

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009270.D
 Acq On : 02 May 2019 12:14
 Operator : JC/SP
 Sample : VX0502WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0502WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 11:19:49 AM

Quant Time: May 03 07:29:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	31082	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	179006	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	161350	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	76347	29.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.70%
60) 4-Bromofluorobenzene	11.13	95	80294	29.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.63%
63) Toluene-d8	8.71	98	228542	29.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	33327	20.179	ug/l 100
3) Chloromethane	1.32	50	45633	20.556	ug/l 98
4) Vinyl Chloride	1.41	62	44358	20.029	ug/l 99
5) Bromomethane	1.64	94	26659	18.990	ug/l 97
6) Chloroethane	1.71	64	27738	19.098	ug/l 95
7) Trichlorofluoromethane	1.93	101	54816	20.044	ug/l 98
8) Diethyl Ether	2.19	74	25550	20.121	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34368	20.298	ug/l 98
10) 1,1-Dichloroethene	2.37	96	33788	19.874	ug/l 94
11) Methyl Iodide	2.51	142	36687	19.851	ug/l 98
12) Methyl Acetate	2.78	43	64295	20.079	ug/l 98
13) Acrolein	2.29	56	39766	90.542	ug/l 98
14) Acrylonitrile	3.14	53	141957	102.150	ug/l 99
15) Acetone	2.45	58	38969	97.667	ug/l 100
16) Carbon Disulfide	2.57	76	91455	19.882	ug/l 100
17) Allyl chloride	2.73	41	81676	20.011	ug/l 98
18) Methylene Chloride	2.85	84	41534	20.215	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	36978	20.400	ug/l 97
20) Diisopropyl ether	3.85	45	165966	20.649	ug/l 99
21) 1,1-Dichloroethane	3.70	63	79645	20.476	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	44184	20.236	ug/l 97
23) tert-Butyl Alcohol	3.05	59	59706	101.606	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	135390	20.349	ug/l 100
25) Chloroform	5.21	83	72985	20.561	ug/l 96
26) Cyclohexane	5.57	56	74221	20.474	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	55249	21.034	ug/l 98
30) 2-Butanone	4.67	43	212661	103.383	ug/l 100
31) 2,2-Dichloropropane	4.58	77	57436	19.835	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	60066	21.095	ug/l 97
33) Carbon Tetrachloride	5.78	117	48476	20.347	ug/l 98
34) Benzene	6.14	78	169669	20.953	ug/l 100
35) Methacrylonitrile	5.04	41	44734	20.786	ug/l 94
36) 1,2-Dichloroethane	6.19	62	60999	20.760	ug/l 100
37) Trichloroethene	7.21	130	40664	20.861	ug/l 90
38) Methylcyclohexane	7.46	83	66541	20.505	ug/l 100
39) 1,2-Dichloropropane	7.51	63	48521	21.041	ug/l 99
40) Dibromomethane	7.66	93	27571	21.066	ug/l 99

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MMDadoda
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	55545	20.777	ug/l	97
42) Vinyl Acetate	3.81	43	713434	105.085	ug/l	100
43) Ethyl Acetate	4.84	43	79971	21.515	ug/l	98
44) Isopropyl Acetate	6.45	43	124123	20.613	ug/l	99
45) 1,4-Dioxane	7.74	88	25457	430.607	ug/l	100
46) Methyl methacrylate	7.77	41	61207	20.365	ug/l	97
47) n-amyl Acetate	10.90	43	109529	20.192	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	61823	19.819	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	69829	20.391	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	42931	21.410	ug/l	98
51) Ethyl methacrylate	9.18	69	75138	20.277	ug/l	97
52) 1,3-Dichloropropane	9.37	76	74735	21.000	ug/l	100
53) Dibromochloromethane	9.58	129	41020	20.541	ug/l	98
54) 1,2-Dibromoethane	9.67	107	43092	20.954	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	197979	100.264	ug/l	99
56) Bromoform	10.85	173	29828	19.458	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	410951	103.582	ug/l	100
59) 2-Hexanone	9.49	43	319918	102.807	ug/l	100
61) Tetrachloroethene	9.34	164	37512	21.089	ug/l	97
62) Toluene	8.78	91	178470	20.700	ug/l	100
64) Chlorobenzene	10.14	112	105356	20.304	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	38618	20.326	ug/l	99
66) Ethyl Benzene	10.25	91	196512	20.460	ug/l	99
67) m/p-Xylenes	10.36	106	141929	40.472	ug/l	99
68) o-Xylene	10.70	106	70859	20.550	ug/l	98
69) Styrene	10.71	104	121356	20.048	ug/l	99
70) Isopropylbenzene	11.02	105	189846	20.472	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	70691	20.815	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	60248m	20.586	ug/l	
73) Bromobenzene	11.26	156	45998	20.076	ug/l	99
74) n-propylbenzene	11.36	91	216374	20.135	ug/l	99
75) 2-Chlorotoluene	11.42	91	130517	20.249	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	159386	20.290	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	22107	18.726	ug/l	97
78) 4-Chlorotoluene	11.51	91	145974	19.940	ug/l	99
79) tert-butylbenzene	11.77	119	152597	20.095	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	160051	20.329	ug/l	98
81) sec-Butylbenzene	11.94	105	182739	20.254	ug/l	100
82) p-Isopropyltoluene	12.06	119	165728	20.193	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	81833	19.999	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	81599	20.016	ug/l	98
85) n-Butylbenzene	12.38	91	144238	19.207	ug/l	100
86) Hexachloroethane	12.60	117	26814	19.200	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	82677	20.072	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15952	20.213	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	57630	19.630	ug/l	99
90) Hexachlorobutadiene	13.78	225	29684	20.242	ug/l	96
91) Naphthalene	13.83	128	194680	20.254	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	59518	19.944	ug/l	98

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MSVOA_X
ClientSampleId :
VX0502WBSD01

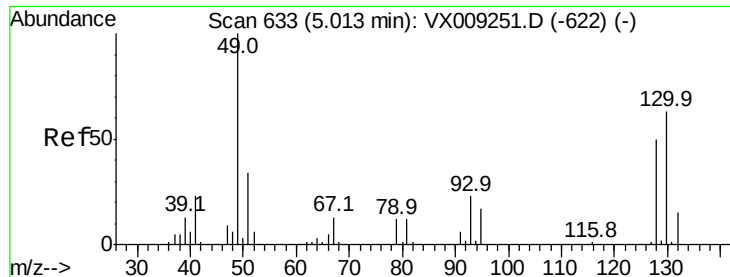
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



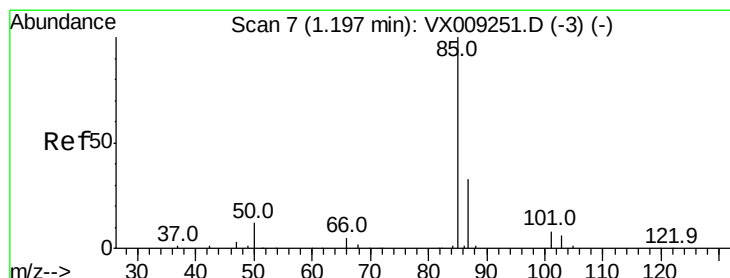
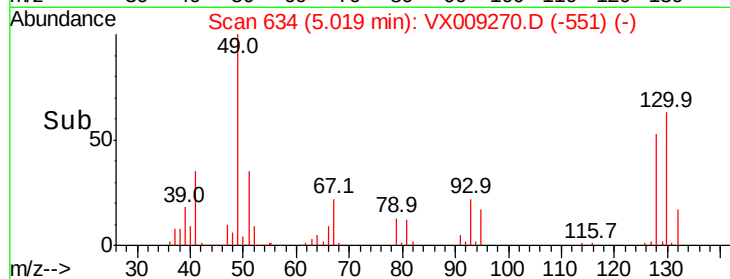
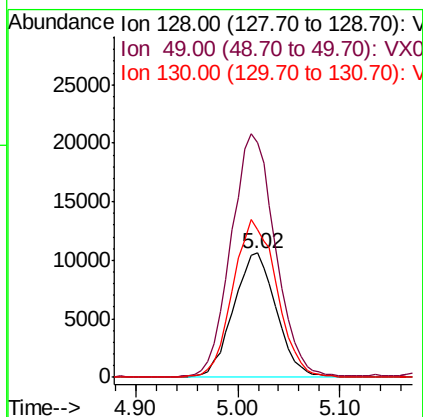
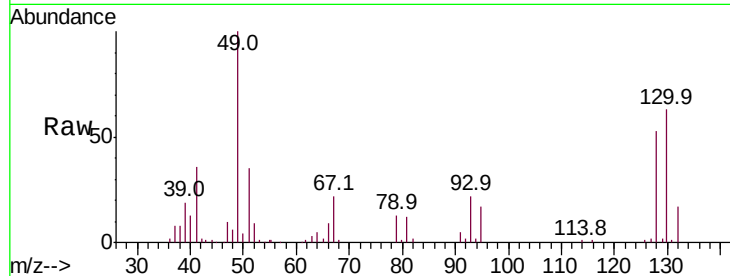
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	202.2	0.0	515.0
130	130.2	0.0	323.3

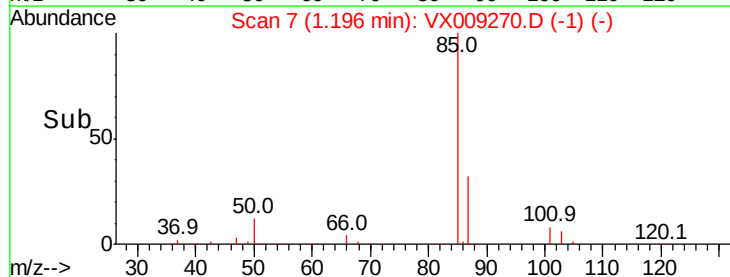
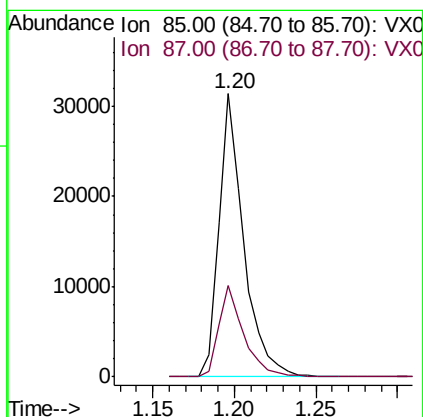
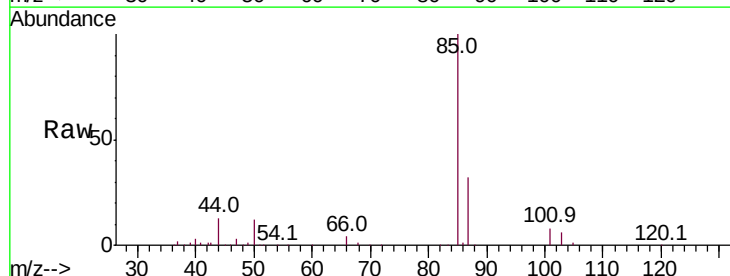
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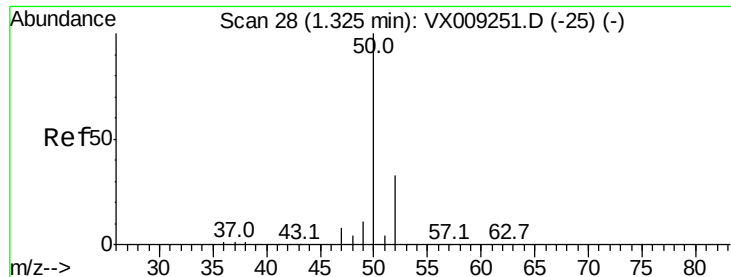
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#2
Dichlorodifluoromethane
Concen: 20.179 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.3	48.9





#3

Chloromethane

Concen: 20.556 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 50 Resp: 45633

Ion Ratio Lower Upper

50 100

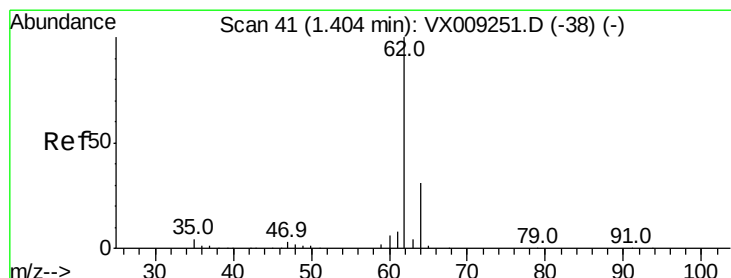
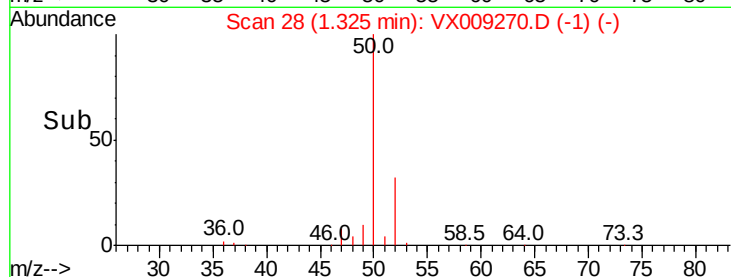
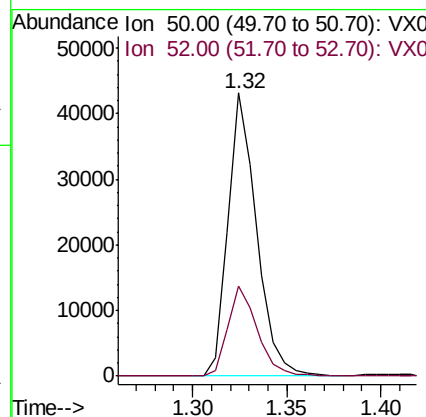
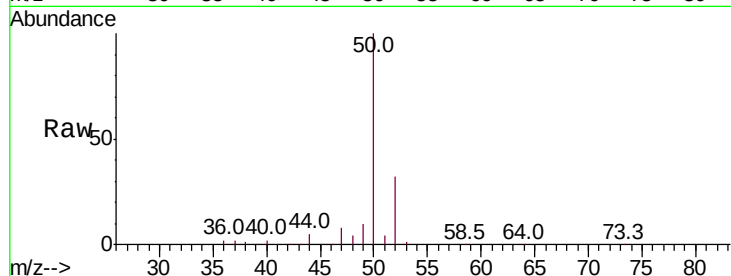
52 32.0 26.3 39.5

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#4

Vinyl Chloride

Concen: 20.029 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009270.D

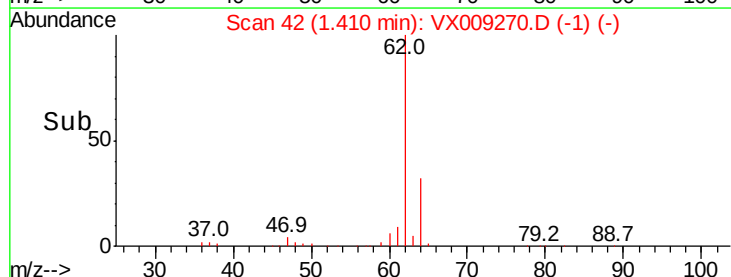
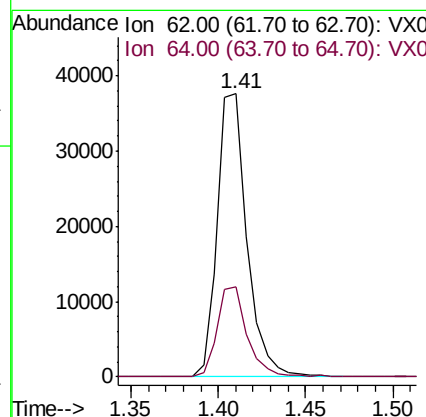
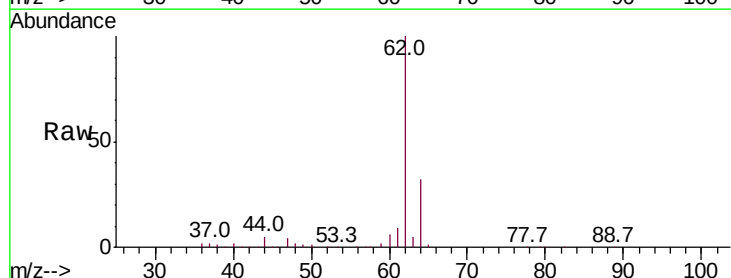
Acq: 02 May 2019 12:14

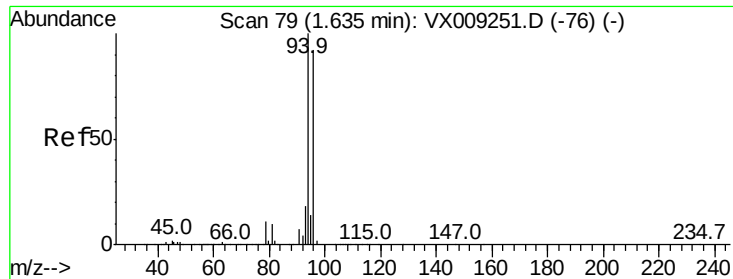
Tgt Ion: 62 Resp: 44358

Ion Ratio Lower Upper

62 100

64 31.4 24.6 36.8





#5

Bromomethane

Concen: 18.990 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 94 Resp: 26659

Ion Ratio Lower Upper

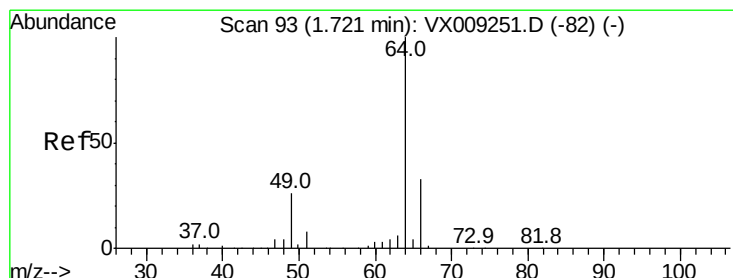
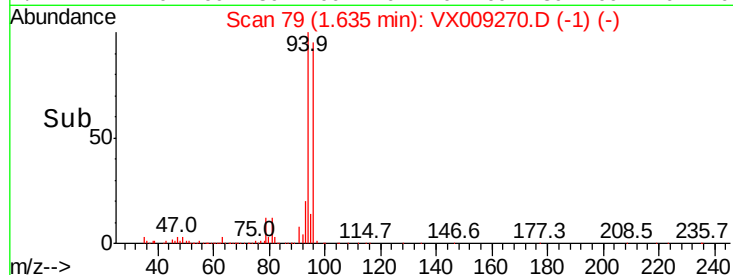
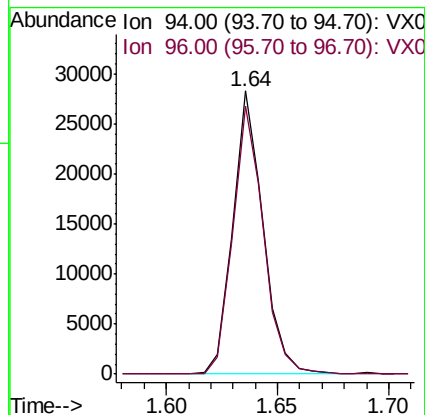
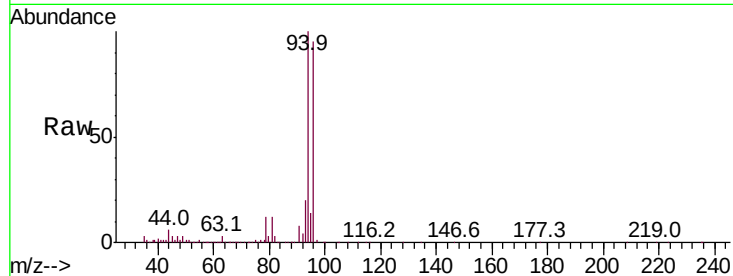
94 100

96 94.9 73.5 110.3

Manual Integrations
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#6

Chloroethane

Concen: 19.098 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009270.D

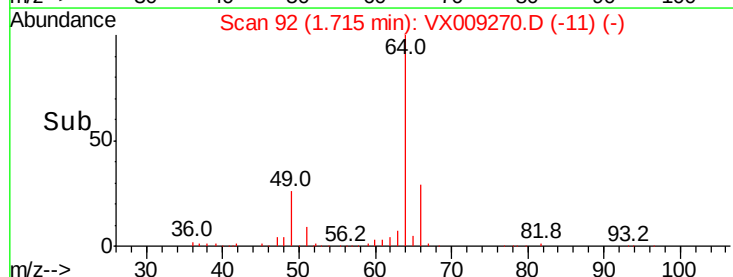
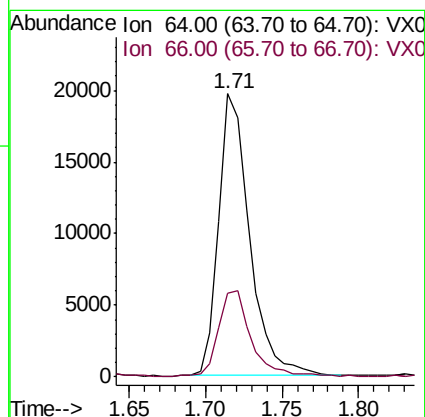
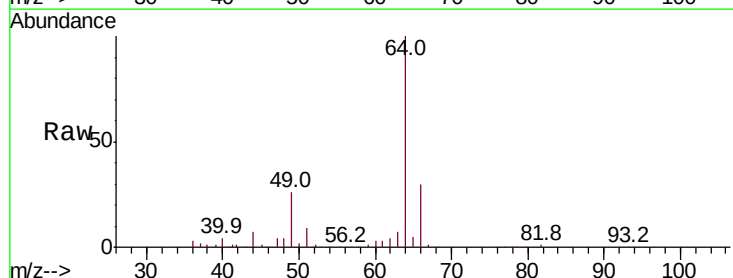
Acq: 02 May 2019 12:14

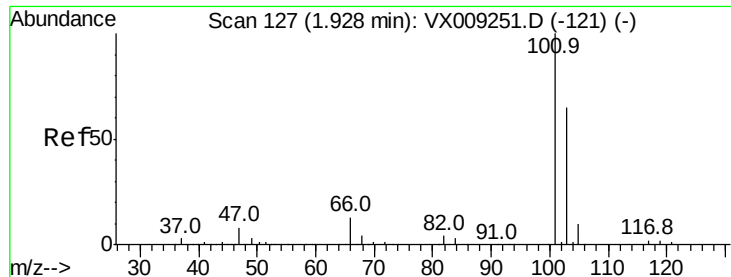
Tgt Ion: 64 Resp: 27738

Ion Ratio Lower Upper

64 100

66 29.4 25.9 38.9





#7

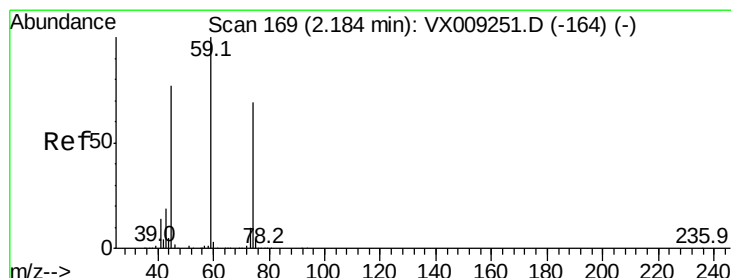
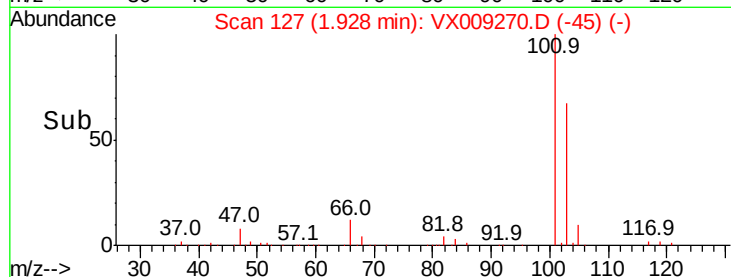
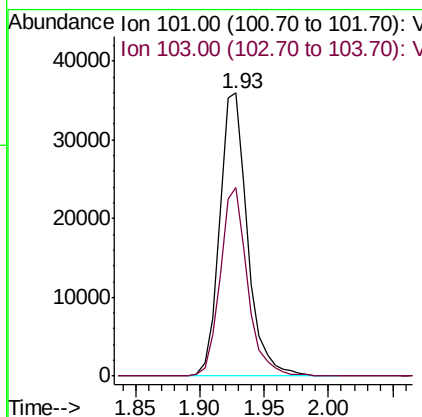
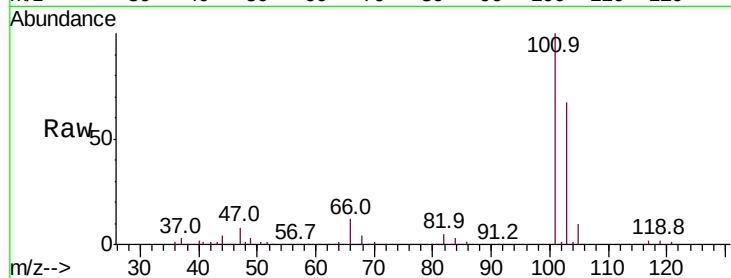
Trichlorofluoromethane
 Concen: 20.044 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Instrument :
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 ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		54816		
103	66.6	51.9		77.9	

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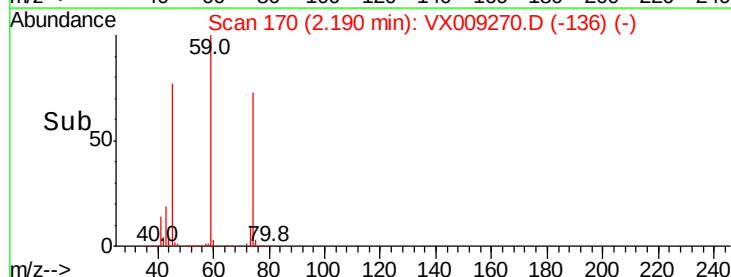
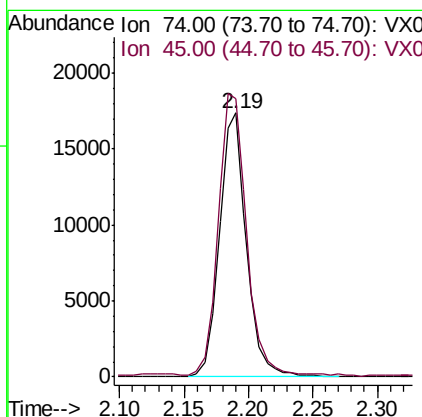
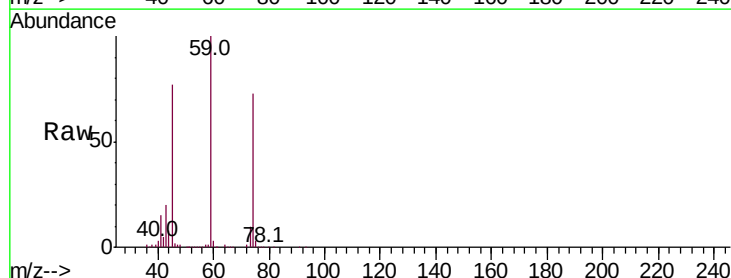
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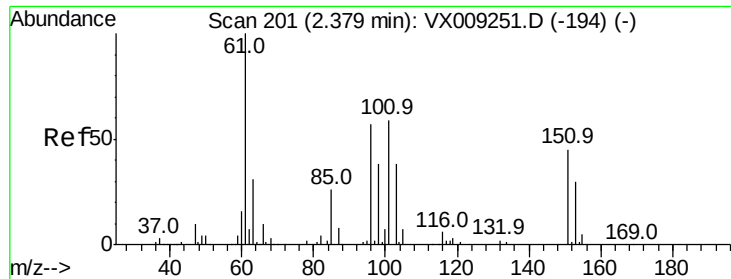


#8

Diethyl Ether
 Concen: 20.121 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		25550		
45	111.0	21.5		193.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.298 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

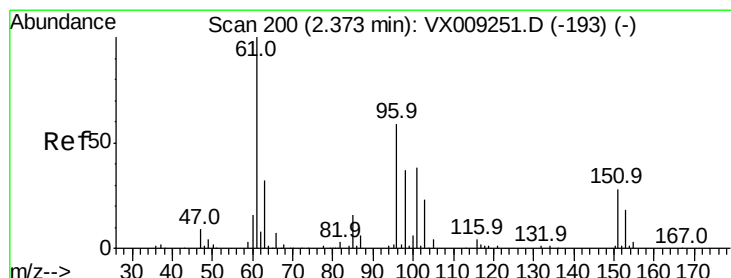
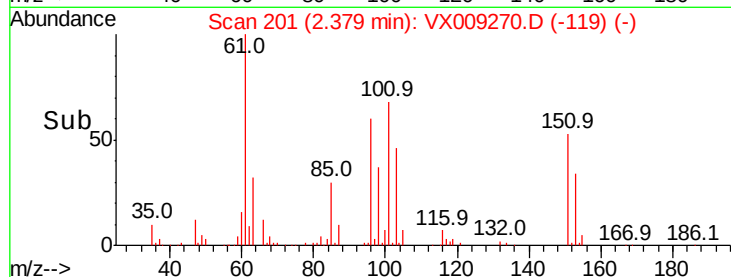
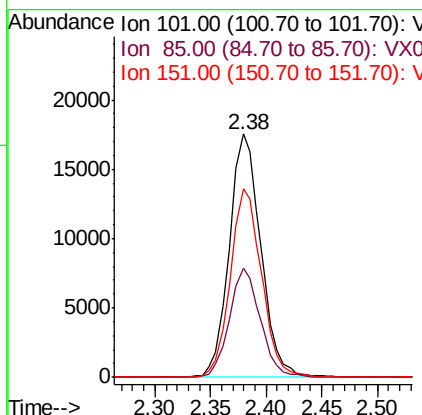
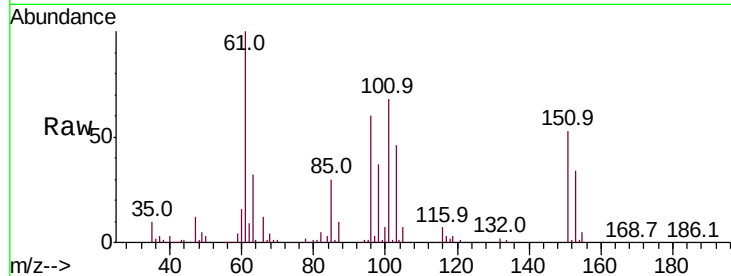
ClientSampleId :

VX0502WBSD01

Tot Ion:	101	Resp:	34368
Ion Ratio	Lower	Upper	
101	100		
85	44.0	0.0	87.4
151	76.6	0.0	157.0

