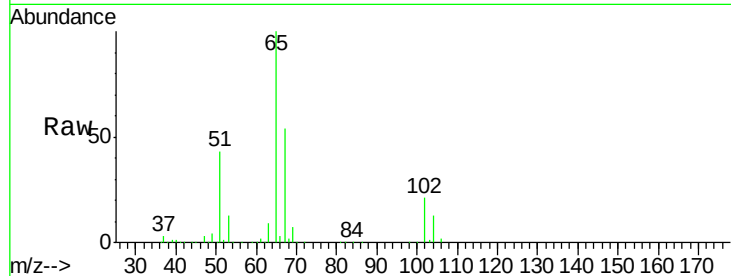
#33
 1,2-Dichloroethane-d4
 Concen: 52.953 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	115829		
67	54.5	0.0	106.6	

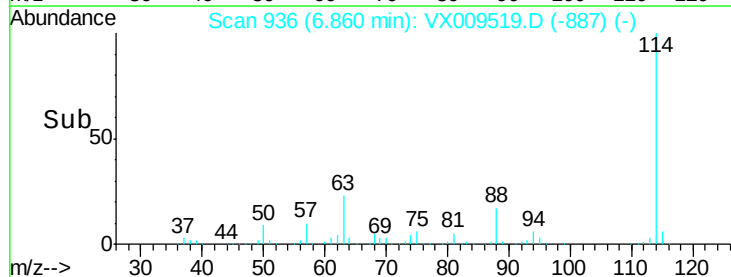
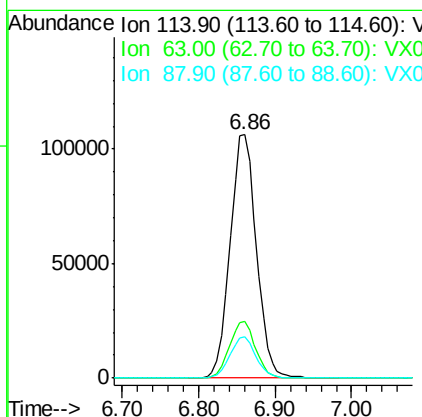
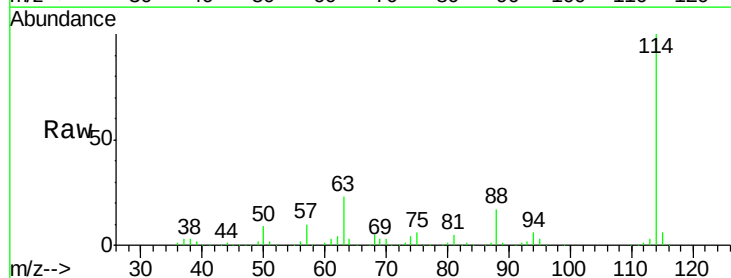
Manual Integrations
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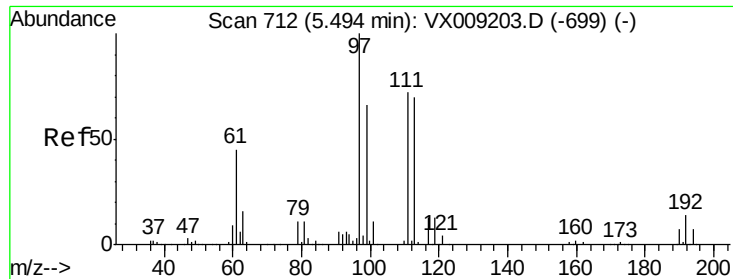
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	253305		
63	23.1	0.0	45.6	
88	16.9	0.0	33.2	





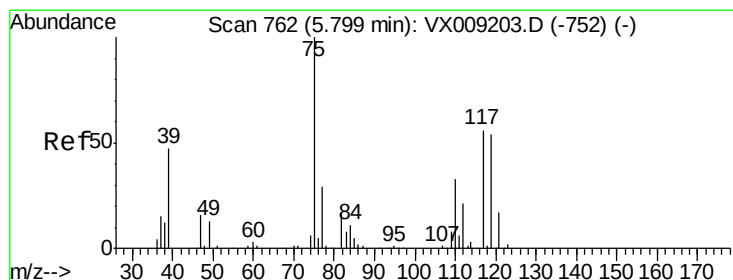
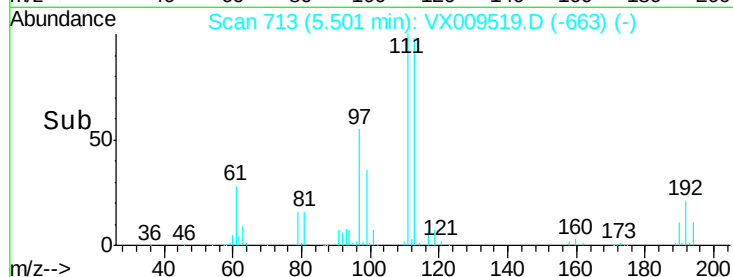
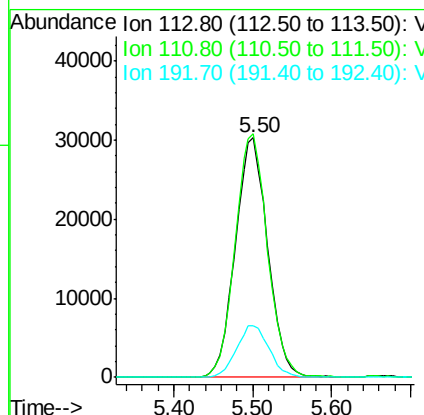
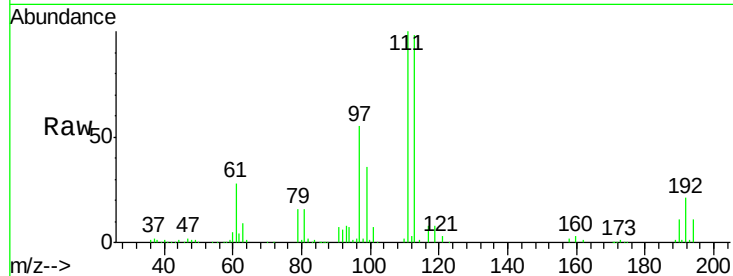
#35
Dibromofluoromethane
Concen: 54.305 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion: 113 Resp: 86474
Ion Ratio Lower Upper
113 100
111 101.5 82.8 124.2
192 21.9 17.0 25.6

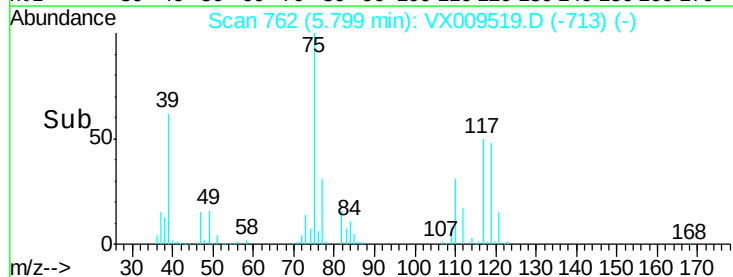
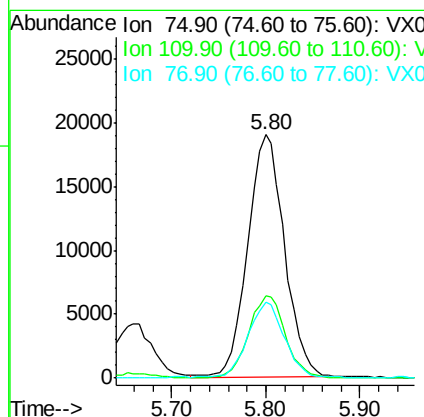
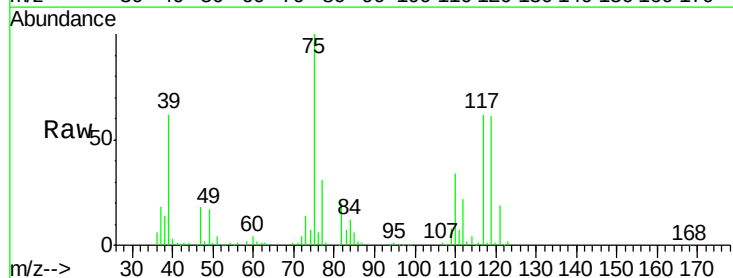
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APPROVED

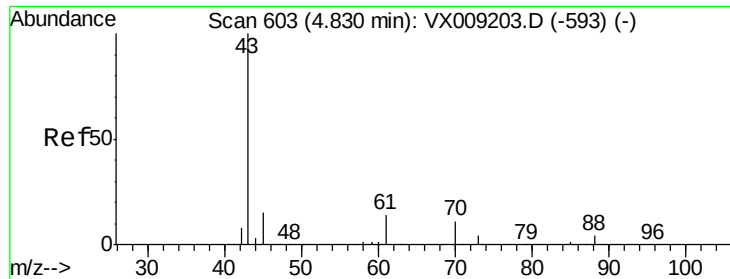
MMDadoda
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#36
1,1-Dichloropropene
Concen: 22.114 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 75 Resp: 52056
Ion Ratio Lower Upper
75 100
110 33.9 16.9 50.6
77 31.6 24.8 37.2





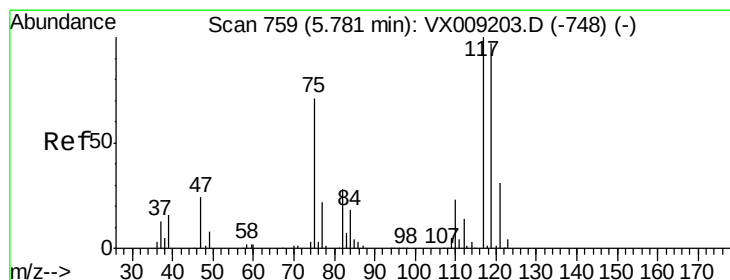
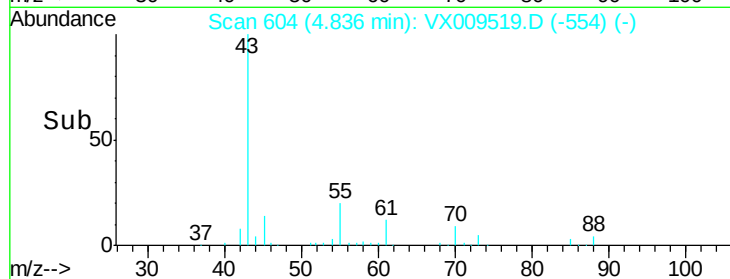
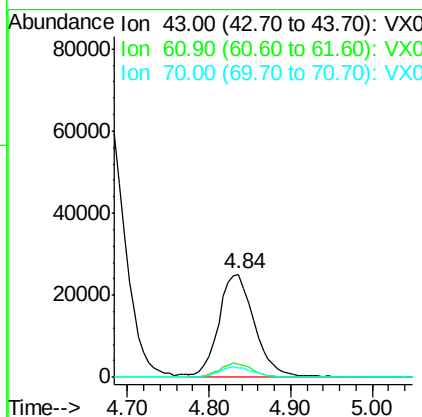
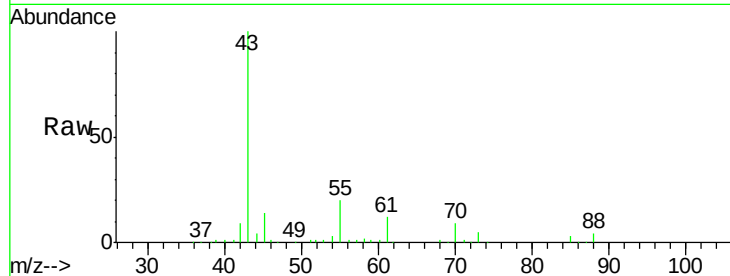
#37
Ethyl Acetate
Concen: 22.802 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion: 43 Resp: 74786
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 9.8 7.9 11.9

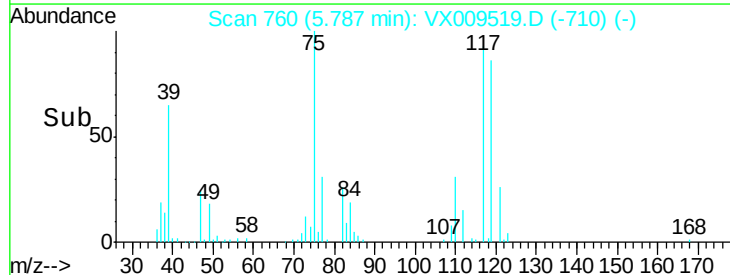
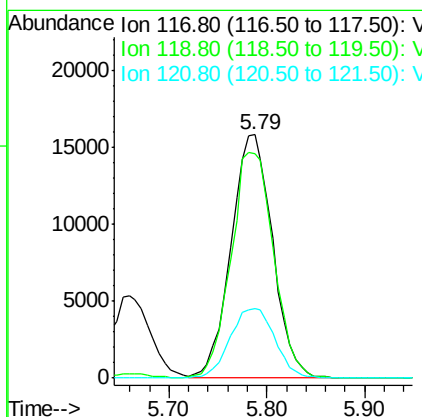
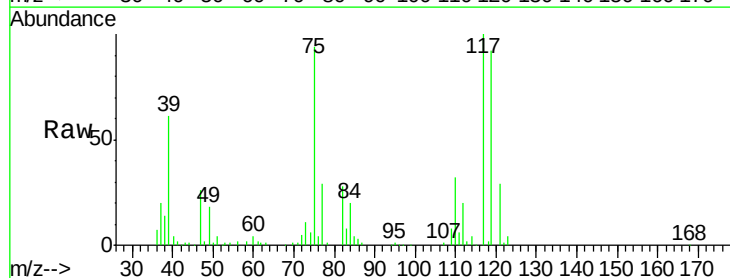
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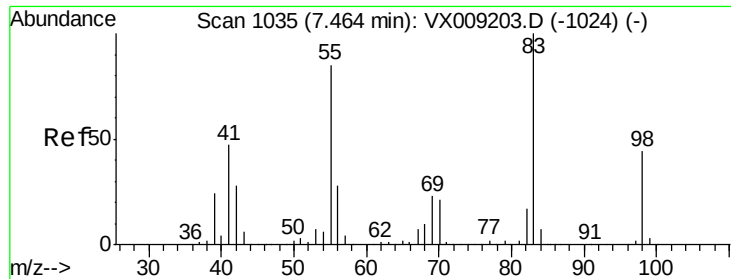
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#38
Carbon Tetrachloride
Concen: 21.811 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 117 Resp: 46648
Ion Ratio Lower Upper
117 100
119 92.4 77.5 116.3
121 28.6 24.7 37.1





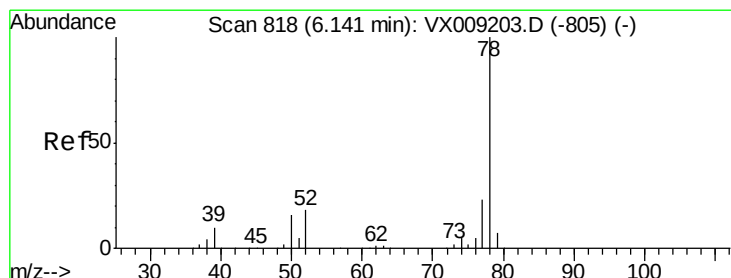
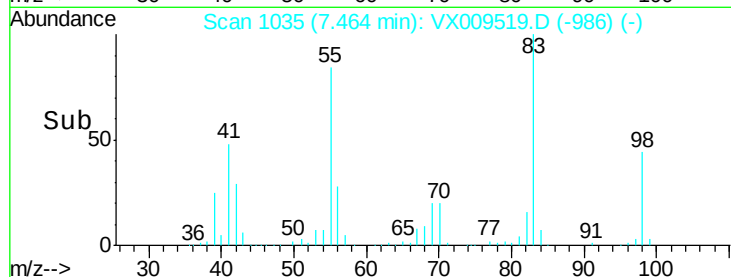
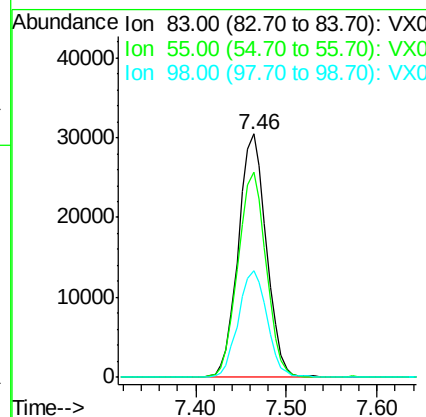
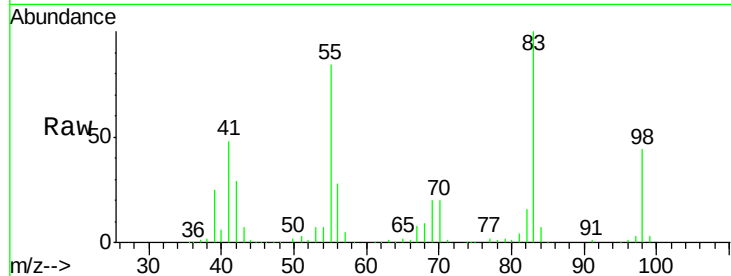
#39
Methylcyclohexane
Concen: 22.662 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.4	67.7	101.5
98	43.7	35.5	53.3

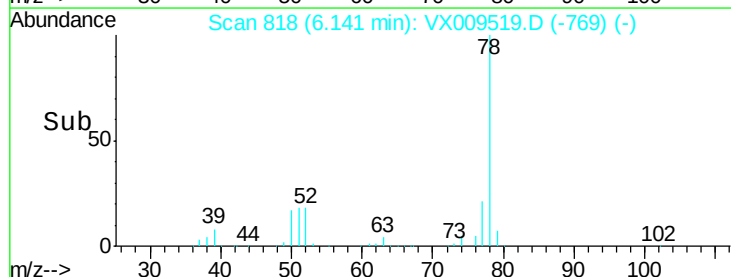
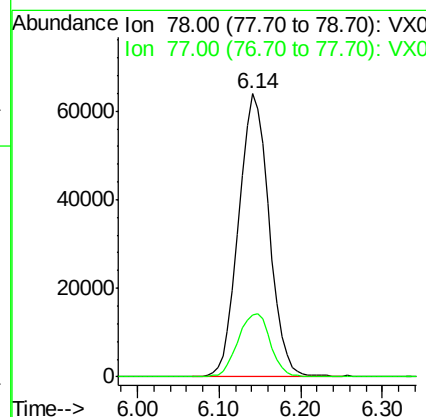
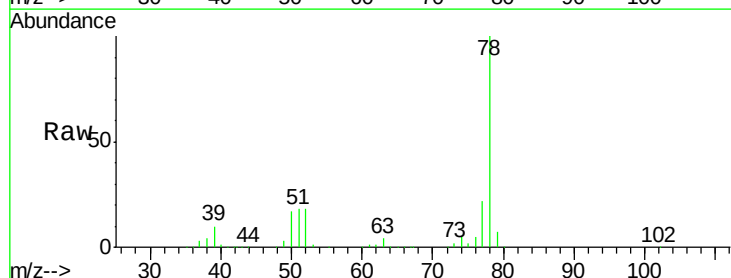
Manual Integrations
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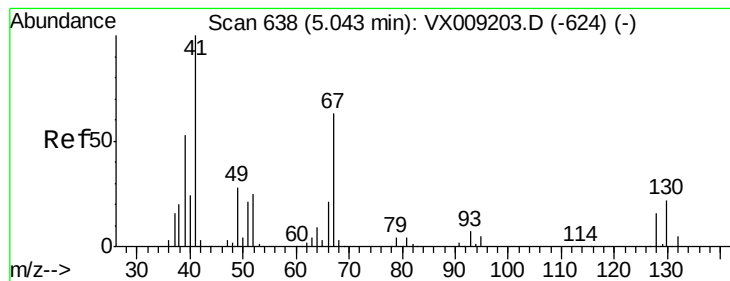
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#40
Benzene
Concen: 22.704 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.8	28.2





