

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050819\
 Data File : VX009414.D
 Acq On : 08 May 2019 21:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 9:49:43 AM

Quant Time: May 09 07:28:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 03:31:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	160673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	258870	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	236664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	106063	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	5.50	113	80192	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	8.71	98	320192	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.13	95	116810	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	71711	48.433	ug/l	99
3) Chloromethane	1.32	50	110055	54.444	ug/l	100
4) Vinyl Chloride	1.41	62	104580	53.055	ug/l	96
5) Bromomethane	1.64	94	52828	44.652	ug/l	98
6) Chloroethane	1.71	64	65665	51.886	ug/l	98
7) Trichlorofluoromethane	1.92	101	130166	54.325	ug/l	97
8) Diethyl Ether	2.18	74	60297	53.127	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	77762	51.681	ug/l	98
10) Methyl Iodide	2.51	142	89500	51.085	ug/l	100
11) Tert butyl alcohol	3.06	59	132353	260.685	ug/l	99
12) 1,1-Dichloroethene	2.37	96	81554	54.096	ug/l	98
13) Acrolein	2.29	56	98117	213.390	ug/l	100
14) Allyl chloride	2.73	41	186588	50.786	ug/l	100
15) Acrylonitrile	3.14	53	324783	261.627	ug/l	99
16) Acetone	2.45	43	276111	234.438	ug/l	99
17) Carbon Disulfide	2.57	76	234839	55.483	ug/l	99
18) Methyl Acetate	2.78	43	140578	50.189	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	310265	52.998	ug/l	99
20) Methylene Chloride	2.85	84	108377	56.832	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	87658	53.614	ug/l	99
22) Diisopropyl ether	3.85	45	369027	52.230	ug/l	96
23) Vinyl Acetate	3.81	43	1675303	276.898	ug/l	99
24) 1,1-Dichloroethane	3.70	63	180617	51.820	ug/l	100
25) 2-Butanone	4.68	43	479212	261.836	ug/l	100
26) 2,2-Dichloropropane	4.58	77	111953	43.152	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	103312	52.939	ug/l	97
28) Bromochloromethane	5.02	49	68789	48.971	ug/l	100
29) Tetrahydrofuran	5.13	42	319656	271.418	ug/l	100
30) Chloroform	5.21	83	167019	52.982	ug/l	97
31) Cyclohexane	5.58	56	176717	54.496	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	138645	52.833	ug/l	100
36) 1,1-Dichloropropene	5.80	75	128404	53.375	ug/l	100
37) Ethyl Acetate	4.84	43	183485	54.741	ug/l	100
38) Carbon Tetrachloride	5.78	117	117337	53.683	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	158507	53.650	ug/l	99
40) Benzene	6.14	78	398617	53.540	ug/l	98
41) Methacrylonitrile	5.04	41	102420	51.331	ug/l	99
42) 1,2-Dichloroethane	6.19	62	140503	52.608	ug/l	100
43) Isopropyl Acetate	6.45	43	291220	54.317	ug/l	100
44) Trichloroethene	7.21	130	95156	52.867	ug/l	98
45) 1,2-Dichloropropane	7.51	63	112112	53.179	ug/l	99
46) Dibromomethane	7.66	93	64091	52.351	ug/l	98
47) Bromodichloromethane	7.90	83	128642	52.678	ug/l	98
48) Methyl methacrylate	7.77	41	145846	54.830	ug/l	100
49) 1,4-Dioxane	7.74	88	51974	963.484	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	952377	271.767	ug/l	100
52) Toluene	8.79	92	245826	54.317	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	146891	53.277	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	162935	53.392	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	97583	52.851	ug/l	98
56) Ethyl methacrylate	9.18	69	179258	54.388	ug/l	99
57) 1,3-Dichloropropane	9.37	76	170991	52.626	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	445416	254.746	ug/l	99
59) 2-Hexanone	9.49	43	748035	271.785	ug/l	100
60) Dibromochloromethane	9.58	129	98180	54.443	ug/l	99
61) 1,2-Dibromoethane	9.67	107	101216	54.306	ug/l	99
64) Tetrachloroethene	9.34	164	84828	52.253	ug/l	99
65) Chlorobenzene	10.14	112	251123	53.043	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	91209	53.140	ug/l	99
67) Ethyl Benzene	10.25	91	466632	53.556	ug/l	100
68) m/p-Xylenes	10.36	106	342599	107.600	ug/l	99
69) o-Xylene	10.69	106	168160	53.529	ug/l	99
70) Styrene	10.71	104	296787	54.355	ug/l	100
71) Bromoform	10.85	173	76082	54.546	ug/l #	99
73) Isopropylbenzene	11.02	105	447095	51.635	ug/l	100
74) N-amyl acetate	10.90	43	275908	54.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	167287	51.826	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	140100m	50.723	ug/l	
77) Bromobenzene	11.26	156	112453	52.324	ug/l	98
78) n-propylbenzene	11.36	91	515370	52.117	ug/l	100
79) 2-Chlorotoluene	11.42	91	307906	50.469	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	378674	51.939	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53363	49.433	ug/l	99
82) 4-Chlorotoluene	11.51	91	353896	51.347	ug/l	100
83) tert-Butylbenzene	11.77	119	371450	52.373	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	379547	51.865	ug/l	100
85) sec-Butylbenzene	11.94	105	434116	51.628	ug/l	99
86) p-Isopropyltoluene	12.06	119	407566	53.916	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	199006	51.943	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	200311	51.859	ug/l	100
89) n-Butylbenzene	12.38	91	357193	52.280	ug/l	100
90) Hexachloroethane	12.60	117	66657	51.759	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	202431	51.875	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39071	53.958	ug/l	99