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#10

1,1-Dichloroethene

Concen: 19.874 ug/l

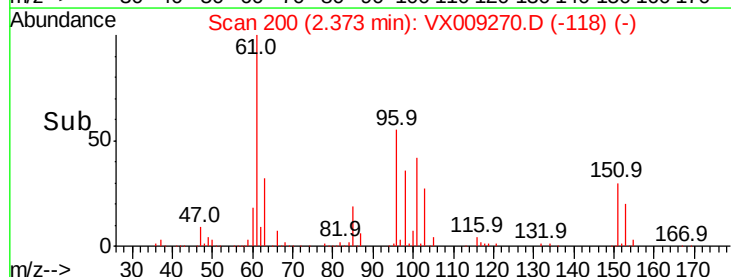
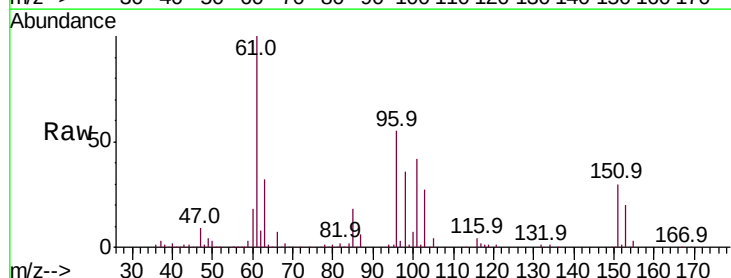
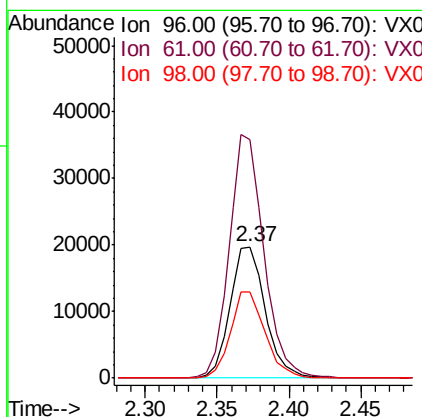
RT: 2.37 min Scan# 200

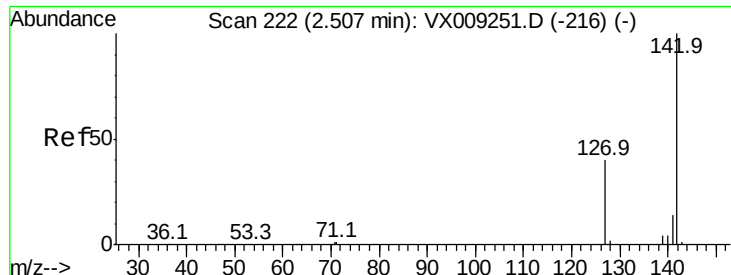
Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Tgt Ion:	96	Resp:	33788
Ion Ratio	Lower	Upper	
96	100		
61	181.2	136.5	204.7
98	66.1	51.0	76.4





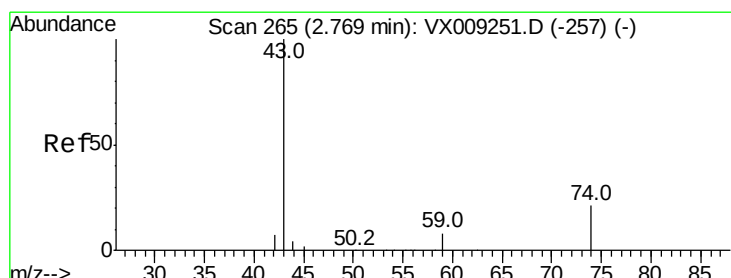
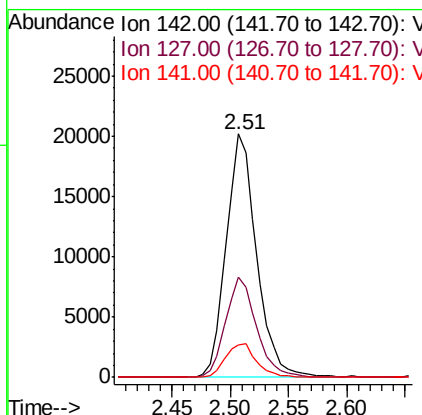
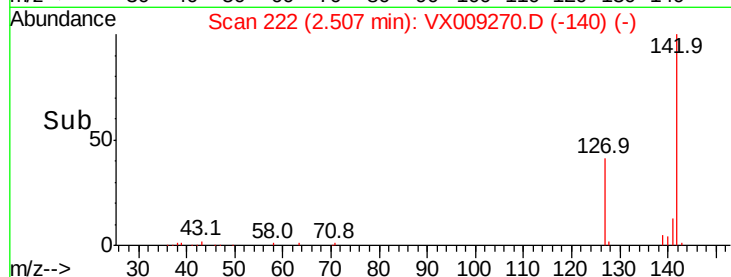
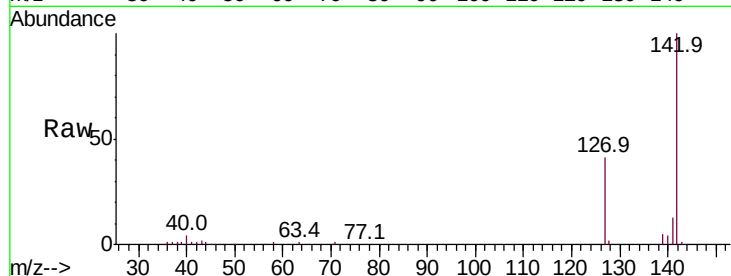
#11
Methvl Iodide
Concen: 19.851 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion:	142	Resp:	36687
Ion Ratio	Lower	Upper	
142	100		
127	41.4	20.2	60.5
141	13.2	6.9	20.7

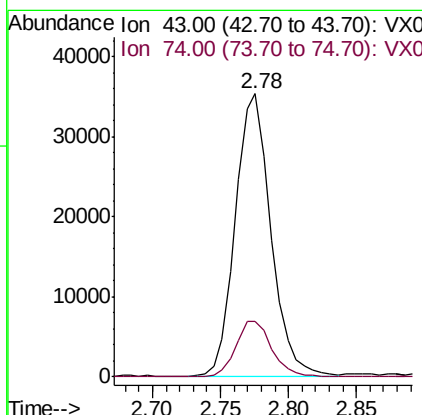
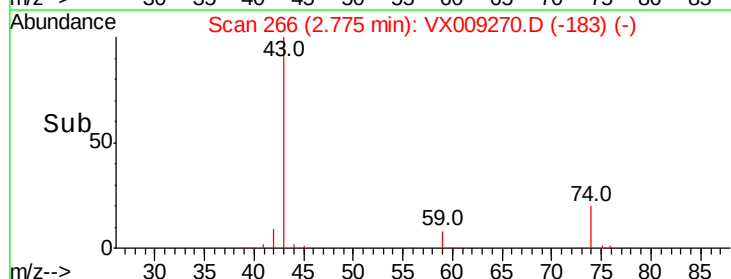
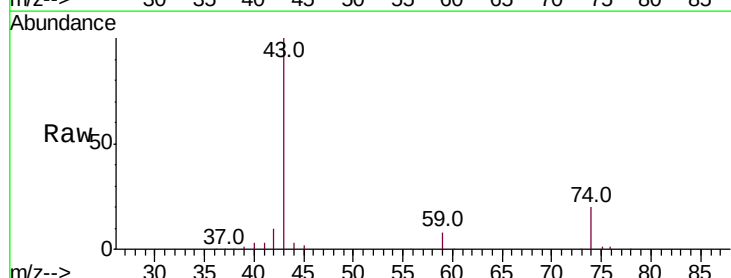
Manual Integrations
APPROVED

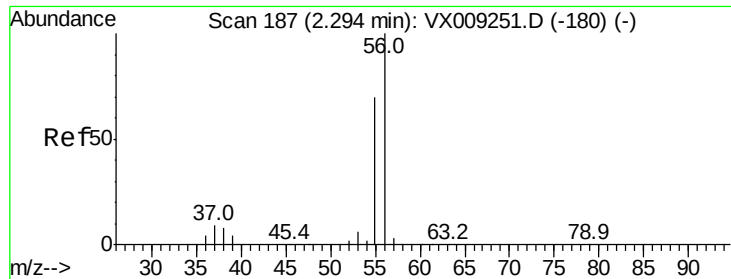
MMDadoda
5/3/2019 11:19:49 AM



#12
Methyl Acetate
Concen: 20.079 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Tgt Ion:	43	Resp:	64295
Ion Ratio	Lower	Upper	
43	100		
74	19.6	16.5	24.7





#13

Acrolein

Concen: 90.542 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 56 Resp: 39766

Ion Ratio Lower Upper

56 100

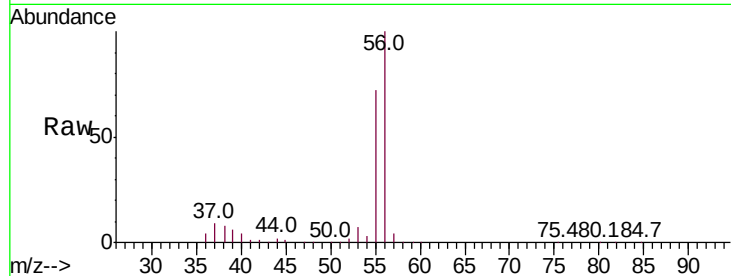
55 69.2 56.9 85.3

Manual Integrations

APPROVED

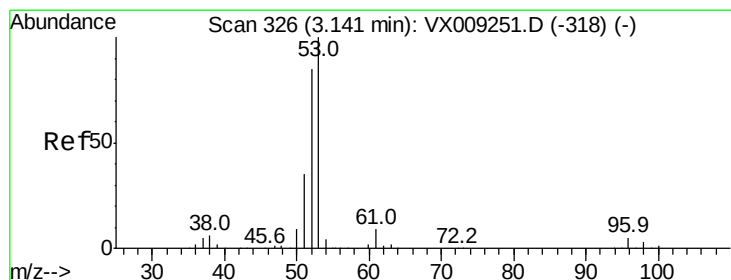
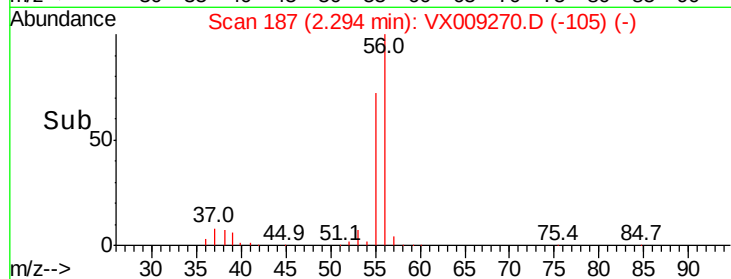
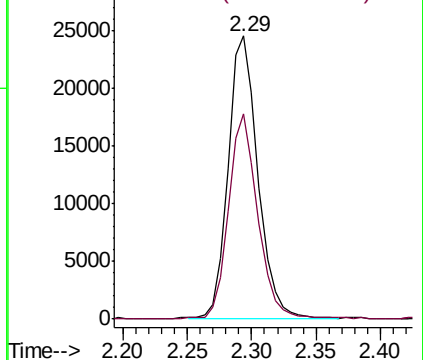
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 102.150 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

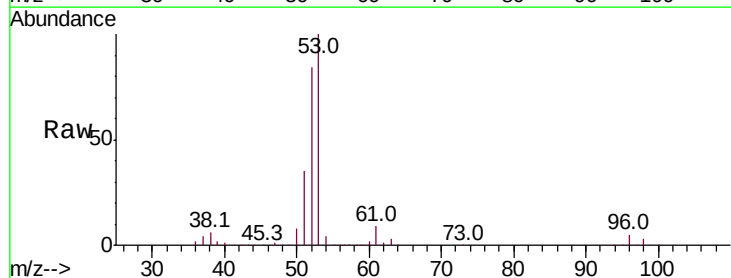
Tgt Ion: 53 Resp: 141957

Ion Ratio Lower Upper

53 100

52 83.6 41.5 124.5

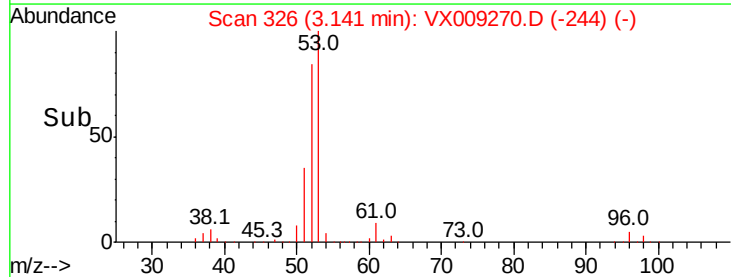
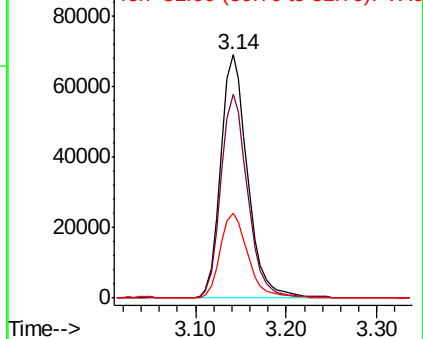
51 36.4 17.8 53.3

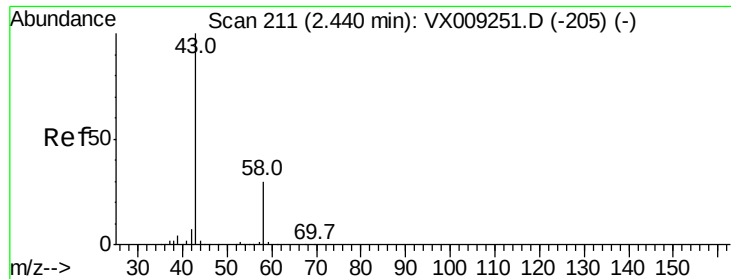


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 97.667 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampled :

VX0502WBSD01

Tot Ion: 58 Resp: 38969

Ion Ratio Lower Upper

58 100

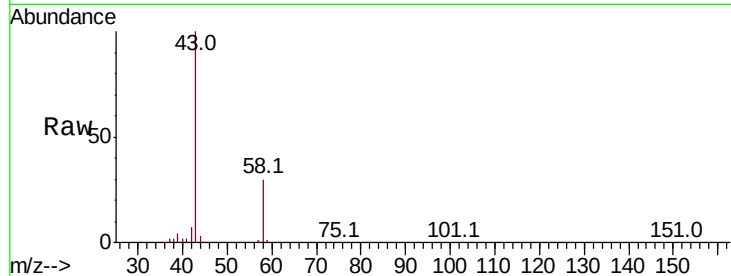
43 330.8 264.0 396.0

Manual Integrations

APPROVED

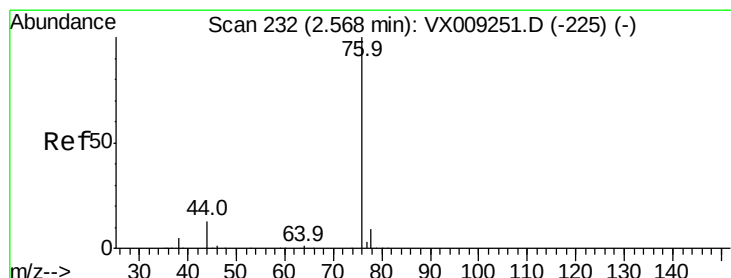
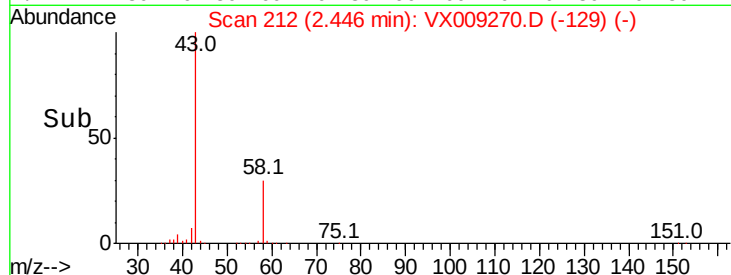
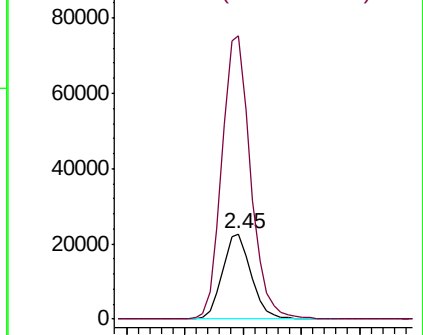
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.882 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009270.D

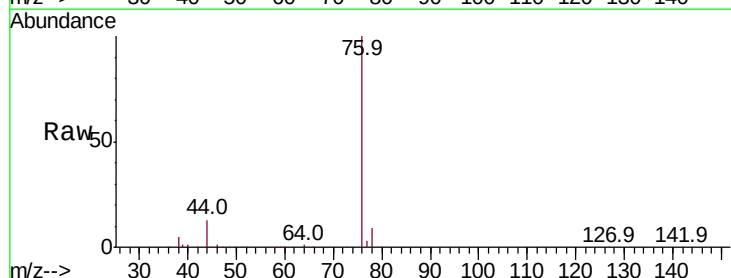
Acq: 02 May 2019 12:14

Tgt Ion: 76 Resp: 91455

Ion Ratio Lower Upper

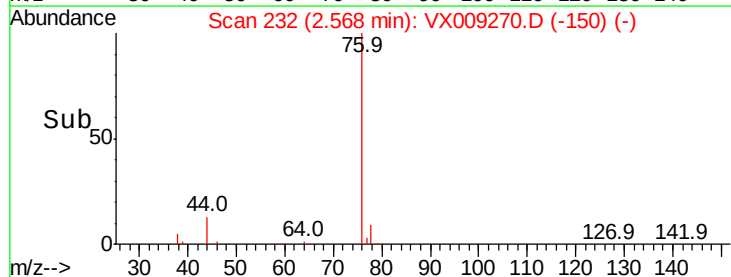
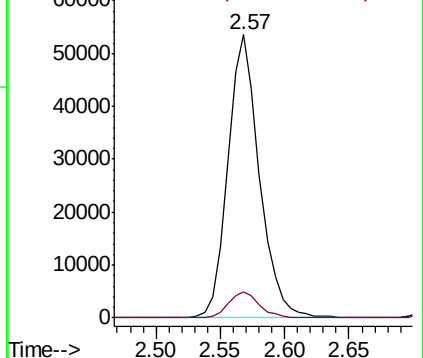
76 100

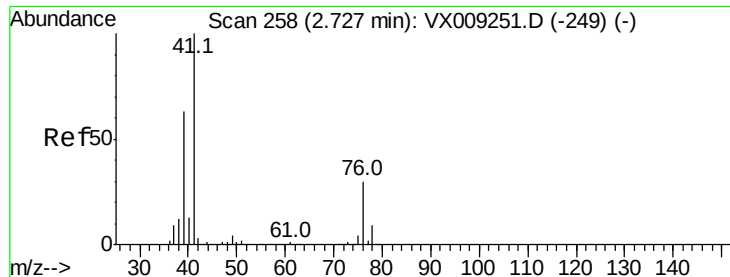
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 20.011 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

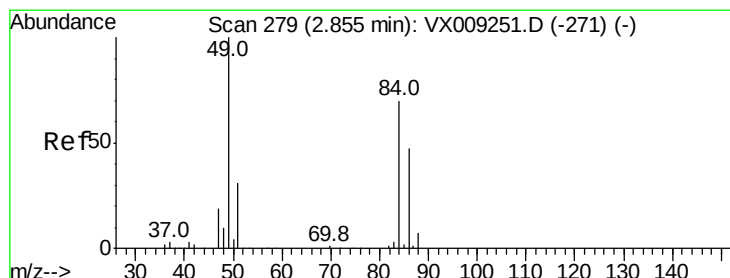
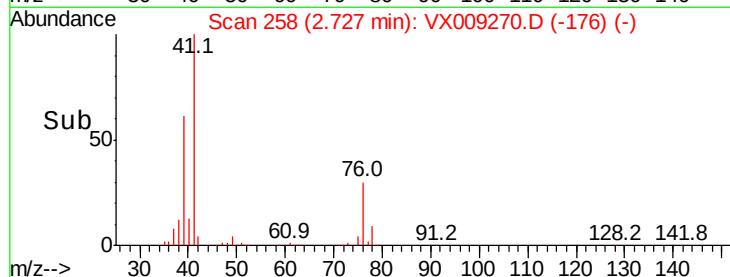
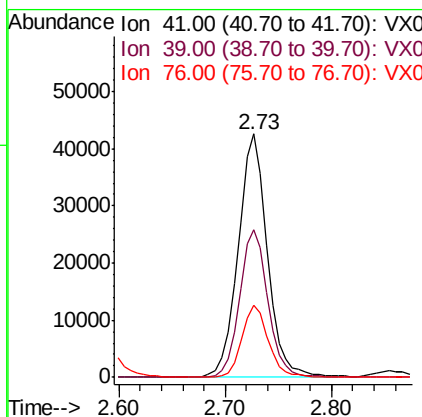
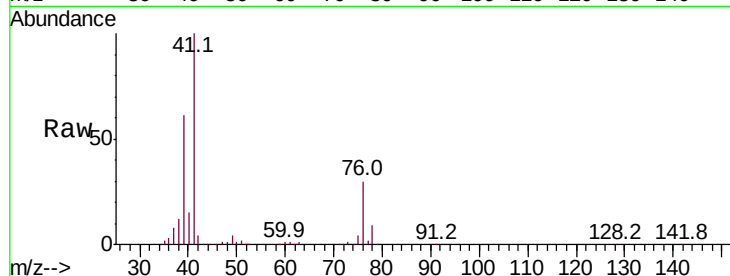
ClientSampleId :

VX0502WBSD01

Tot Ion:	41	Resp:	81676
Ion	Ratio	Lower	Upper
41	100		
39	60.9	31.6	94.7
76	29.5	15.1	45.3

Manual Integrations
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#18

Methylene Chloride

Concen: 20.215 ug/l

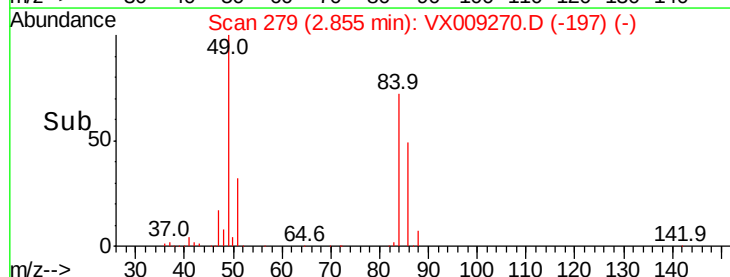
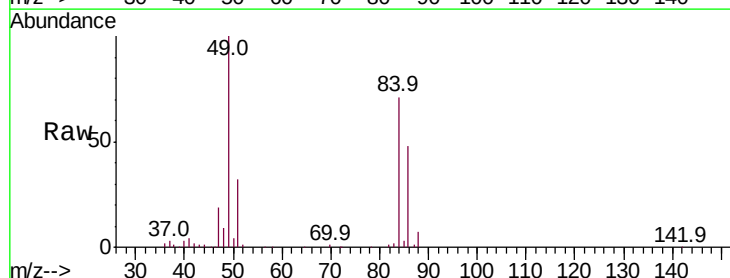
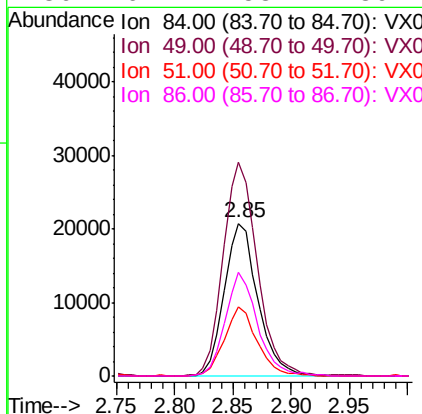
RT: 2.85 min Scan# 279

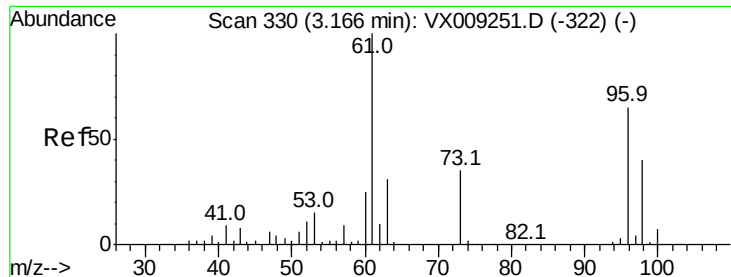
Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Tgt Ion:	84	Resp:	41534
Ion	Ratio	Lower	Upper
84	100		
49	139.7	114.6	171.8
51	45.1	35.5	53.3
86	67.7	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 20.400 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 96 Resp: 36978

Ion Ratio Lower Upper

96 100

61 156.4 122.7 184.1

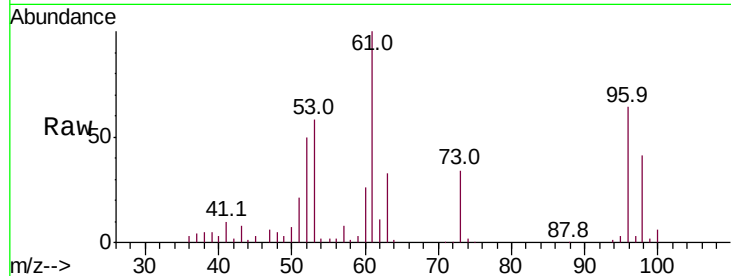
98 64.4 49.5 74.3

Manual Integrations

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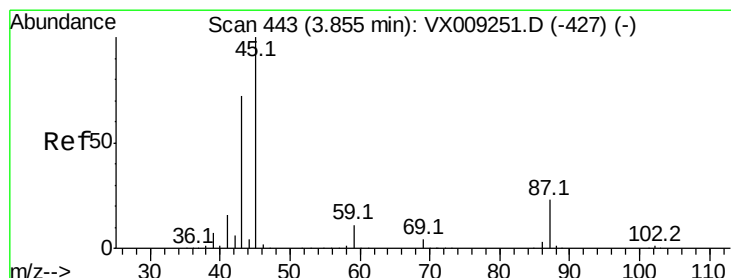
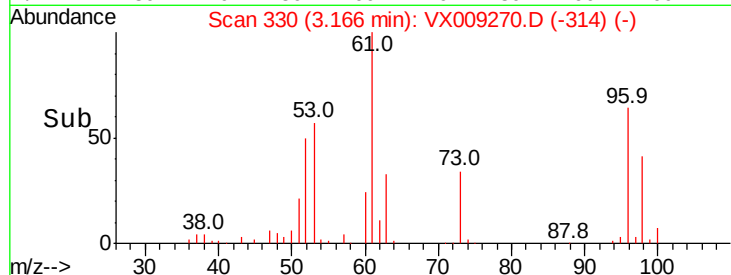
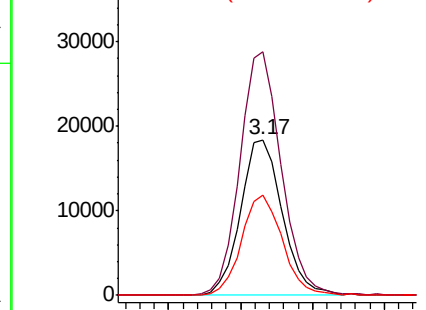


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 20.649 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Tgt Ion: 45 Resp: 165966

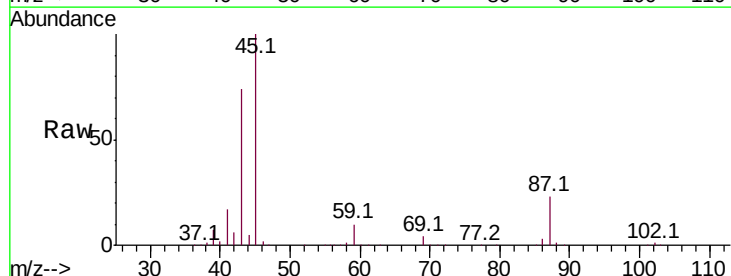
Ion Ratio Lower Upper

45 100

43 73.3 57.7 86.5

87 22.9 18.5 27.7

59 10.3 8.8 13.2



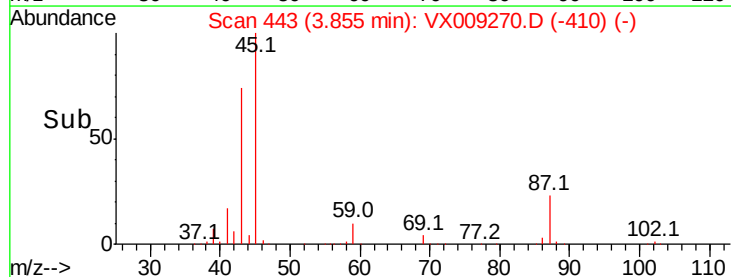
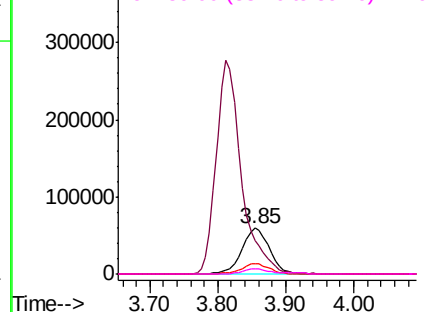
Abundance

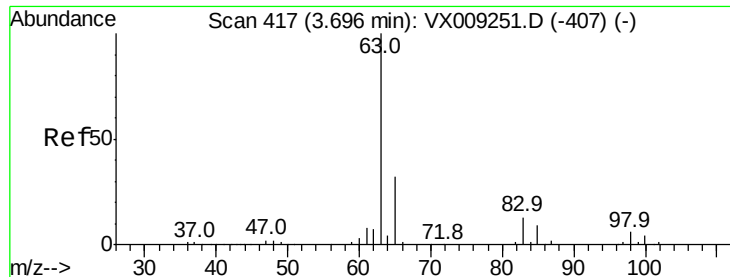
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 20.476 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

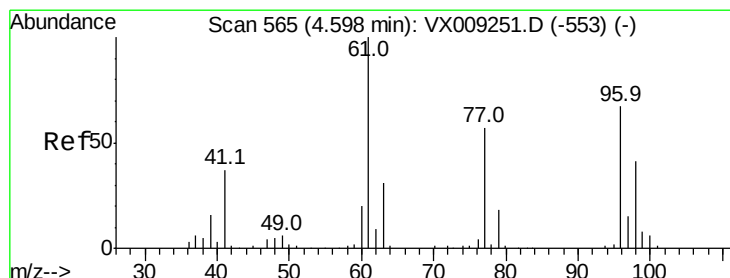
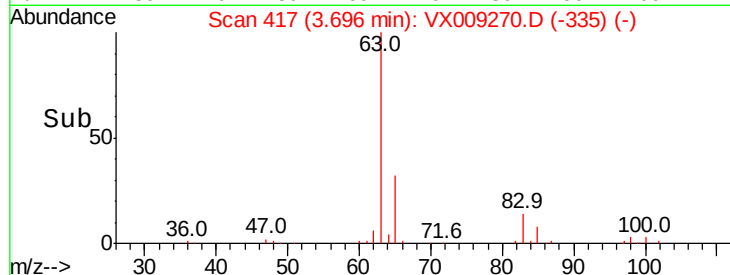
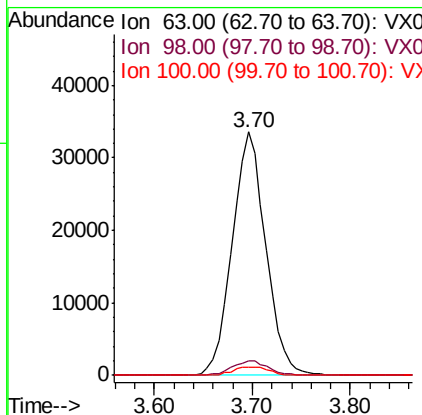
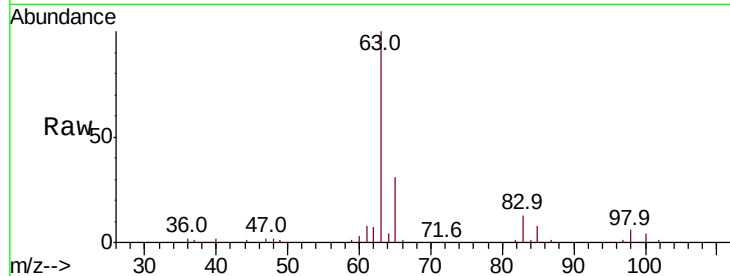
ClientSampleId :