#41

Methacrylonitrile

Concen: 21.721 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

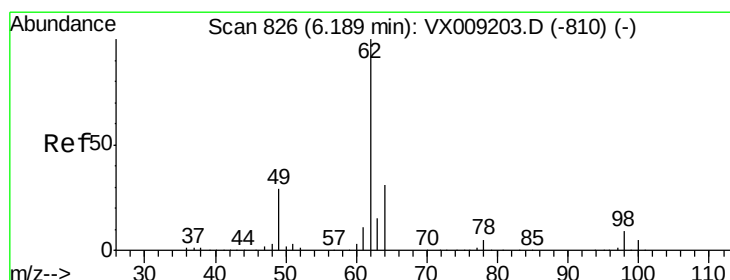
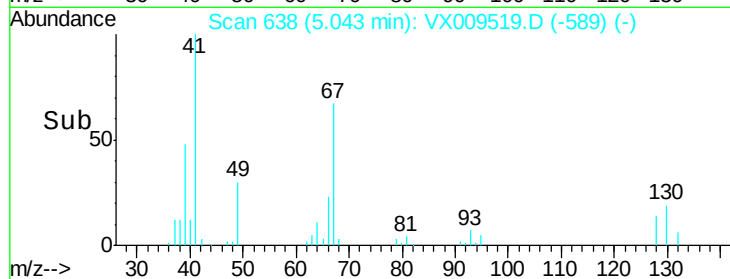
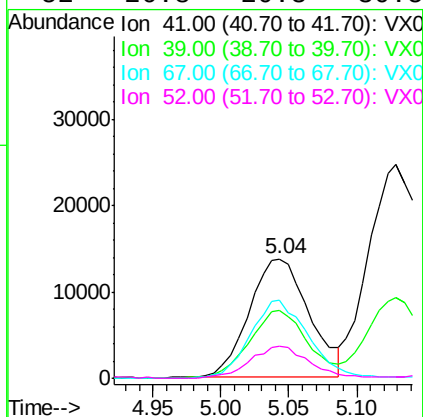
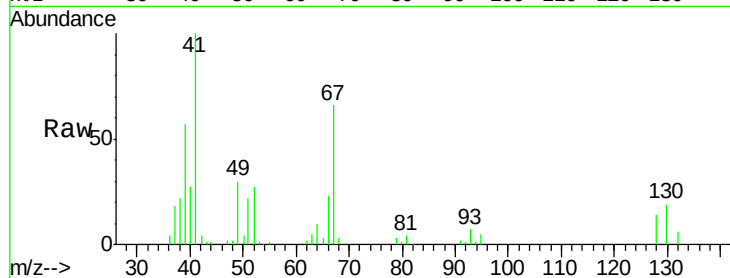
ClientSampleId :

VX0511MBS01

Tgt Ion:	41	Resp:	42408
Ion Ratio	Lower	Upper	
41	100		
39	55.7	42.0	63.0
67	64.0	49.8	74.8
52	26.8	20.3	30.5

Manual Integrations
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5/16/2019 9:16:52 AM



#42

1,2-Dichloroethane

Concen: 23.006 ug/l

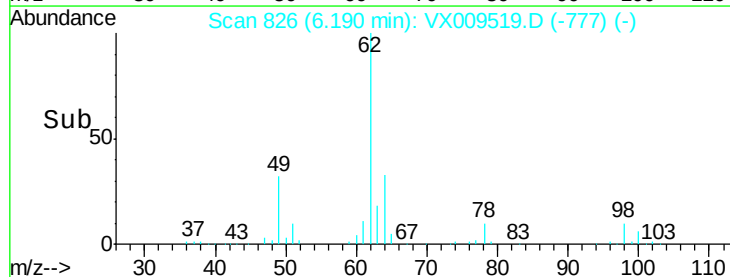
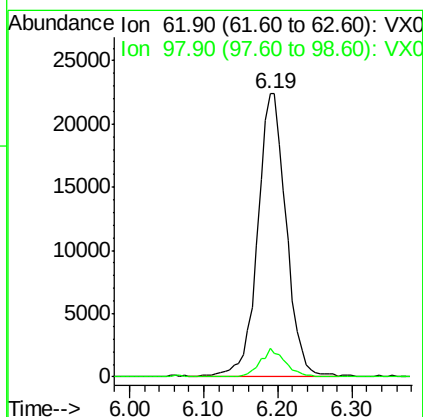
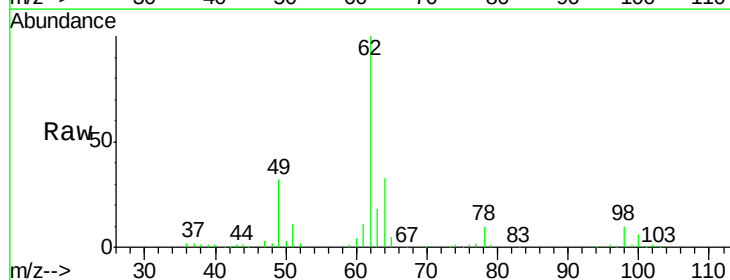
RT: 6.19 min Scan# 826

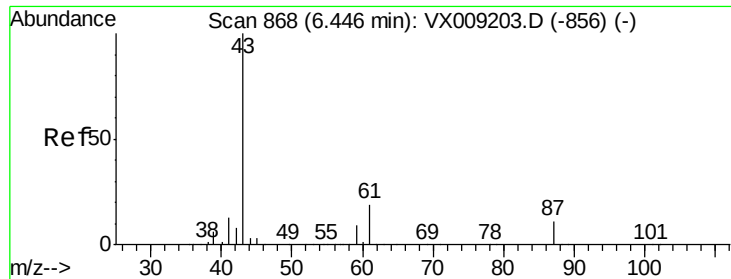
Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Tgt Ion:	62	Resp:	60123
Ion Ratio	Lower	Upper	
62	100		
98	8.6	0.0	18.2





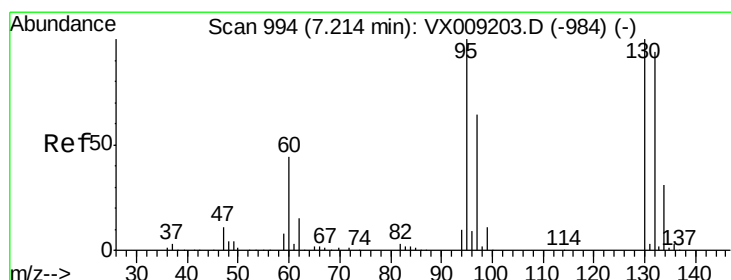
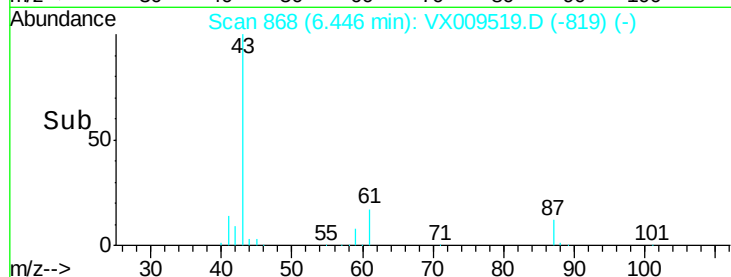
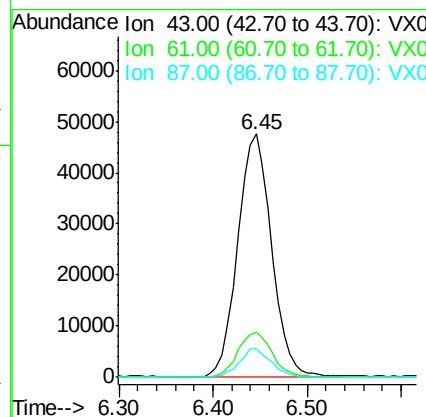
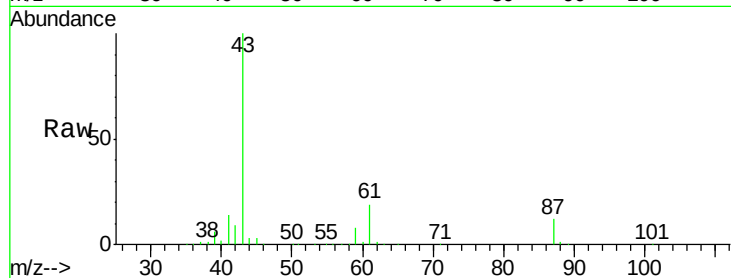
#43
Isopropyl Acetate
Concen: 22.651 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.1	22.7
87	11.2	9.0	13.6

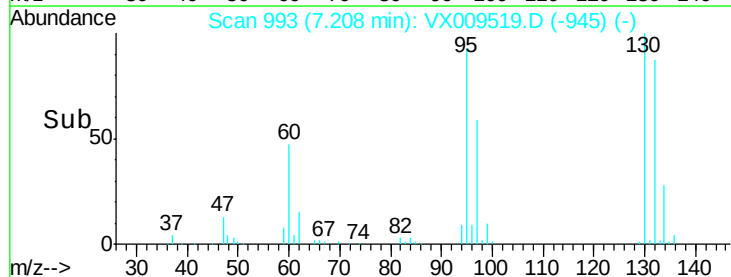
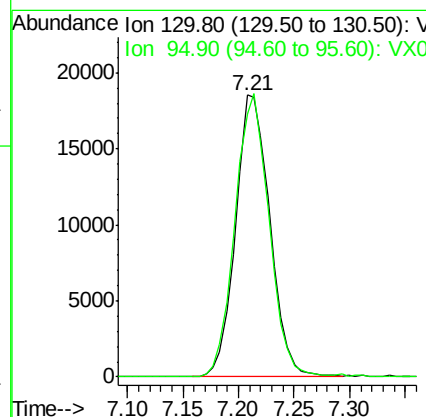
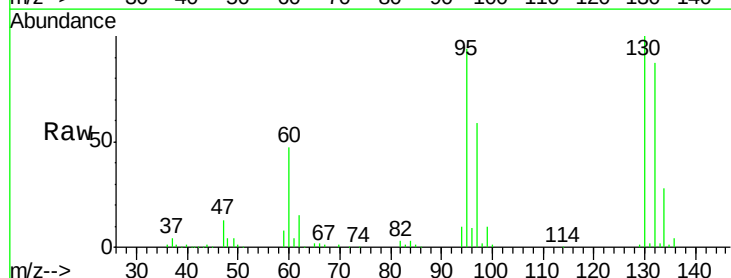
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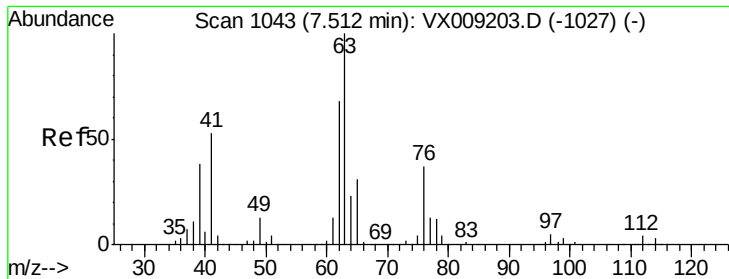
MMDadoda
5/16/2019 9:16:52 AM



#44
Trichloroethene
Concen: 22.465 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	199.2





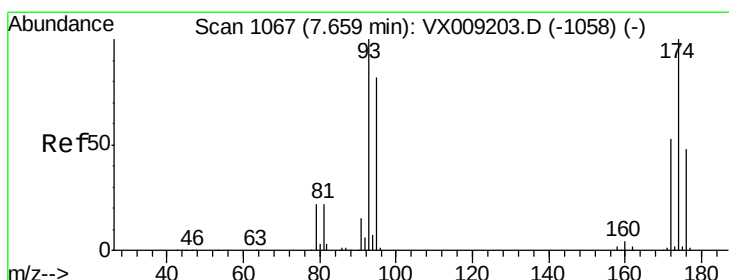
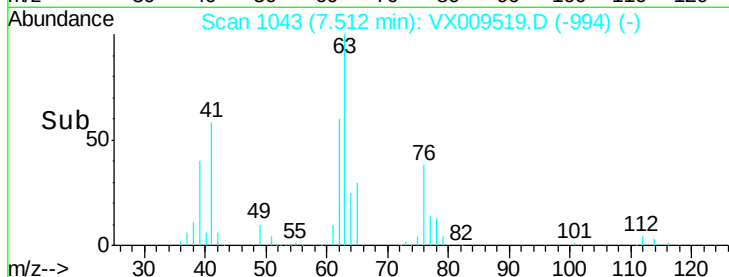
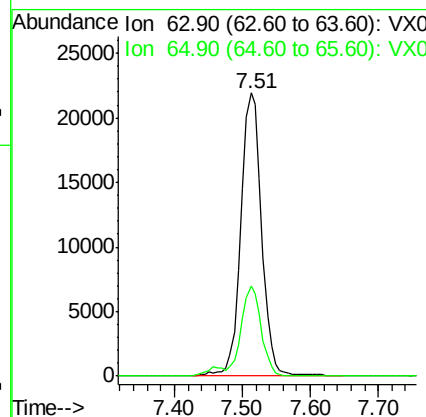
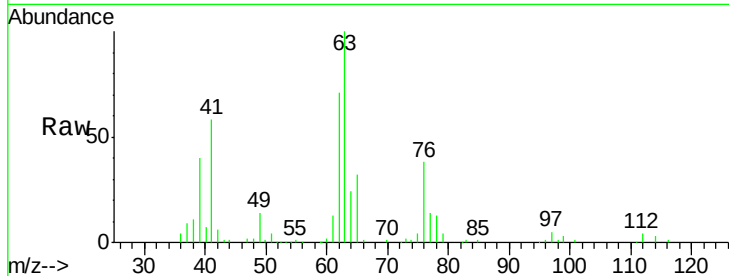
#45
 1,2-Dichloropropane
 Concen: 22.557 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tgt Ion: 63 Resp: 46532
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6

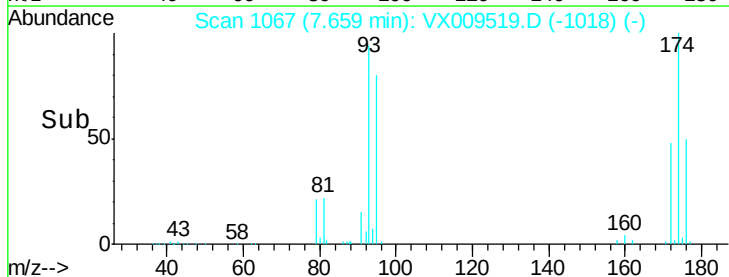
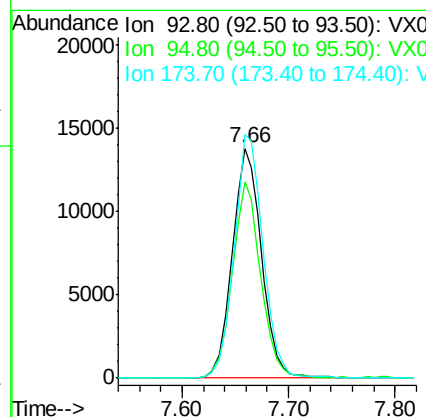
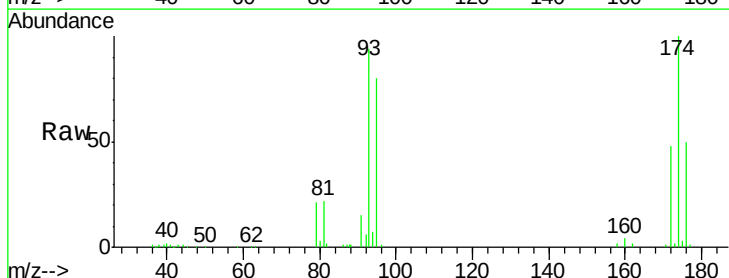
Manual Integrations
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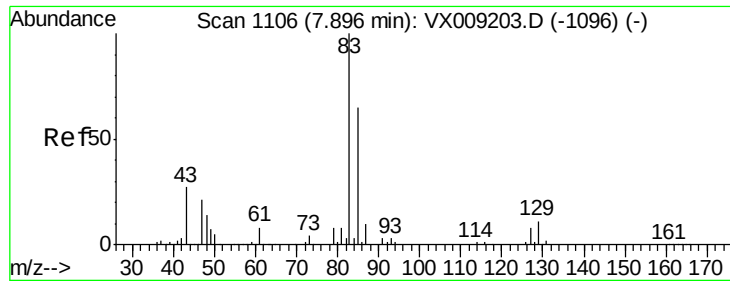
MMDadoda
 5/16/2019 9:16:52 AM



#46
 Dibromomethane
 Concen: 22.194 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion: 93 Resp: 26587
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.5 99.7
 174 104.6 82.1 123.1





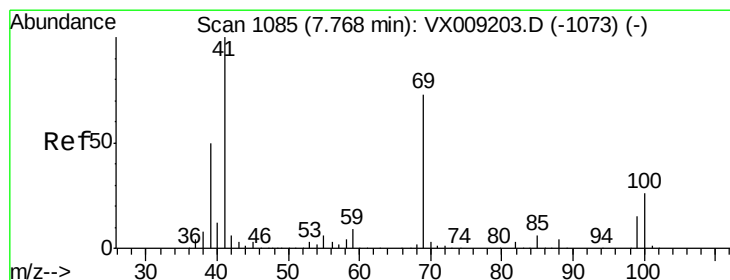
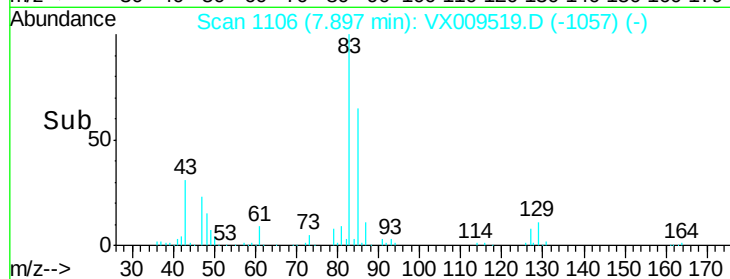
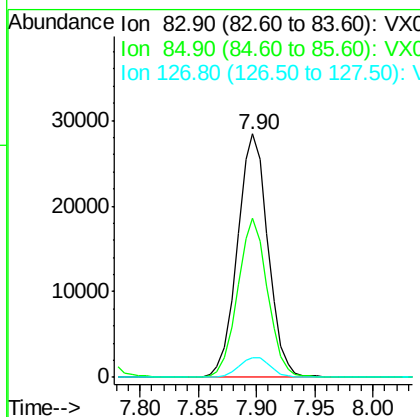
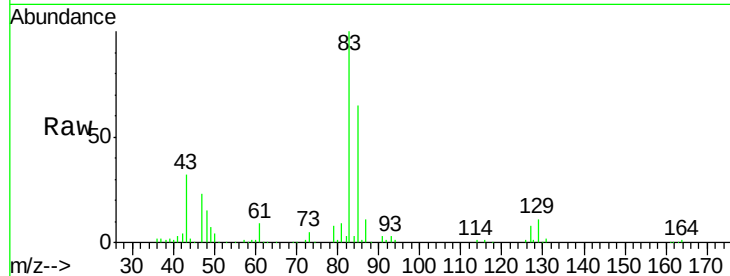
#47
Bromodichloromethane
Concen: 21.757 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.4	78.6
127	8.0	6.6	10.0

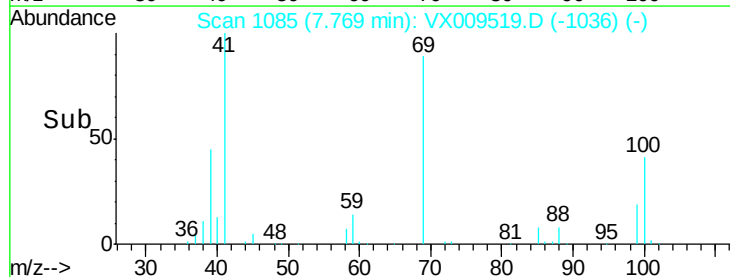
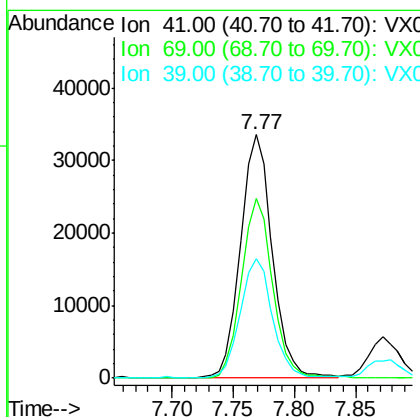
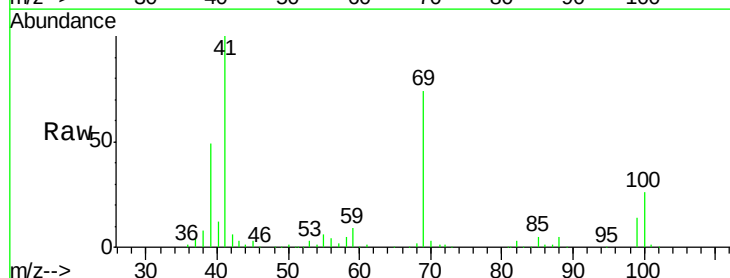
Manual Integrations
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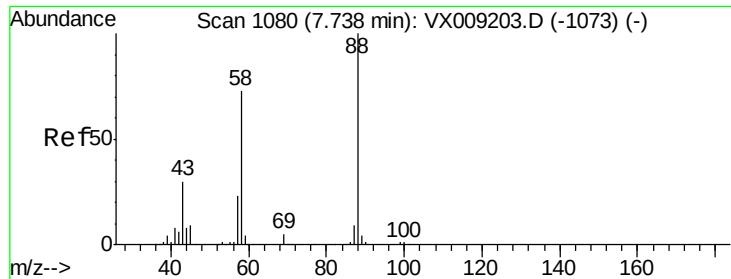
MMDadoda
5/16/2019 9:16:52 AM



#48
Methyl methacrylate
Concen: 23.113 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.0	59.1	88.7
39	49.2	40.4	60.6