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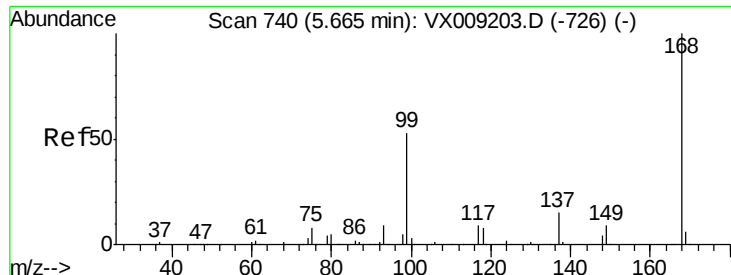
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	144289	54.071	ug/l	98
94) Hexachlorobutadiene	13.78	225	71098	52.174	ug/l	99
95) Naphthalene	13.83	128	474229	54.623	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	145831	53.912	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 160673

Ion Ratio Lower Upper

168 100

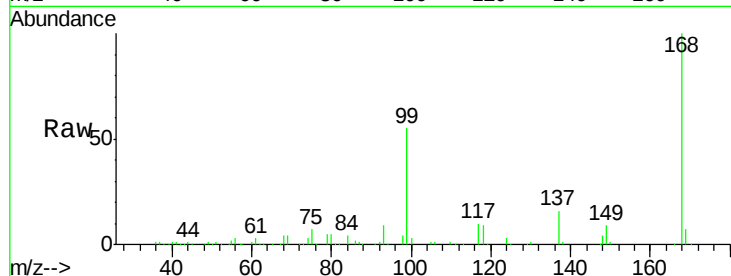
99 55.2 42.3 63.5

Manual Integrations

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5/9/2019 9:49:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

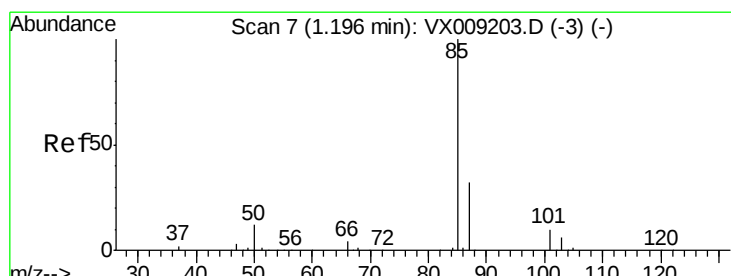
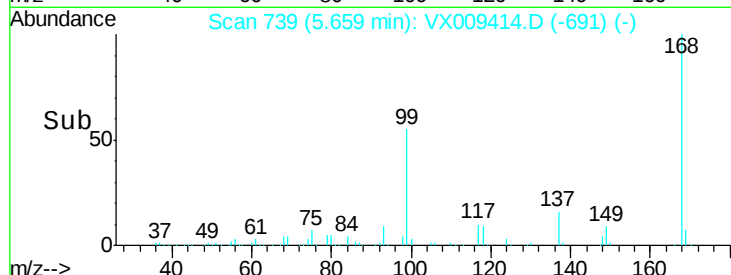
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.433 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009414.D