VX0502WBSD01

Tot Ion:	63	Resp:	79645
Ion Ratio	Lower	Upper	
63	100		
98	5.8	3.1	9.3
100	3.5	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.236 ug/l

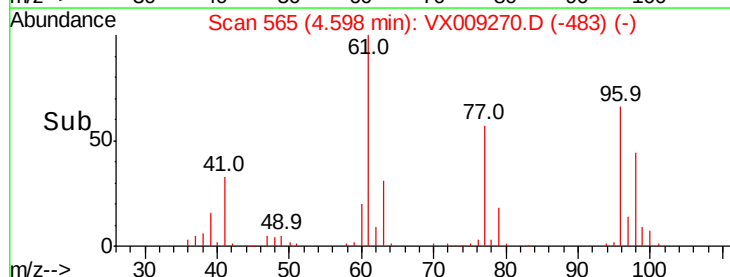
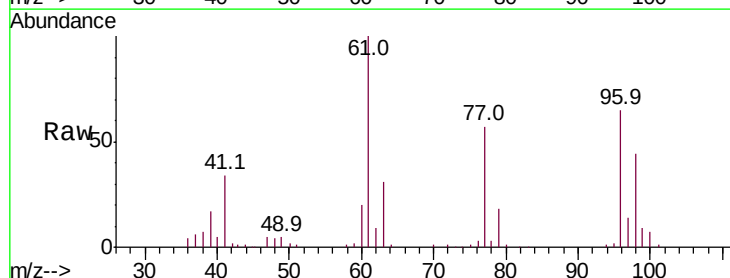
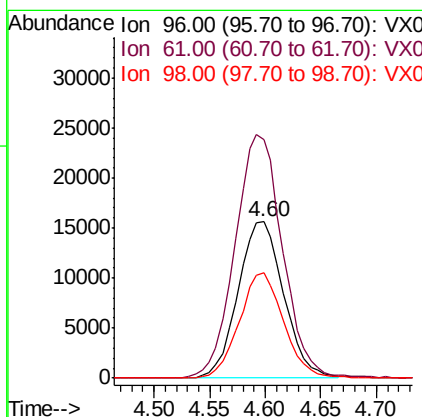
RT: 4.60 min Scan# 565

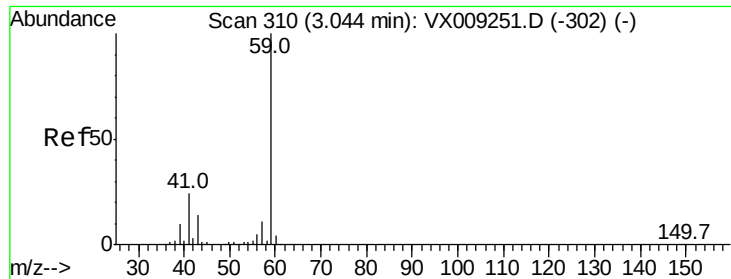
Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Tgt Ion:	96	Resp:	44184
Ion Ratio	Lower	Upper	
96	100		
61	163.3	127.7	191.5
98	65.6	50.5	75.7





#23

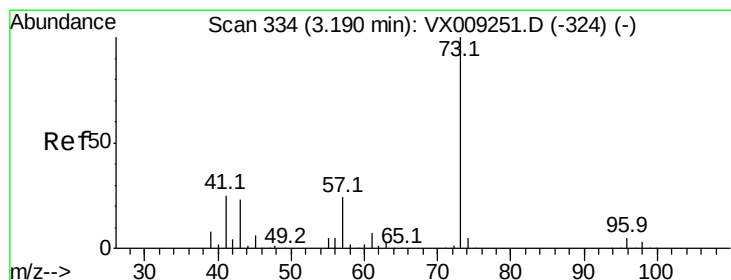
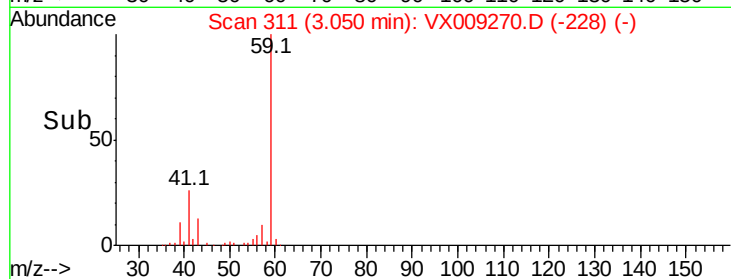
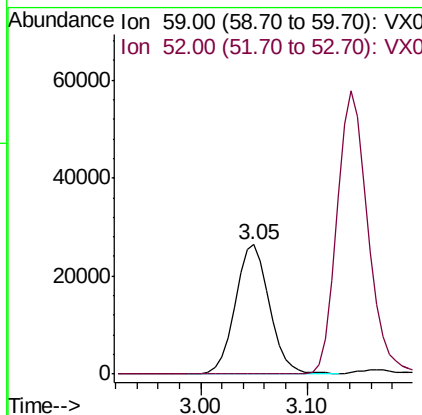
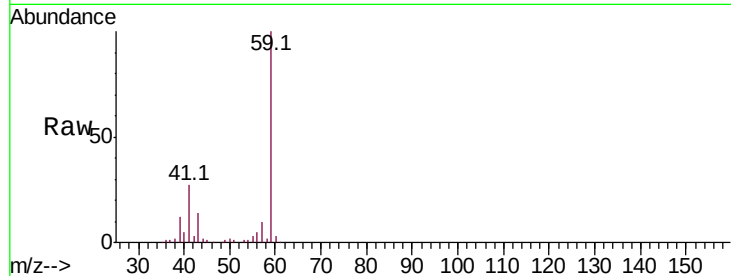
tert-Butyl Alcohol
Concen: 101.606 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion: 59 Resp: 59706
Ion Ratio Lower Upper
59 100
52 0.2 0.2 0.2#

Manual Integrations
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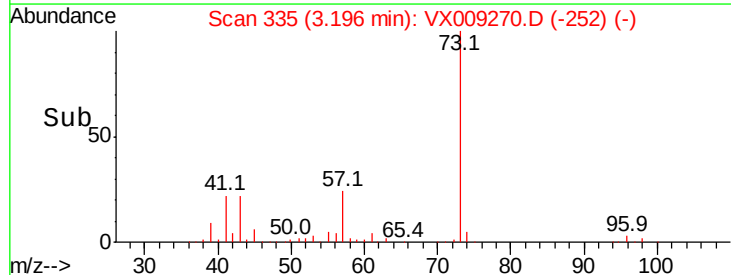
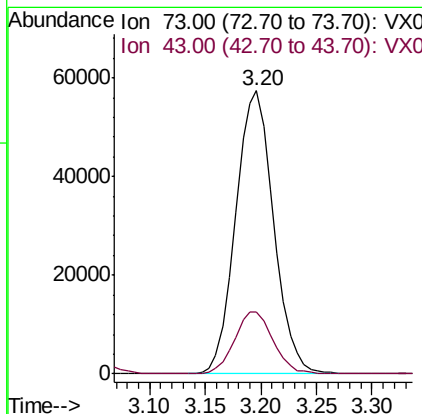
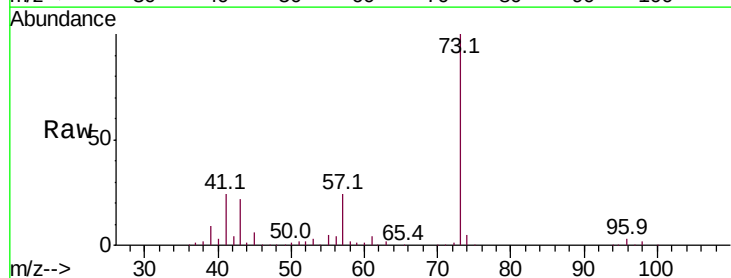
MMDadoda
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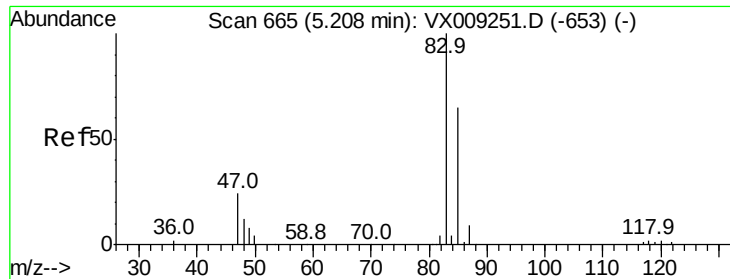


#24

Methyl tert-Butyl Ether
Concen: 20.349 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Tgt Ion: 73 Resp: 135390
Ion Ratio Lower Upper
73 100
43 22.2 17.6 26.4





#25

Chloroform

Concen: 20.561 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 83 Resp: 72985

Ion Ratio Lower Upper

83 100

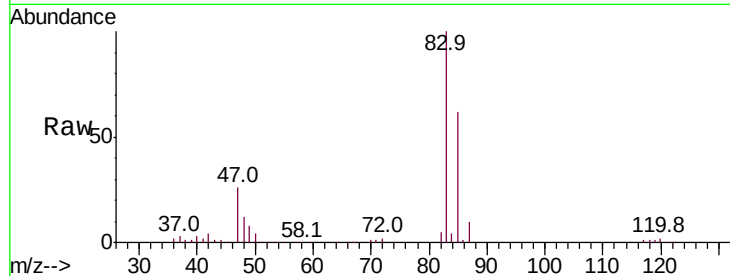
85 61.8 51.9 77.9

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

25000

20000

15000

10000

5000

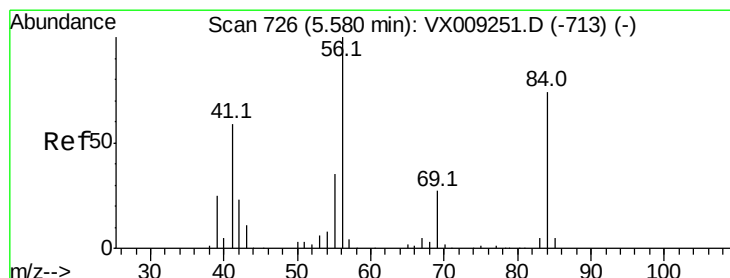
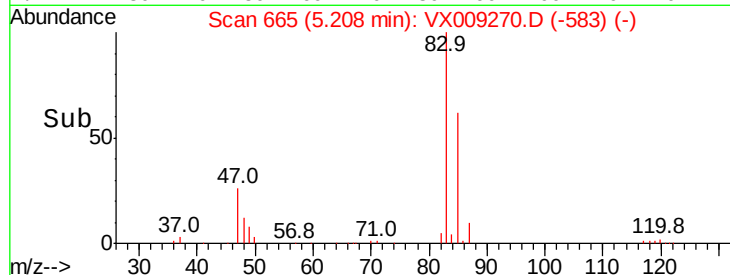
0

5.10

5.20

5.30

Time-->



#26

Cyclohexane

Concen: 20.474 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

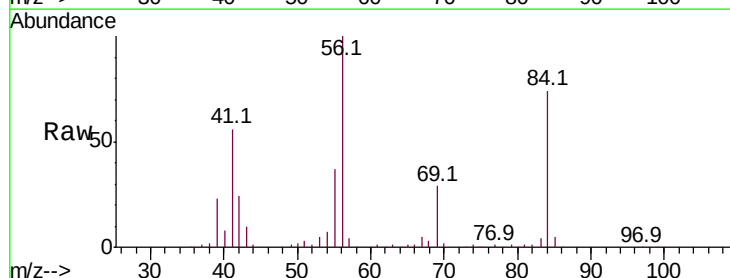
Tgt Ion: 56 Resp: 74221

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 75.4 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

40000

30000

20000

10000

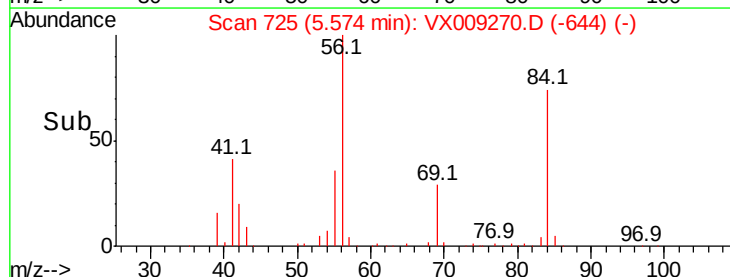
0

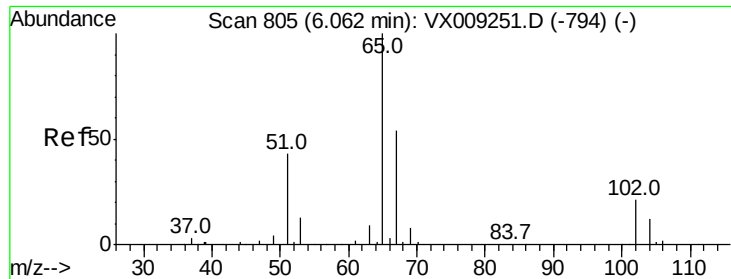
5.50

5.60

5.70

Time-->





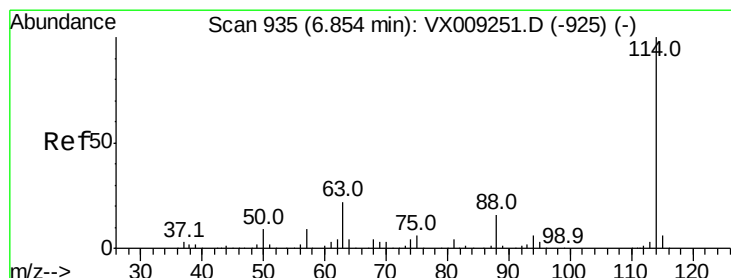
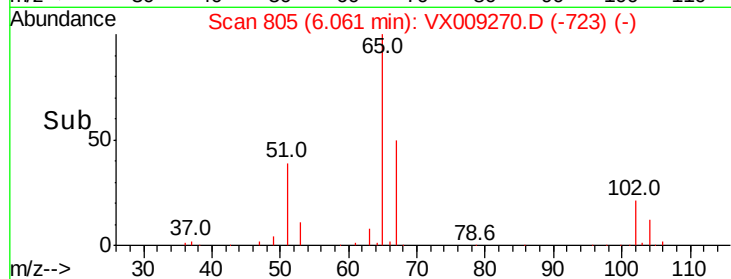
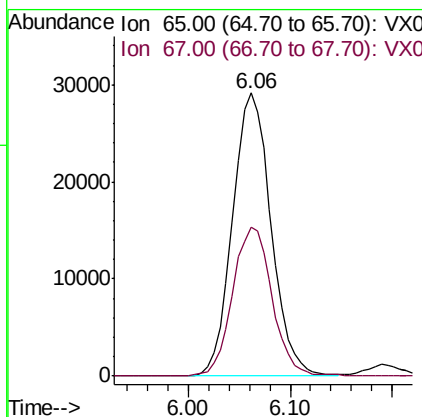
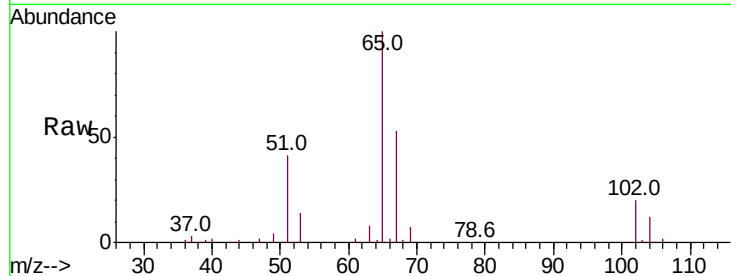
#27
 1,2-Dichloroethane-d4
 Concen: 29.610 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	43.1	64.7

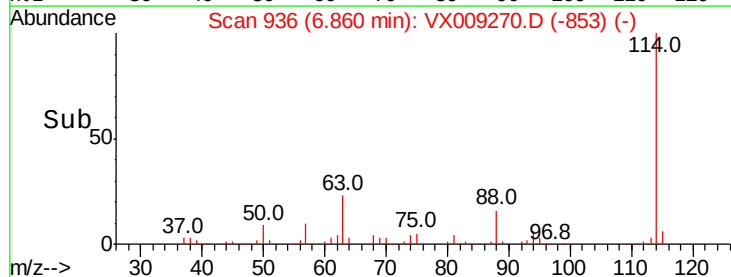
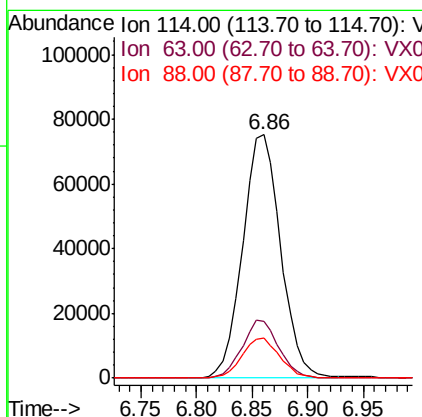
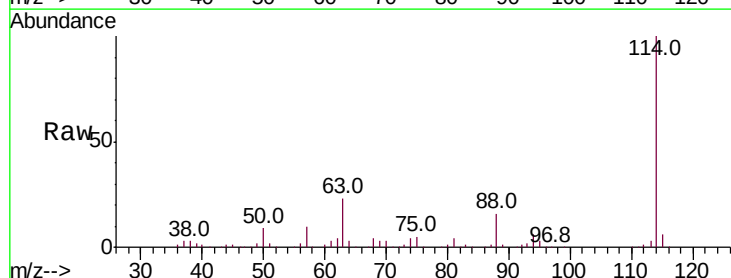
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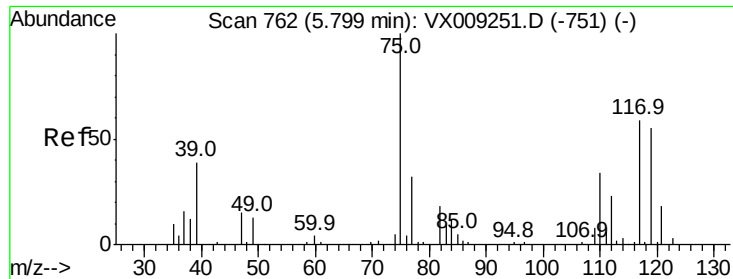
MMDadoda
 5/3/2019 11:19:49 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	18.0	27.0
88	16.2	13.4	20.0





#29

1,1-Dichloropropene

Concen: 21.034 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

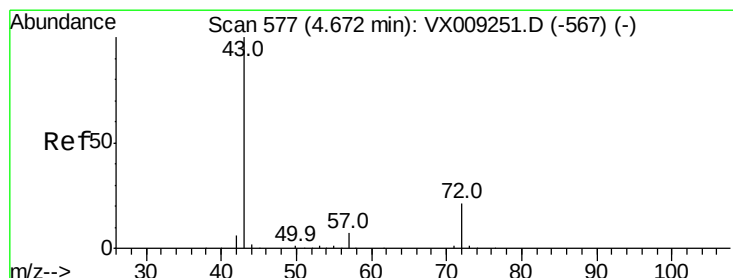
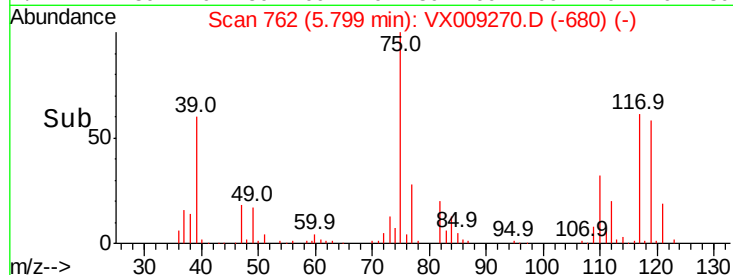
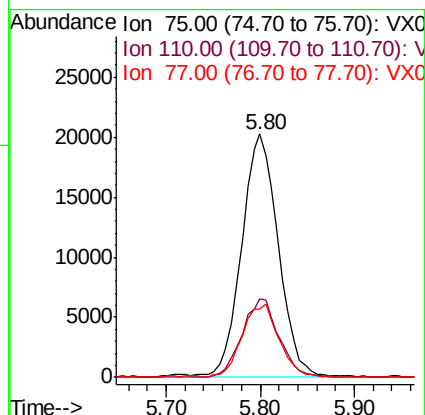
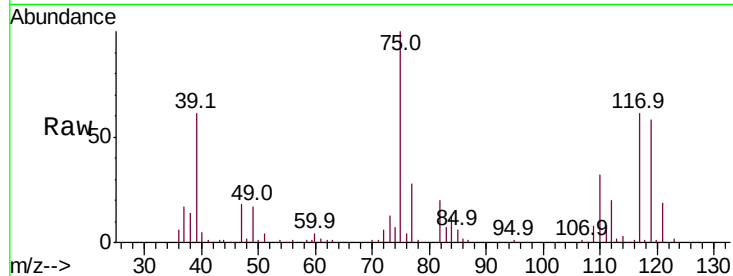
ClientSampled :

VX0502WBSD01

Tot Ion:	75	Resp:	55249
Ion Ratio	Lower	Upper	
75	100		
110	32.4	0.0	66.4
77	29.3	0.0	62.2

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#30

2-Butanone

Concen: 103.383 ug/l

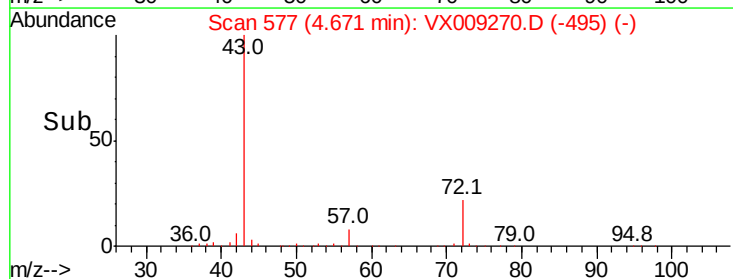
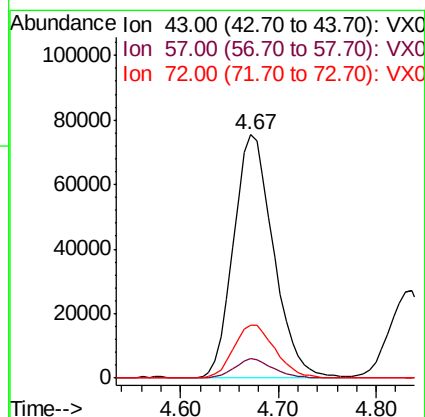
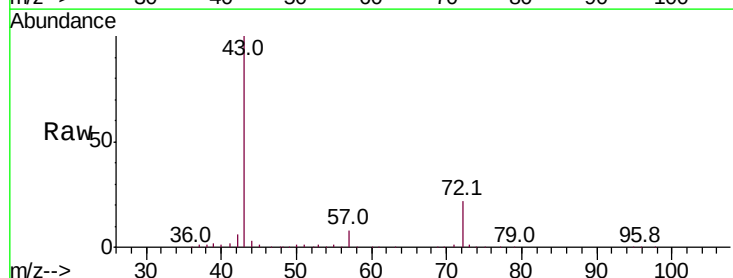
RT: 4.67 min Scan# 577

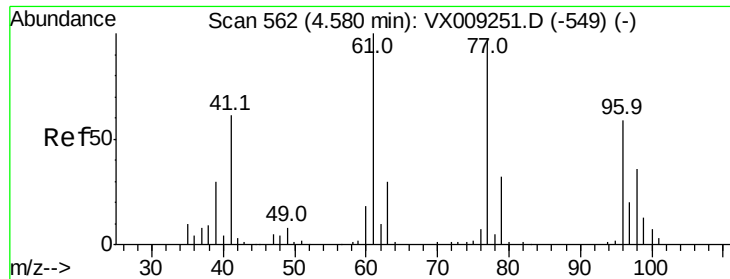
Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Tgt Ion:	43	Resp:	212661
Ion Ratio	Lower	Upper	
43	100		
57	7.8	6.0	9.0
72	22.8	18.2	27.4





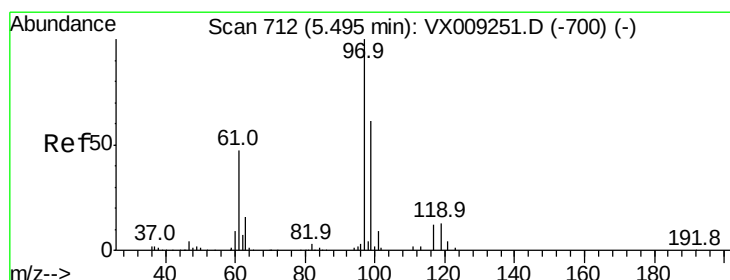
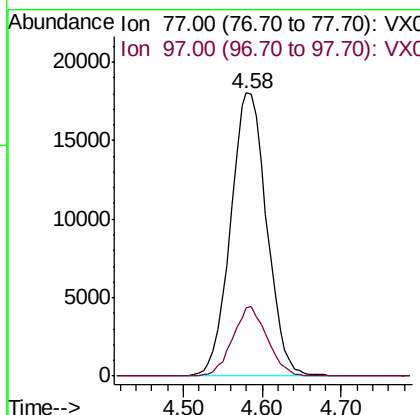
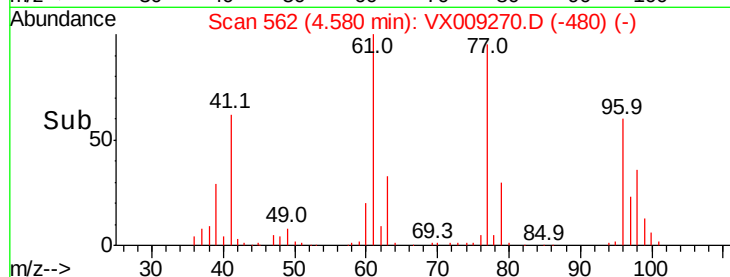
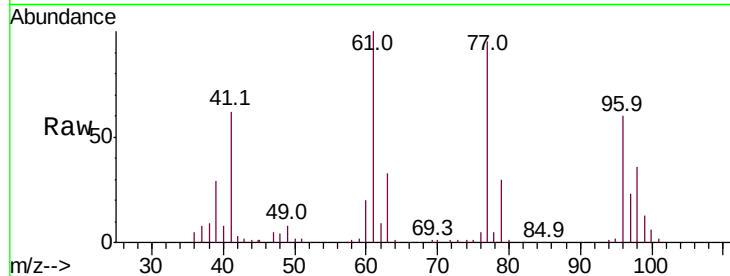
#31
 2,2-Dichloropropane
 Concen: 19.835 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion: 77 Resp: 57436
 Ion Ratio Lower Upper
 77 100
 97 23.5 18.3 27.5

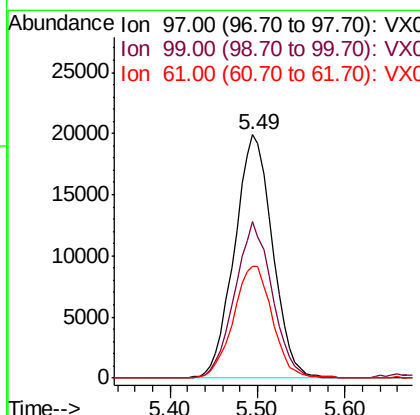
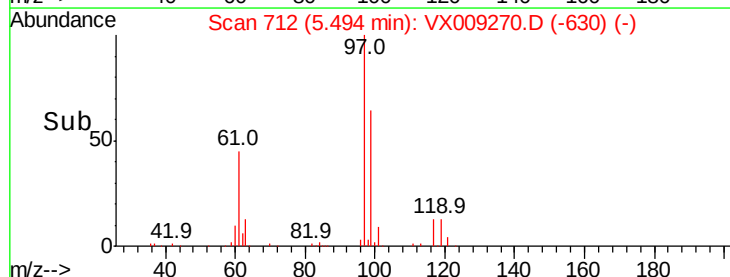
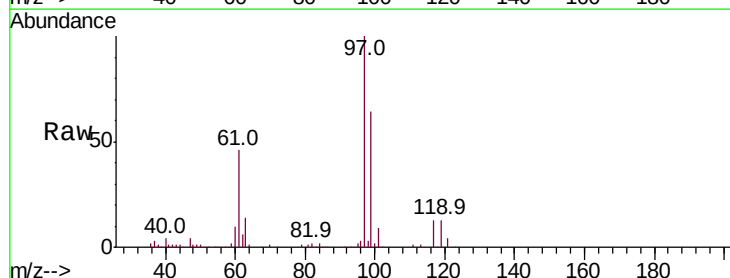
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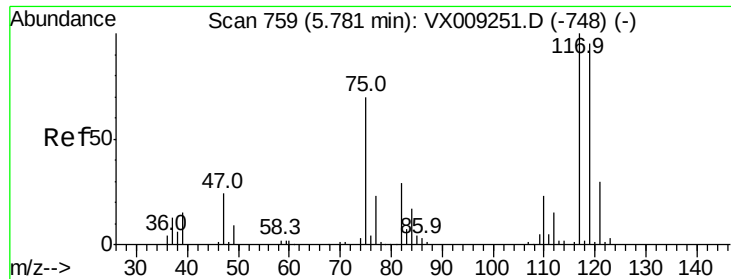
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#32
 1,1,1-Trichloroethane
 Concen: 21.095 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Tgt Ion: 97 Resp: 60066
 Ion Ratio Lower Upper
 97 100
 99 63.2 53.9 80.9
 61 47.6 38.6 58.0





#33

Carbon Tetrachloride

Concen: 20.347 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

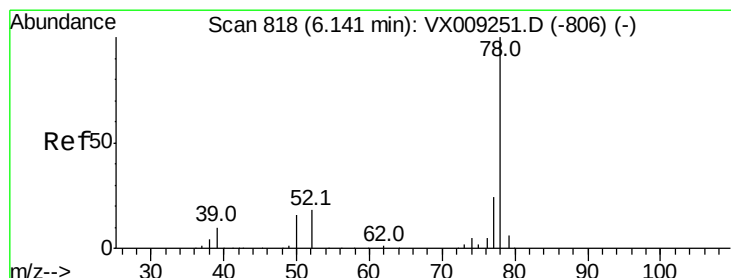
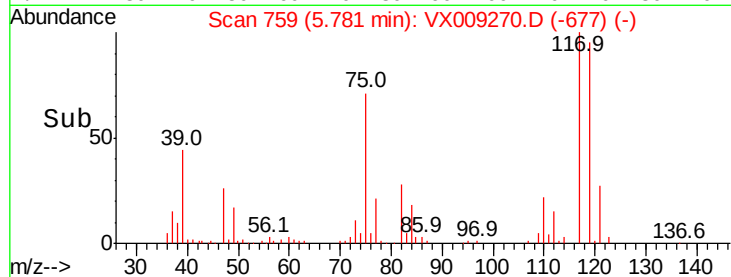
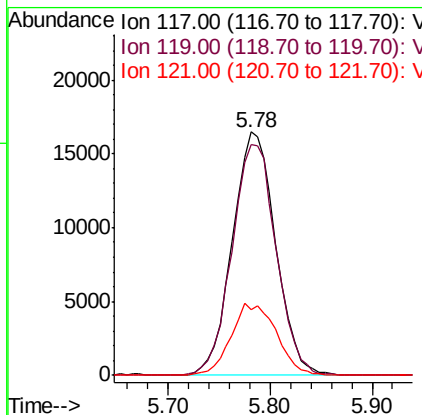
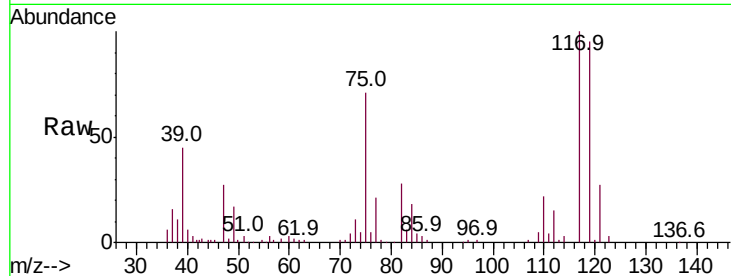
ClientSampled :