#49

1,4-Dioxane

Concen: 443.864 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

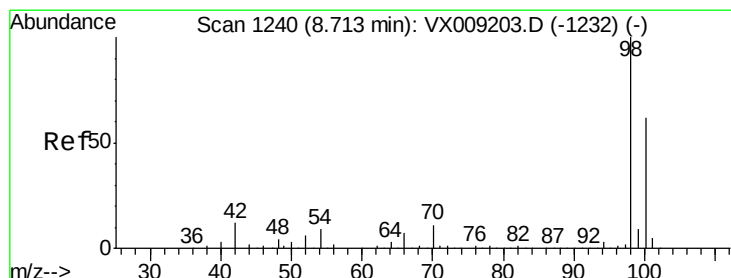
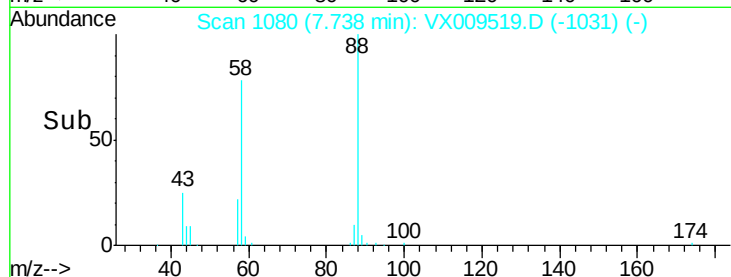
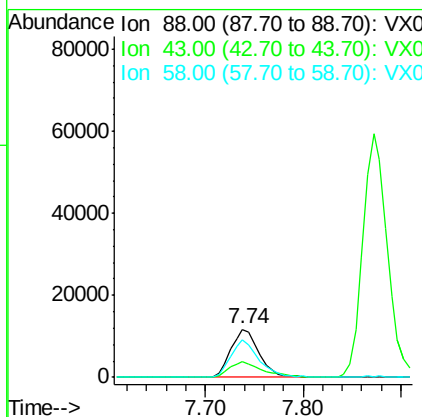
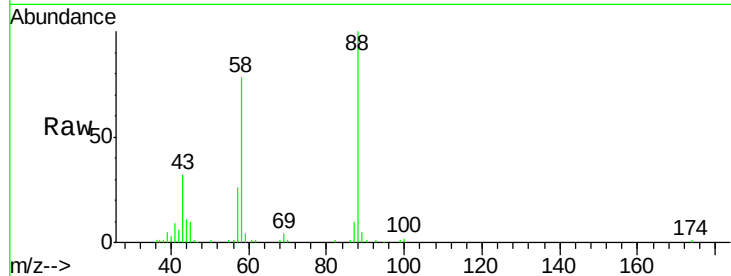
ClientSampleId :

VX0511MBS01

Tgt Ion:	88	Resp:	23429
Ion	Ratio	Lower	Upper
88	100		
43	36.4	28.6	42.8
58	77.7	61.7	92.5

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#50

Toluene-d8

Concen: 53.722 ug/l

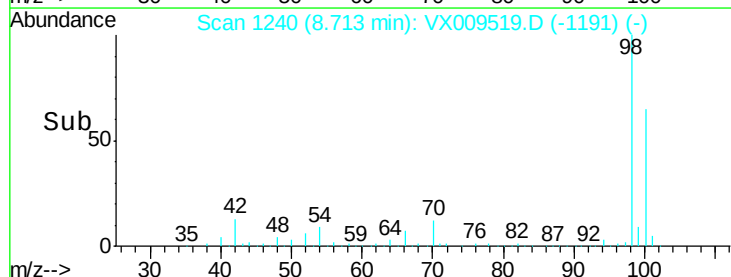
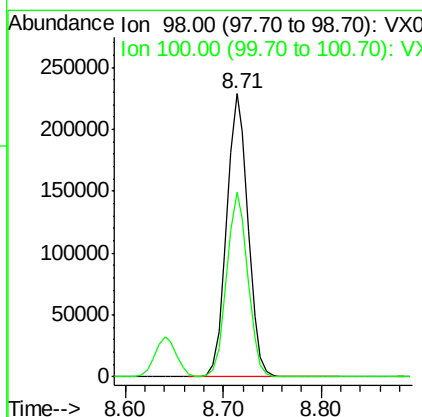
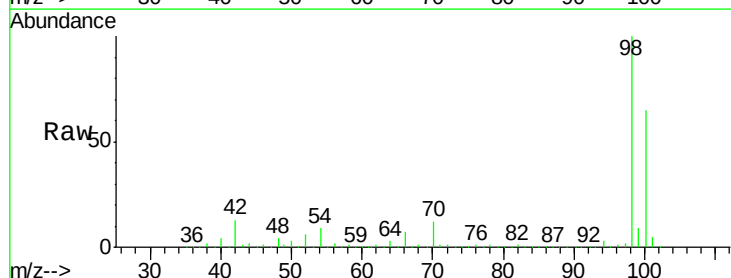
RT: 8.71 min Scan# 1240

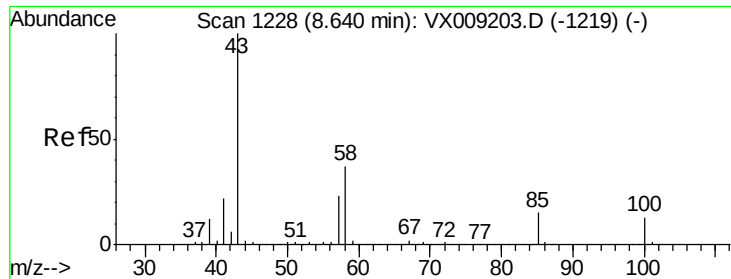
Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Tgt Ion:	98	Resp:	345366
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





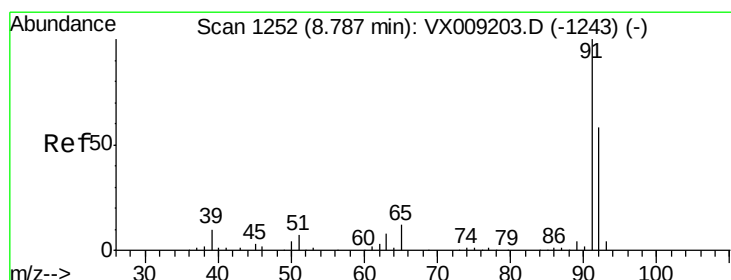
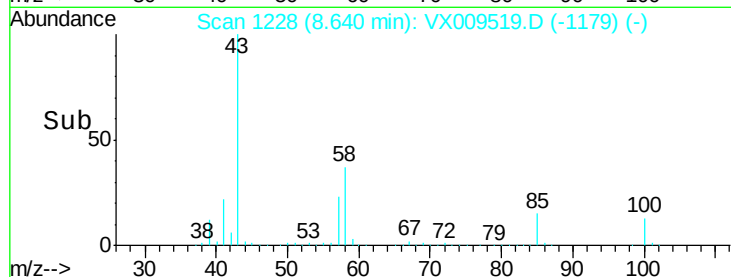
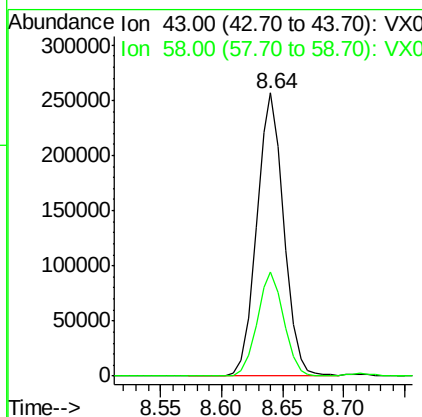
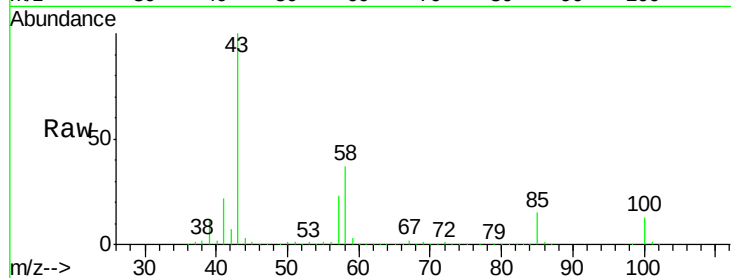
#51
4-Methyl-2-Pentanone
Concen: 114.737 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion: 43 Resp: 393438
Ion Ratio Lower Upper
43 100
58 36.5 29.5 44.3

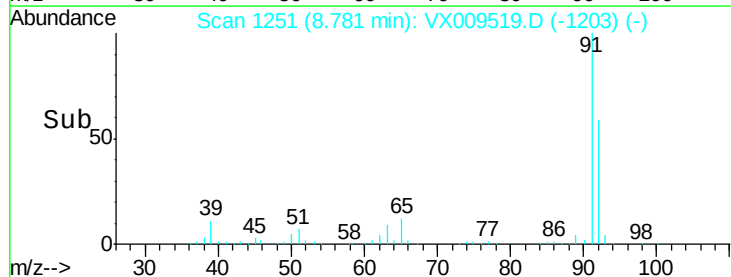
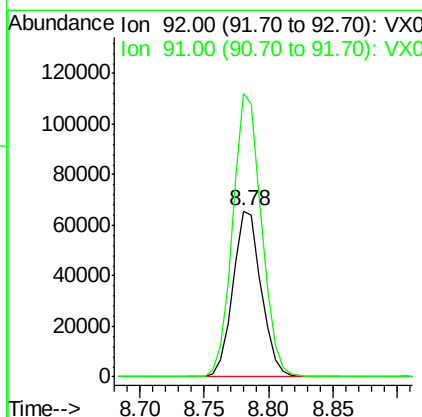
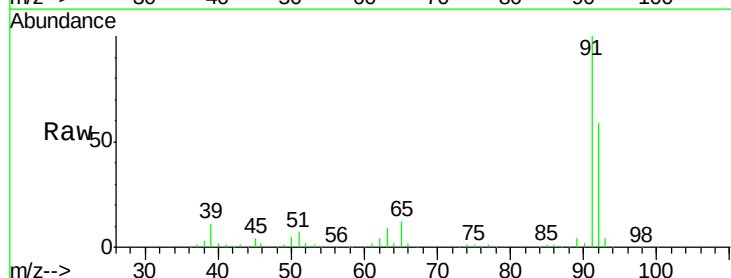
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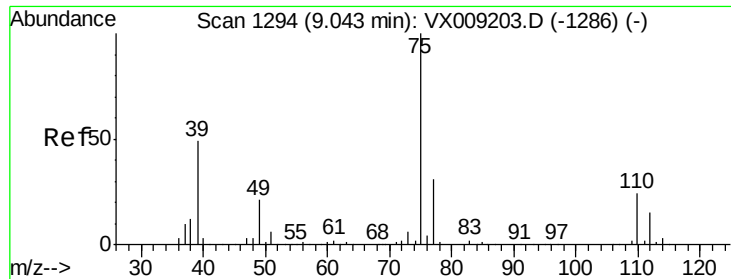
MMDadoda
5/16/2019 9:16:52 AM



#52
Toluene
Concen: 22.768 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 92 Resp: 100826
Ion Ratio Lower Upper
92 100
91 173.5 138.8 208.2





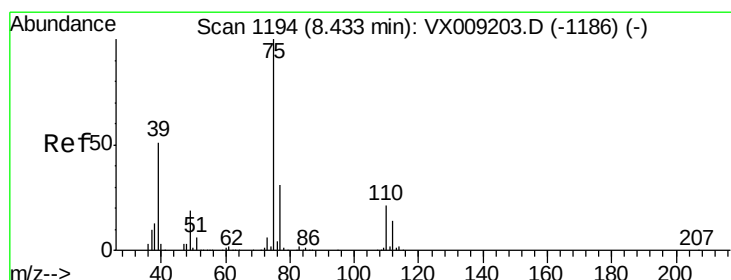
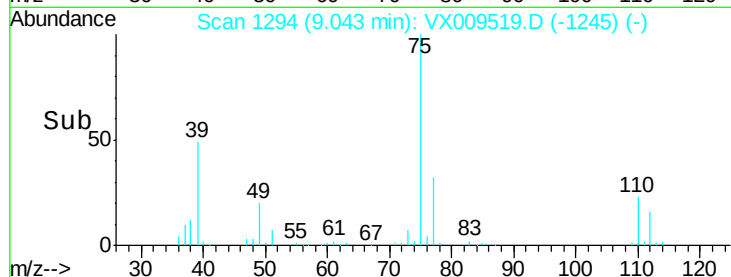
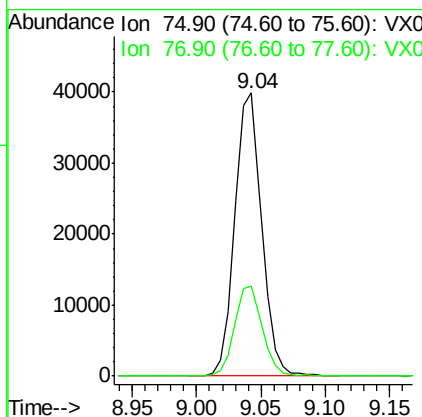
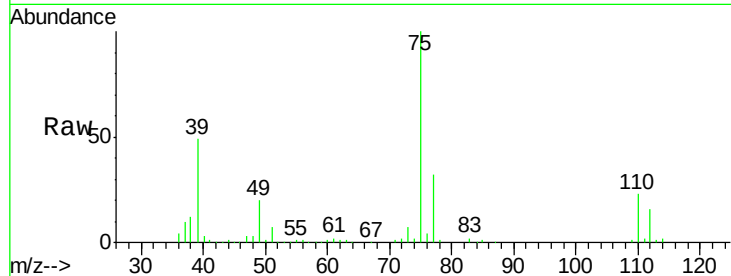
#53
t-1,3-Dichloropropene
Concen: 21.541 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion: 75 Resp: 58113
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.6

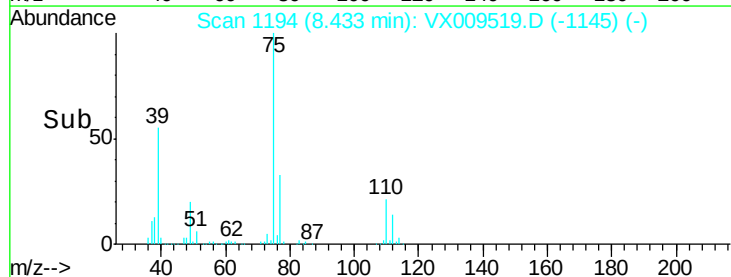
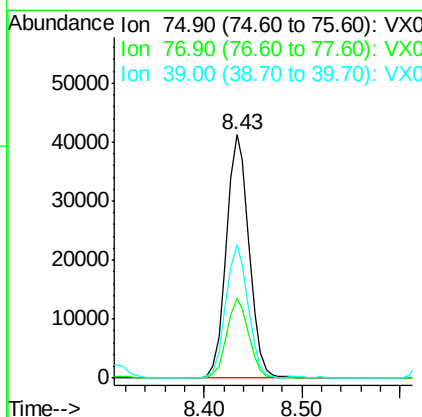
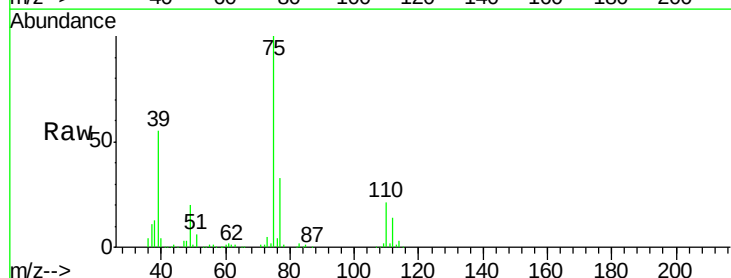
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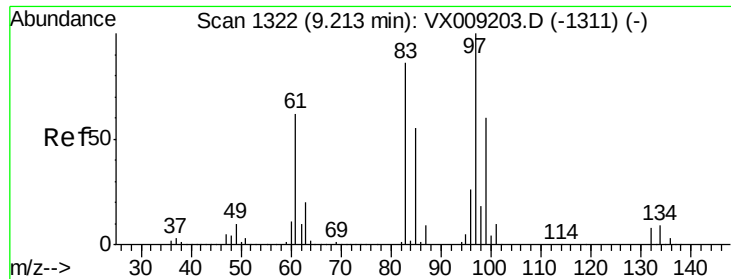
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#54
cis-1,3-Dichloropropene
Concen: 22.215 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 75 Resp: 66335
Ion Ratio Lower Upper
75 100
77 32.7 24.6 36.8
39 54.8 40.6 60.8





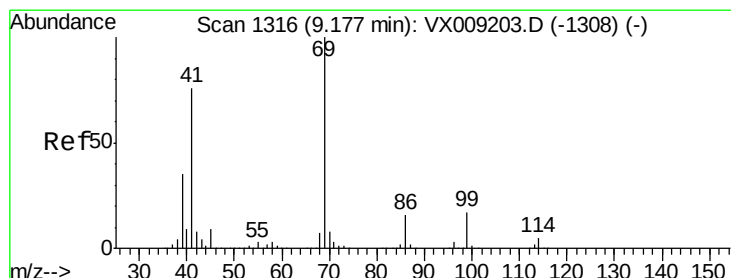
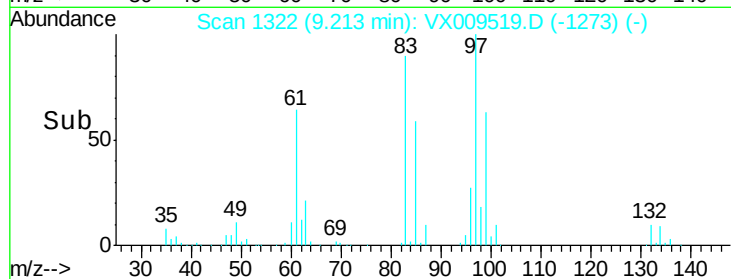
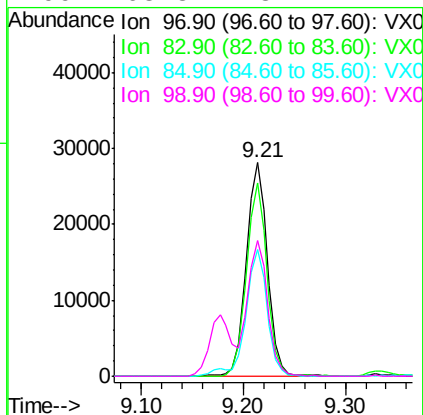
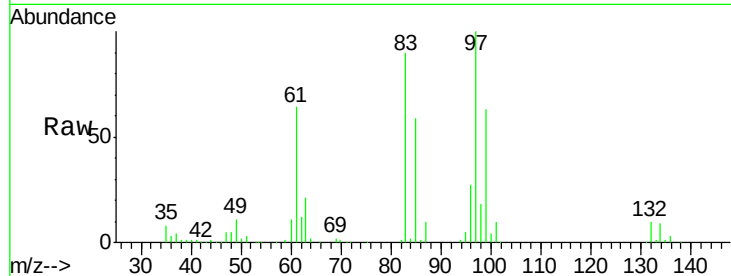
#55
 1,1,2-Trichloroethane
 Concen: 22.559 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		40757		
83	90.4	68.9	103.3		
85	59.4	43.8	65.6		
99	63.3	48.2	72.2		

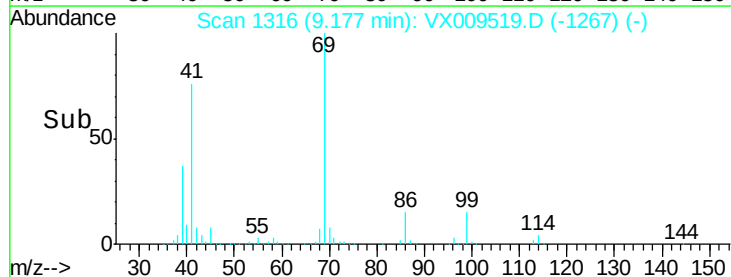
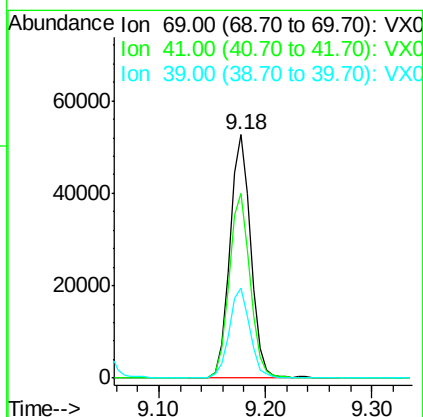
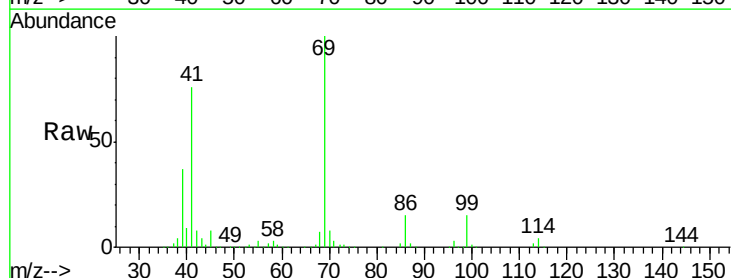
Manual Integrations
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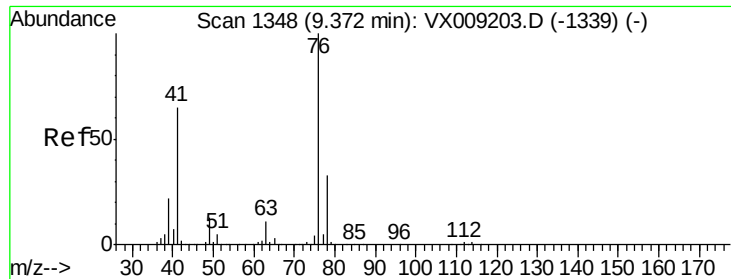
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#56
 Ethyl methacrylate
 Concen: 22.578 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		72814		
41	75.7	60.6	90.8		
39	36.9	28.2	42.4		