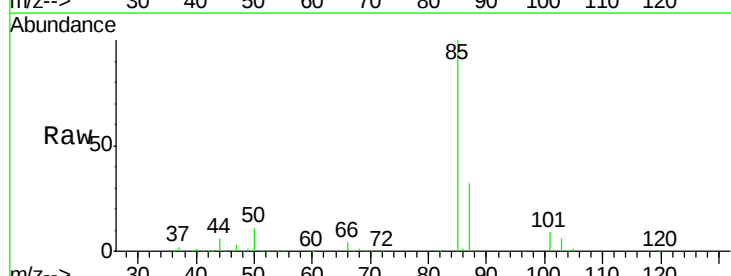
Acq: 08 May 2019 21:25

Tgt Ion: 85 Resp: 71711

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

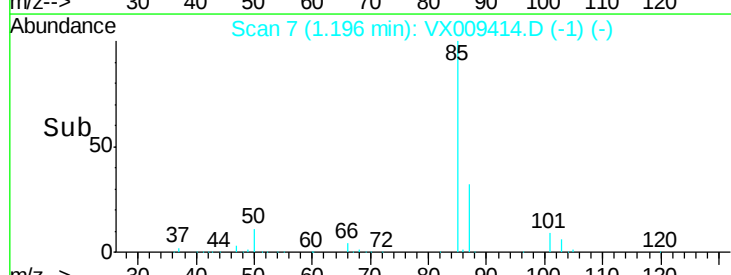
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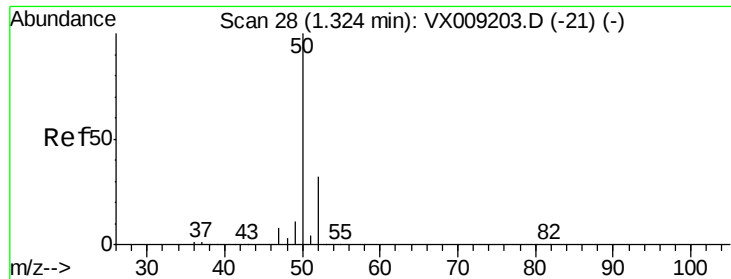
40000

20000

0

Time-->





#3

Chloromethane

Concen: 54.444 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 110055

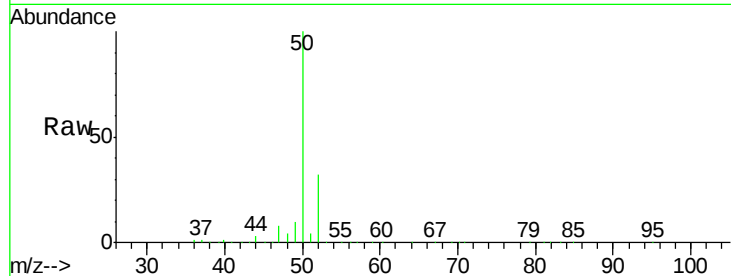
Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

120000

100000

80000

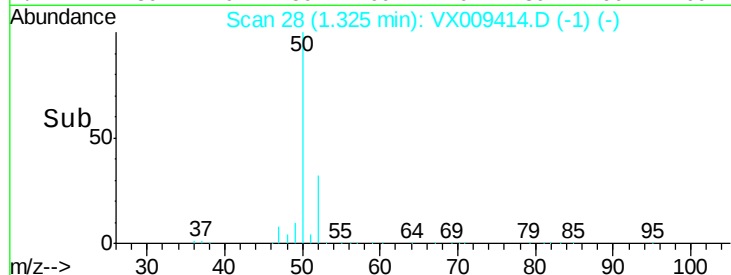
60000

40000

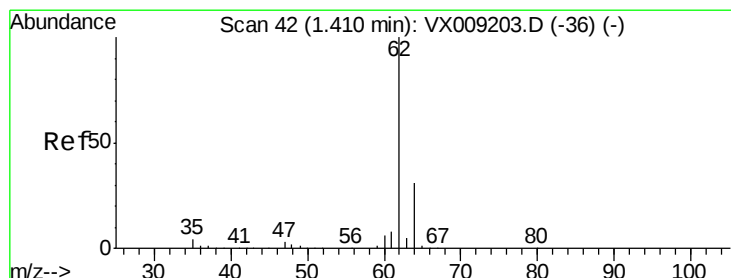
20000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 53.055 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009414.D