VX0502WBSD01

Tot Ion:117 Resp: 48476
 Ion Ratio Lower Upper
 117 100
 119 94.5 76.1 114.1
 121 27.1 24.4 36.6

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#34

Benzene

Concen: 20.953 ug/l

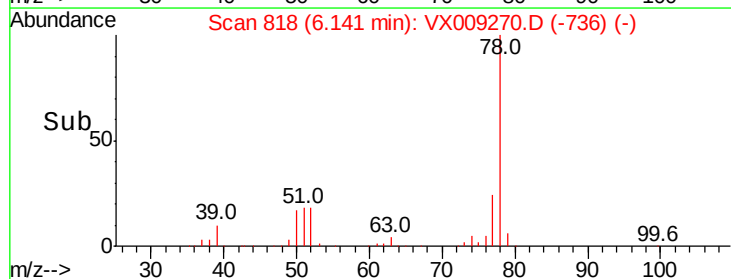
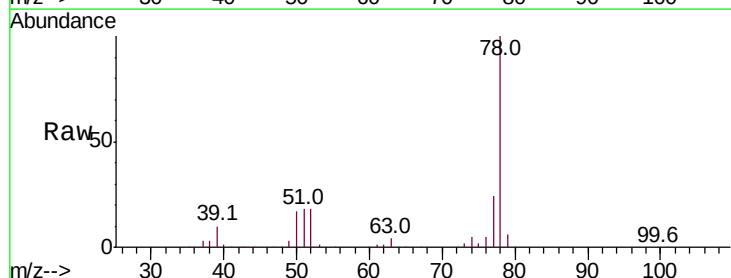
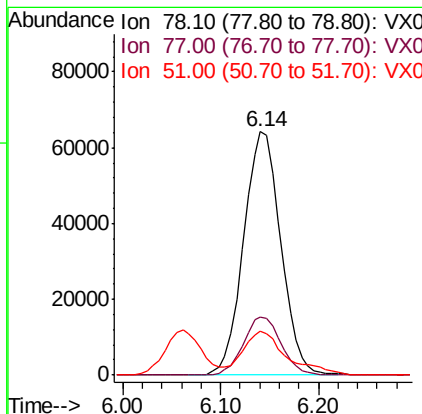
RT: 6.14 min Scan# 818

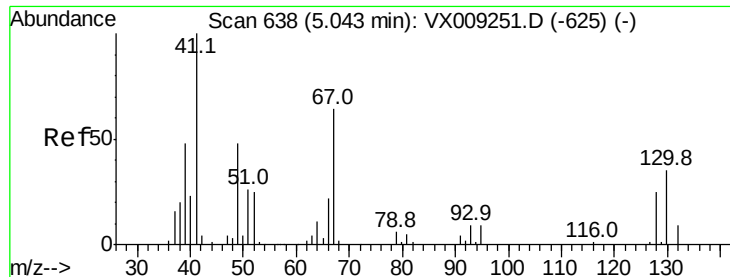
Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Tgt Ion: 78 Resp: 169669
 Ion Ratio Lower Upper
 78 100
 77 23.7 18.8 28.2
 51 17.1 13.5 20.3





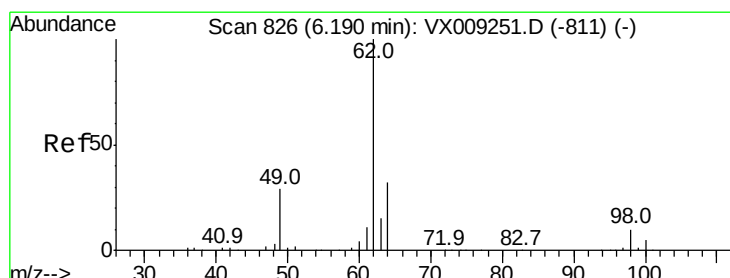
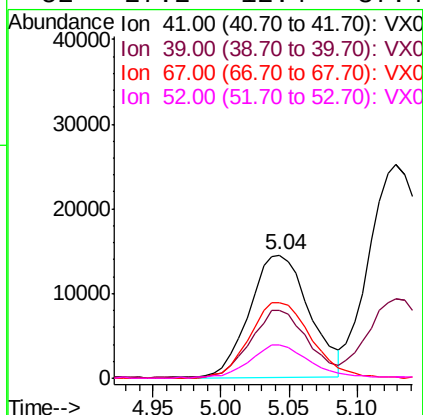
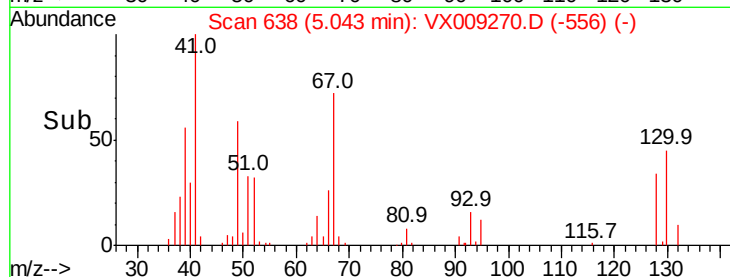
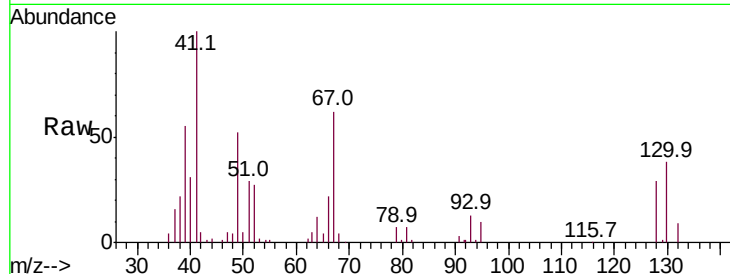
#35
Methacrylonitrile
Concen: 20.786 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.6	24.1	72.3
67	61.8	32.2	96.6
52	27.2	12.4	37.4

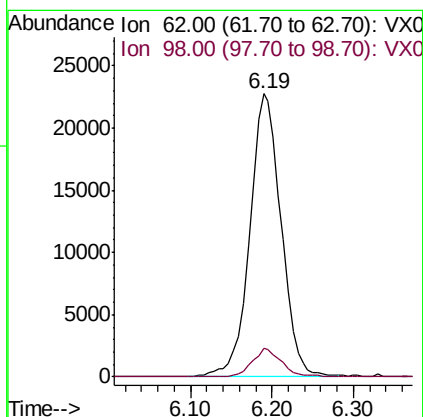
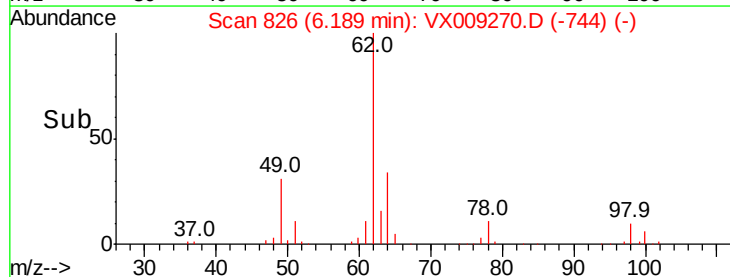
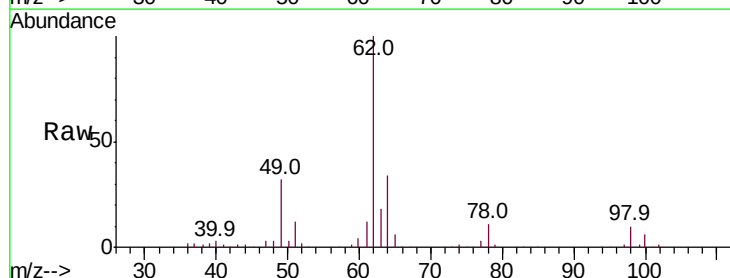
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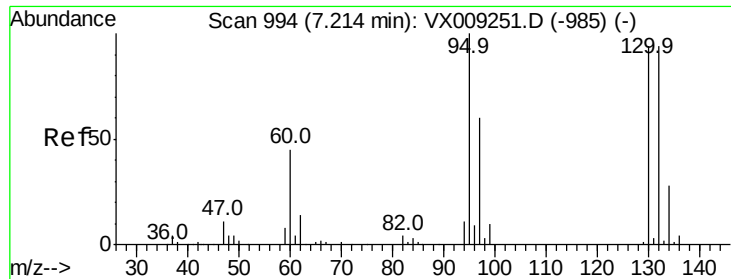
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#36
1,2-Dichloroethane
Concen: 20.760 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.4	11.2





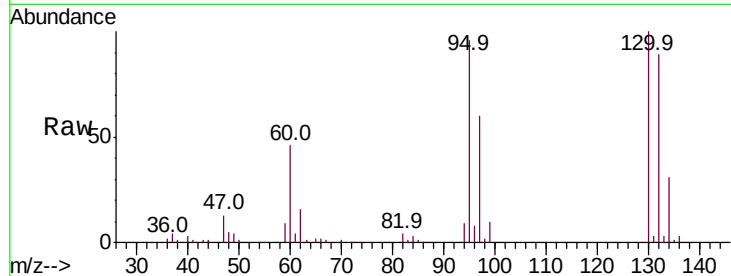
#37
 Trichloroethene
 Concen: 20.861 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

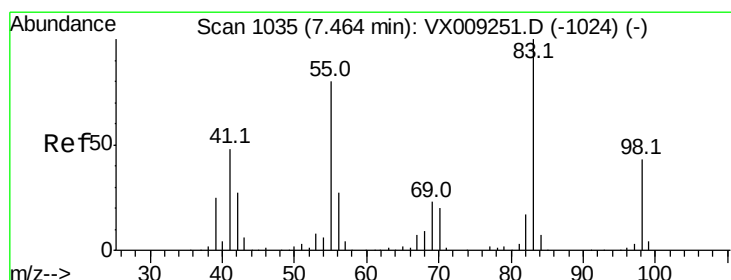
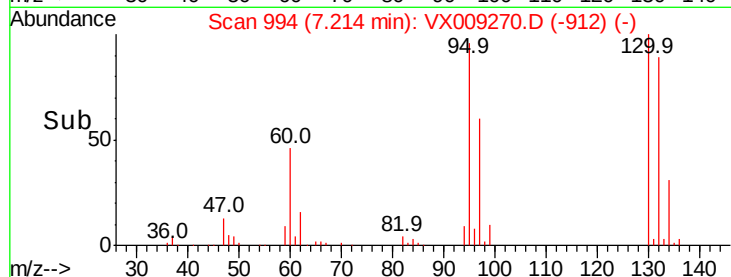
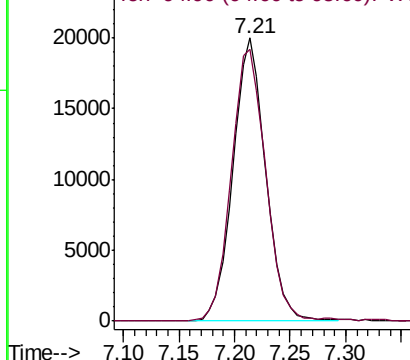
Tot Ion:130 Resp: 40664
 Ion Ratio Lower Upper
 130 100
 95 95.8 85.0 127.4

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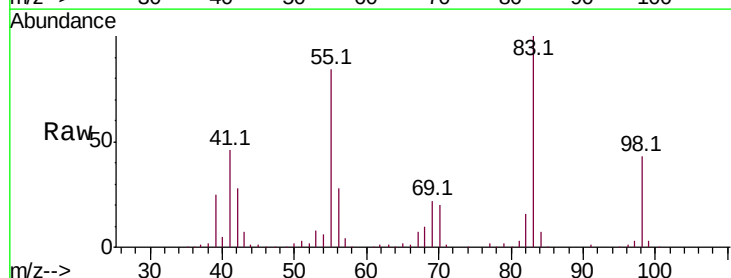


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

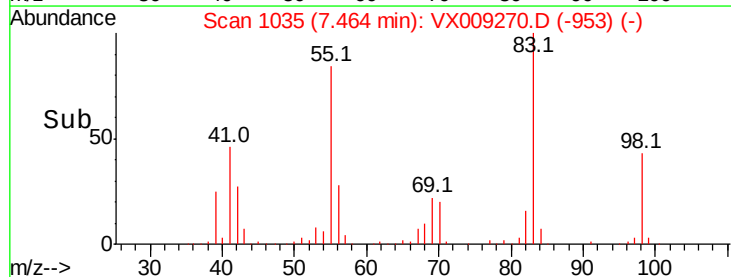
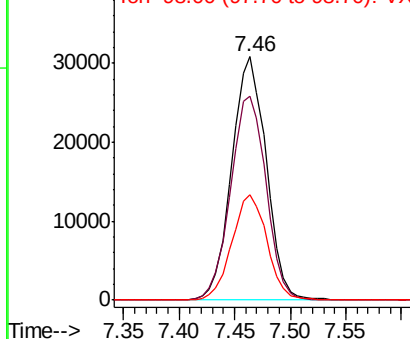


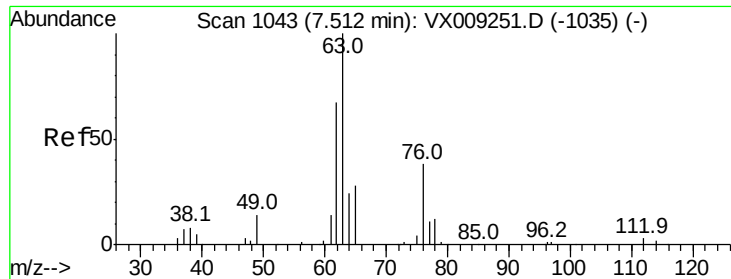
#38
 Methylcyclohexane
 Concen: 20.505 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Tgt Ion: 83 Resp: 66541
 Ion Ratio Lower Upper
 83 100
 55 86.0 43.0 129.2
 98 43.6 22.1 66.1



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





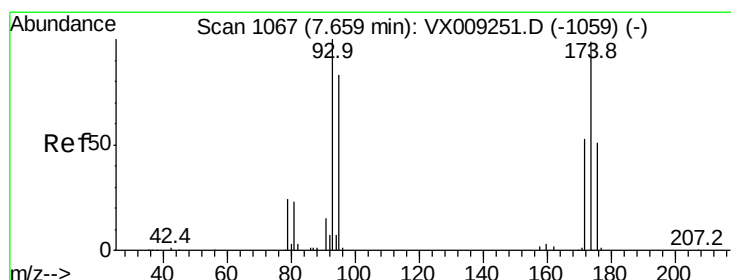
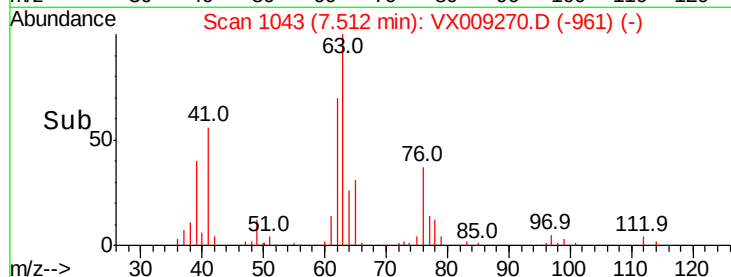
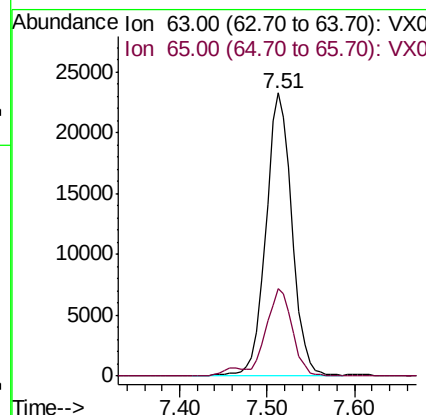
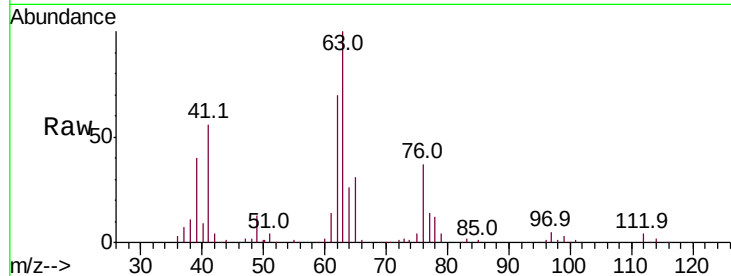
#39
 1,2-Dichloropropane
 Concen: 21.041 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0502WBSD01

Tot Ion: 63 Resp: 48521
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.0 36.0

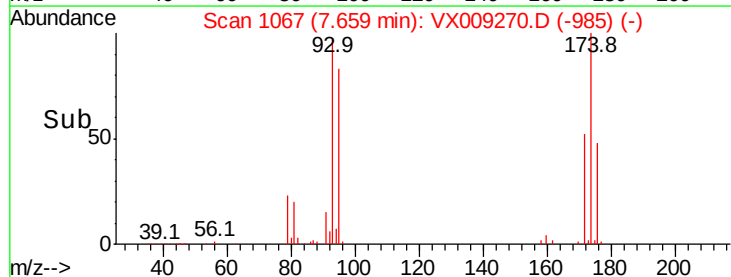
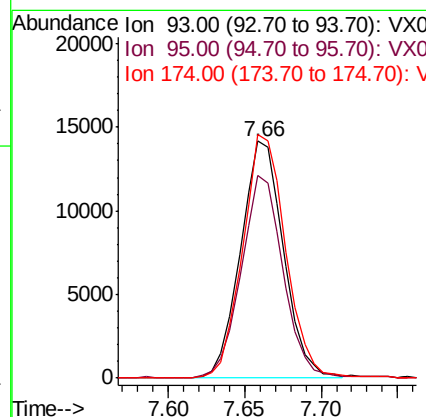
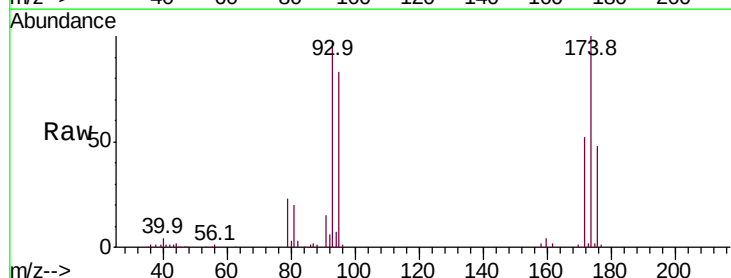
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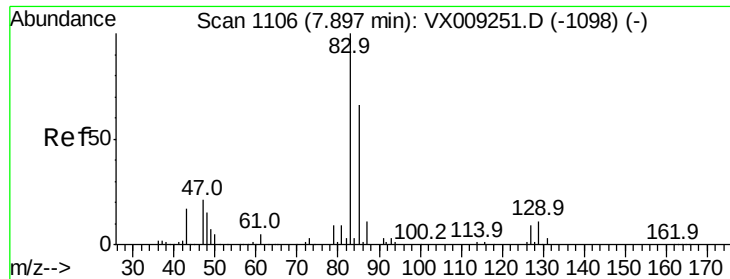
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#40
 Dibromomethane
 Concen: 21.066 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Tgt Ion: 93 Resp: 27571
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 167.2
 174 102.5 0.0 203.4





#41

Bromodichloromethane

Concen: 20.777 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

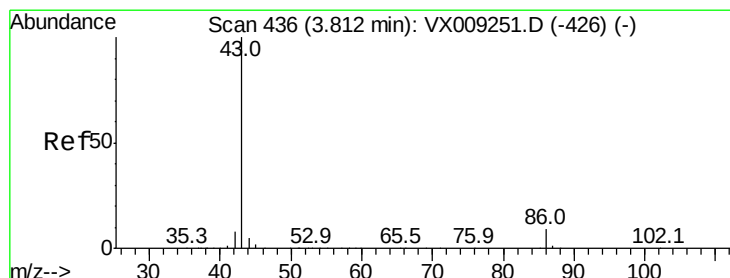
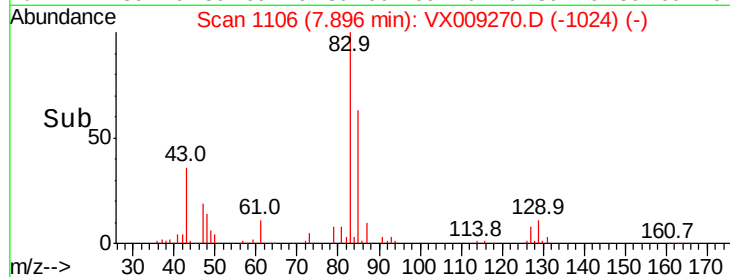
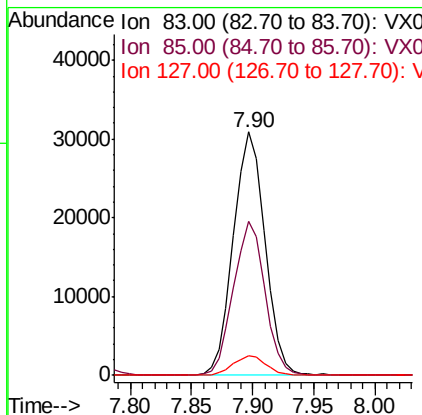
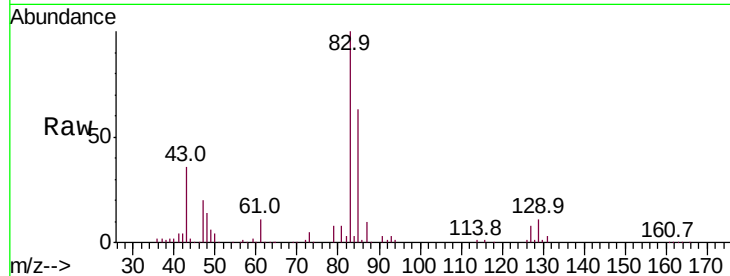
ClientSampleId :

VX0502WBSD01

Tot Ion:	83	Resp:	55545
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	79.0
127	8.1	6.9	10.3

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#42

Vinyl Acetate

Concen: 105.085 ug/l

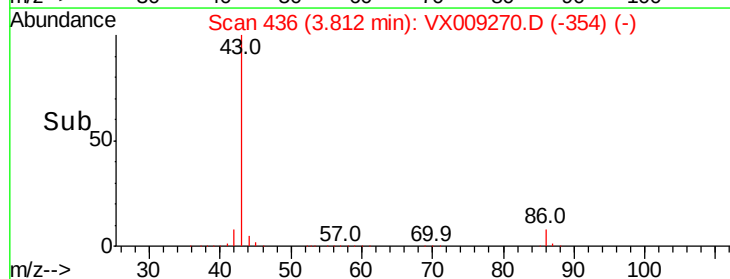
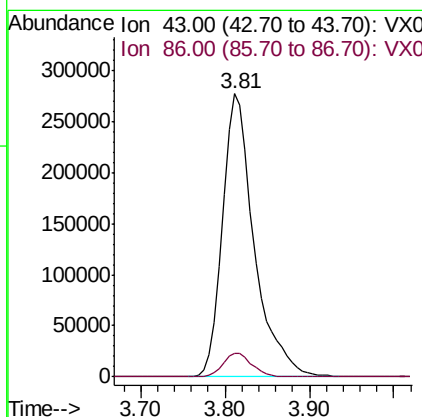
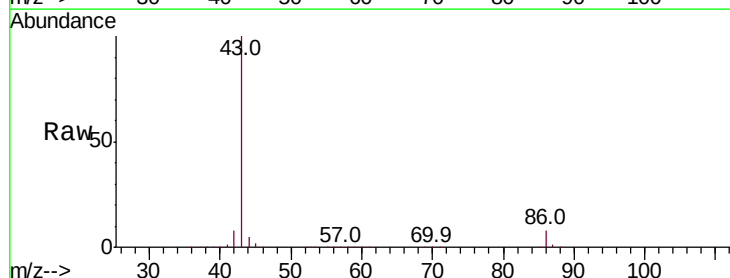
RT: 3.81 min Scan# 436

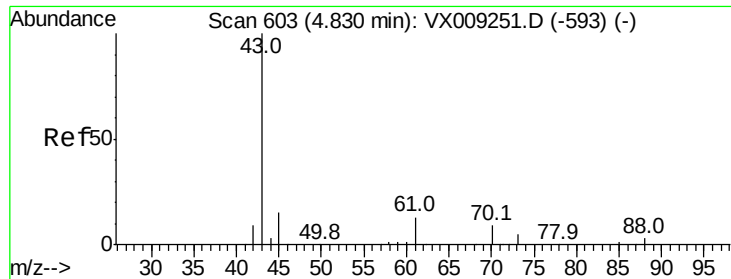
Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Tgt Ion:	43	Resp:	713434
Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.0	9.0





#43

Ethyl Acetate

Concen: 21.515 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 43 Resp: 79971

Ion Ratio Lower Upper

43 100

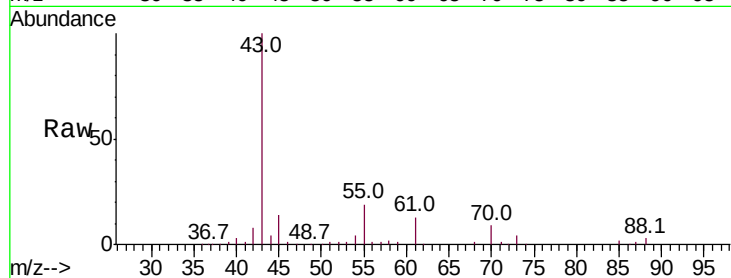
45 15.6 11.8 17.8

Manual Integrations

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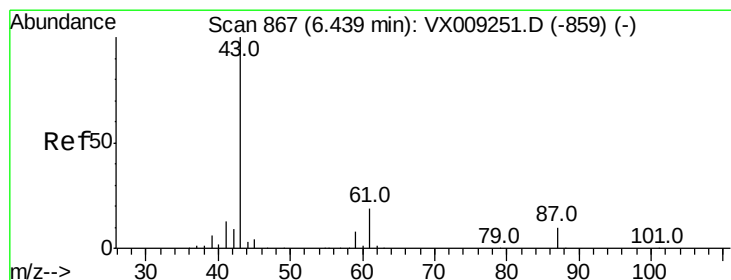
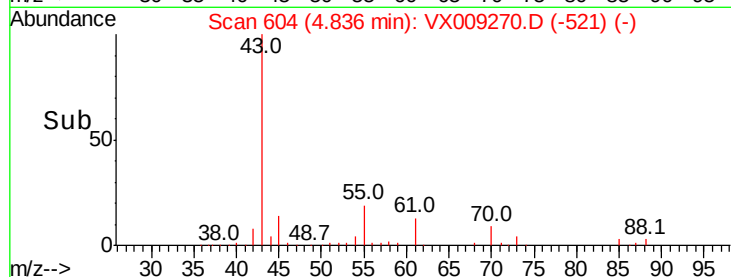
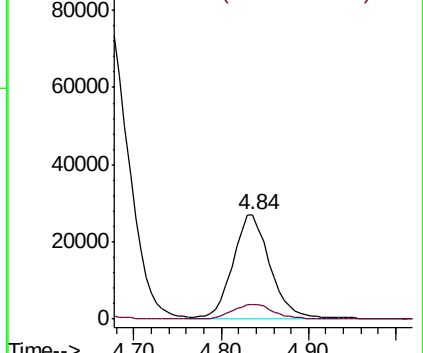
MMDadoda

5/3/2019 11:19:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 20.613 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.01 min

Lab File: VX009270.D

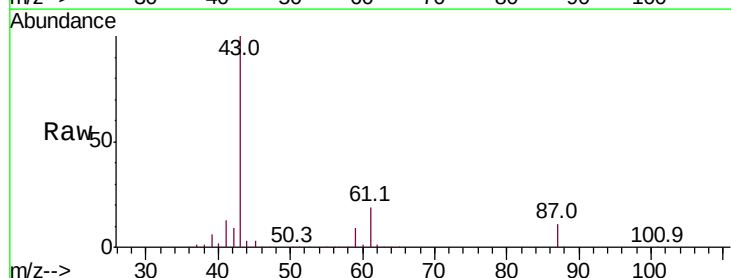
Acq: 02 May 2019 12:14

Tgt Ion: 43 Resp: 124123

Ion Ratio Lower Upper

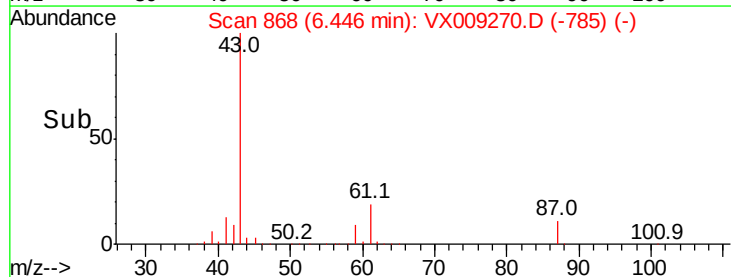
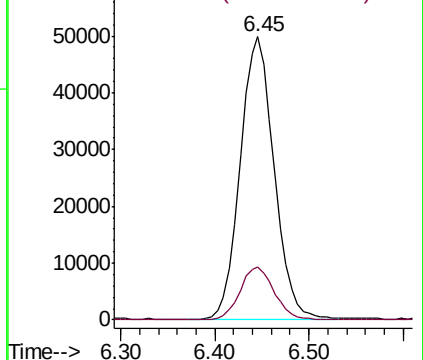
43 100

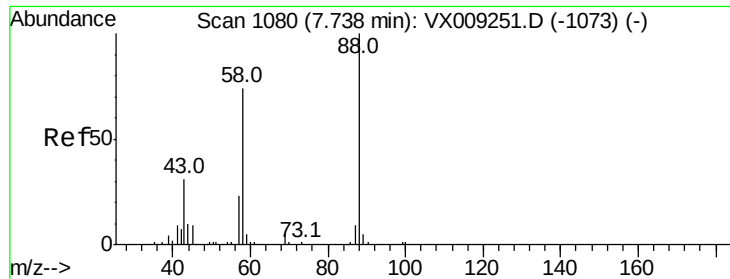
61 18.9 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