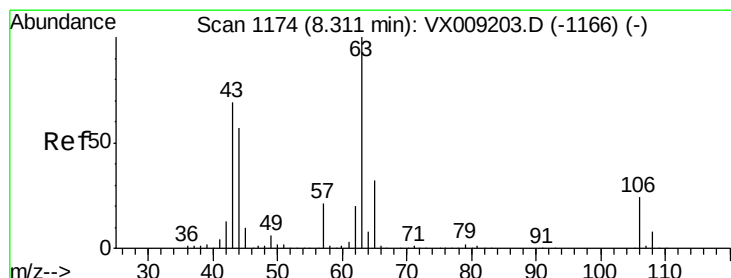
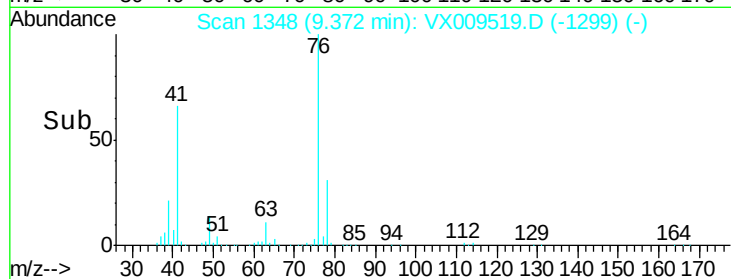
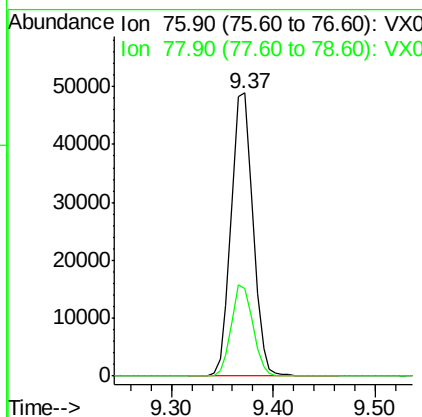
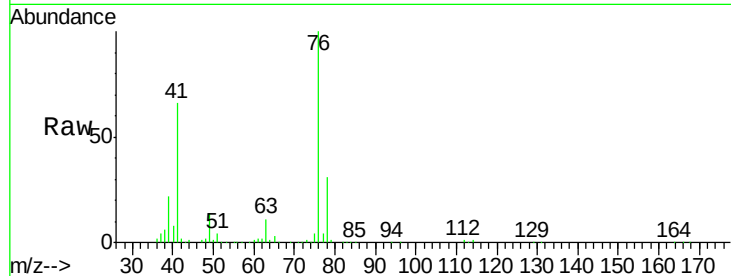
#57
 1,3-Dichloropropane
 Concen: 22.671 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tgt Ion: 76 Resp: 72078
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3

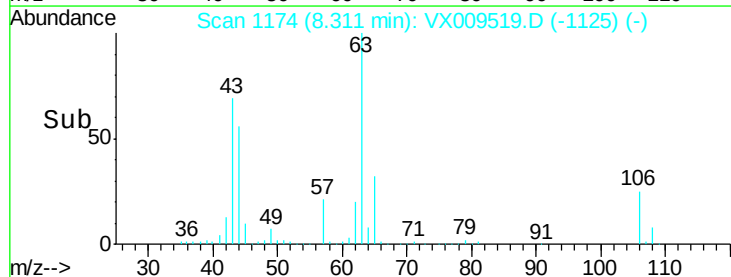
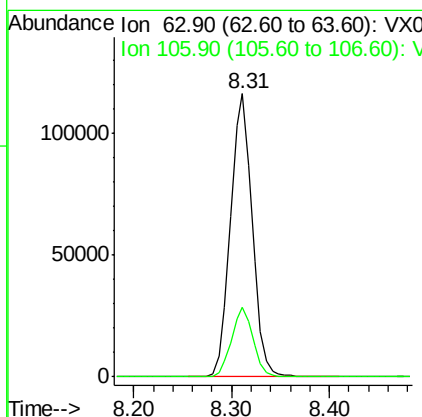
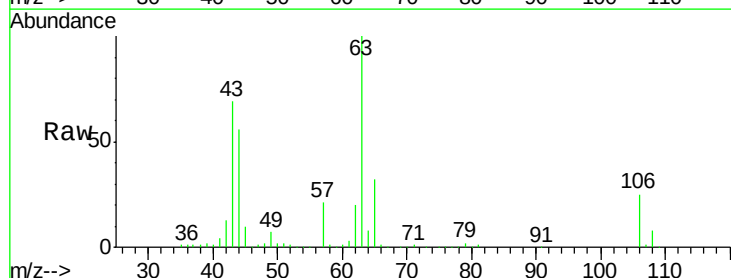
Manual Integrations
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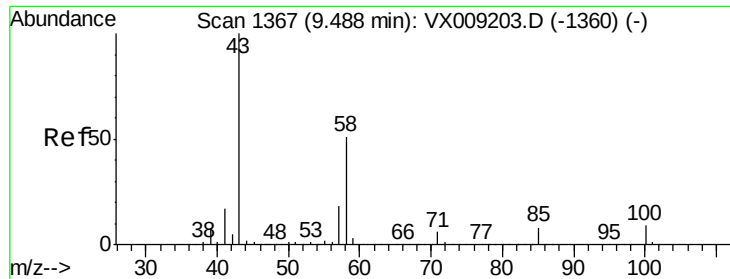
MMDadoda
 5/16/2019 9:16:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.920 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion: 63 Resp: 179506
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5





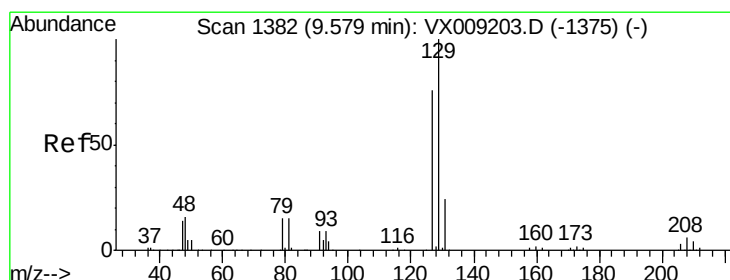
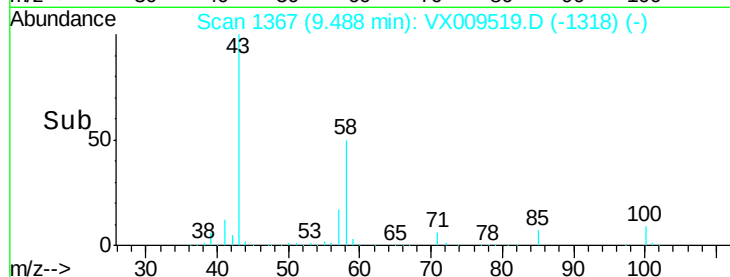
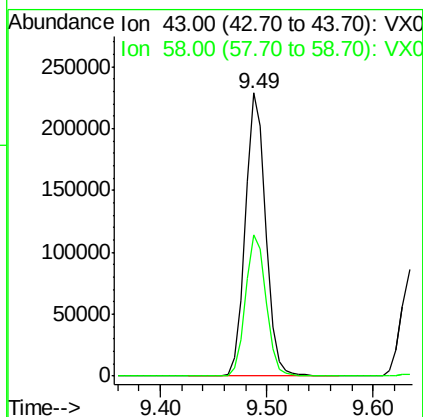
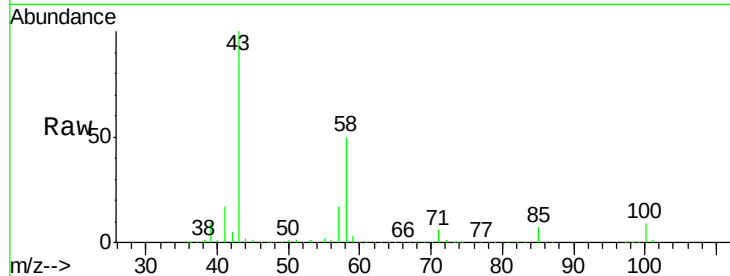
#59
2-Hexanone
Concen: 114.021 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion: 43 Resp: 307075
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.7

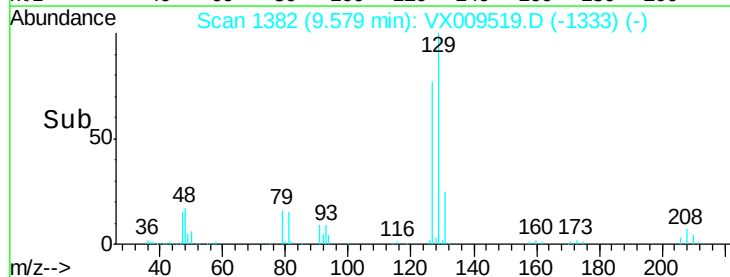
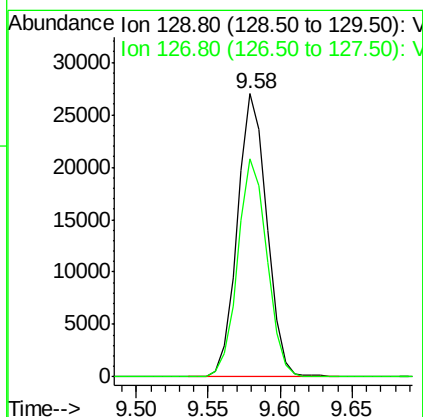
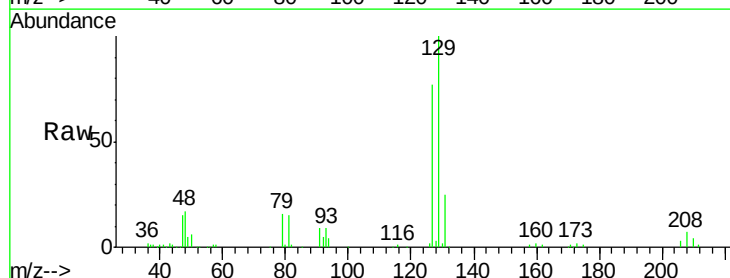
Manual Integrations
APPROVED

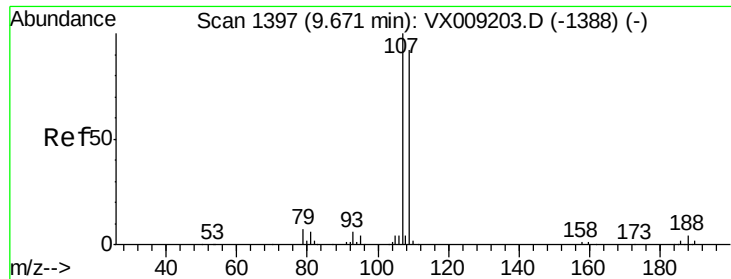
MMDadoda
5/16/2019 9:16:52 AM



#60
Dibromochloromethane
Concen: 21.748 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 129 Resp: 38376
Ion Ratio Lower Upper
129 100
127 76.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 22.555 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion: 107 Resp: 41134

Ion Ratio Lower Upper

107 100

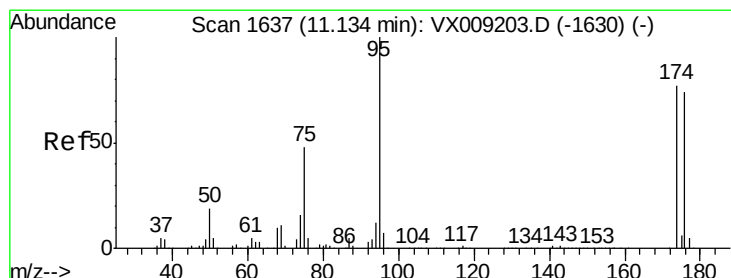
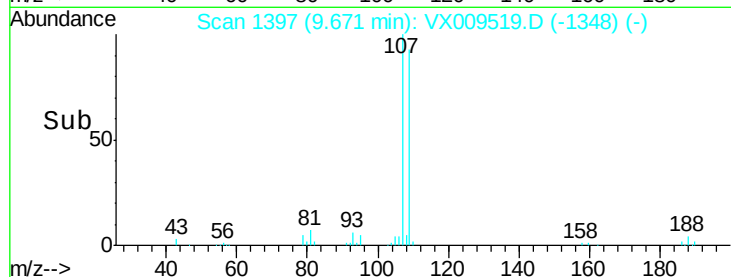
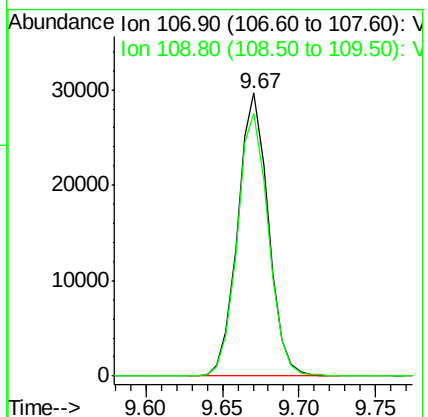
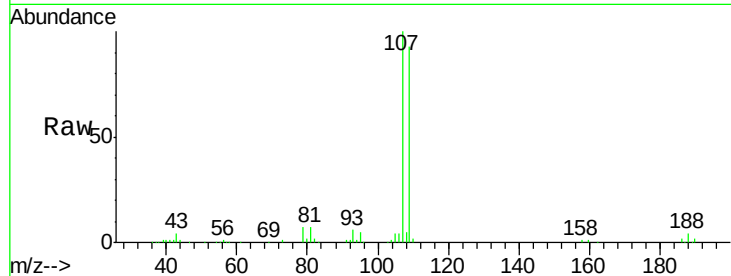
109 94.7 75.2 112.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 53.127 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

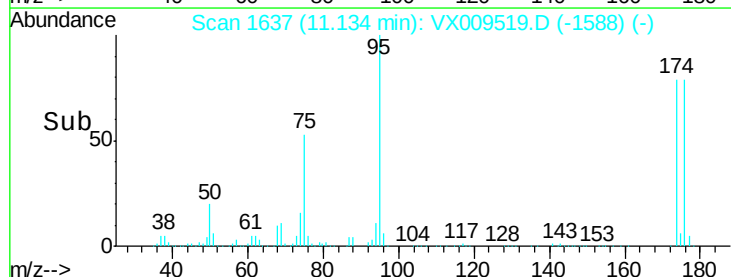
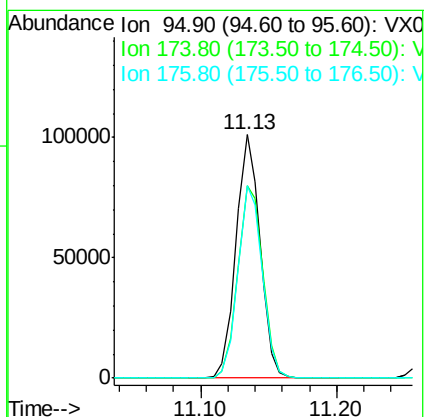
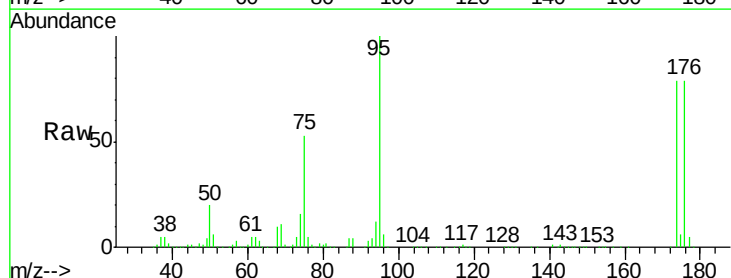
Tgt Ion: 95 Resp: 124105

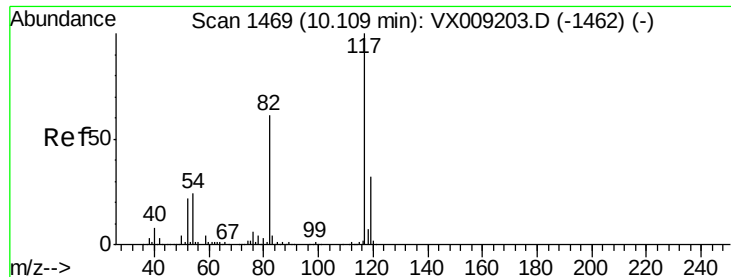
Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

176 80.1 0.0 159.2





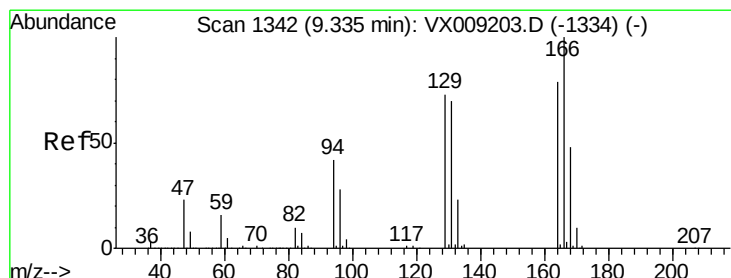
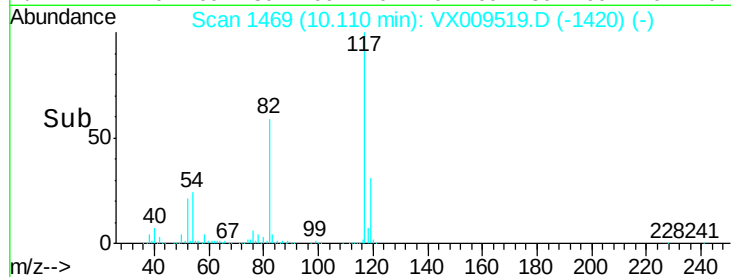
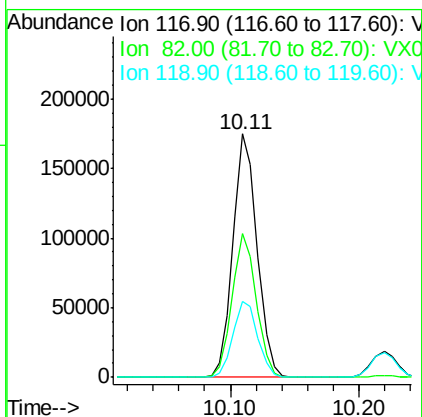
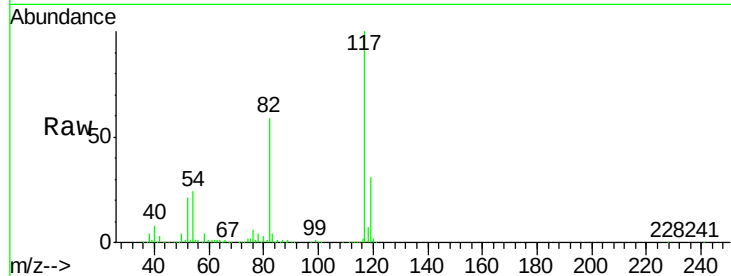
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	229654		
82	58.8	48.8	73.2	
119	31.4	25.8	38.6	

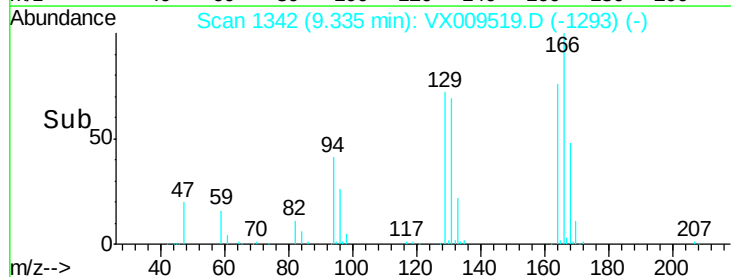
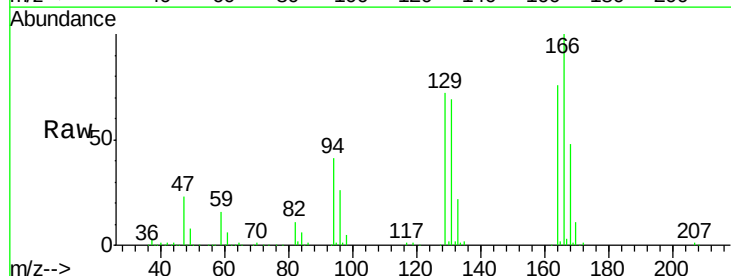
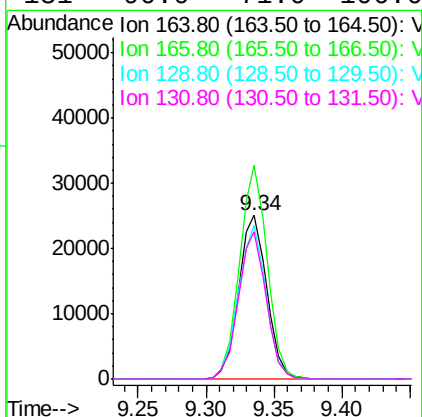
Manual Integrations
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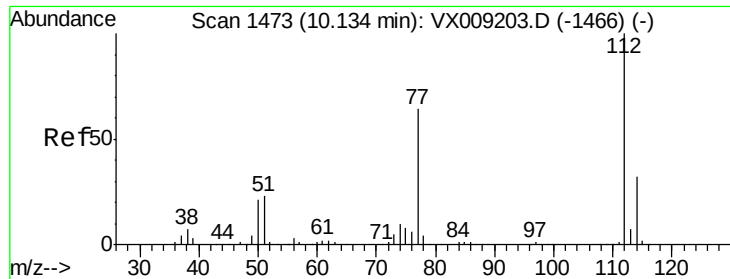
MMDadoda
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#64
Tetrachloroethene
Concen: 22.927 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36117		
166	130.7	101.2	151.8	
129	93.8	74.3	111.5	
131	90.0	71.0	106.6	





#65

Chlorobenzene

Concen: 22.683 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion:112 Resp: 104210

Ion Ratio Lower Upper

112 100

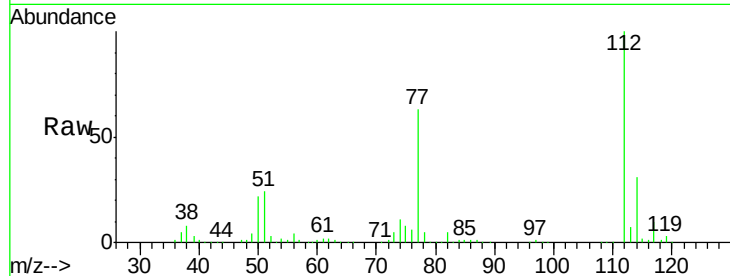
114 30.8 25.5 38.3

Manual Integrations

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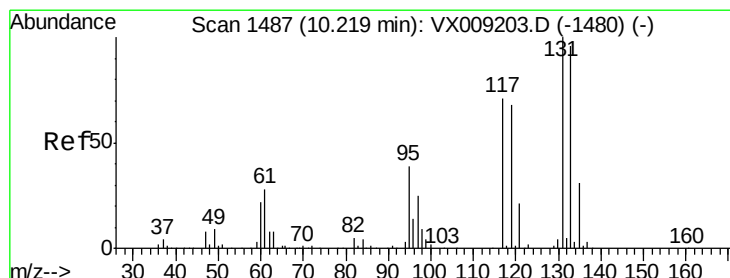
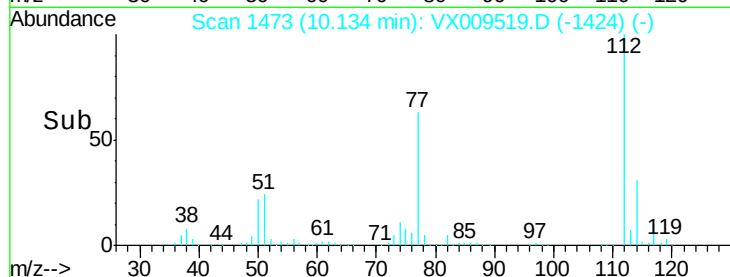
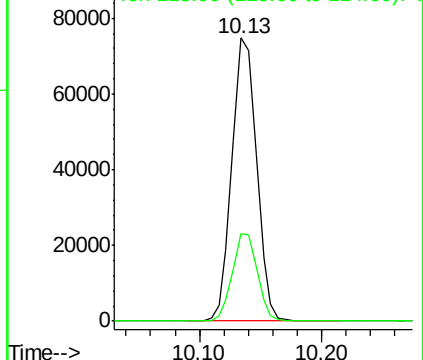
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.344 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

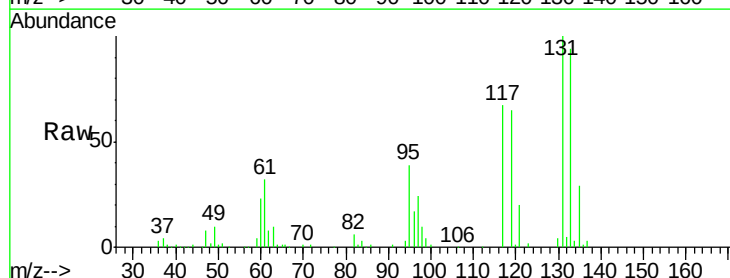
Tgt Ion:131 Resp: 37216

Ion Ratio Lower Upper

131 100

133 94.2 47.7 143.1

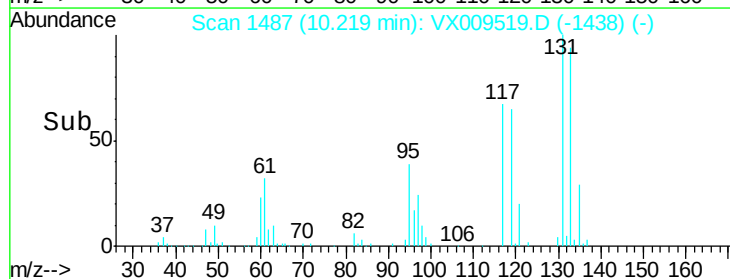
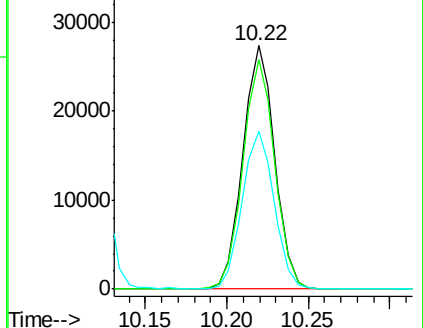
119 65.4 33.5 100.4

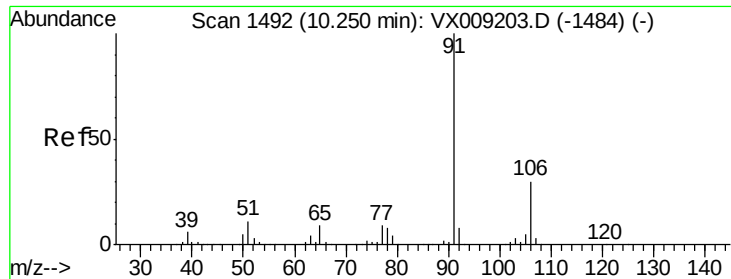


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.442 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion: 91 Resp: 189743

Ion Ratio Lower Upper

91 100

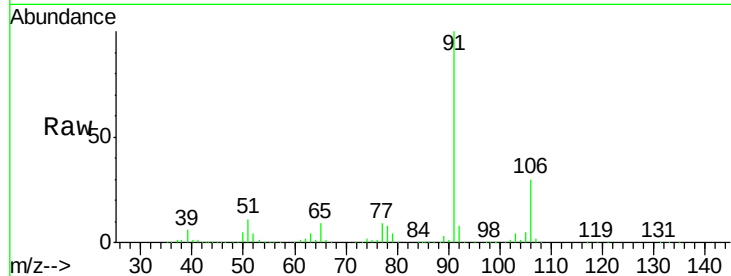
106 29.6 24.0 36.0

Manual Integrations

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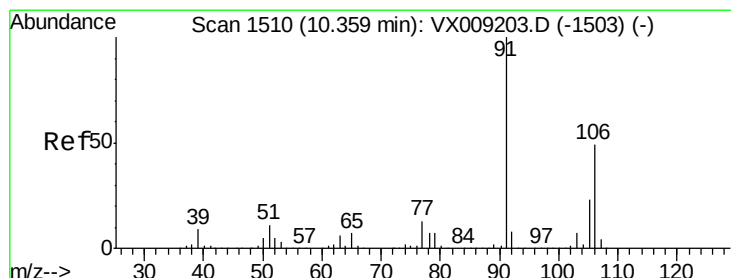
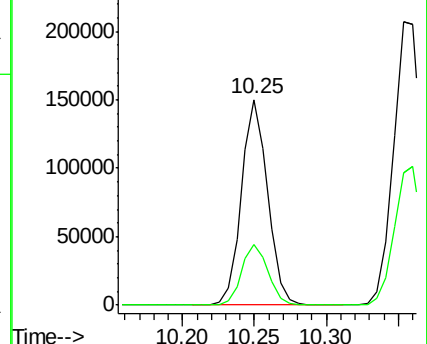
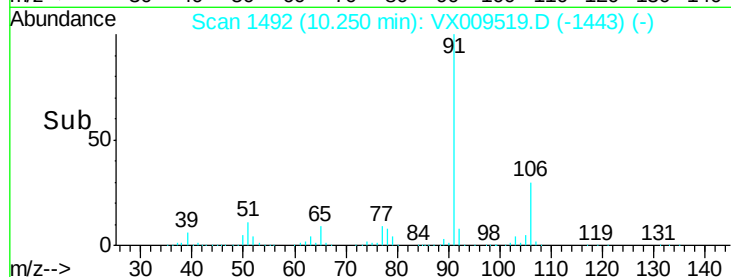
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.299 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009519.D

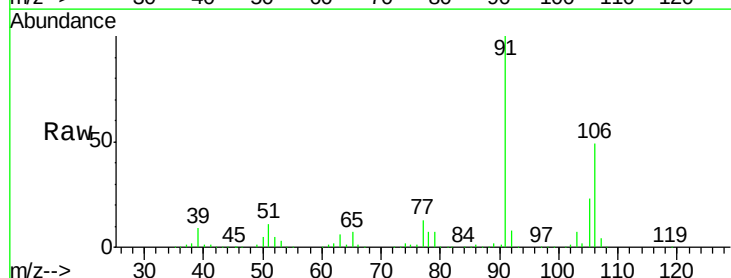
Acq: 11 May 2019 12:47

Tgt Ion: 106 Resp: 139959

Ion Ratio Lower Upper

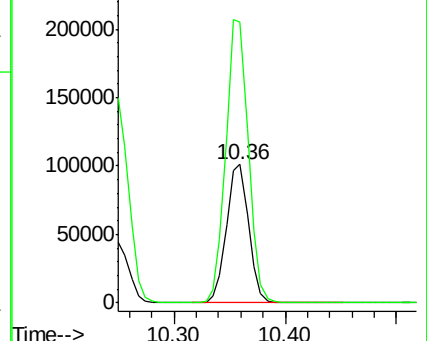
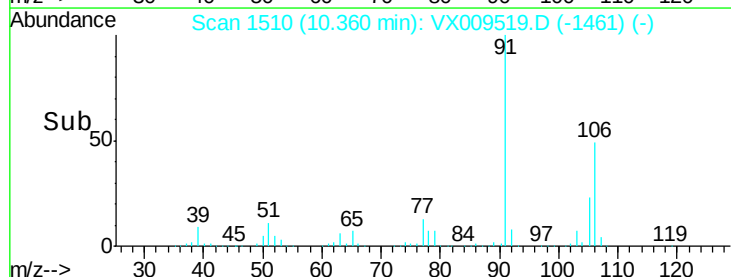
106 100

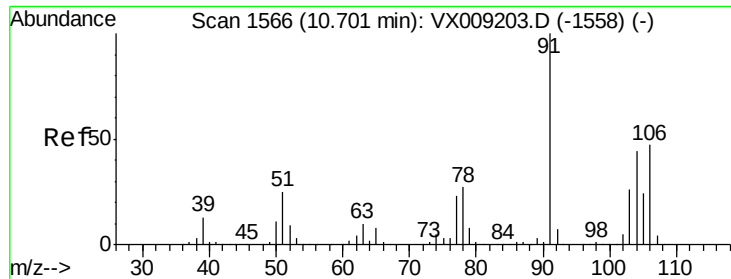
91 207.4 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





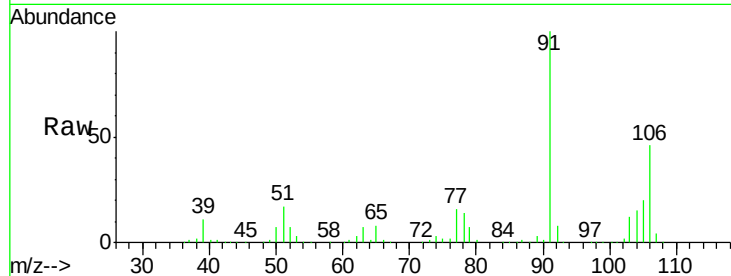
#69
o-Xylene
Concen: 22.554 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

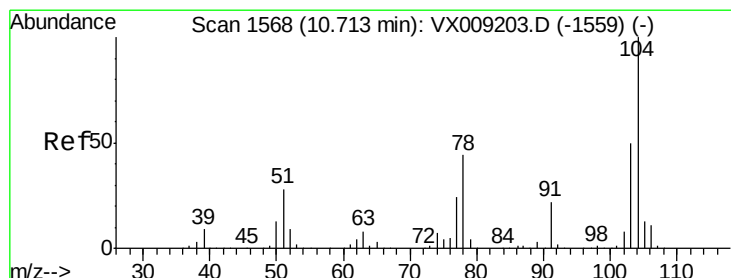
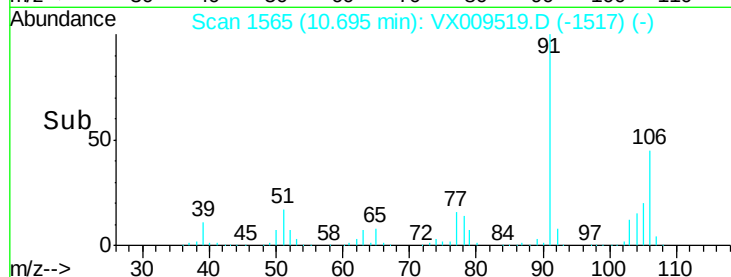
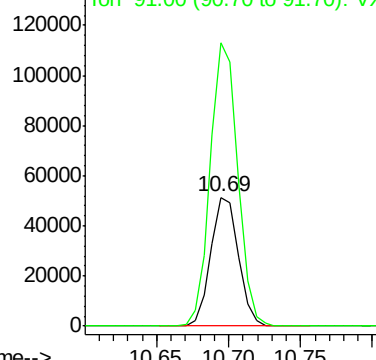
Tgt Ion:106 Resp: 68754
Ion Ratio Lower Upper
106 100
91 218.4 109.5 328.4

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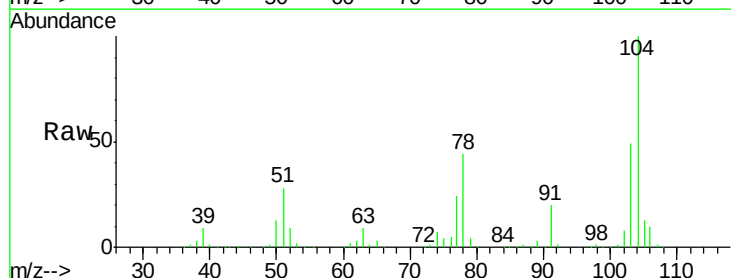


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

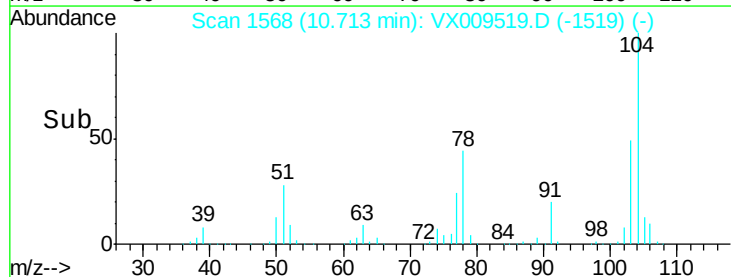
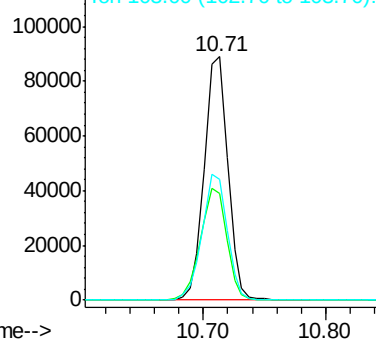


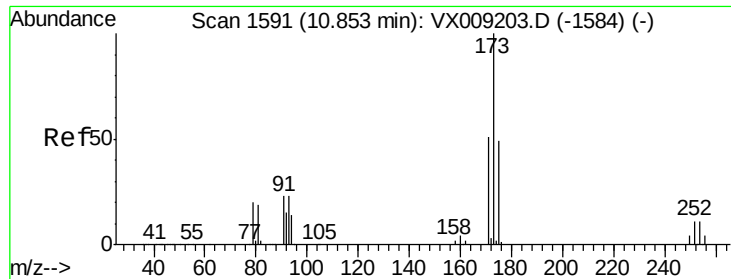
#70
Styrene
Concen: 22.289 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion:104 Resp: 118099
Ion Ratio Lower Upper
104 100
78 51.6 41.0 61.4
103 55.6 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.920 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion:173 Resp: 28316

Ion Ratio Lower Upper

173 100

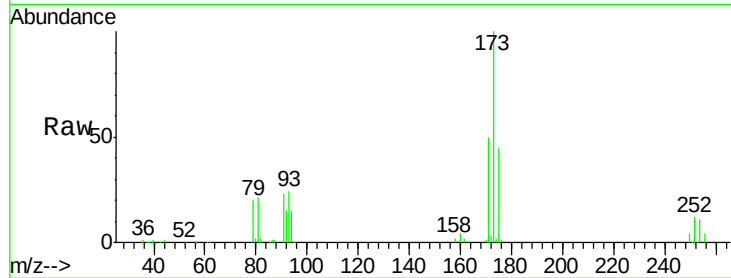
175 47.8 24.5 73.5

254 0.1 0.1 0.1

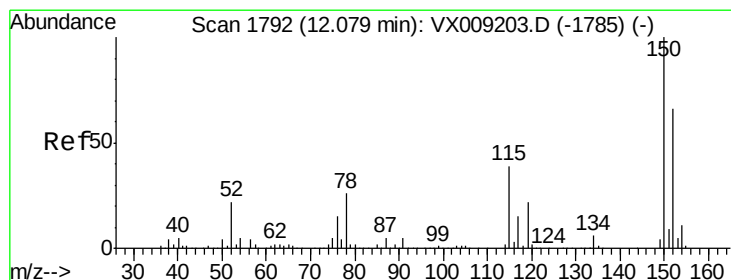
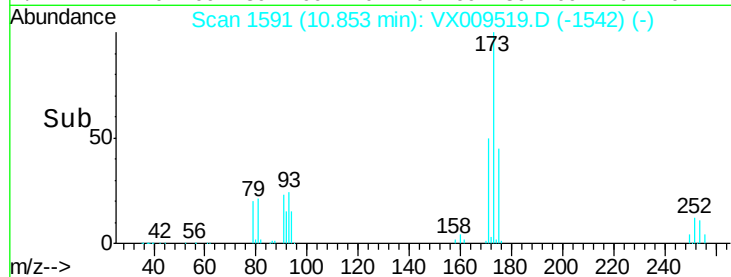
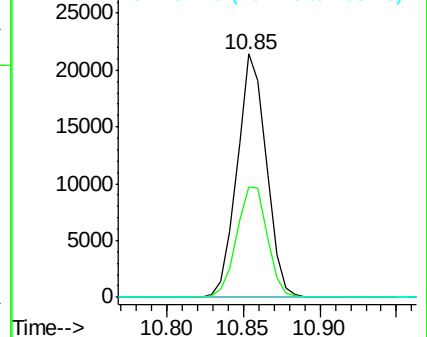
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

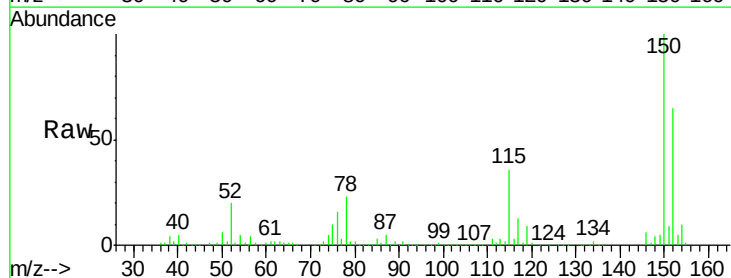
Tgt Ion:152 Resp: 112332

Ion Ratio Lower Upper

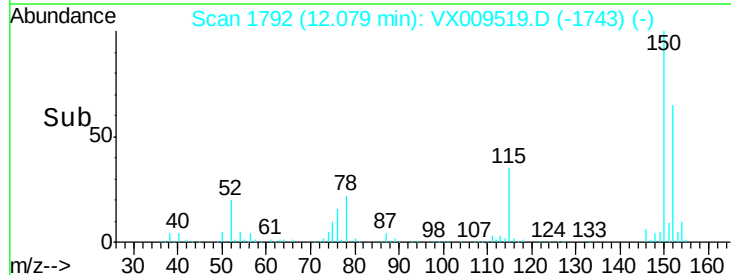
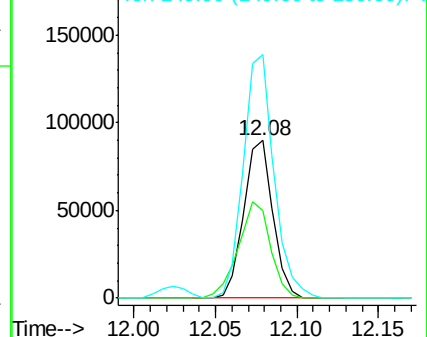
152 100