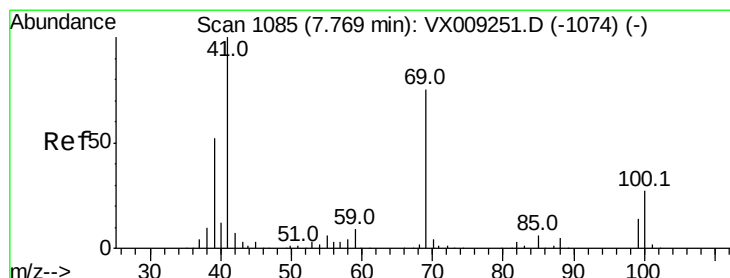
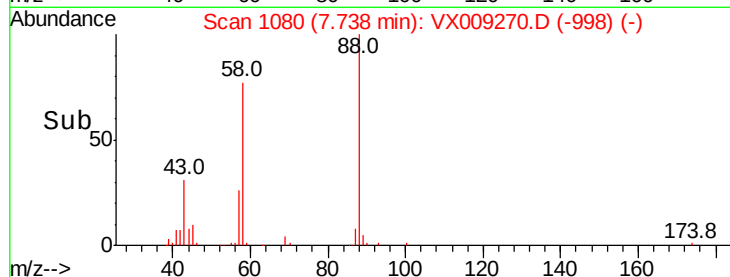
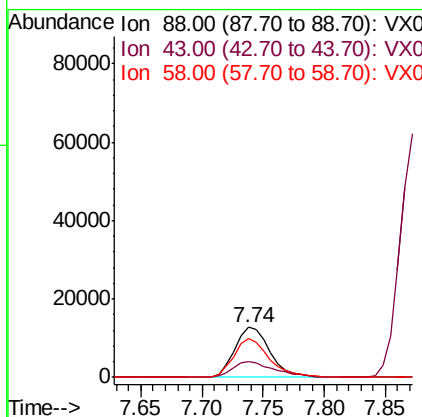
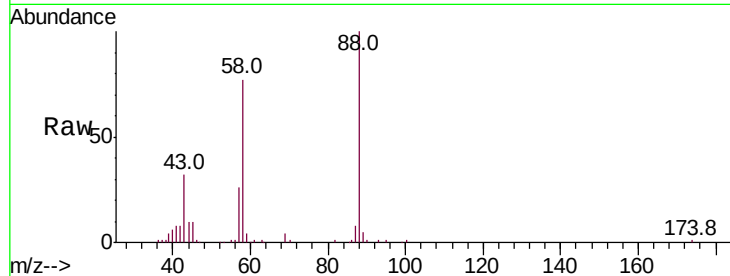
#45
 1,4-Dioxane
 Concen: 430.607 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	28.5	42.7
58	77.9	62.5	93.7

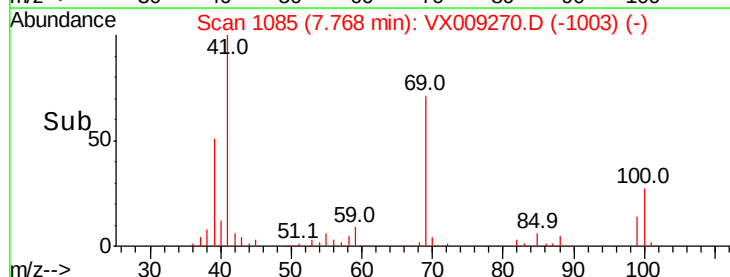
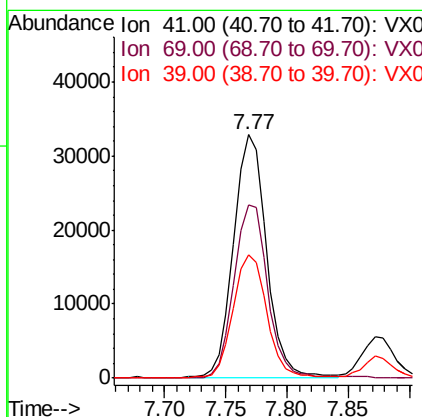
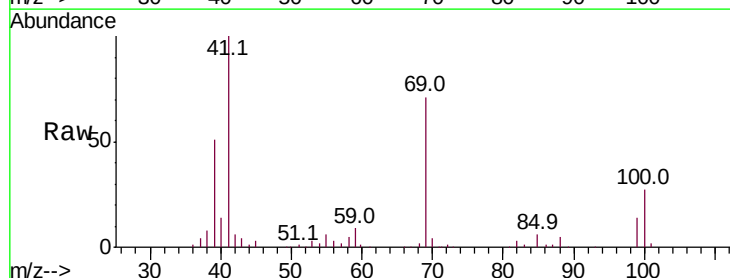
Manual Integrations
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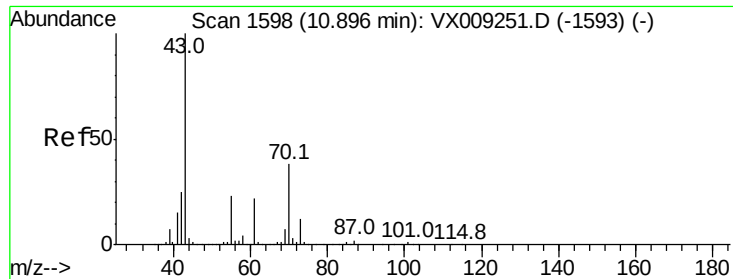
MMDadoda
 5/3/2019 11:19:49 AM



#46
 Methyl methacrylate
 Concen: 20.365 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.4	37.6	112.8
39	50.7	25.8	77.3





#47

n-amvl Acetate

Concen: 20.192 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampled :

VX0502WBSD01

Tot Ion: 43 Resp: 109529

Ion Ratio Lower Upper

43 100

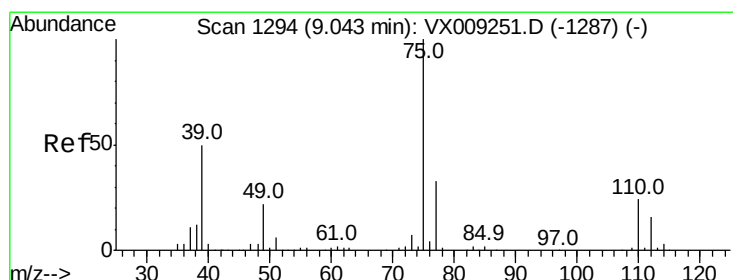
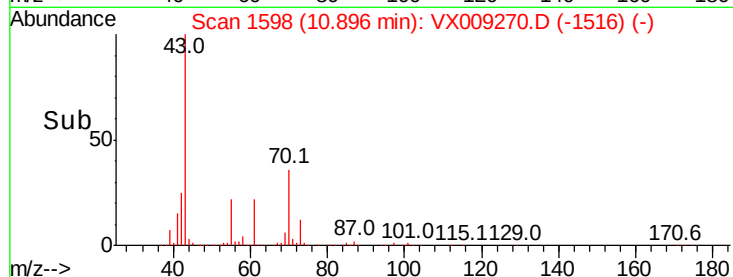
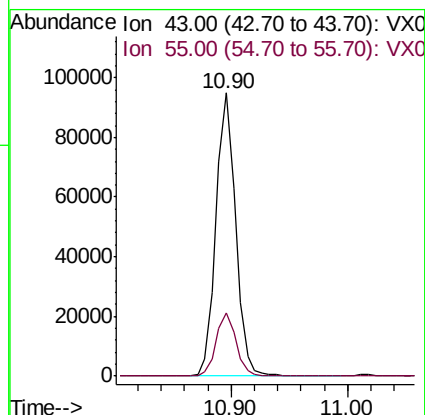
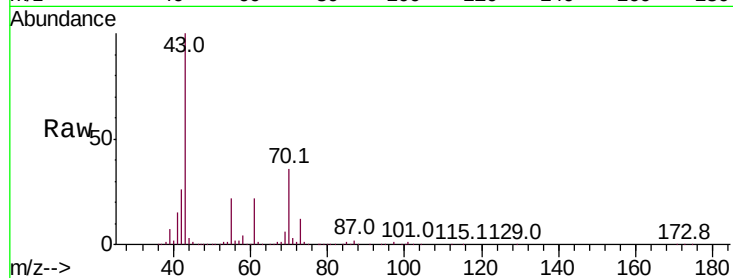
55 22.5 18.2 27.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 19.819 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009270.D

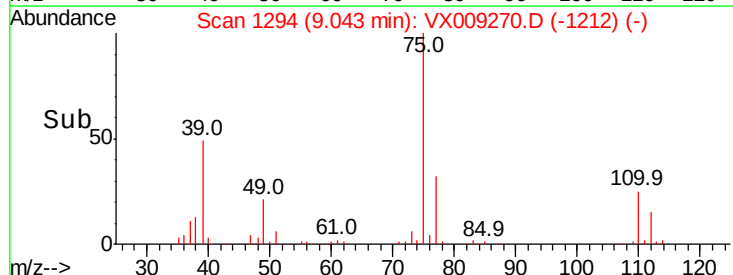
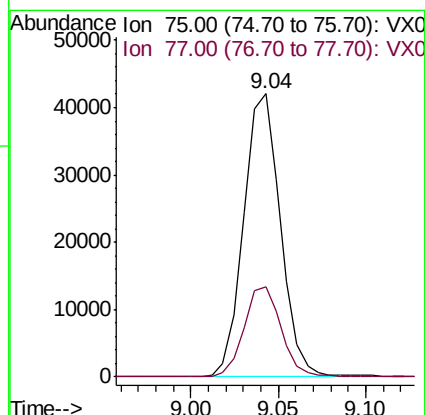
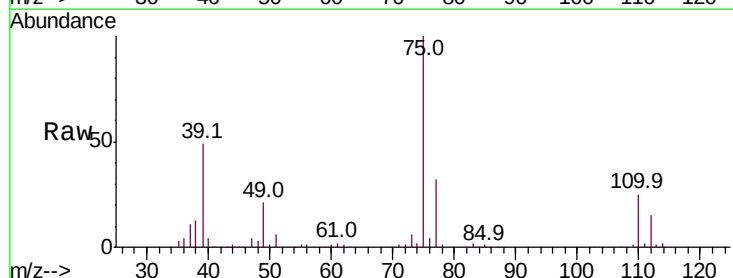
Acq: 02 May 2019 12:14

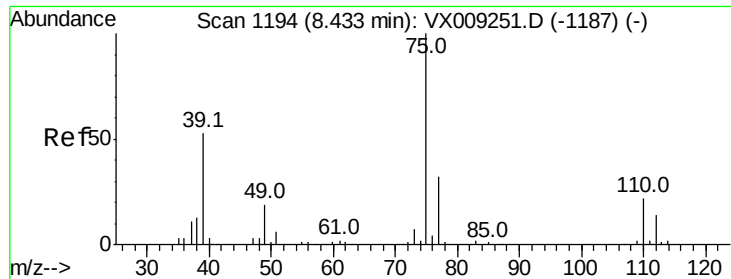
Tgt Ion: 75 Resp: 61823

Ion Ratio Lower Upper

75 100

77 31.9 26.5 39.7





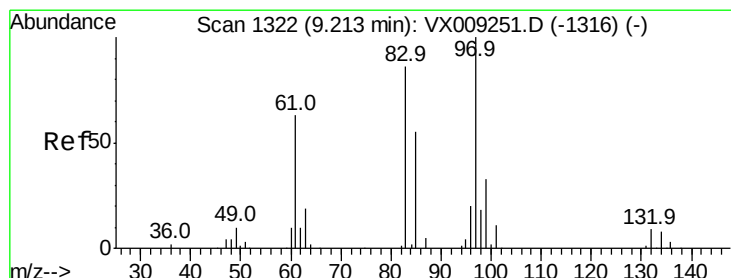
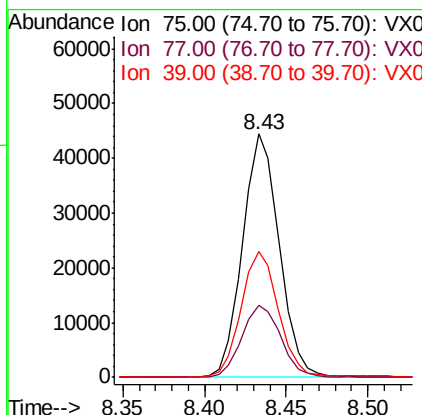
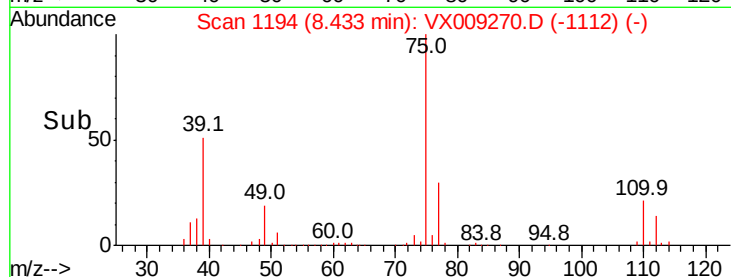
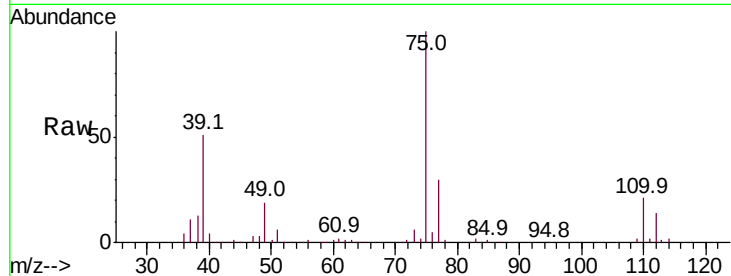
#49
 cis-1,3-Dichloropropene
 Concen: 20.391 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.0	39.0
39	51.2	42.6	63.8

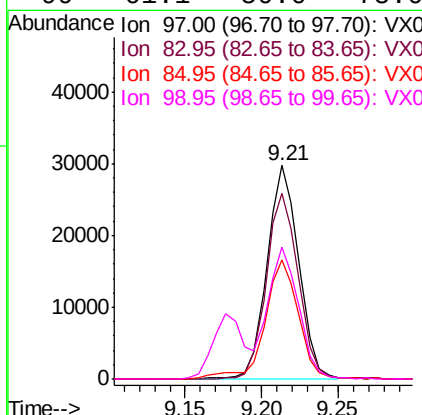
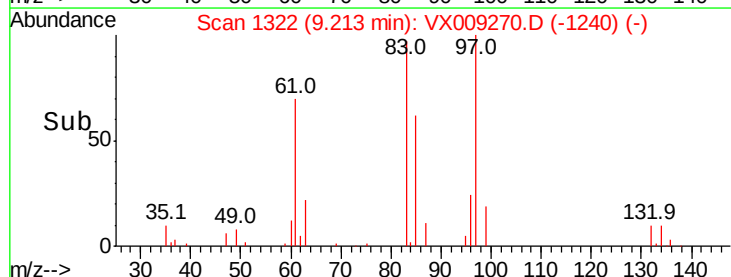
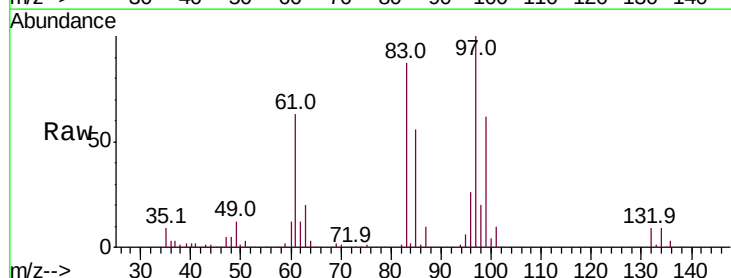
Manual Integrations
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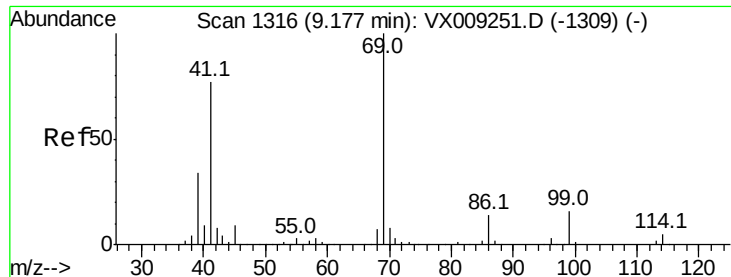
MMDadoda
 5/3/2019 11:19:49 AM



#50
 1,1,2-Trichloroethane
 Concen: 21.410 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	68.8	103.2
85	55.8	45.8	68.6
99	61.1	50.0	75.0





#51

Ethyl methacrylate

Concen: 20.277 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

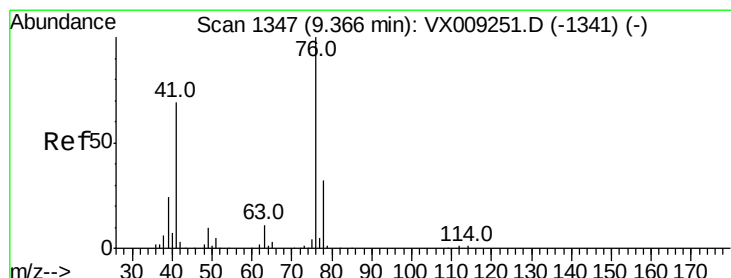
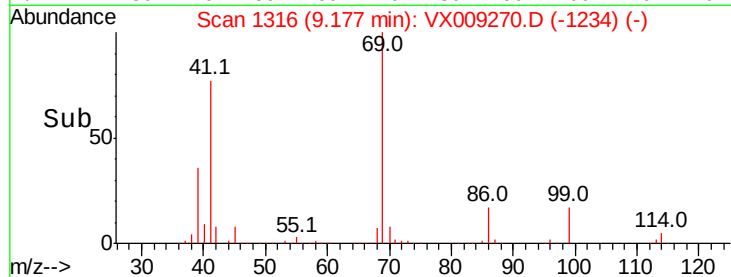
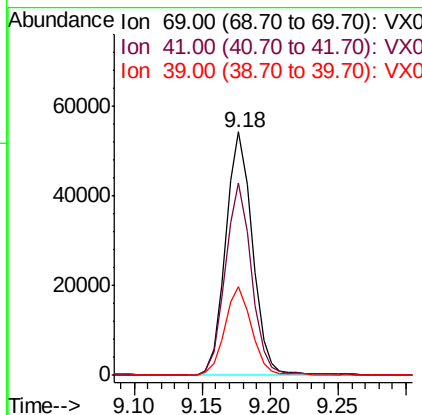
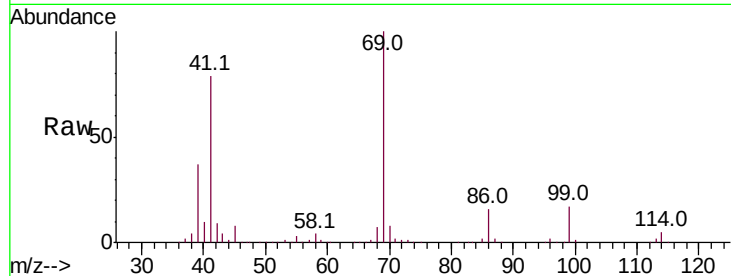
ClientSampled :

VX0502WBSD01

Tot Ion:	69	Resp:	75138
Ion Ratio	Lower	Upper	
69	100		
41	78.6	38.4	115.2
39	36.3	17.2	51.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.000 ug/l

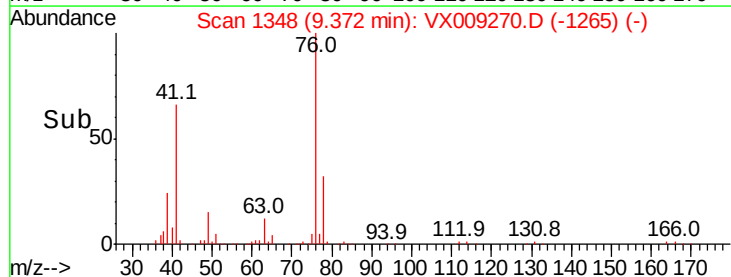
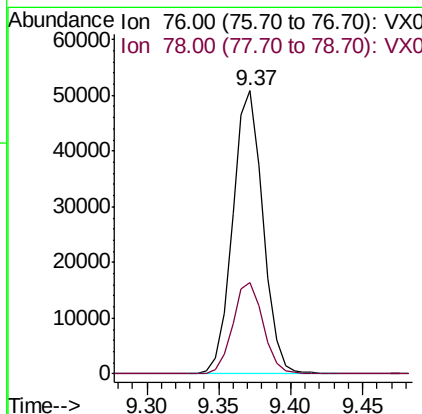
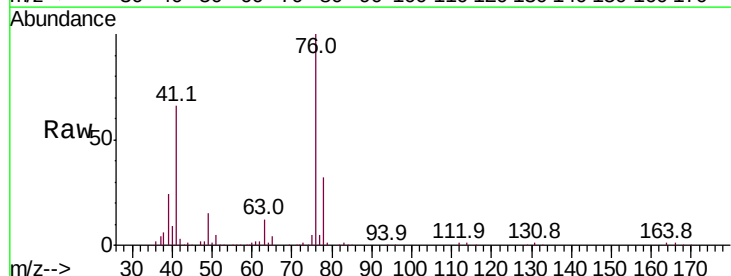
RT: 9.37 min Scan# 1348

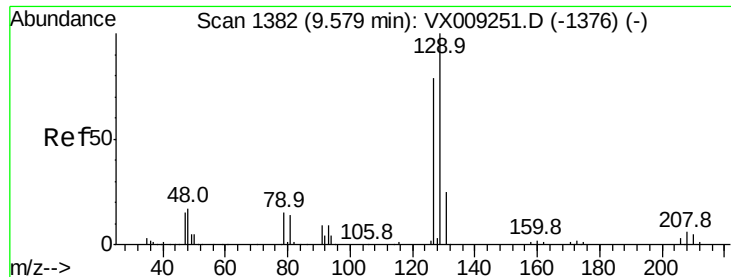
Delta R.T. 0.01 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Tgt Ion:	76	Resp:	74735
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	64.2





#53

Dibromochloromethane

Concen: 20.541 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion:129 Resp: 41020

Ion Ratio Lower Upper

129 100

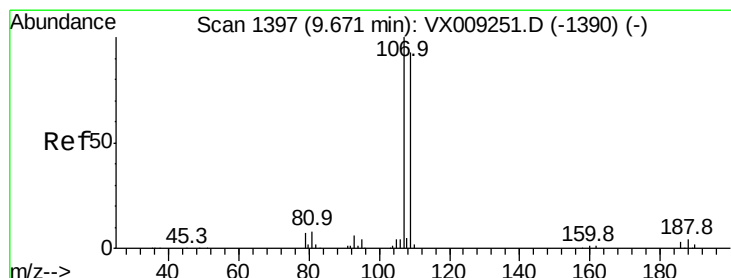
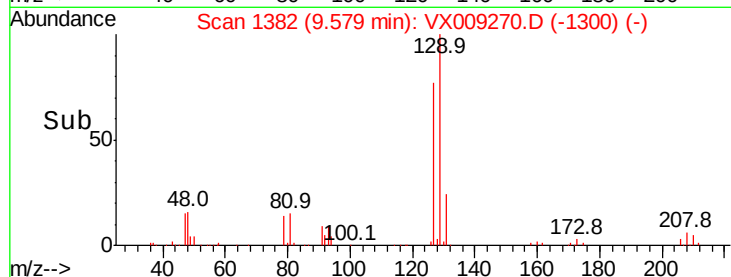
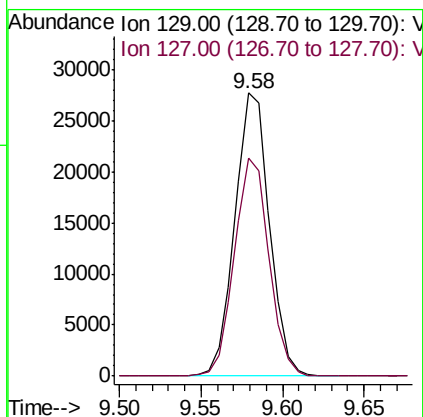
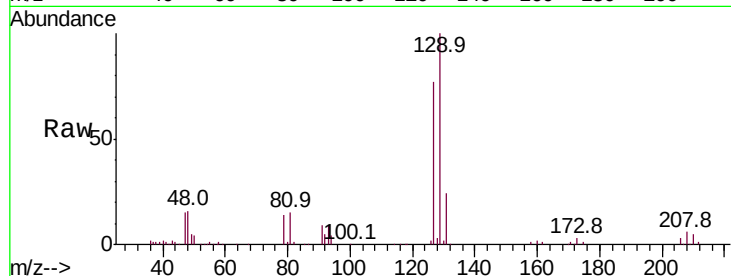
127 76.9 39.1 117.5

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#54

1,2-Dibromoethane

Concen: 20.954 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009270.D

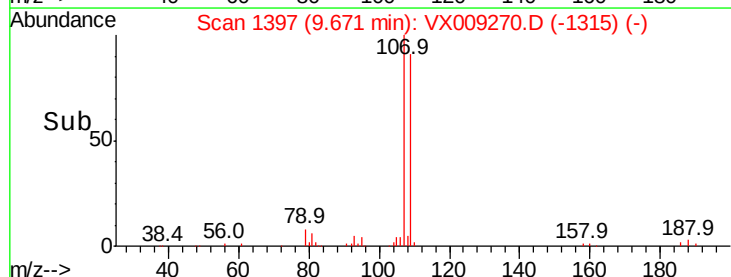
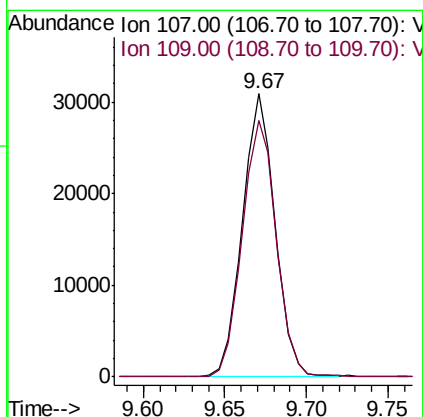
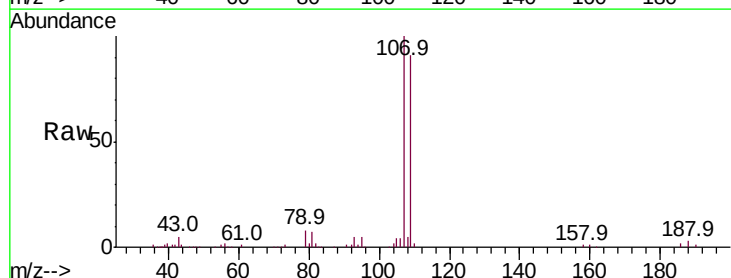
Acq: 02 May 2019 12:14

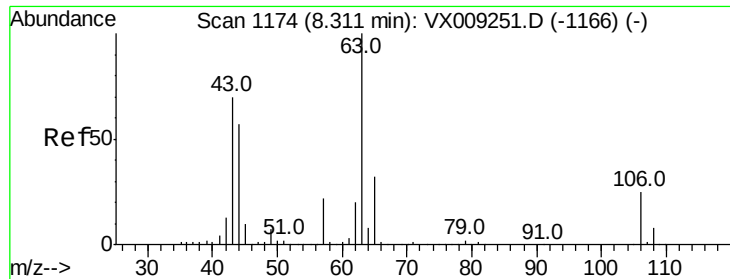
Tgt Ion:107 Resp: 43092

Ion Ratio Lower Upper

107 100

109 93.7 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 100.264 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

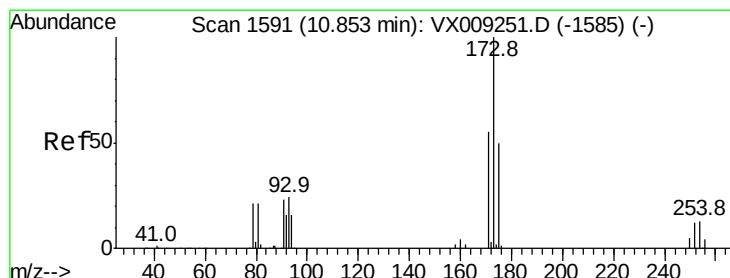
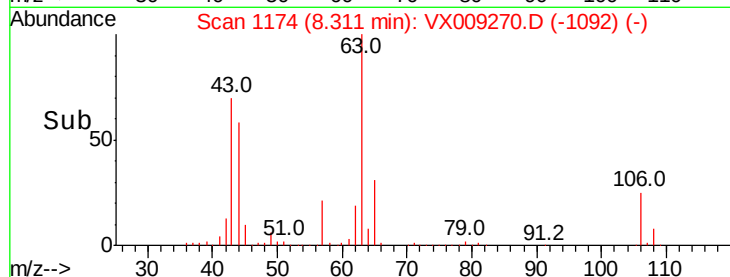
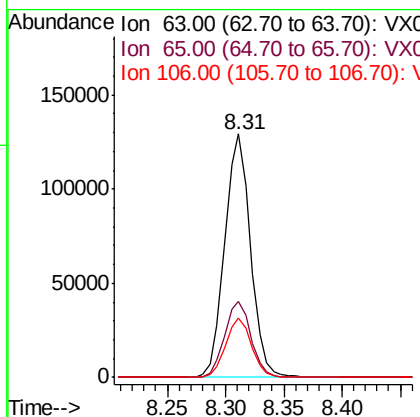
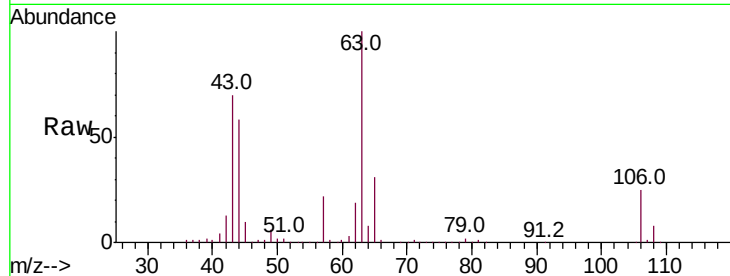
ClientSampled :

VX0502WBSD01

Tot Ion:	63	Resp:	197979
Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.8	38.6
106	24.5	19.8	29.6

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#56

Bromoform

Concen: 19.458 ug/l

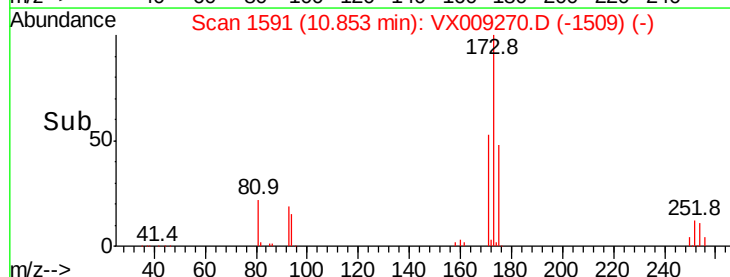
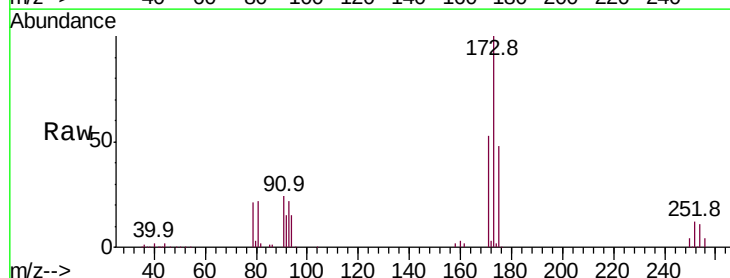
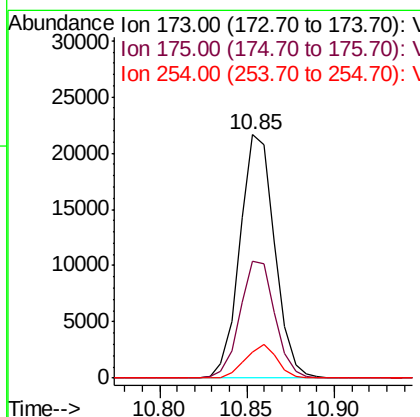
RT: 10.85 min Scan# 1591

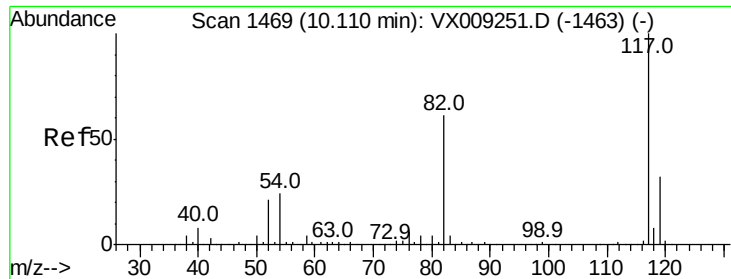
Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Tgt Ion:	173	Resp:	29828
Ion	Ratio	Lower	Upper
173	100		
175	48.2	39.4	59.2
254	12.6	9.9	14.9