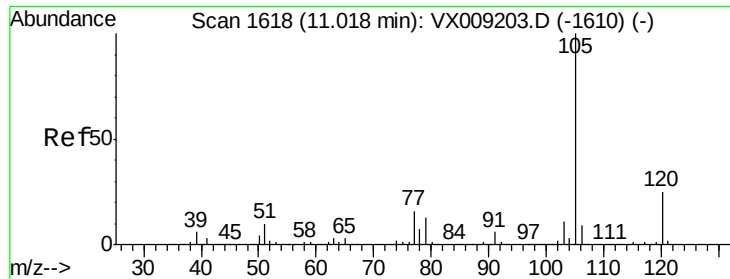
115 67.4 41.2 123.6

150 162.2 0.0 346.4



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





#73

Isopropylbenzene

Concen: 22.363 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion: 105 Resp: 182672

Ion Ratio Lower Upper

105 100

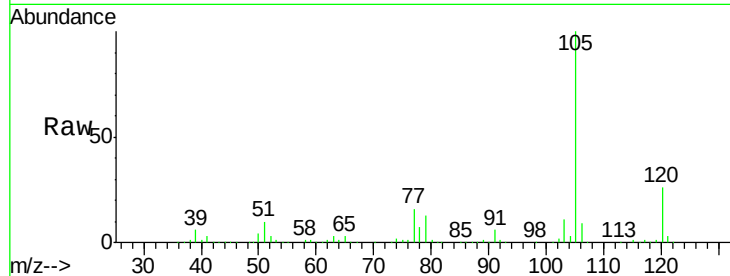
120 25.8 12.8 38.3

Manual Integrations

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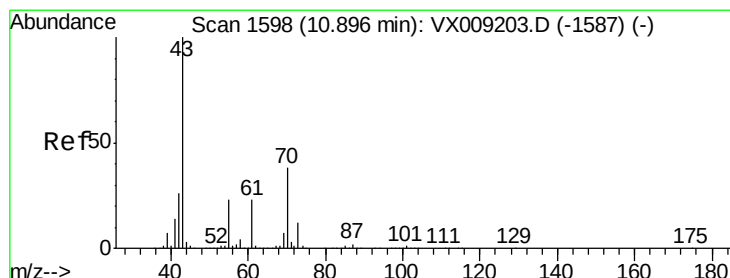
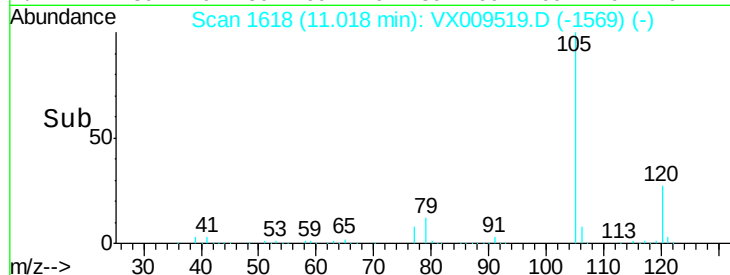
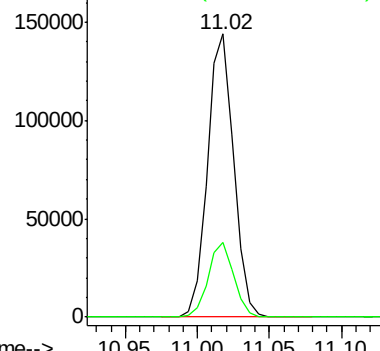
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.214 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Tgt Ion: 43 Resp: 105794

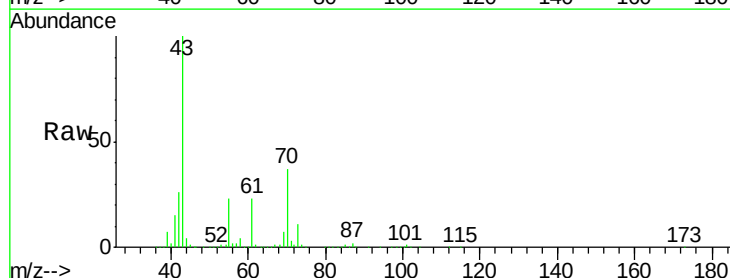
Ion Ratio Lower Upper

43 100

70 36.9 30.0 45.0

55 22.9 17.9 26.9

61 22.7 18.4 27.6

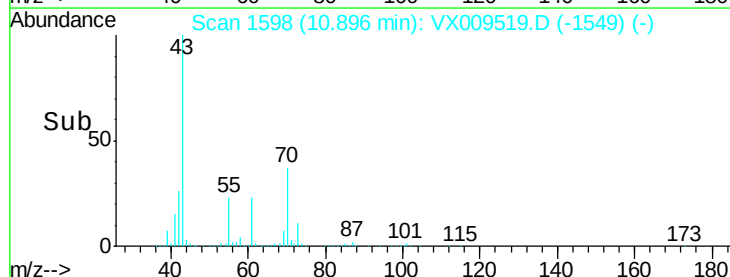
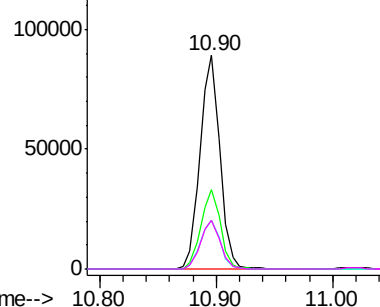


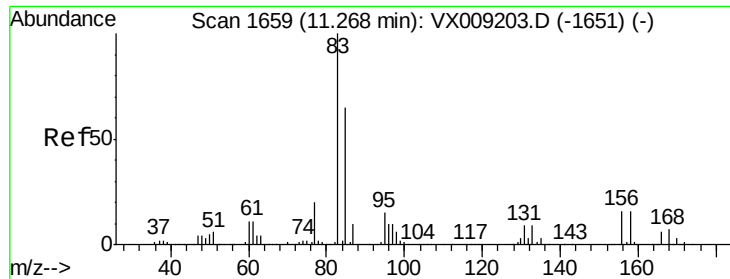
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.050 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

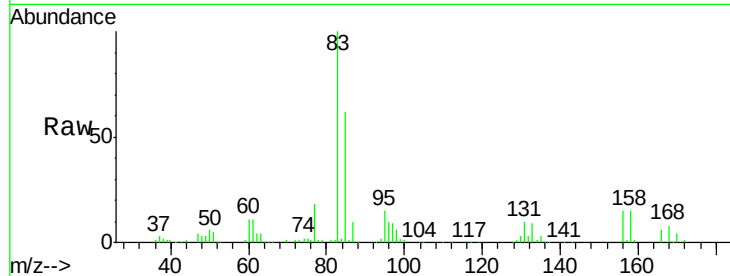
ClientSampleId :

VX0511MBS01

Tgt Ion:	83	Resp:	67147
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	63.1	32.0	96.2

Manual Integrations
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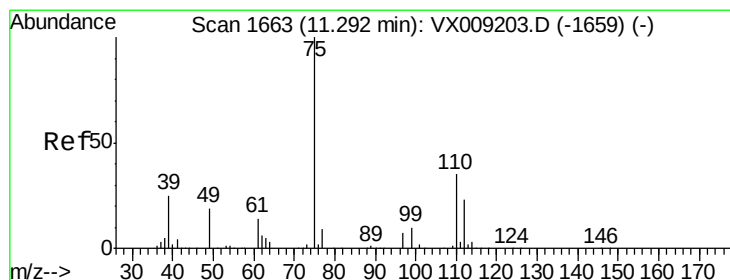
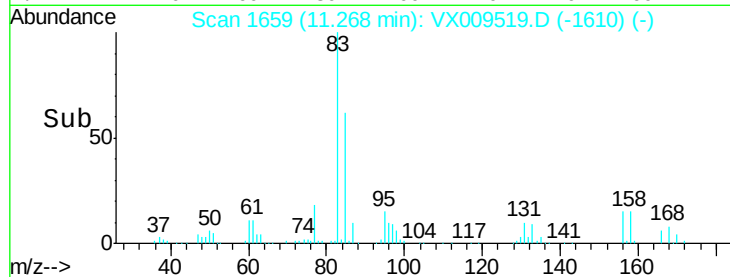
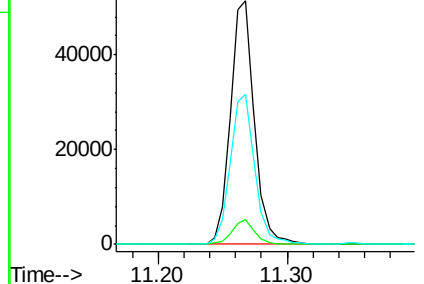
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.453 ug/l m

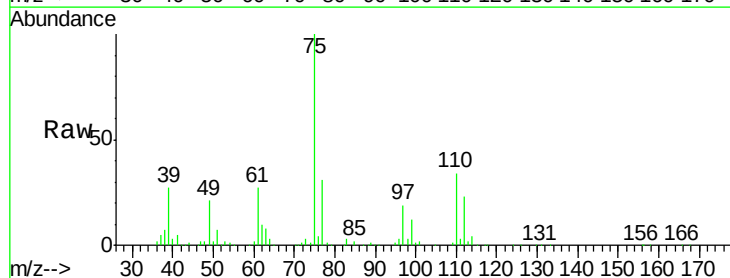
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009519.D

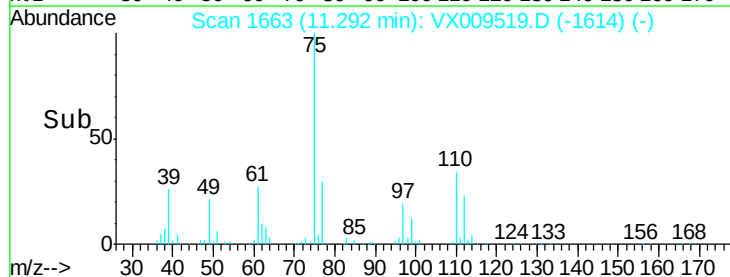
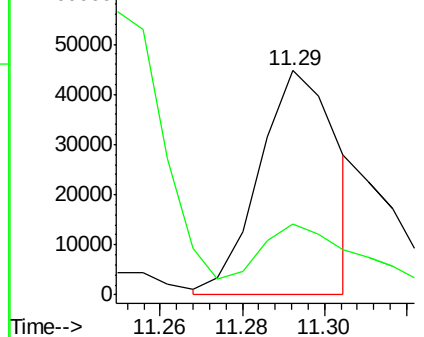
Acq: 11 May 2019 12:47

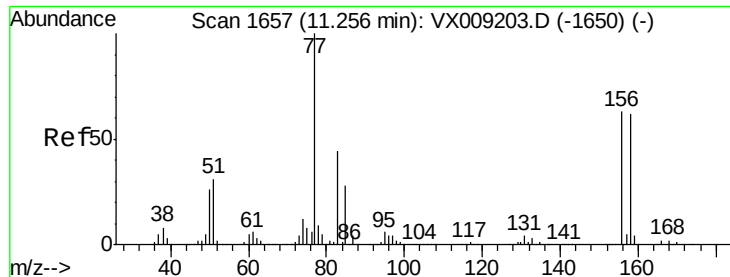
Tgt Ion:	75	Resp:	58505
Ion Ratio	Lower	Upper	
75	100		
77	42.5	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 22.192 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

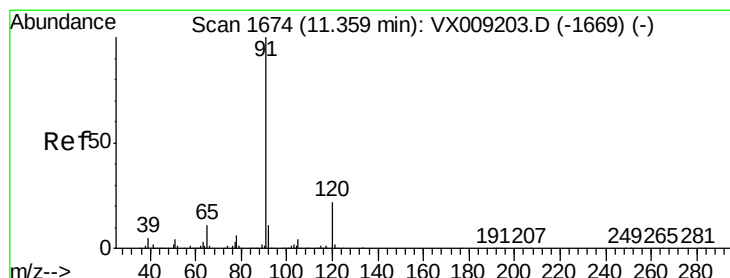
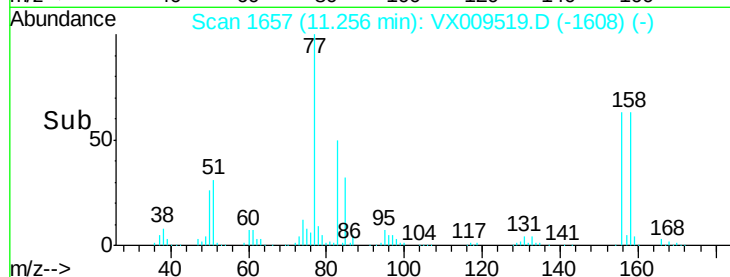
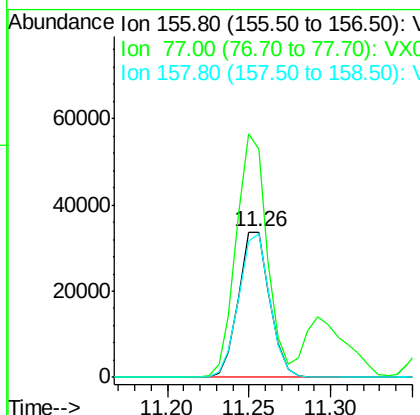
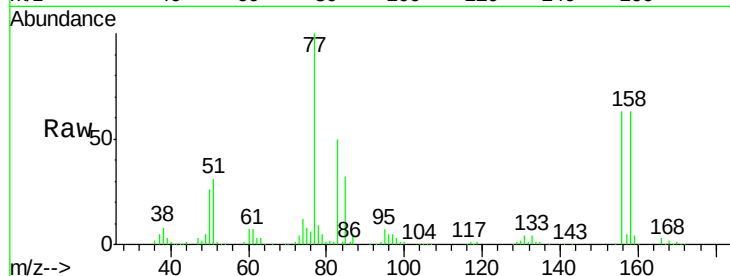
ClientSampleId :

VX0511MBS01

Tgt Ion:	156	Resp:	44995
Ion Ratio	Lower	Upper	
156	100		
77	166.1	84.8	254.3
158	98.3	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 22.298 ug/l

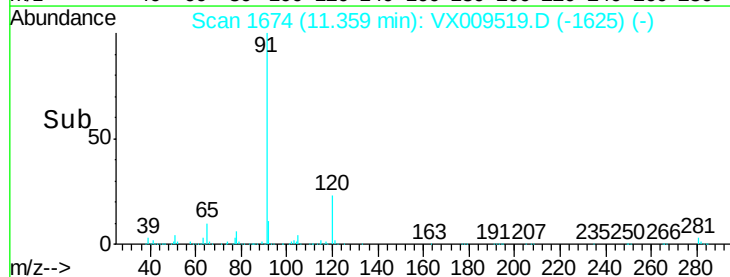
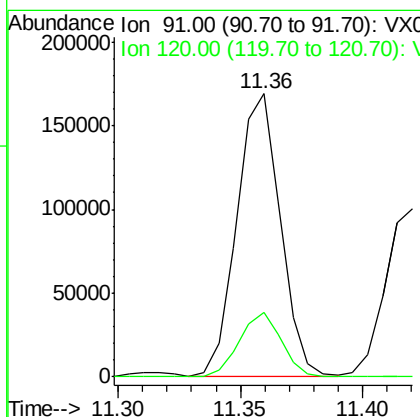
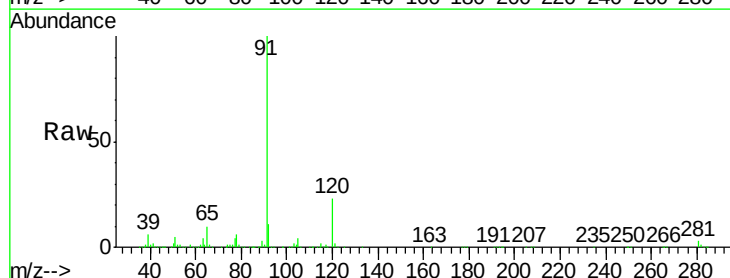
RT: 11.36 min Scan# 1674

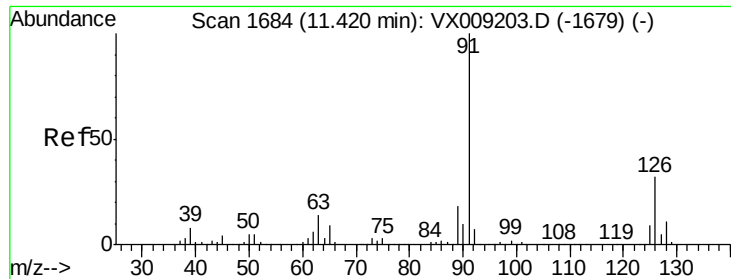
Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Tgt Ion:	91	Resp:	208018
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.0	33.0





#79

2-Chlorotoluene

Concen: 21.944 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion: 91 Resp: 126301

Ion Ratio Lower Upper

91 100

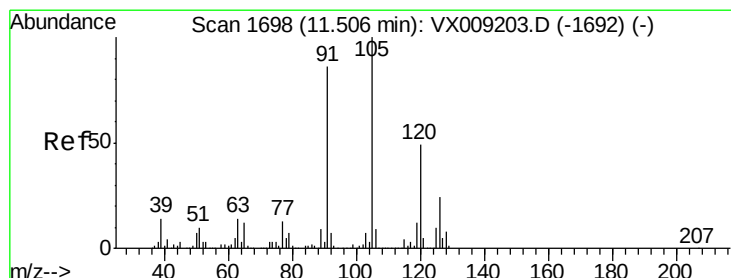
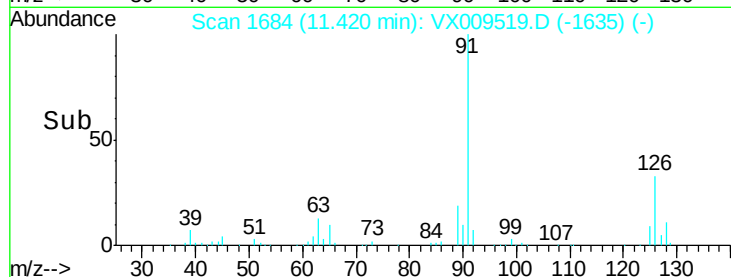
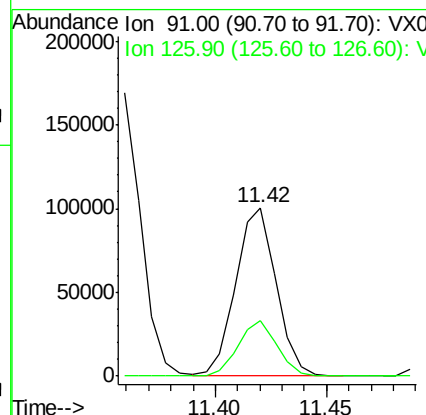
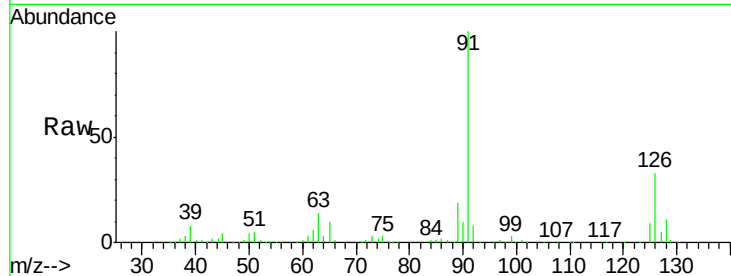
126 32.1 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 22.599 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009519.D

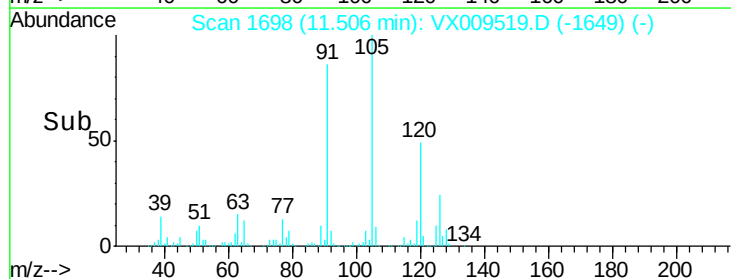
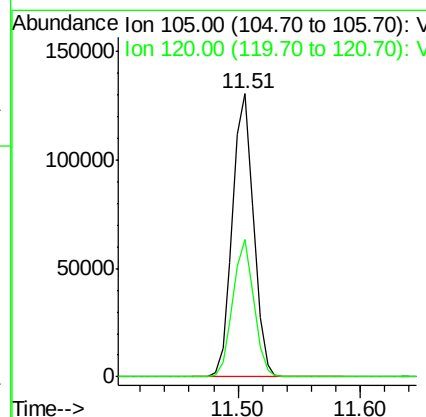
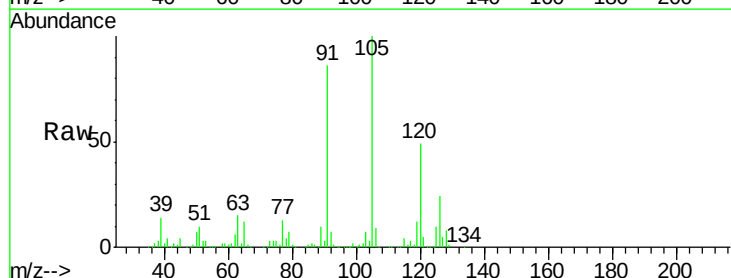
Acq: 11 May 2019 12:47