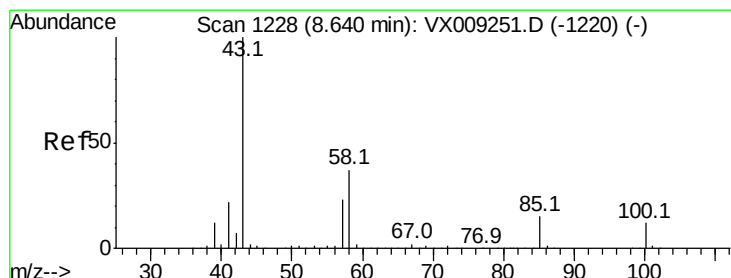
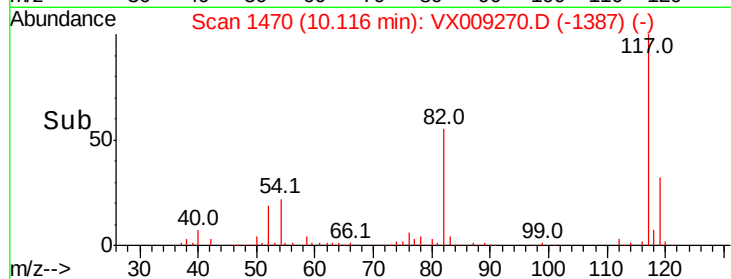
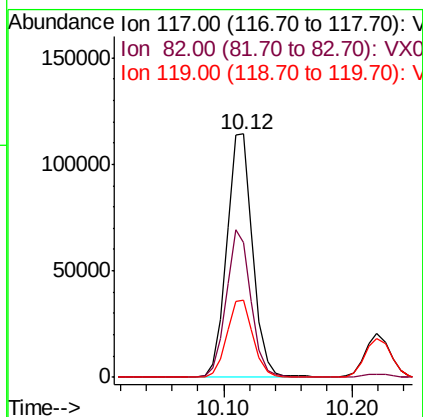
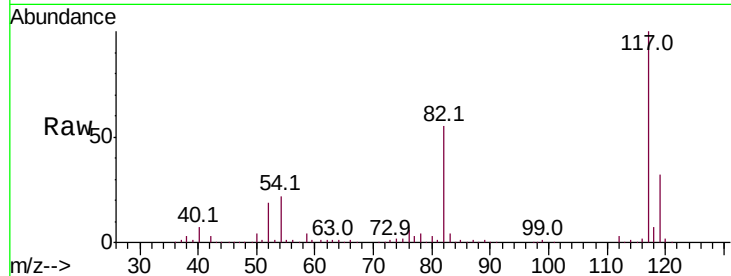
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.8
119	31.9	25.6	38.4

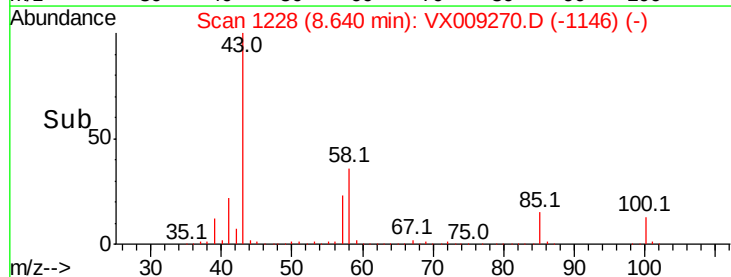
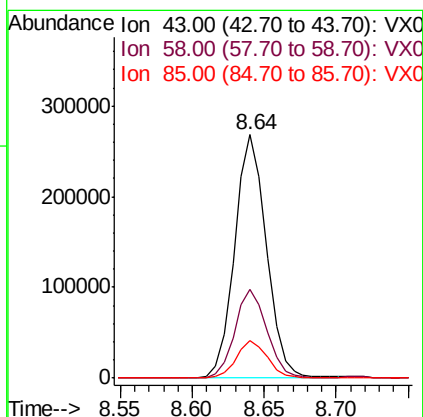
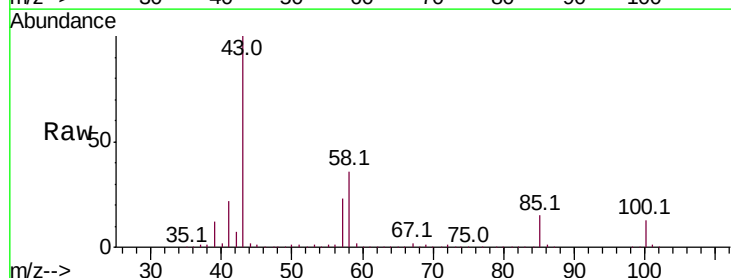
Manual Integrations
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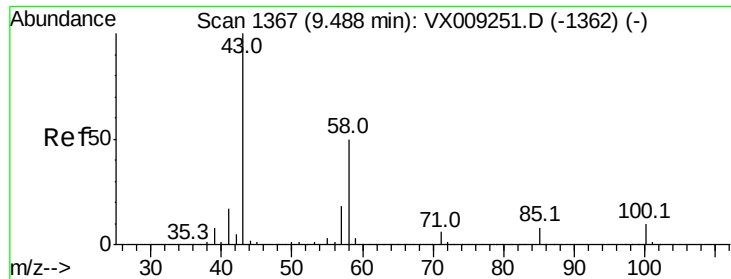
MMDadoda
5/3/2019 11:19:49 AM



#58
4-Methyl-2-Pentanone
Concen: 103.582 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.4	44.0
85	15.0	11.8	17.8





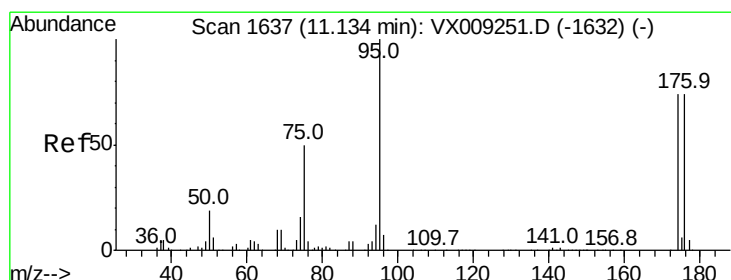
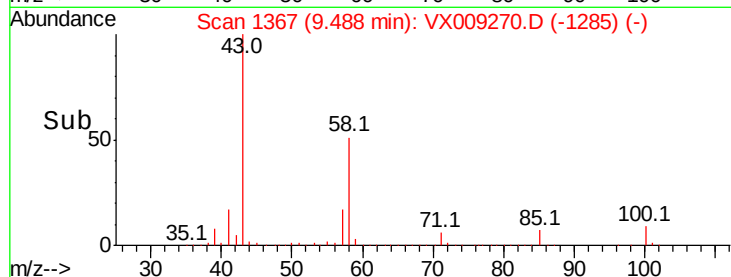
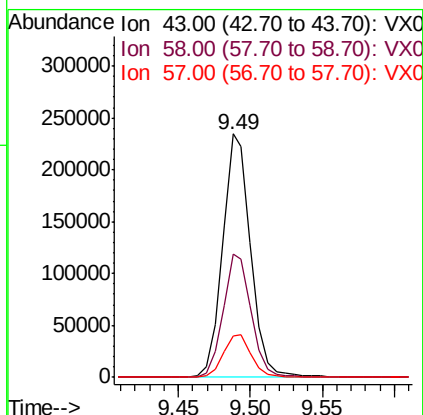
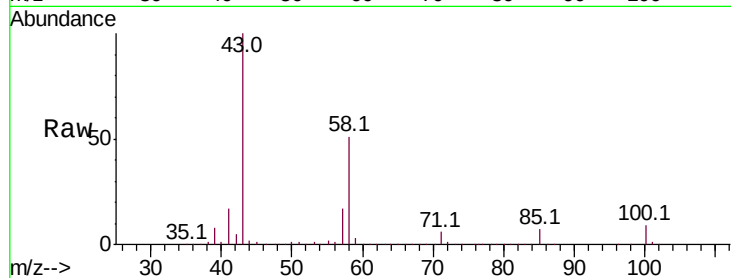
#59
2-Hexanone
Concen: 102.807 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Instrument :
MSVOA_X
ClientSampled :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.8	61.2
57	17.6	14.1	21.1

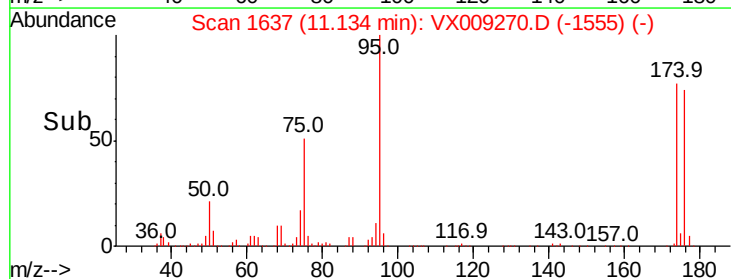
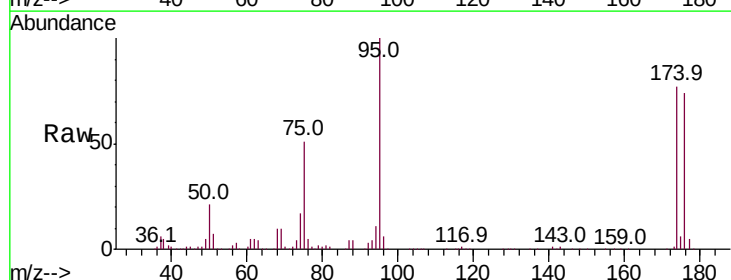
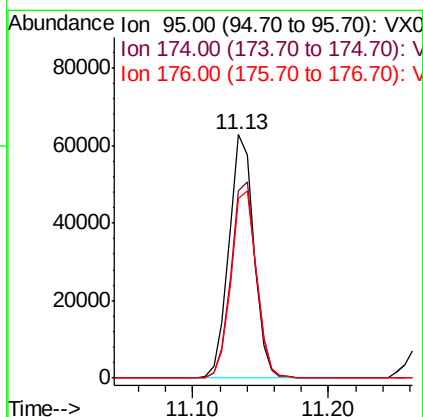
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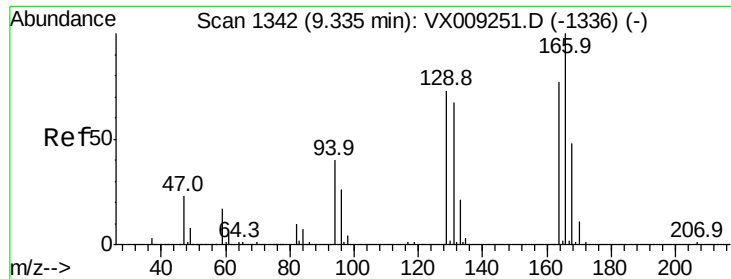
MMDadoda
5/3/2019 11:19:49 AM



#60
4-Bromofluorobenzene
Concen: 29.286 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.1	63.6	95.4
176	78.4	62.4	93.6





#61

Tetrachloroethene

Concen: 21.089 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion:164 Resp: 37512

Ion Ratio Lower Upper

164 100

166 128.7 104.1 156.1

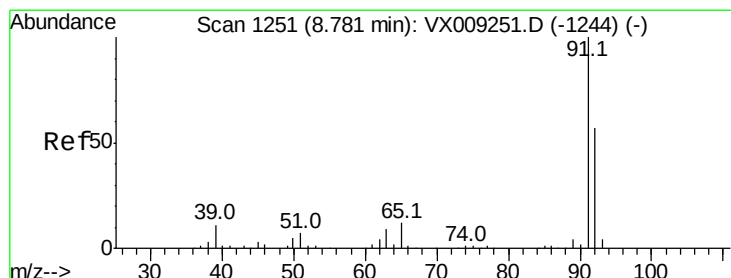
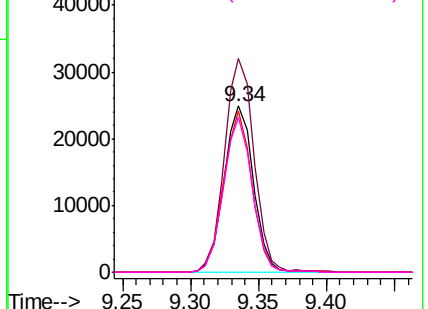
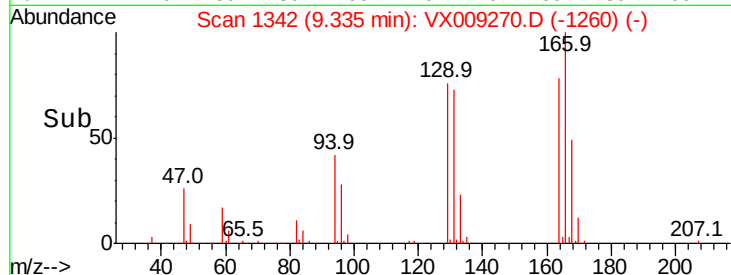
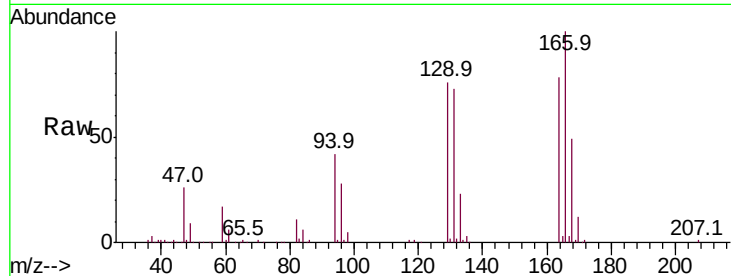
129 96.9 76.0 114.0

131 93.3 70.1 105.1

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#62

Toluene

Concen: 20.700 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009270.D

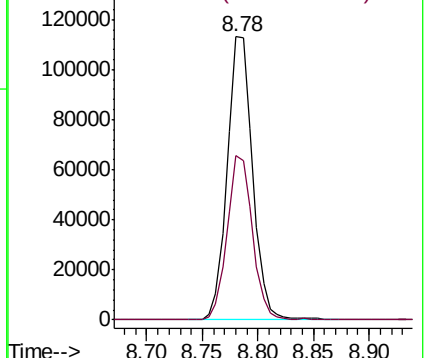
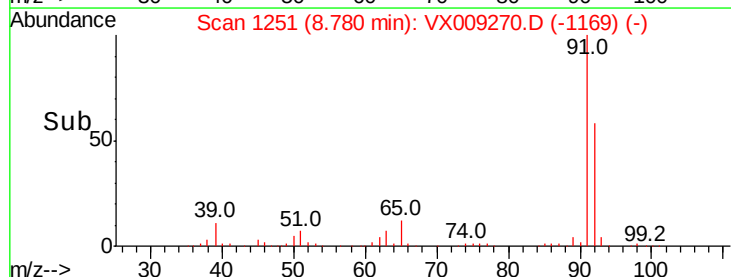
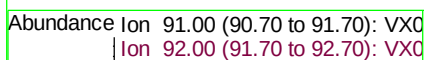
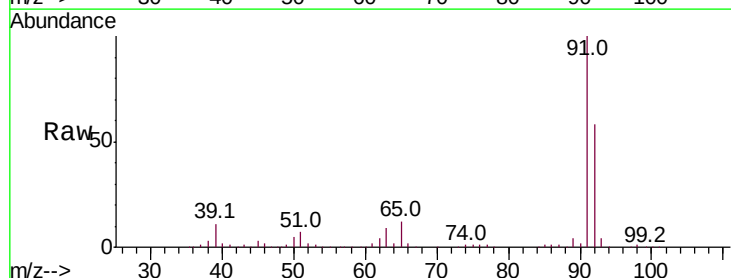
Acq: 02 May 2019 12:14

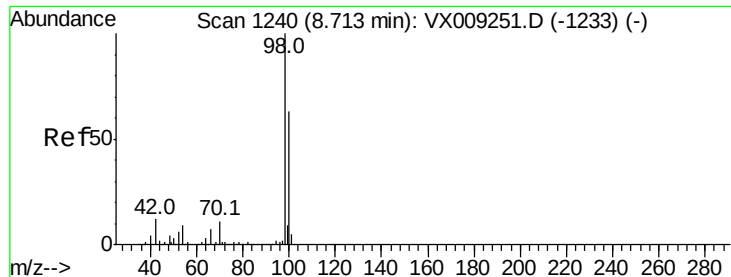
Tgt Ion: 91 Resp: 178470

Ion Ratio Lower Upper

91 100

92 57.6 46.1 69.1





#63

Toluene-d8

Concen: 29.876 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 98 Resp: 228542

Ion Ratio Lower Upper

98 100

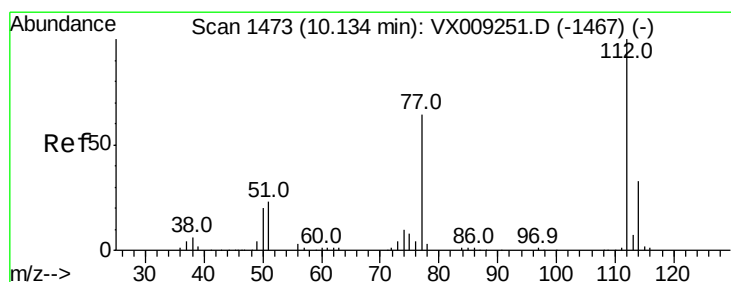
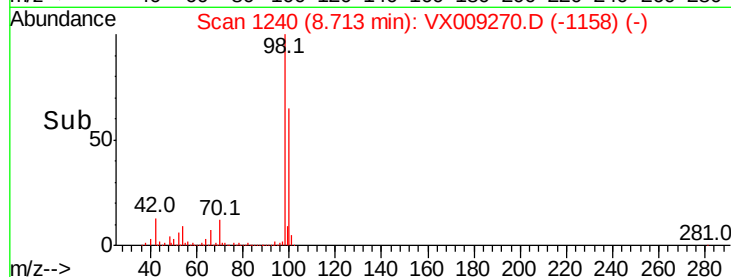
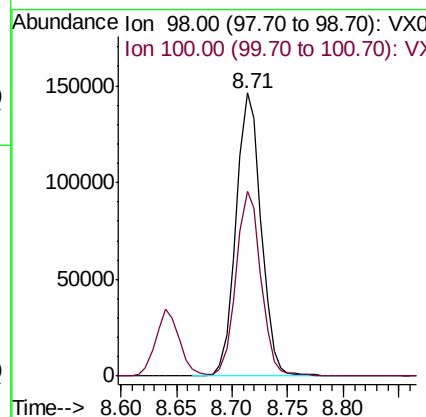
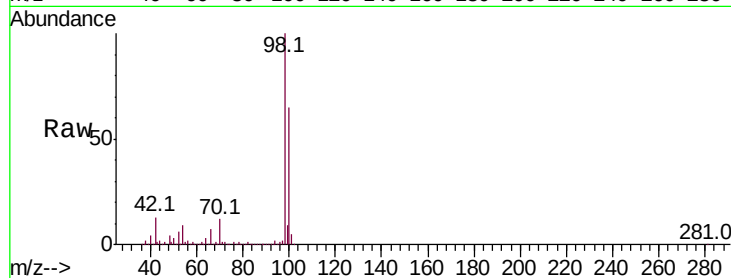
100 64.3 52.3 78.5

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#64

Chlorobenzene

Concen: 20.304 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009270.D

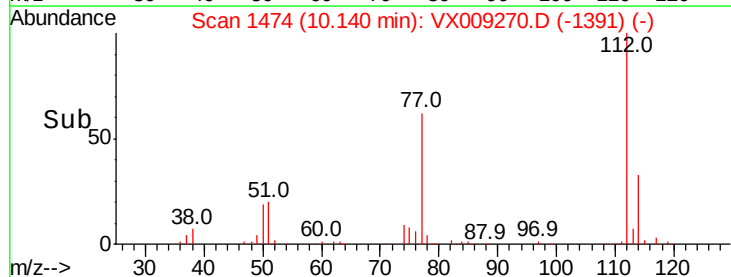
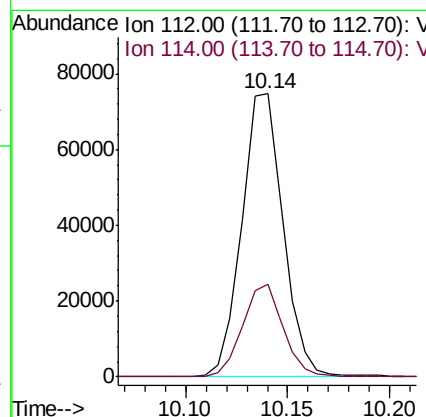
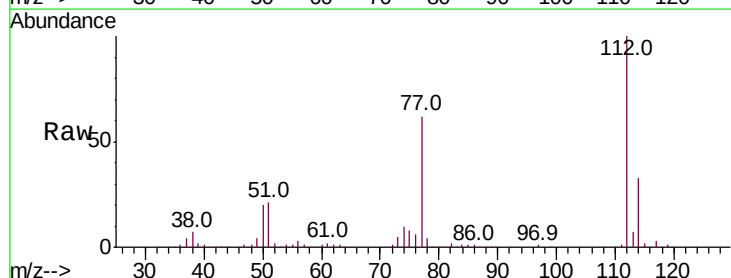
Acq: 02 May 2019 12:14

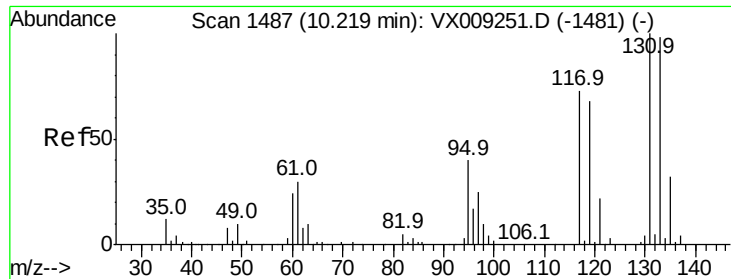
Tgt Ion: 112 Resp: 105356

Ion Ratio Lower Upper

112 100

114 32.6 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.326 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampled :

VX0502WBSD01

Tot Ion:131 Resp: 38618

Ion Ratio Lower Upper

131 100

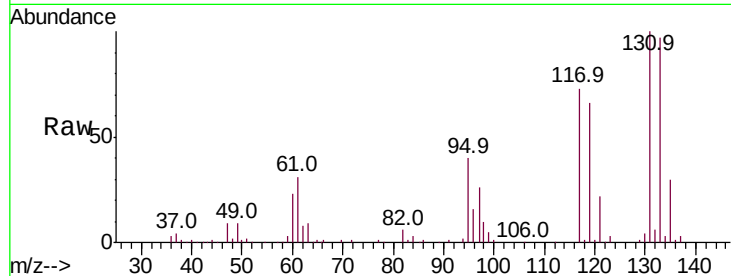
133 95.7 0.0 191.2

119 66.0 0.0 135.4

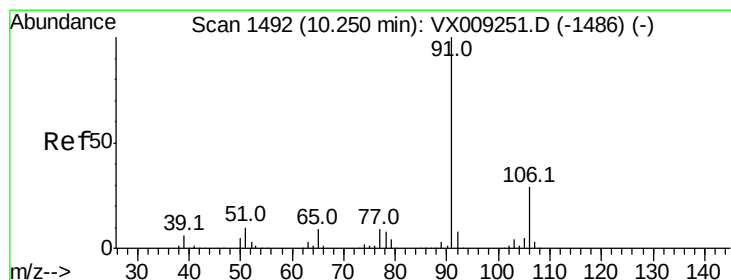
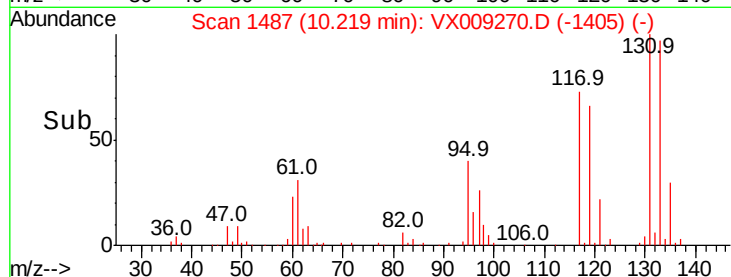
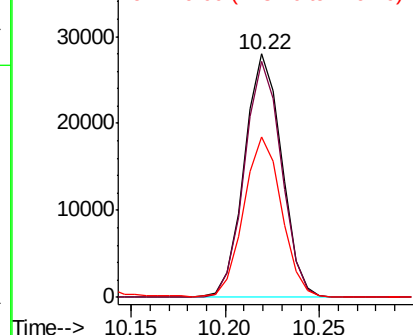
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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.460 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009270.D

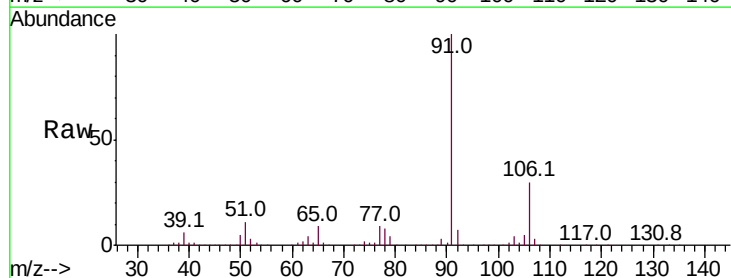
Acq: 02 May 2019 12:14

Tgt Ion: 91 Resp: 196512

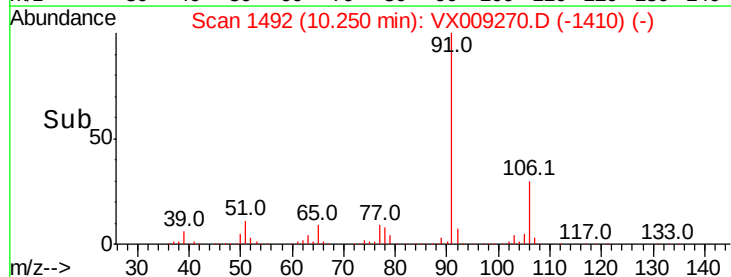
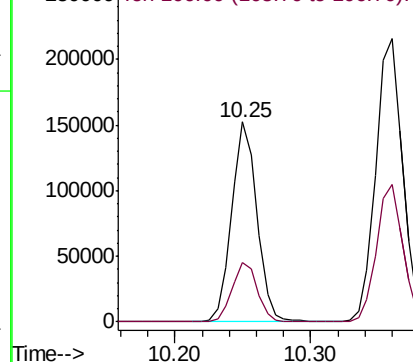
Ion Ratio Lower Upper

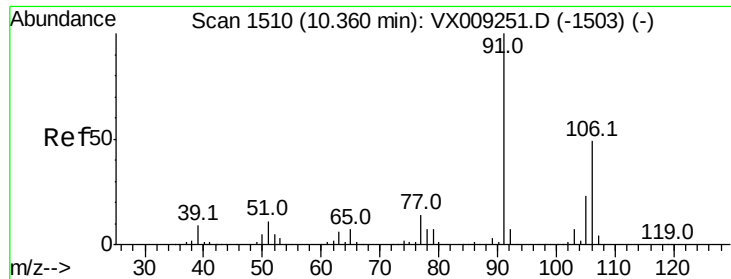
91 100

106 29.9 23.5 35.3



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





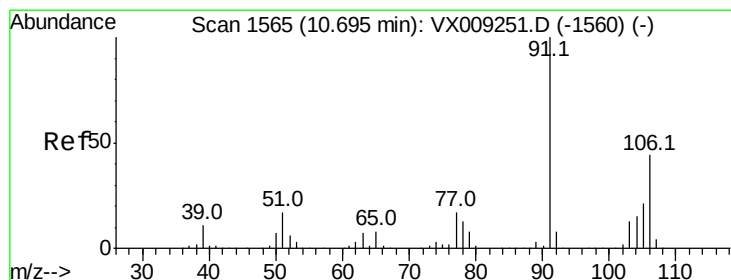
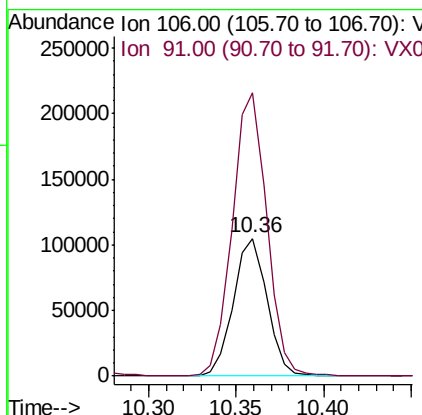
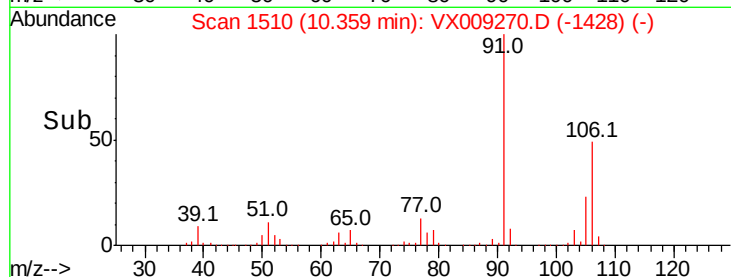
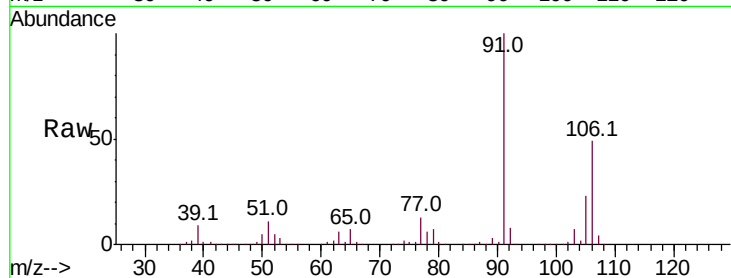
#67
m/p-Xylenes
Concen: 40.472 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Instrument :
MSVOA_X
ClientSampled :
VX0502WBSD01

Tot Ion:106 Resp: 141929
Ion Ratio Lower Upper
106 100
91 209.4 166.8 250.2

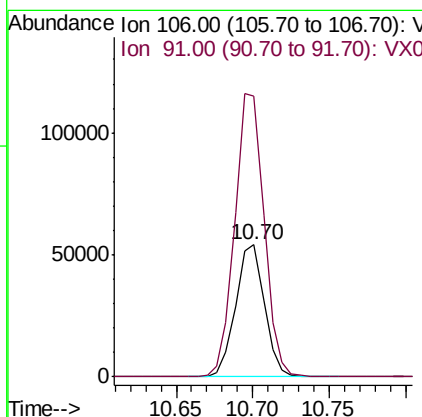
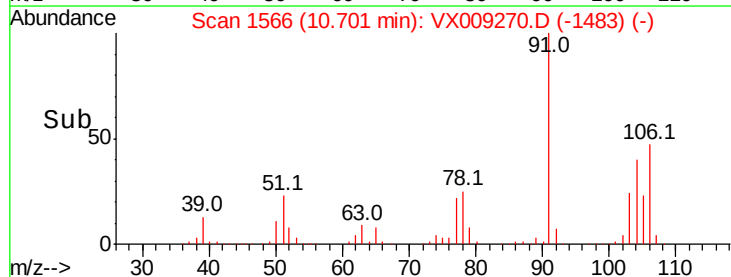
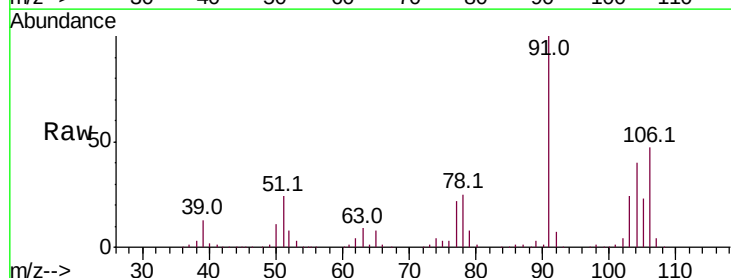
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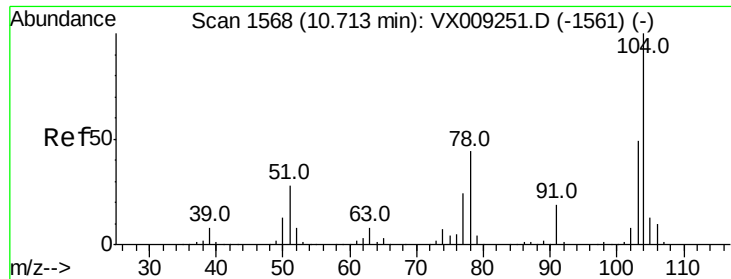
MMDadoda
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#68
o-Xylene
Concen: 20.550 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Tgt Ion:106 Resp: 70859
Ion Ratio Lower Upper
106 100
91 219.0 110.8 332.3





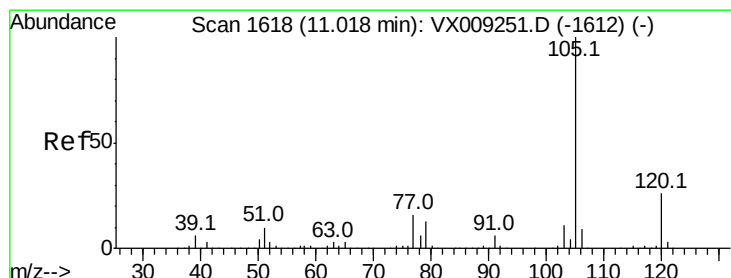
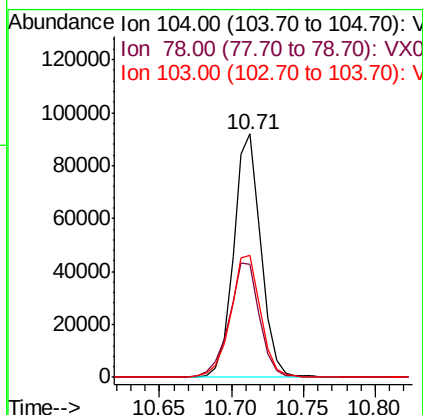
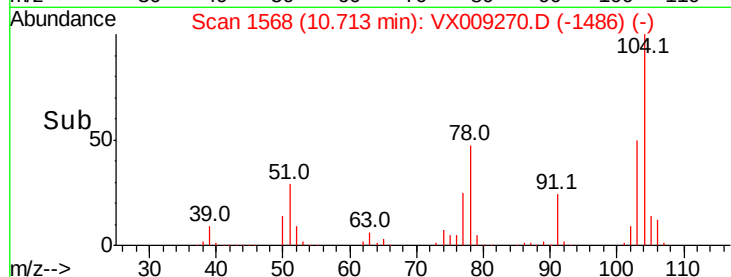
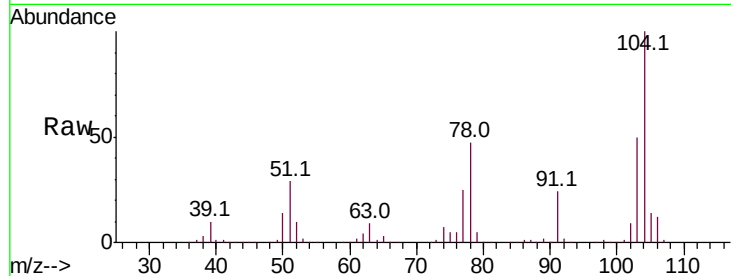
#69
Stvrene
Concen: 20.048 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	121356		
78	52.5	41.1	61.7	
103	55.2	43.8	65.8	

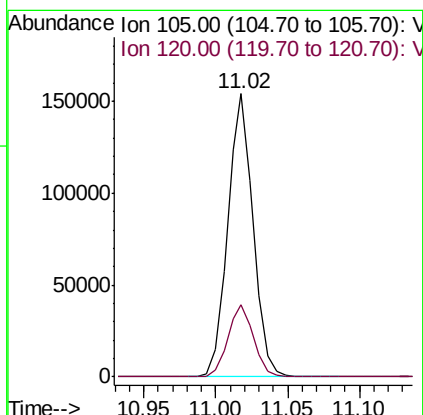
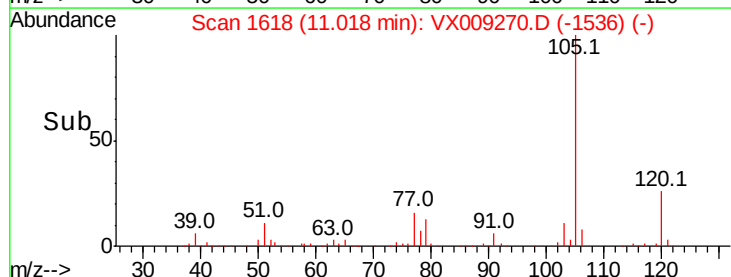
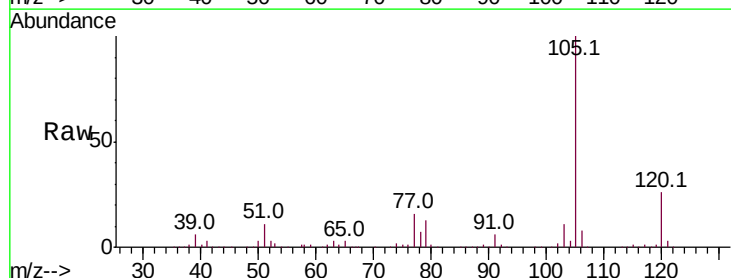
Manual Integrations
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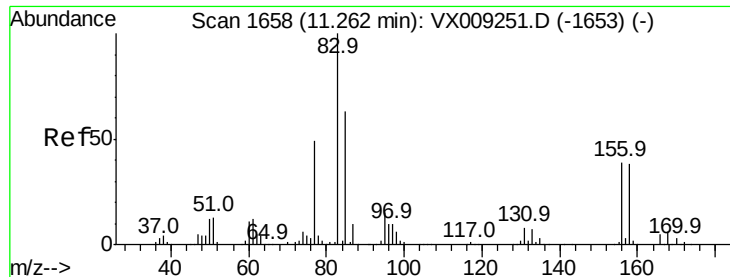
MMDadoda
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#70
Isopropylbenzene
Concen: 20.472 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	189846		
120	25.8	18.1	33.7	





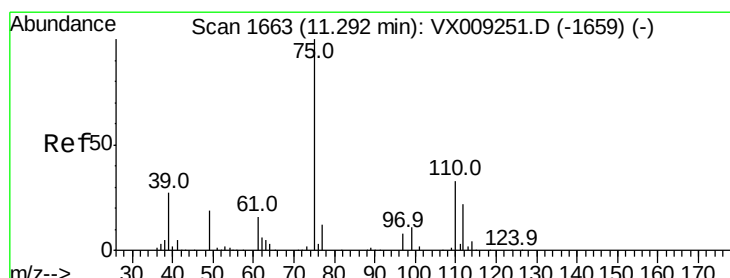
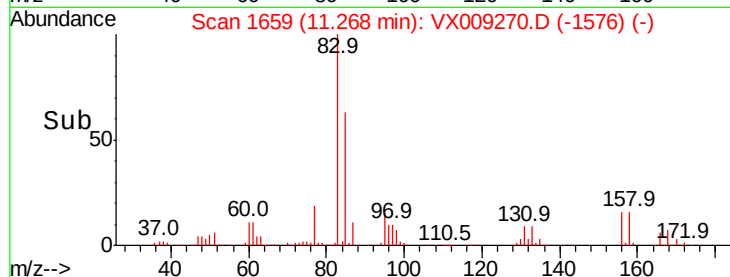
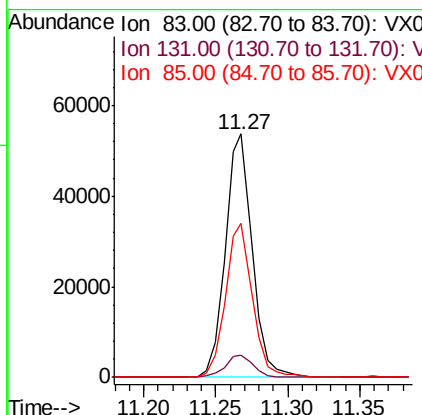
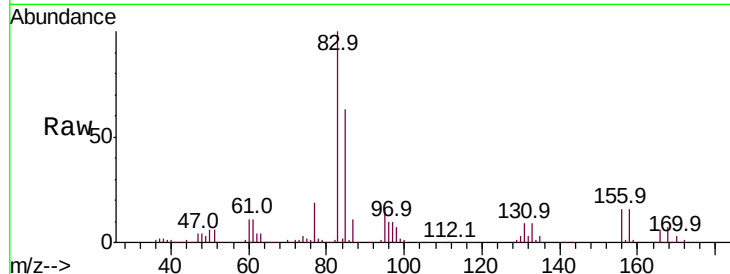
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.815 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0502WBSD01

Tot Ion	83	Resp	70691
Ion Ratio	100	Lower	Upper
131	9.6	4.7	14.0
85	63.5	32.4	97.2

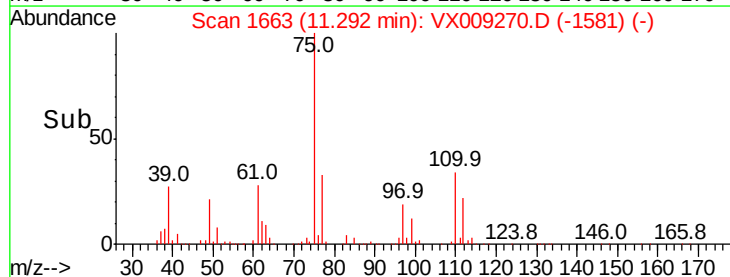
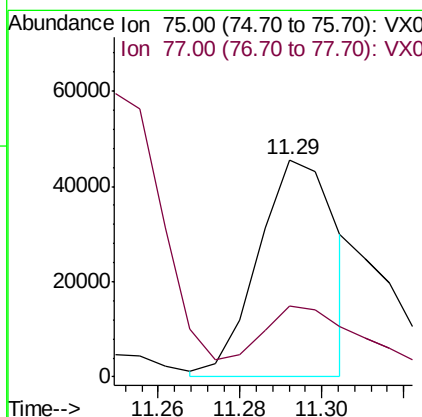
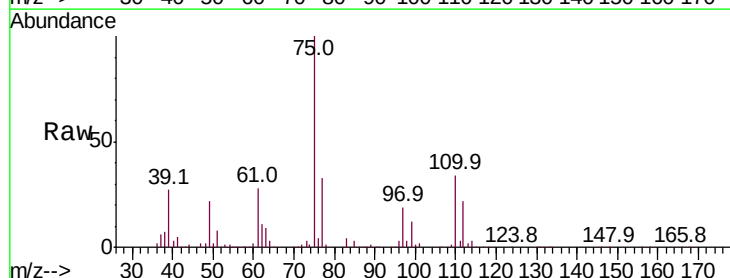
Manual Integrations
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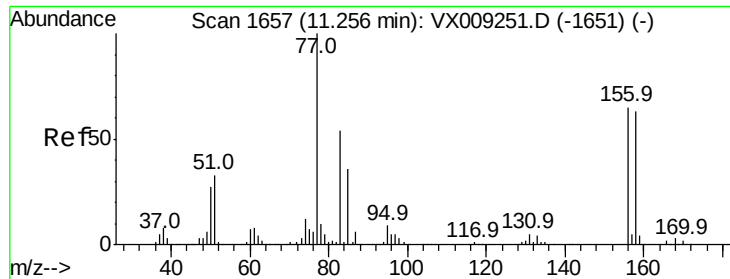
MMDadoda
 5/3/2019 11:19:49 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.586 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Tgt Ion	75	Resp	60248
Ion Ratio	100	Lower	Upper
77	44.1	0.0	86.4





#73

Bromobenzene

Concen: 20.076 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

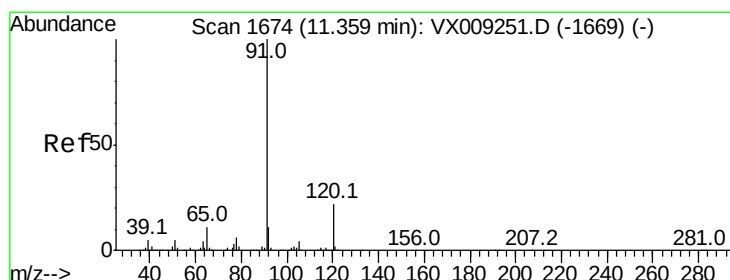
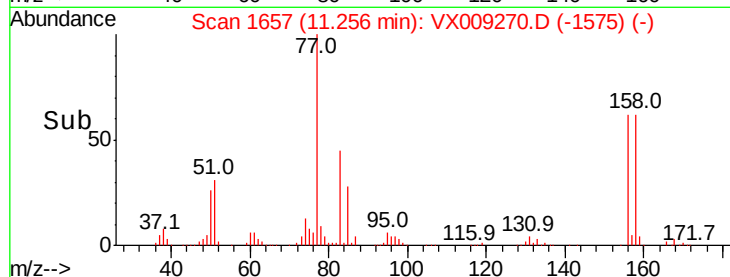
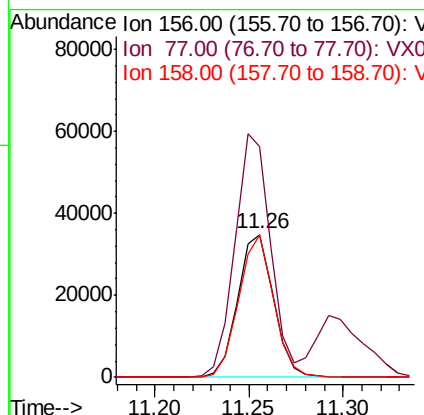
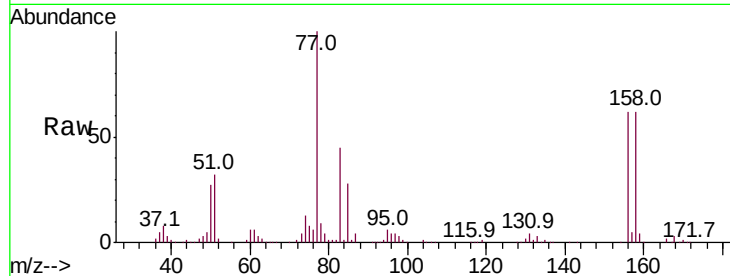
ClientSampleId :

VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.0	0.0	335.6
158	96.7	0.0	191.2

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#74

n-propylbenzene

Concen: 20.135 ug/l

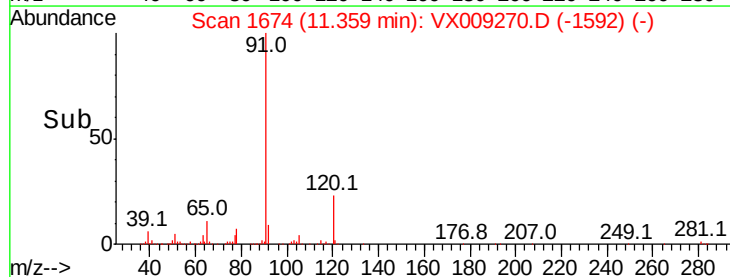
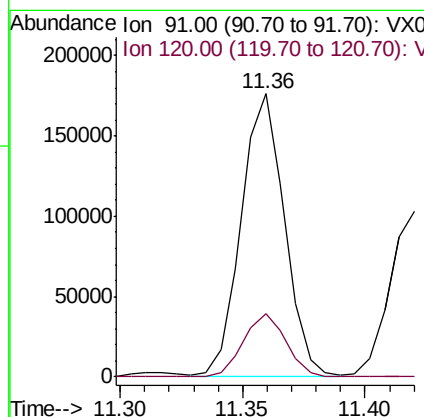
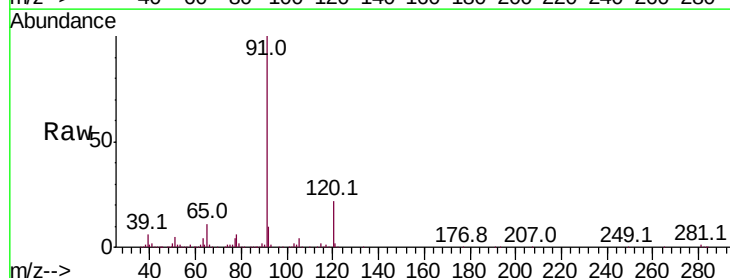
RT: 11.36 min Scan# 1674

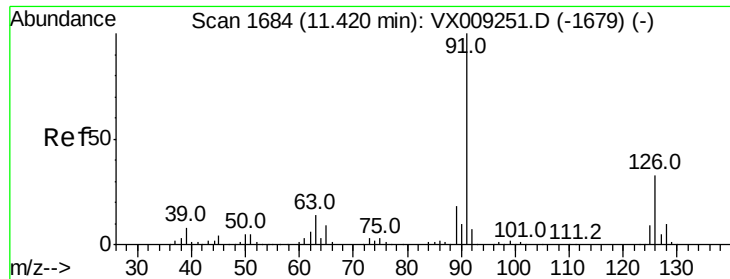
Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	43.4





#75

2-Chlorotoluene

Concen: 20.249 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

ClientSampled :

VX0502WBSD01

Tot Ion: 91 Resp: 130517

Ion Ratio Lower Upper

91 100

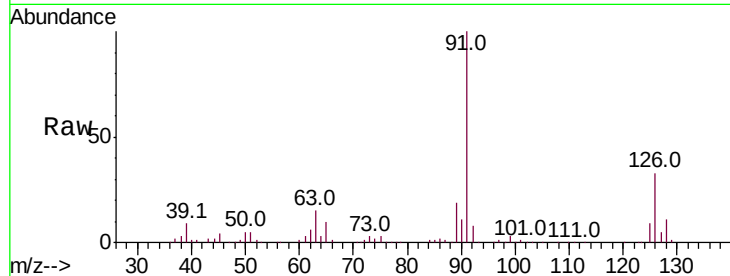
126 32.3 0.0 64.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009251.D (-1679) (-)

200000

150000

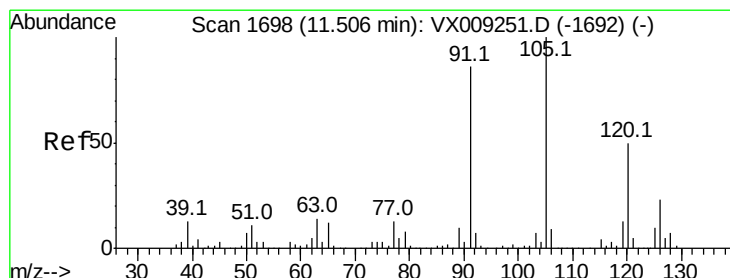
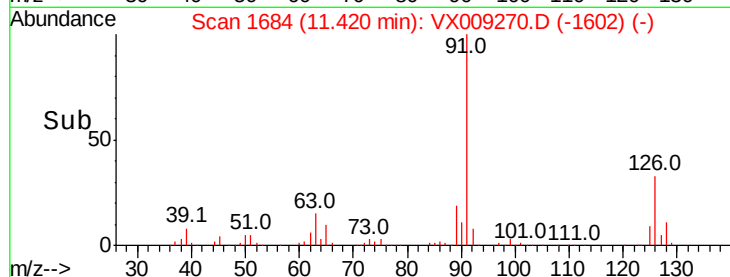
100000

50000

0

11.40 11.42 11.44

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.290 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009270.D

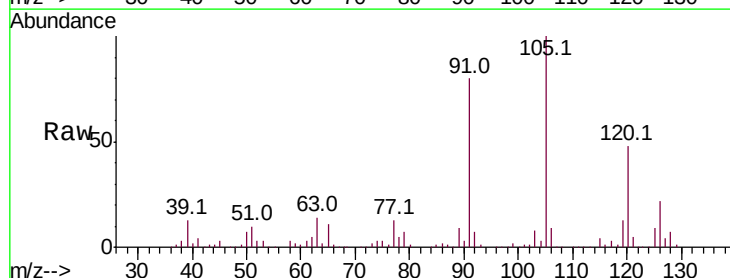
Acq: 02 May 2019 12:14

Tgt Ion: 105 Resp: 159386

Ion Ratio Lower Upper

105 100

120 48.3 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009251.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009251.D (-1692) (-)

150000

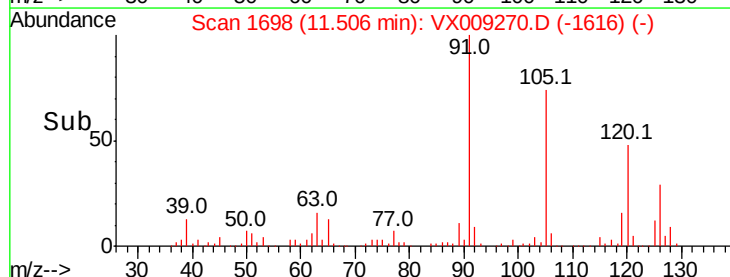
100000

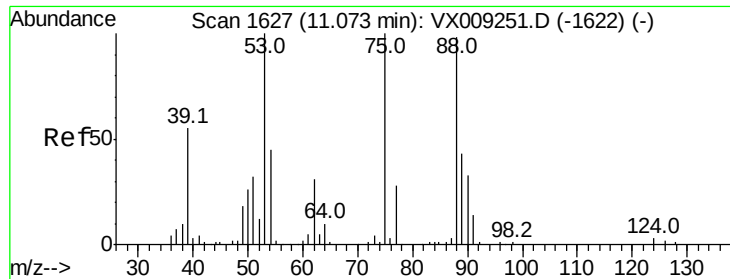
50000

0

11.45 11.50 11.55

Time-->





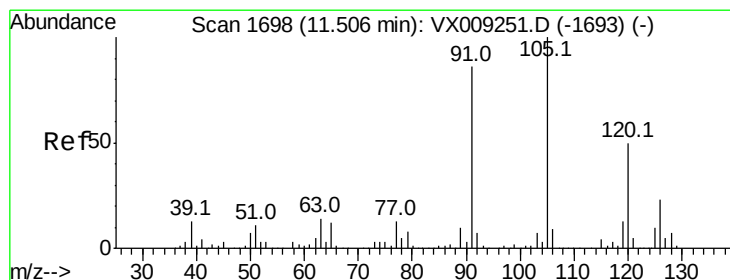
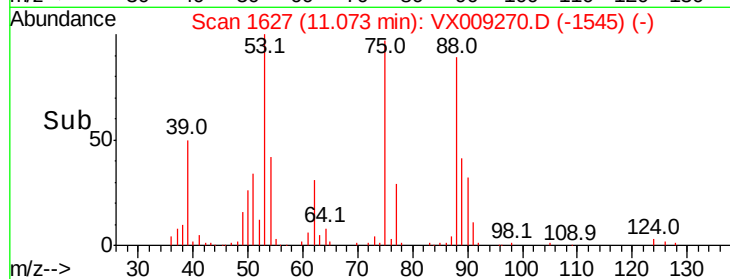
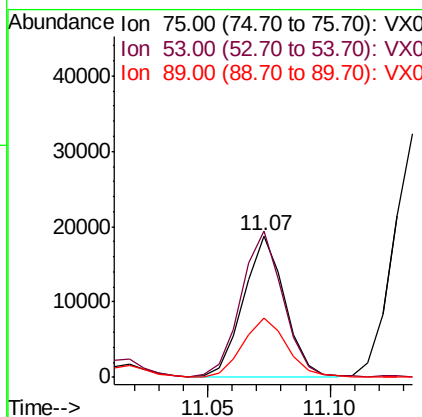
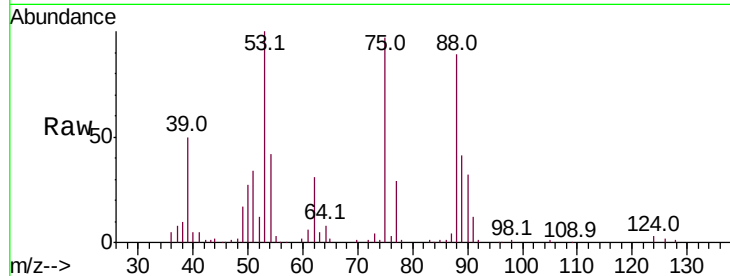
#77
t-1,4-Dichloro-2-butene
Concen: 18.726 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Instrument :
MSVOA_X
ClientSampled :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.5	50.0	149.8
89	41.4	21.6	65.0

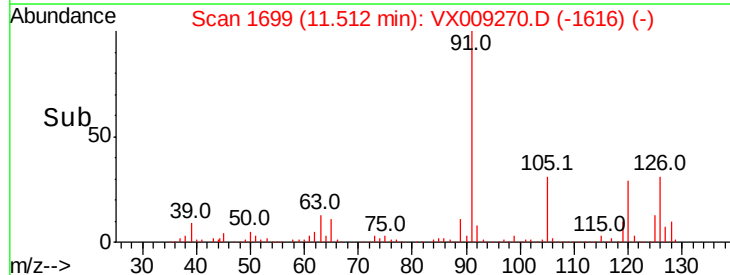
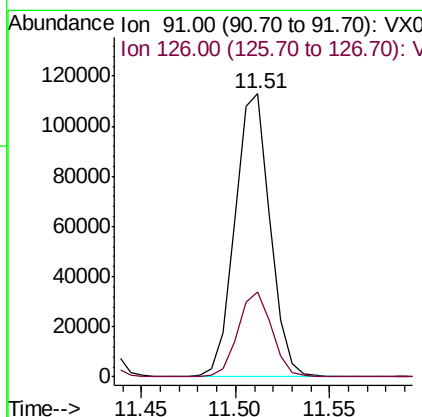
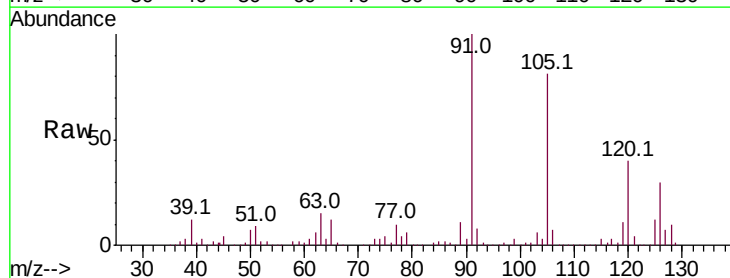
Manual Integrations
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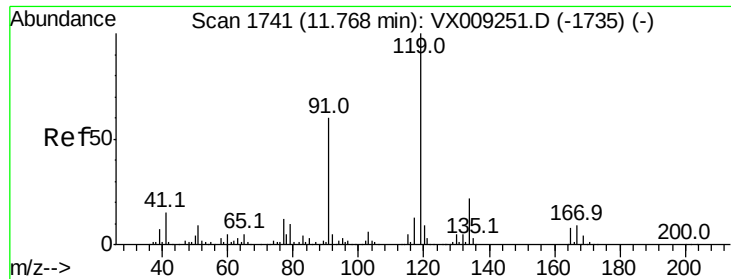
MMDadoda
5/3/2019 11:19:49 AM



#78
4-Chlorotoluene
Concen: 19.940 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	0.0	57.0





#79

tert-butylbenzene

Concen: 20.095 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

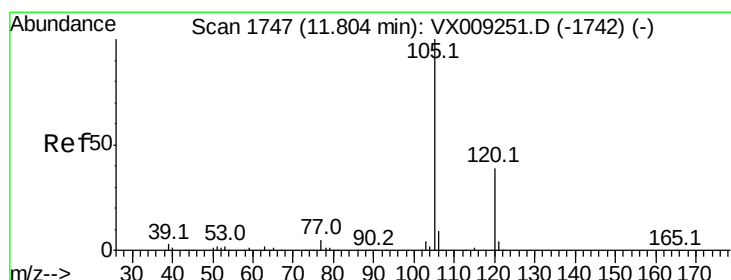
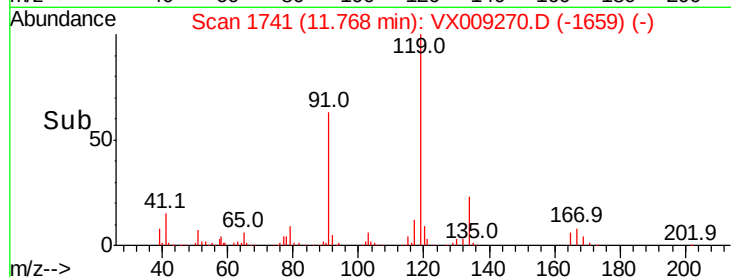
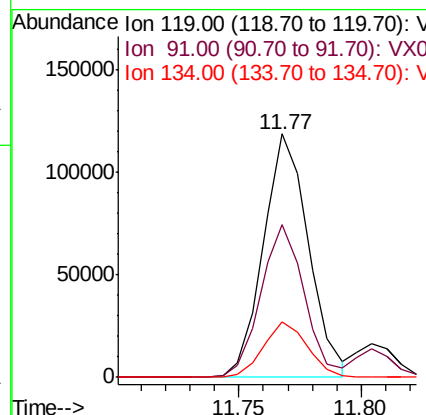
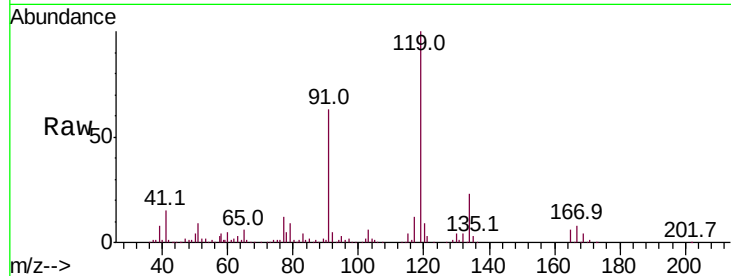
ClientSampleId :

VX0502WBSD01

Tot Ion:	119	Resp:	152597
Ion Ratio	Lower	Upper	
119	100		
91	60.3	0.0	118.2
134	22.3	0.0	45.0

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#80

1,2,4-Trimethylbenzene

Concen: 20.329 ug/l

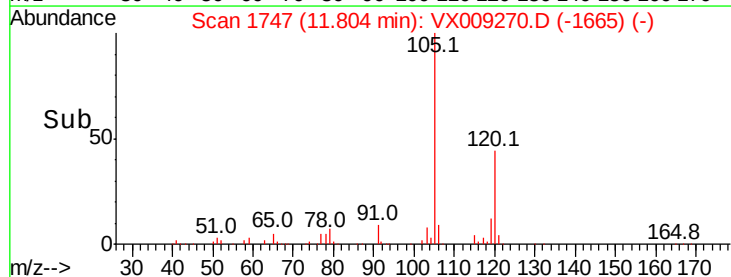
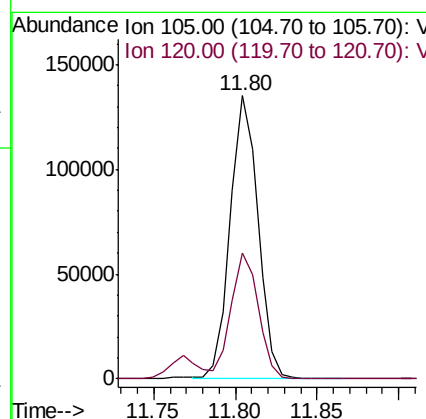
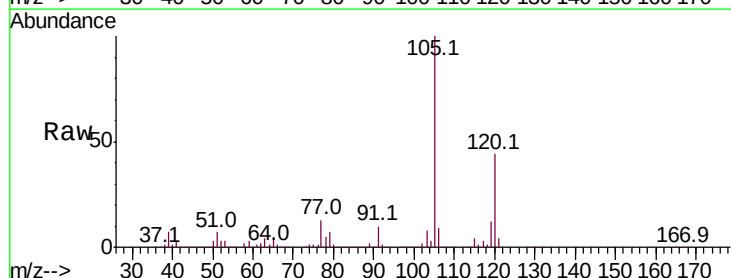
RT: 11.80 min Scan# 1747