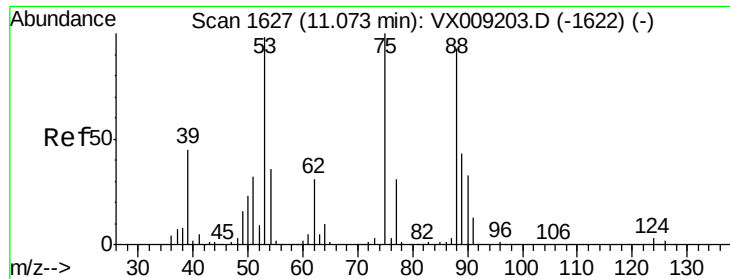
Tgt Ion: 105 Resp: 155437

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 20.667 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tgt Ion: 75 Resp: 21047
Ion Ratio Lower Upper

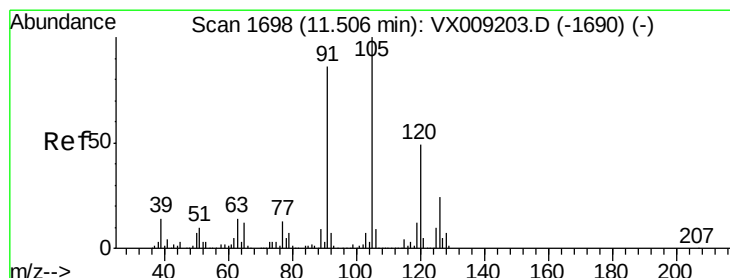
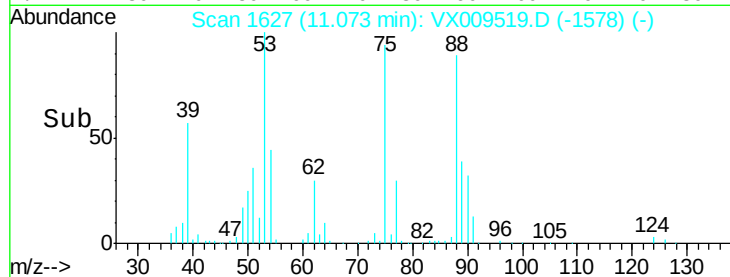
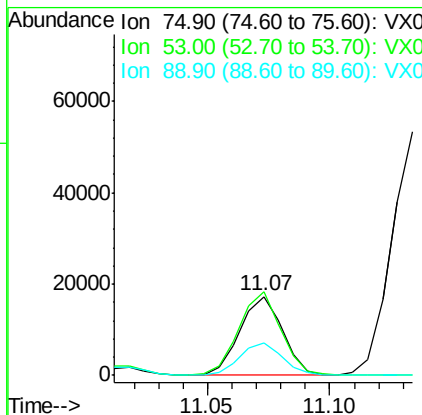
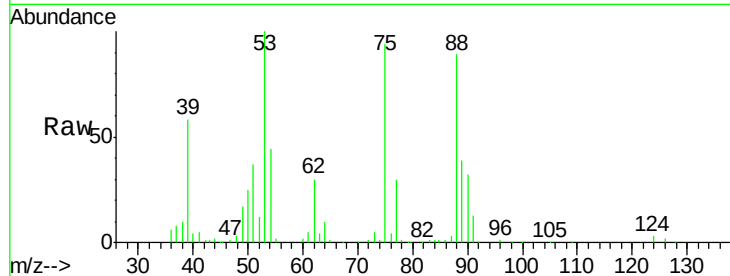
75 100

53 106.5 79.0 118.6

89 42.2 34.7 52.1

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#82

4-Chlorotoluene

Concen: 21.970 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

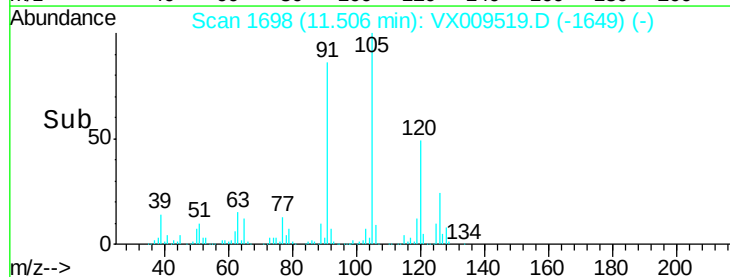
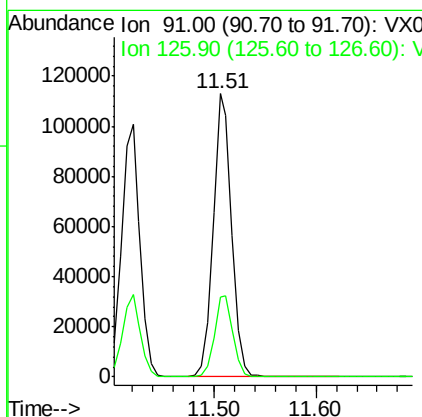
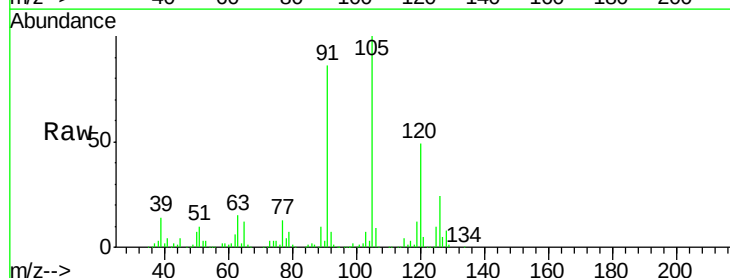
Lab File: VX009519.D

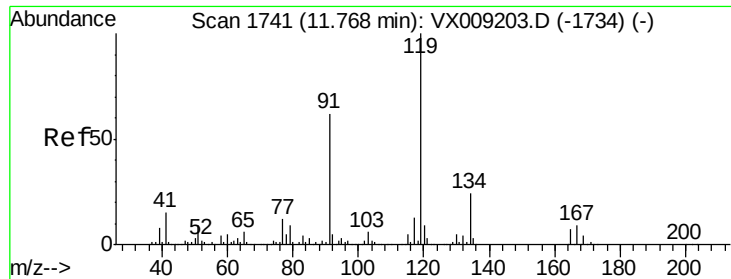
Acq: 11 May 2019 12:47

Tgt Ion: 91 Resp: 142848
Ion Ratio Lower Upper

91 100

126 28.9 14.5 43.6





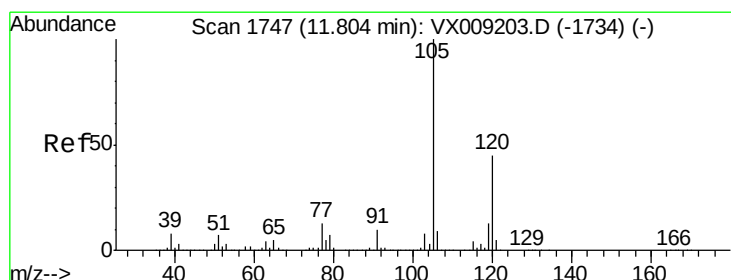
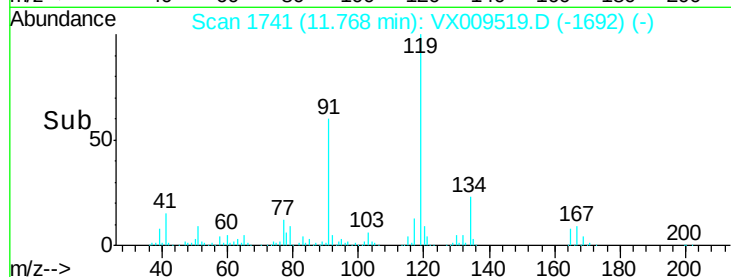
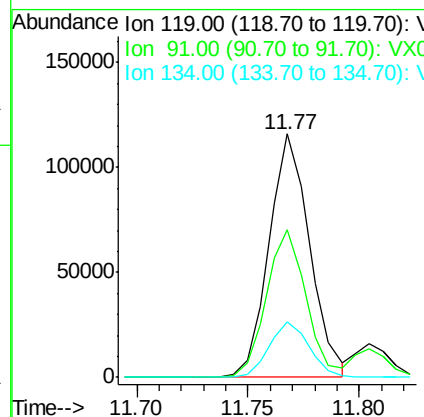
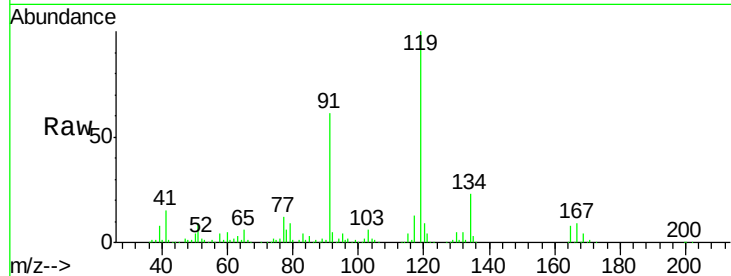
#83
 tert-Butylbenzene
 Concen: 21.988 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	147118		
91	59.1	29.5	88.5	
134	22.6	11.4	34.1	

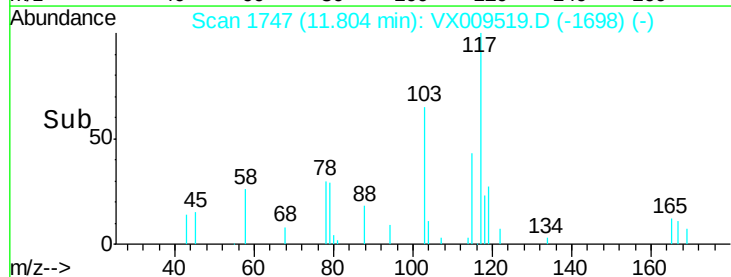
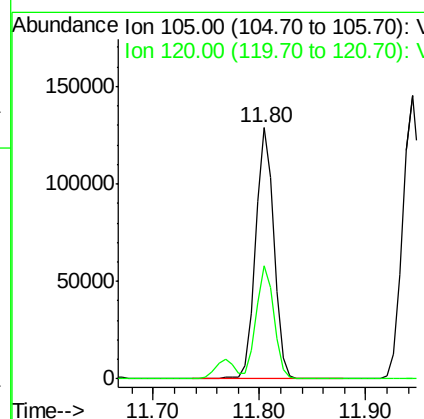
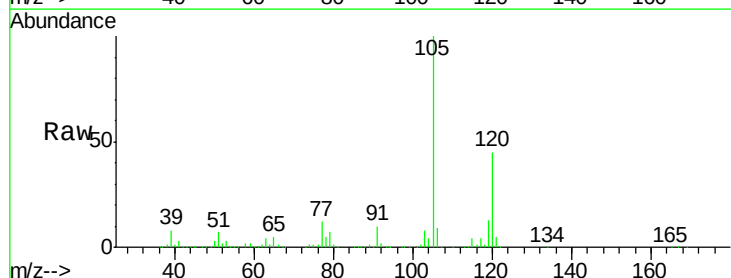
Manual Integrations
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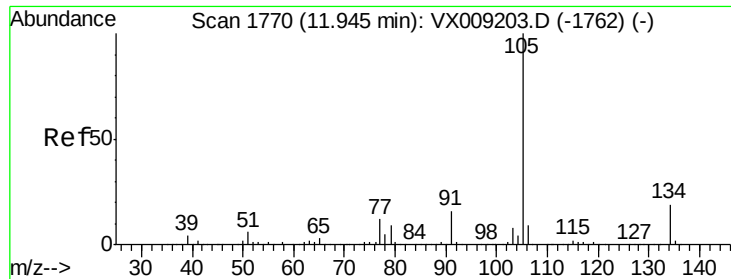
MMDadoda
 5/16/2019 9:16:52 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.546 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	155651		
120	43.6	22.0	66.0	





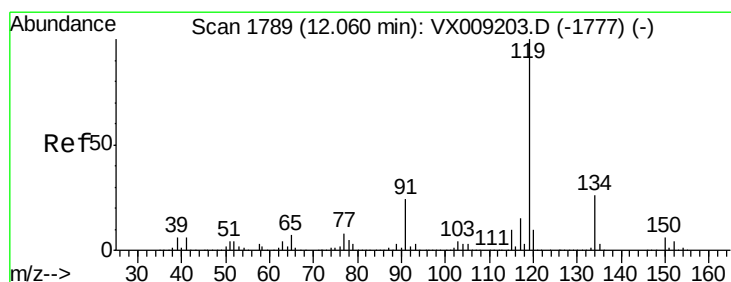
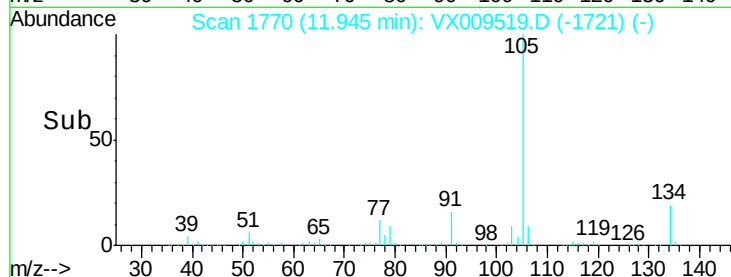
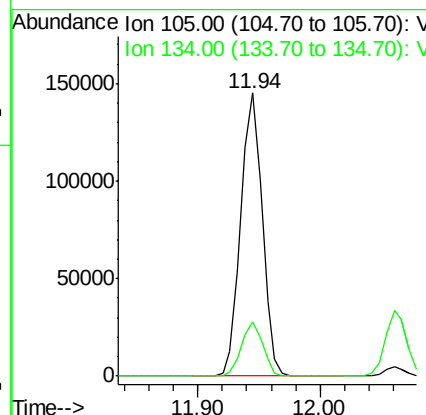
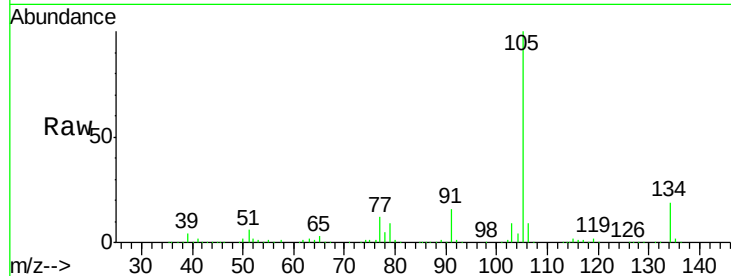
#85
 sec-Butylbenzene
 Concen: 22.158 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tgt Ion:105 Resp: 175769
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.7 28.9

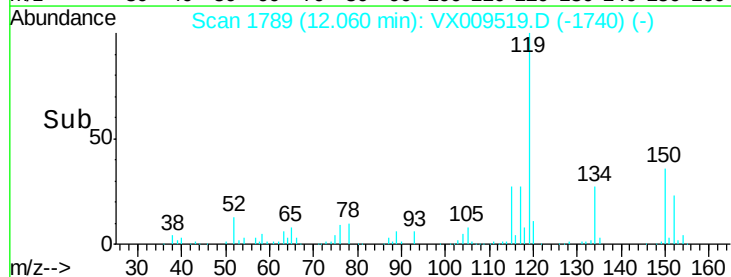
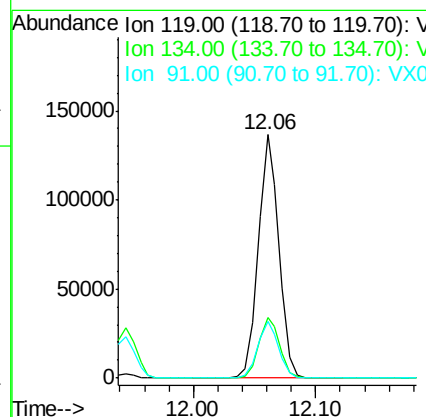
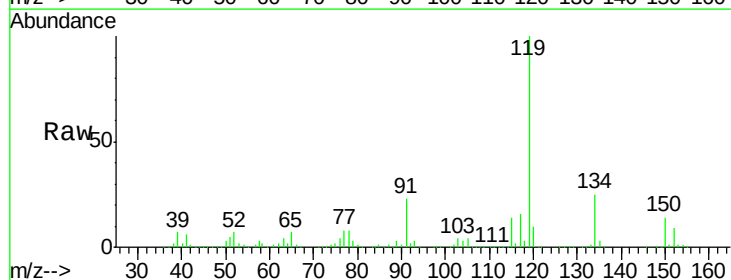
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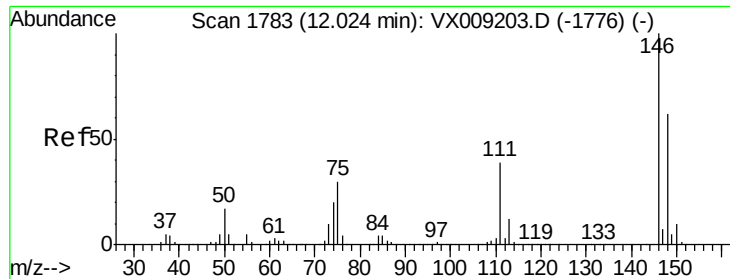
MMDadoda
 5/16/2019 9:16:52 AM



#86
 p-Isopropyltoluene
 Concen: 22.497 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion:119 Resp: 160431
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.9 38.7
 91 23.8 11.8 35.4





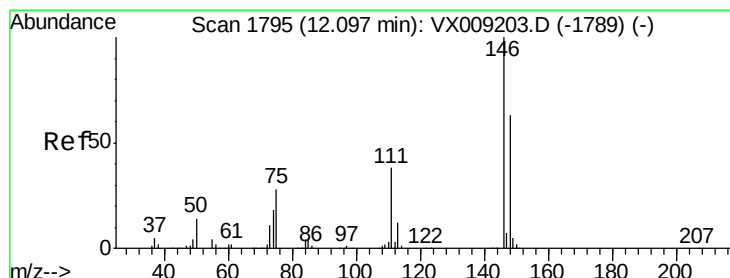
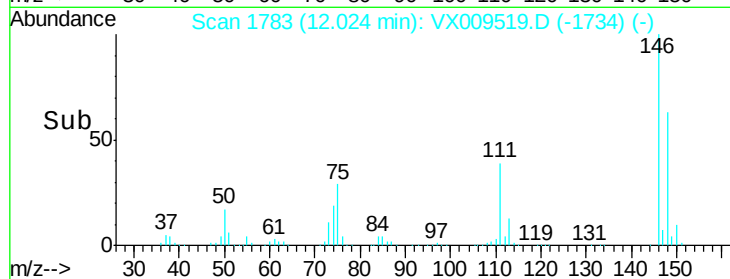
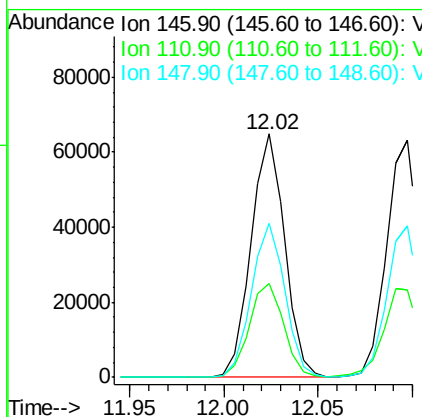
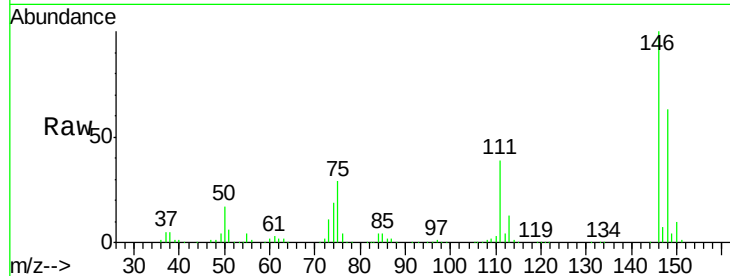
#87
 1,3-Dichlorobenzene
 Concen: 22.160 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	63.2	31.8	95.3