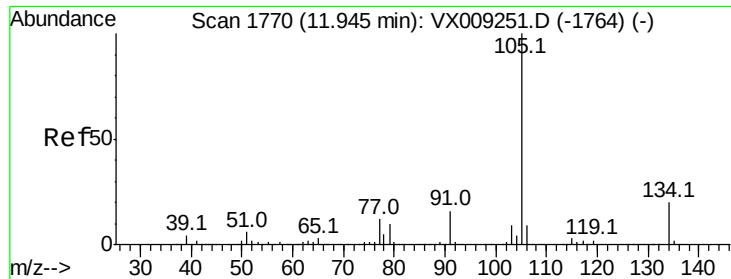
Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Tgt Ion:	105	Resp:	160051
Ion Ratio	Lower	Upper	
105	100		
120	43.8	0.0	89.6





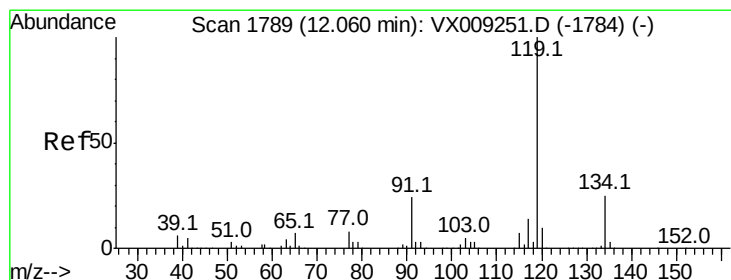
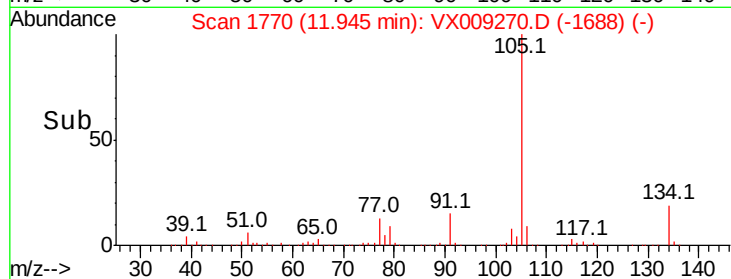
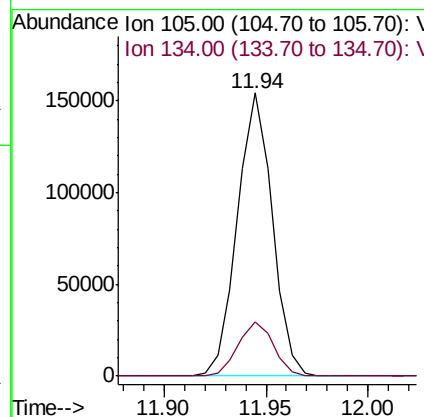
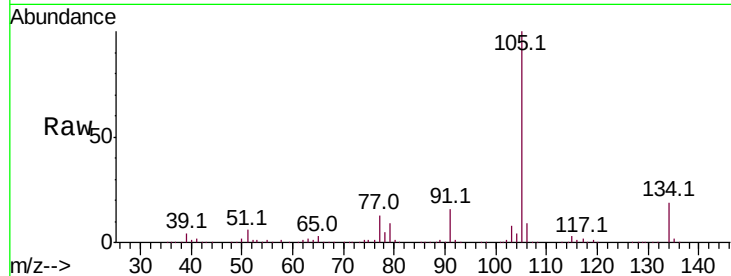
#81
 sec-Butylbenzene
 Concen: 20.254 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	0.0	38.6

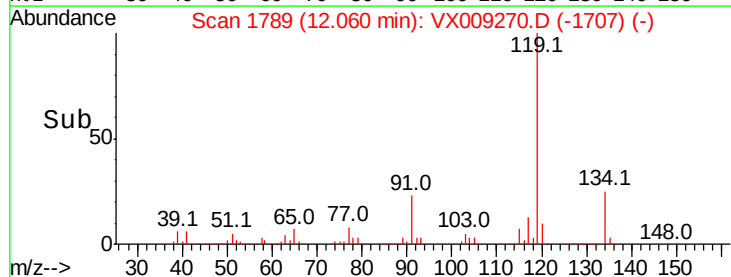
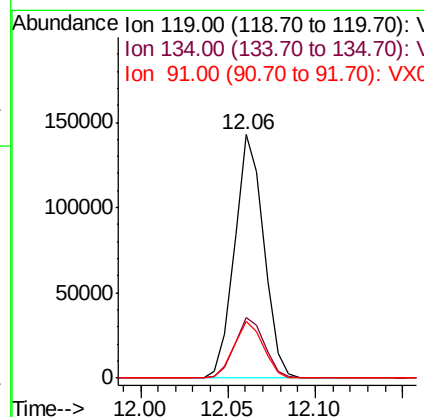
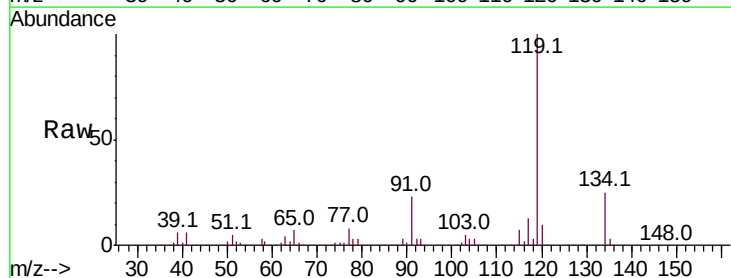
Manual Integrations
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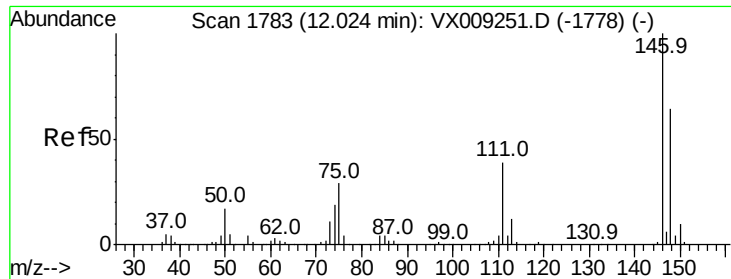
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 5/3/2019 11:19:49 AM



#82
 p-Isopropyltoluene
 Concen: 20.193 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	50.8
91	23.5	0.0	47.2





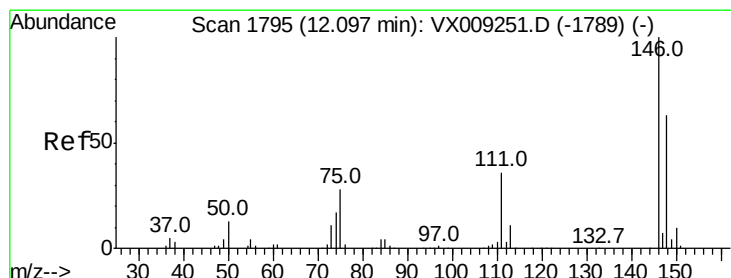
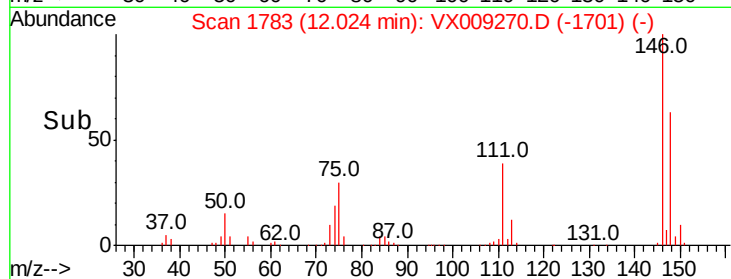
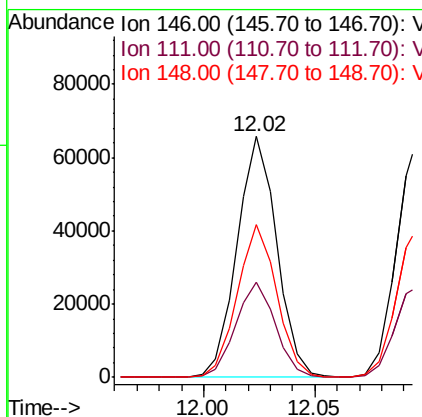
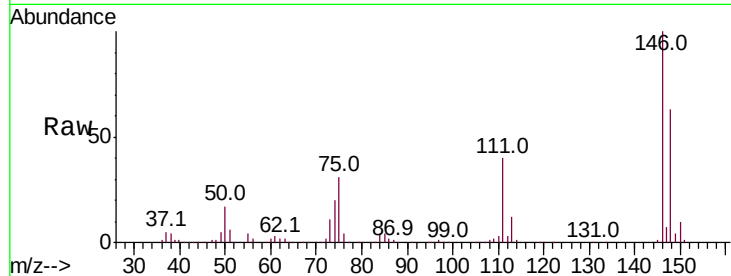
#83
 1,3-Dichlorobenzene
 Concen: 19.999 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	62.9	32.2	96.6

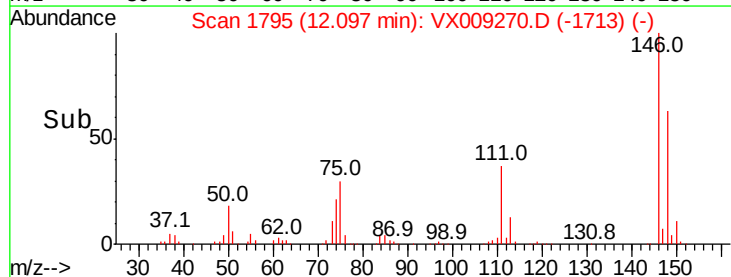
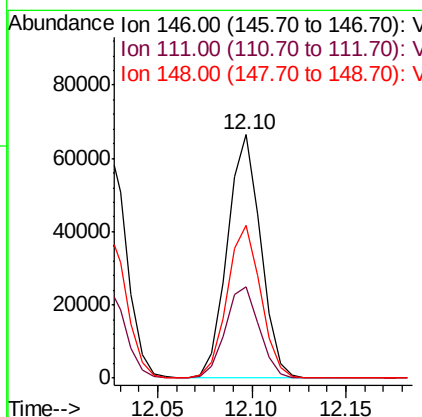
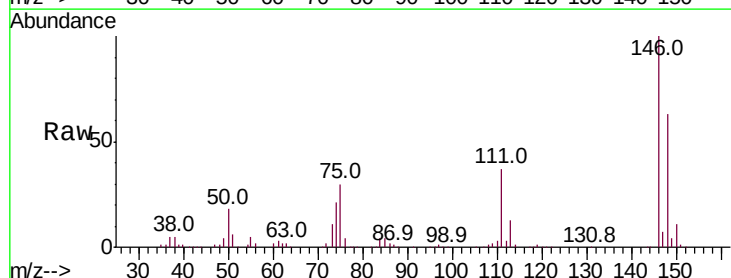
Manual Integrations
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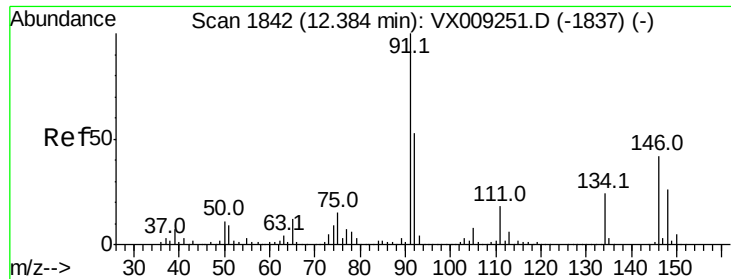
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#84
 1,4-Dichlorobenzene
 Concen: 20.016 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.6	58.7
148	63.2	32.3	96.8





#85

n-Butylbenzene

Concen: 19.207 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Instrument :

MSVOA_X

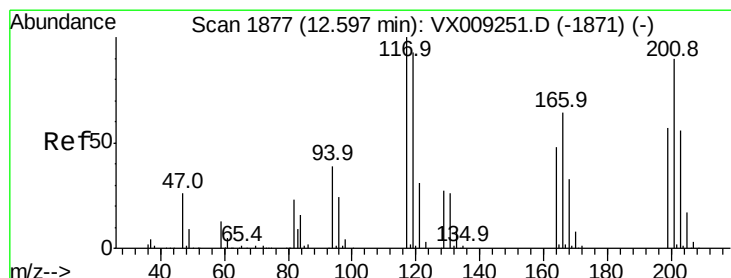
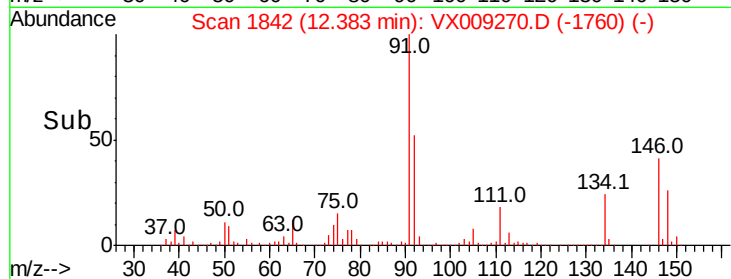
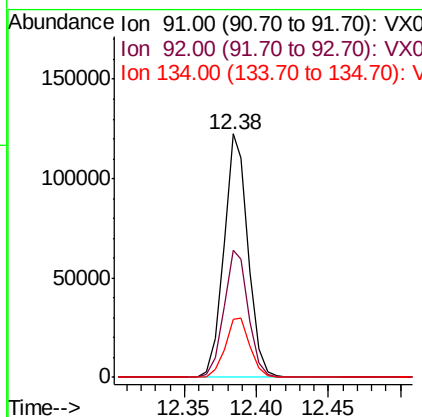
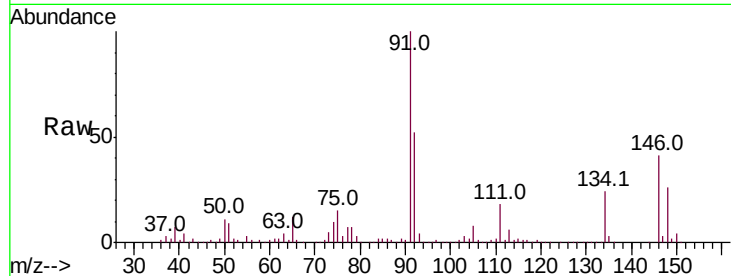
ClientSampleId :

VX0502WBSD01

Tot Ion:	91	Resp:	144238
Ion	Ratio	Lower	Upper
91	100		
92	52.9	0.0	106.6
134	25.0	0.0	50.0

Manual Integrations
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#86

Hexachloroethane

Concen: 19.200 ug/l

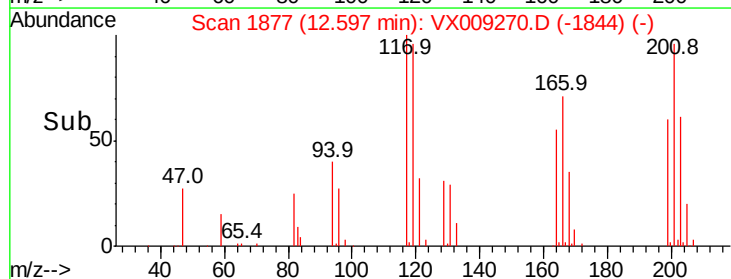
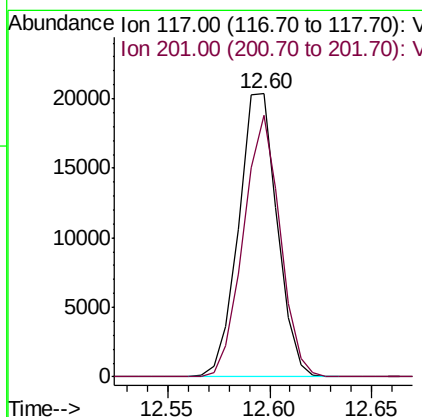
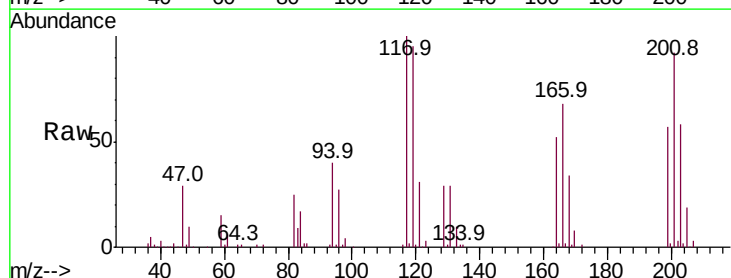
RT: 12.60 min Scan# 1877

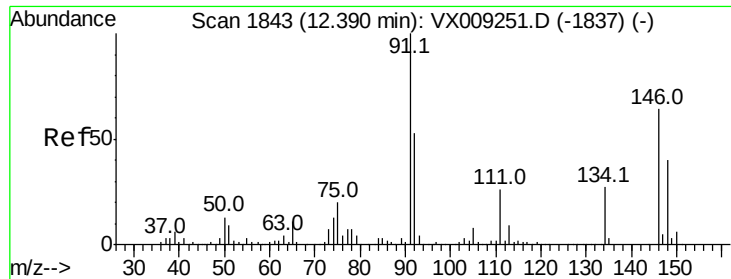
Delta R.T. -0.00 min

Lab File: VX009270.D

Acq: 02 May 2019 12:14

Tgt Ion:	117	Resp:	26814
Ion	Ratio	Lower	Upper
117	100		
201	87.7	41.8	125.4





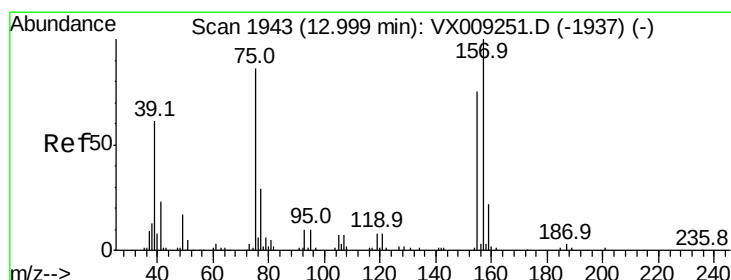
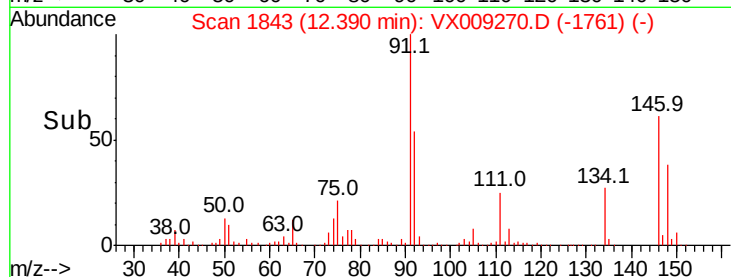
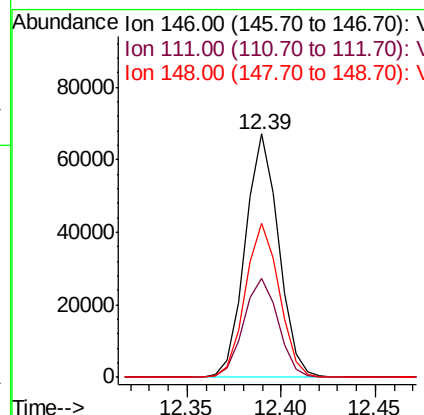
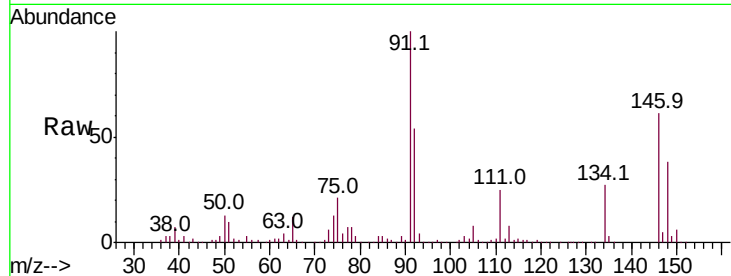
#87
 1,2-Dichlorobenzene
 Concen: 20.072 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.2
148	64.2	31.4	94.3

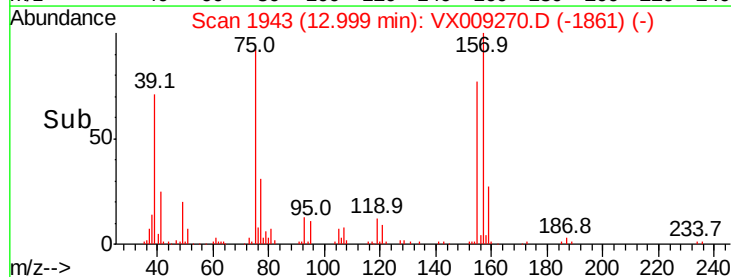
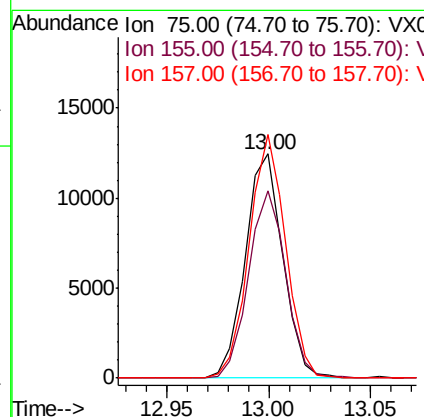
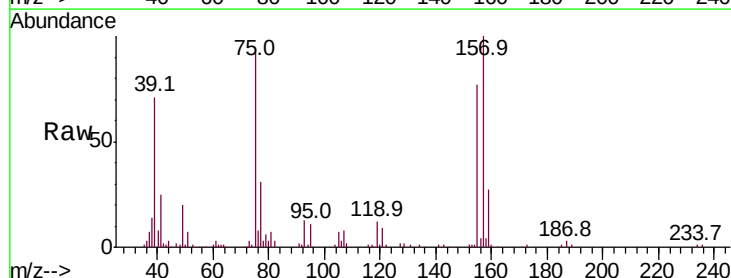
Manual Integrations
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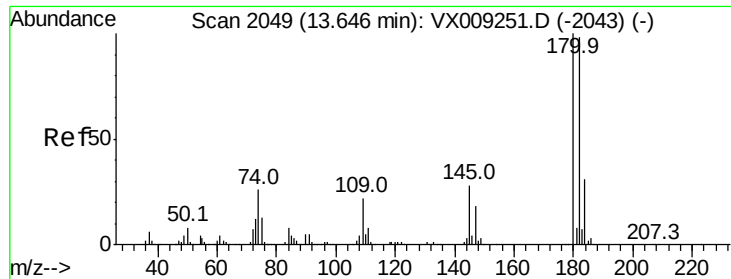
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.213 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	65.9	98.9
157	105.1	85.2	127.8





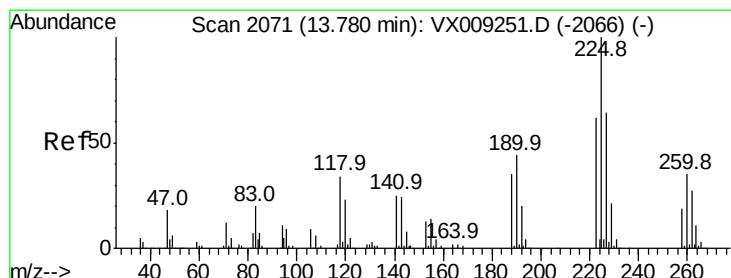
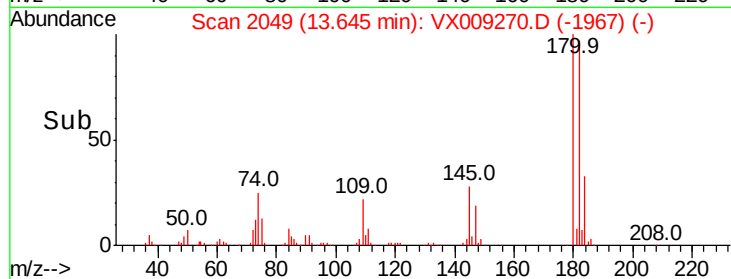
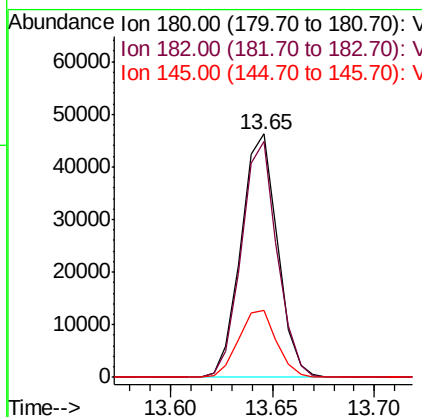
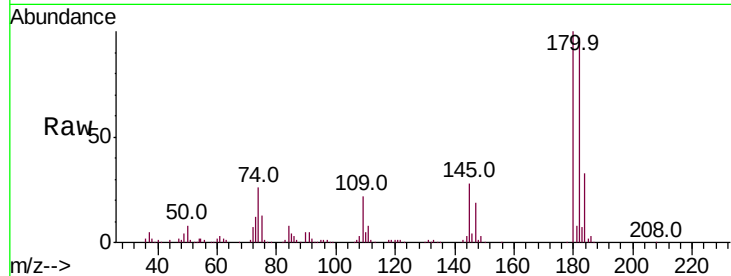
#89
 1,2,4-Trichlorobenzene
 Concen: 19.630 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	57630		
182	94.8	76.9	115.3	
145	28.5	23.0	34.6	

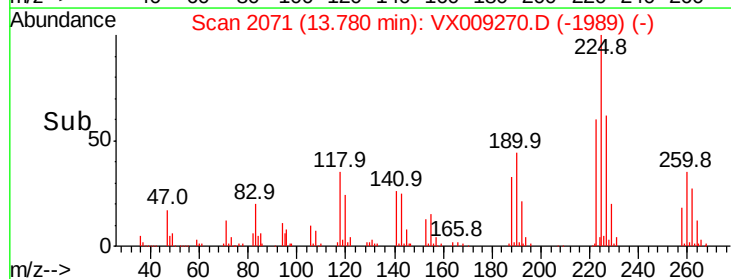
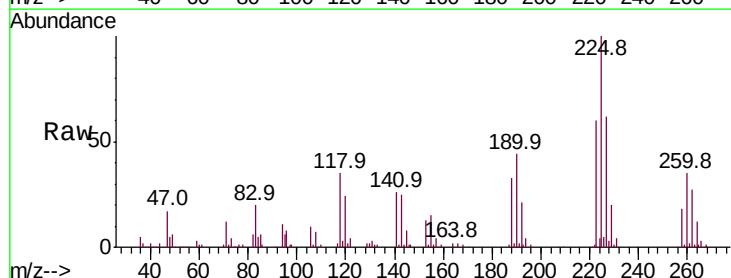
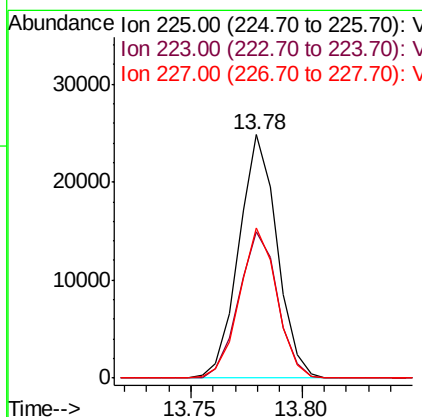
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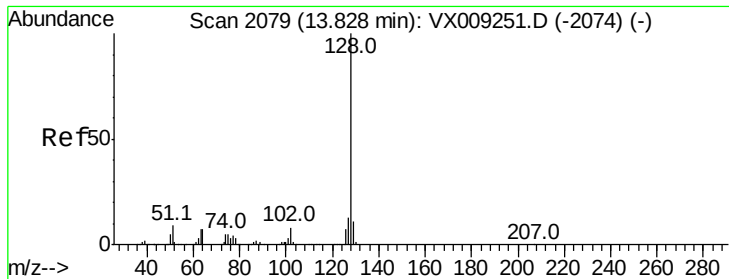
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#90
 Hexachlorobutadiene
 Concen: 20.242 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009270.D
 Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29684		
223	61.0	0.0	126.6	
227	60.6	0.0	130.0	





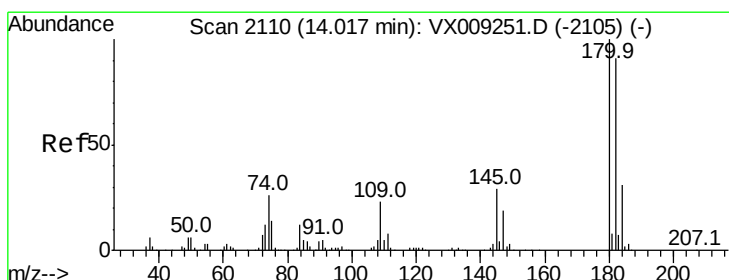
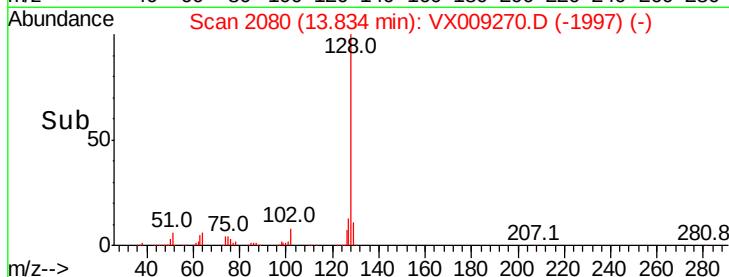
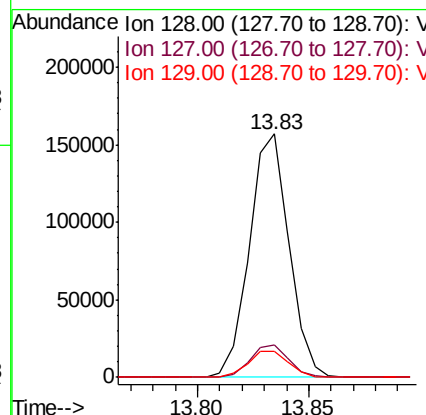
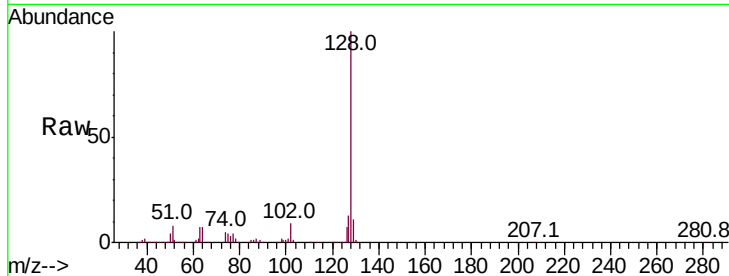
#91
Naphthalene
Concen: 20.254 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.1	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 19.944 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009270.D
Acq: 02 May 2019 12:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	189.0
145	31.4	0.0	61.6