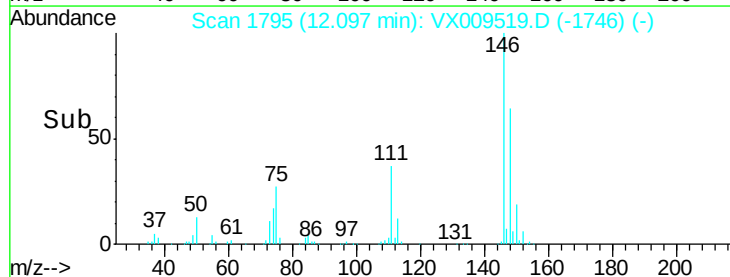
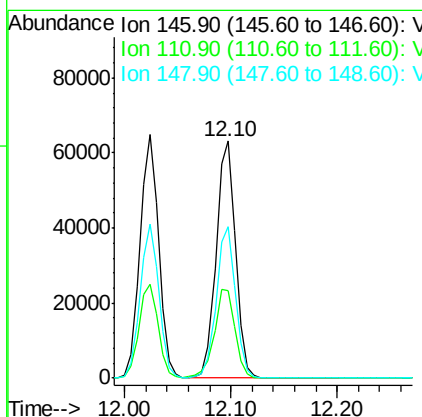
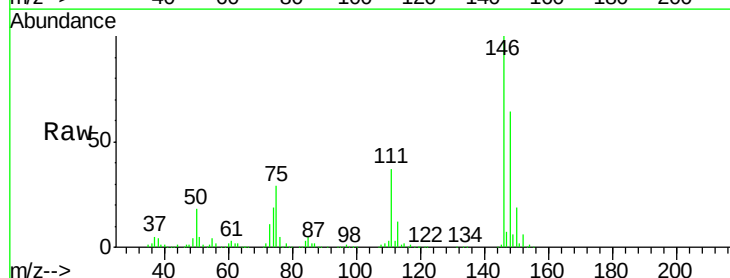
Manual Integrations
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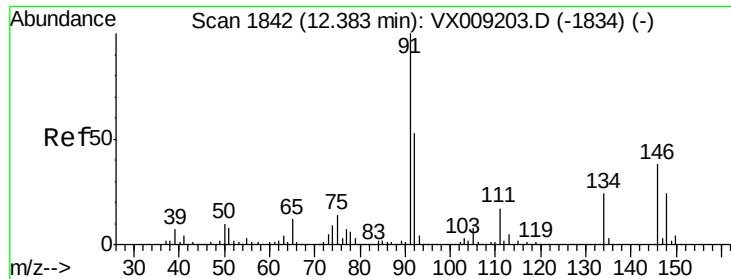
MMDadoda
 5/16/2019 9:16:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.781 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.8
148	63.6	31.8	95.3





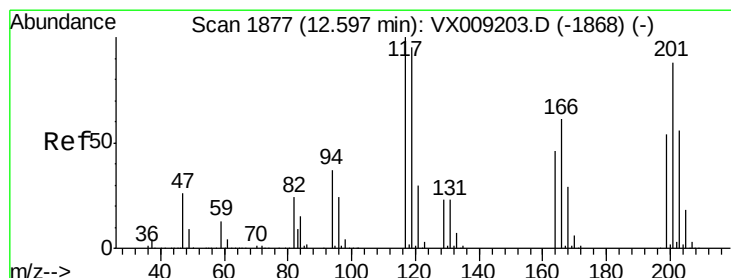
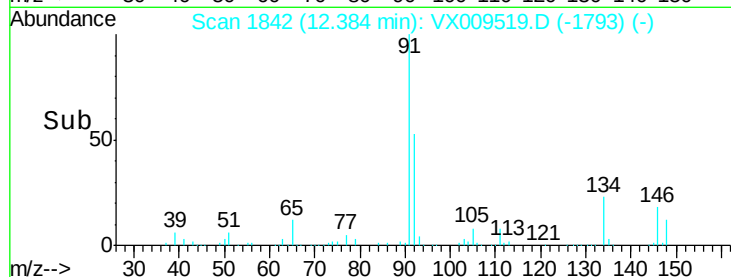
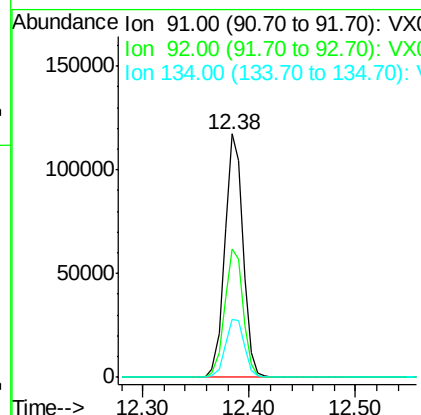
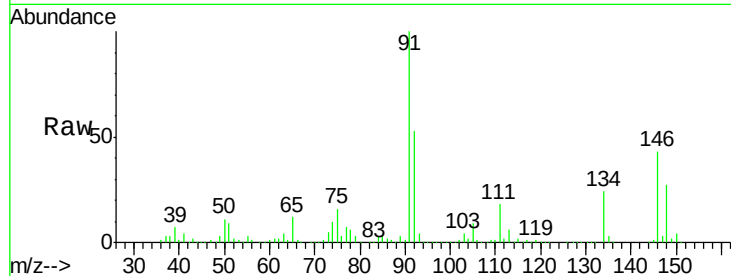
#89
n-Butylbenzene
Concen: 21.702 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tgt Ion: 91 Resp: 139879
Ion Ratio Lower Upper
91 100
92 53.3 26.5 79.5
134 24.8 12.4 37.2

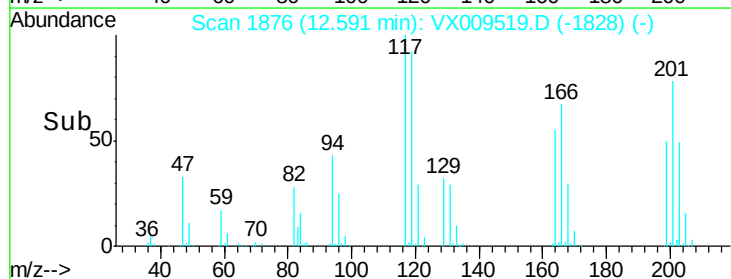
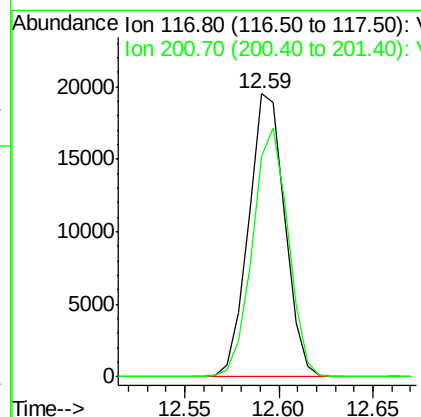
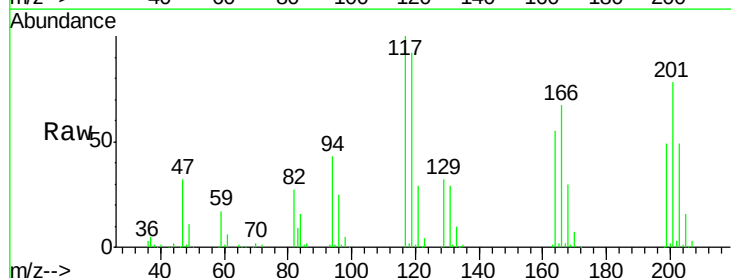
Manual Integrations
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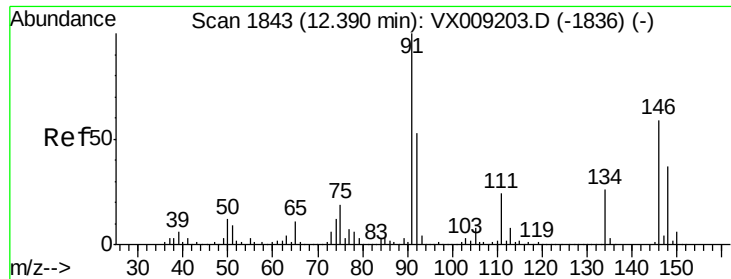
MMDadoda
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#90
Hexachloroethane
Concen: 21.369 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 117 Resp: 25962
Ion Ratio Lower Upper
117 100
201 86.3 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 21.646 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

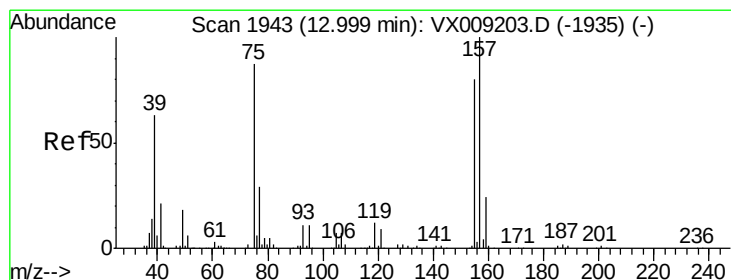
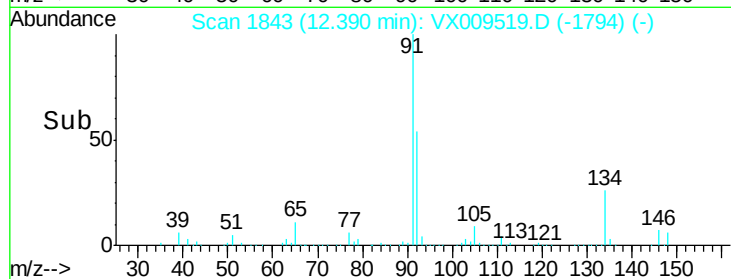
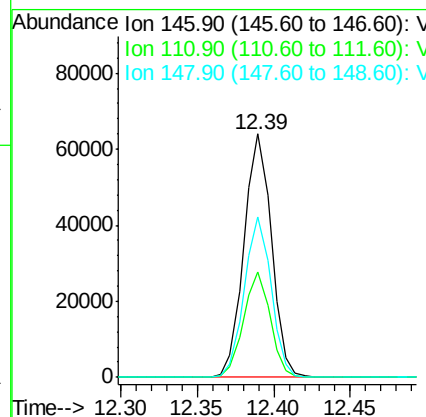
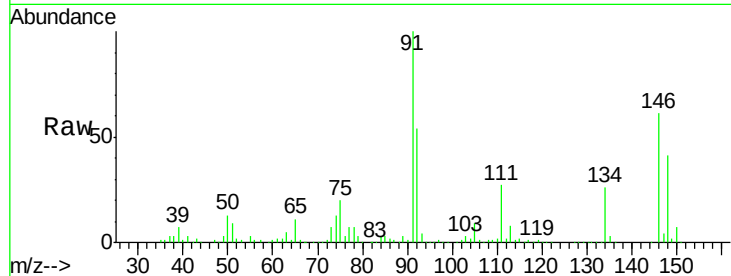
ClientSampleId :

VX0511MBS01

Tgt Ion:	146	Resp:	79686
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.8	62.4
148	64.6	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.302 ug/l

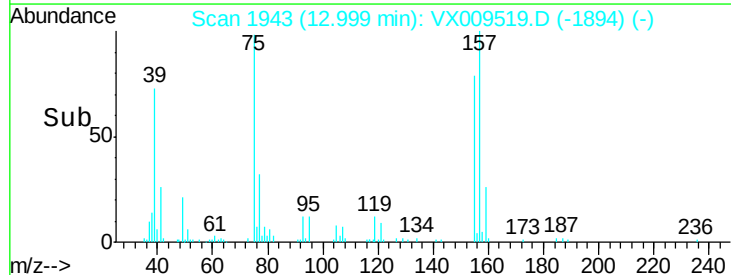
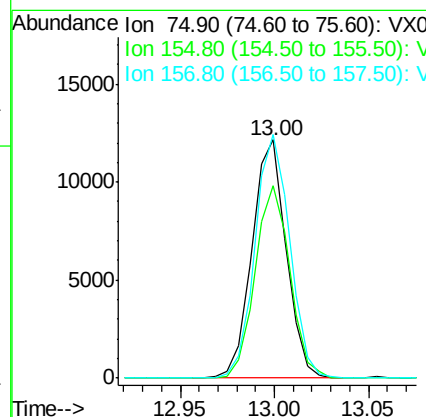
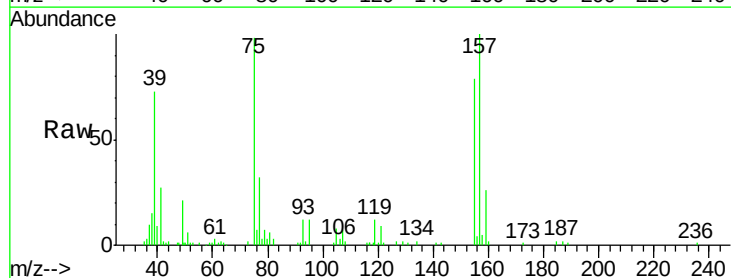
RT: 13.00 min Scan# 1943

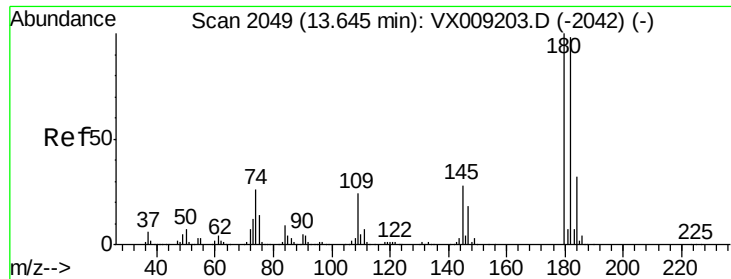
Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Tgt Ion:	75	Resp:	15235
Ion Ratio	Lower	Upper	
75	100		
155	81.9	42.0	126.0
157	103.6	53.2	159.6





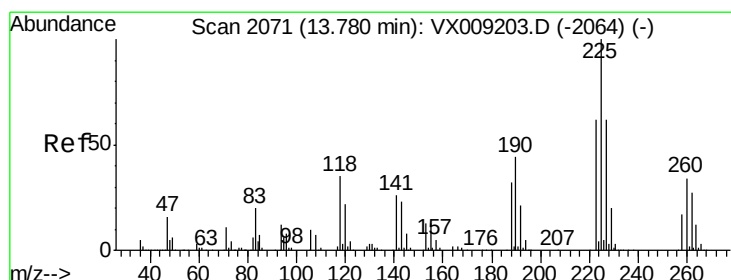
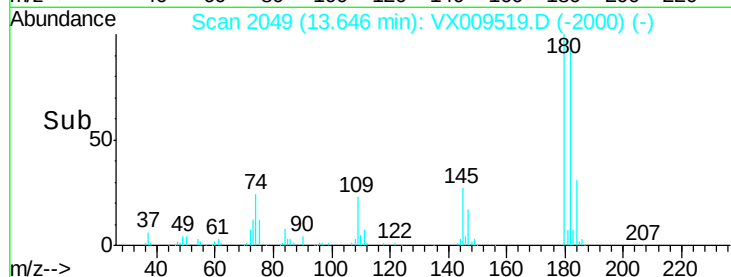
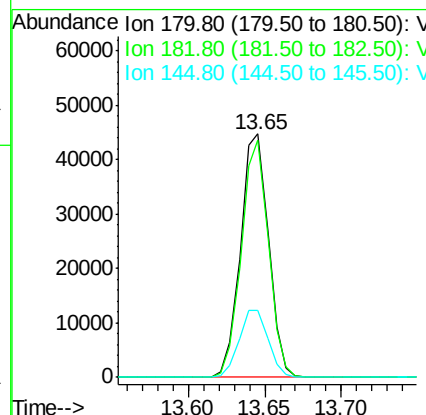
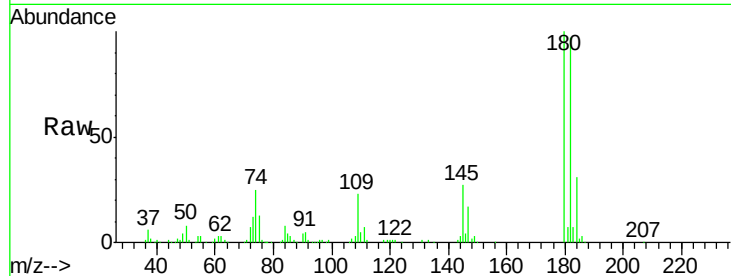
#93
 1,2,4-Trichlorobenzene
 Concen: 22.518 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.4	145.2
145	28.6	14.6	43.8

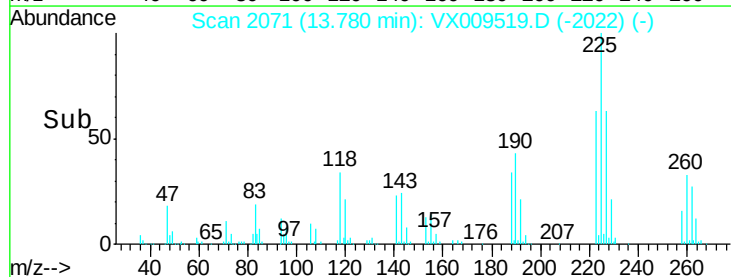
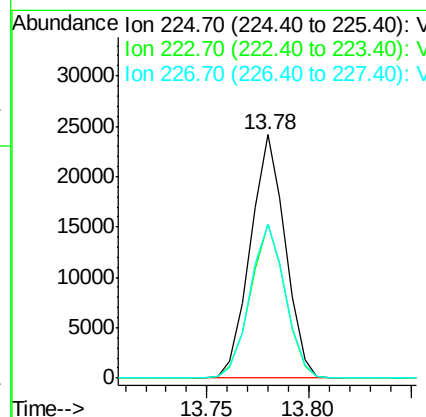
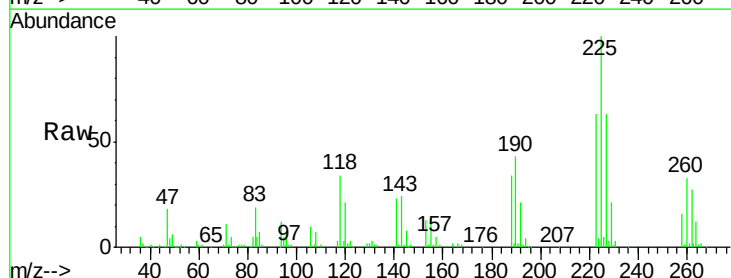
Manual Integrations
 APPROVED

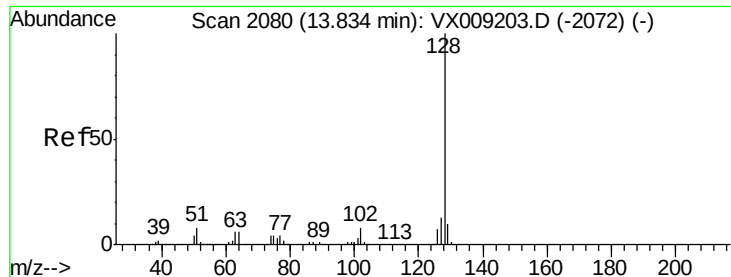
MMDadoda
 5/16/2019 9:16:52 AM



#94
 Hexachlorobutadiene
 Concen: 22.313 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.8
227	64.2	31.8	95.3





#95

Naphthalene

Concen: 22.657 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

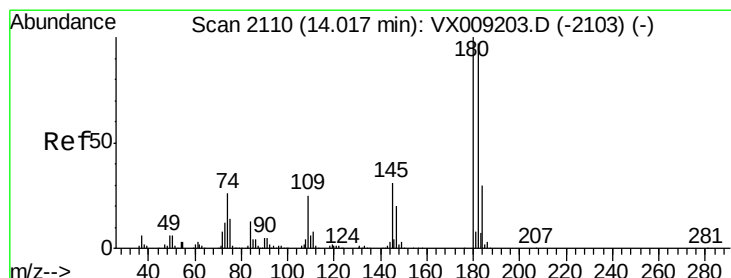
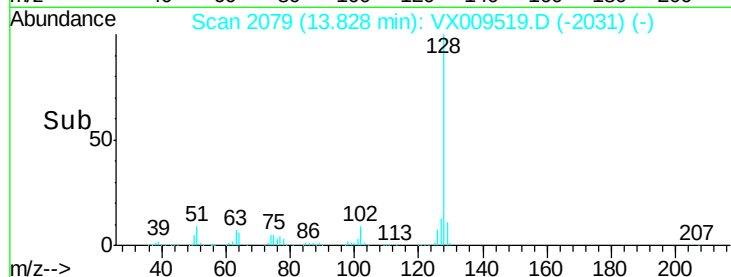
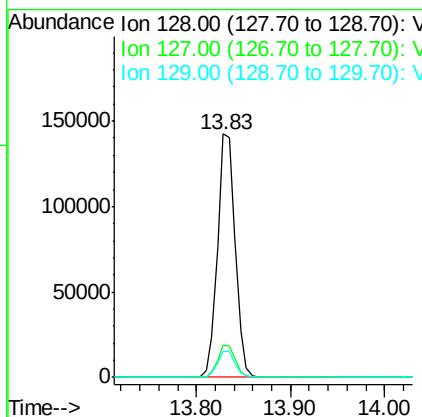
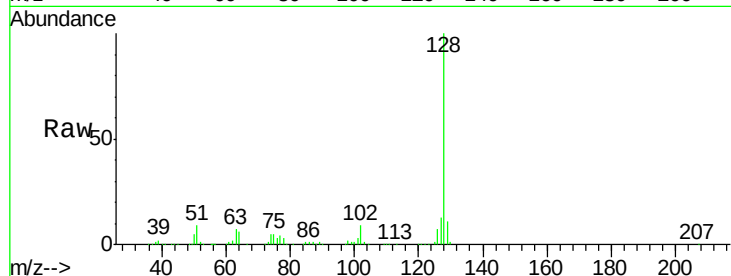
ClientSampleId :

VX0511MBS01

Tgt Ion:	128	Resp:	185567
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/16/2019 9:16:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.980 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Tgt Ion:	180	Resp:	58643
Ion Ratio		Lower	Upper
180	100		
182	94.2	47.8	143.4
145	29.6	15.4	46.4