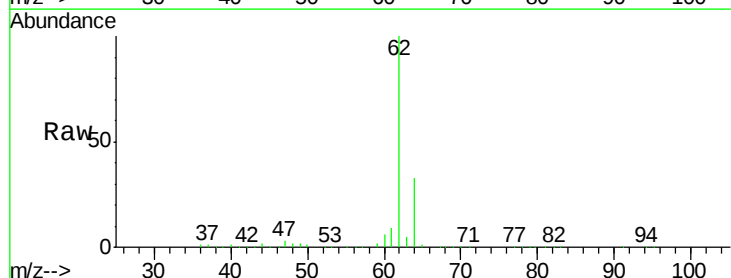
Acq: 08 May 2019 21:25

Tgt Ion: 62 Resp: 104580

Ion Ratio Lower Upper

62 100

64 32.7 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

100000

80000

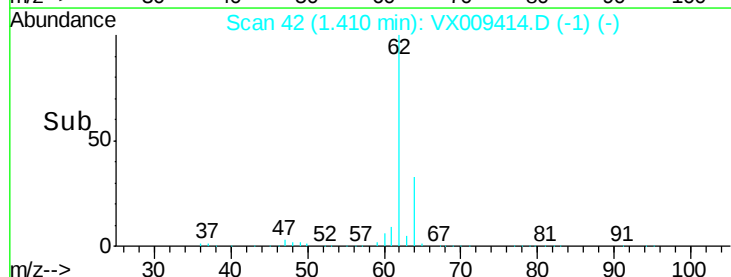
60000

40000

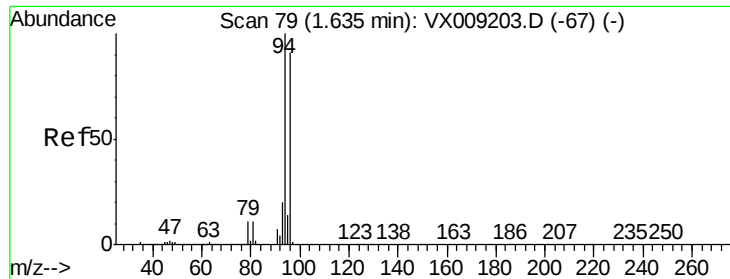
20000

0

Time-->



Time-->



#5

Bromomethane

Concen: 44.652 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 52828

Ion Ratio Lower Upper

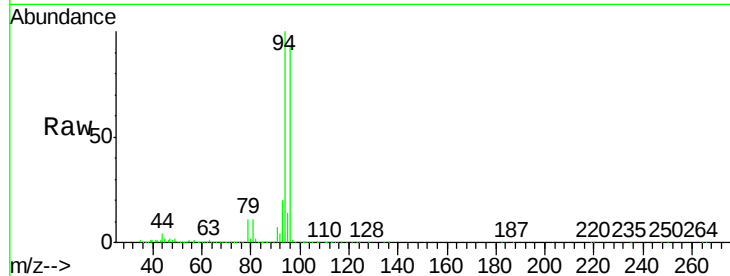
94 100

96 93.3 73.0 109.6

Manual Integrations
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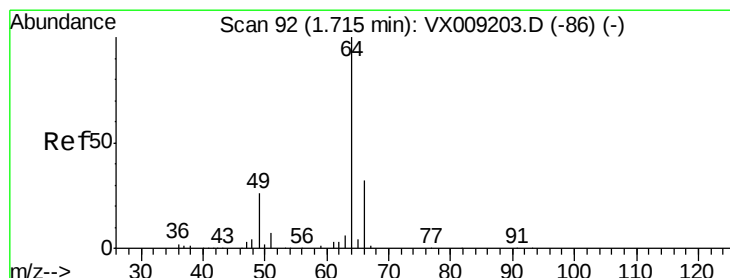
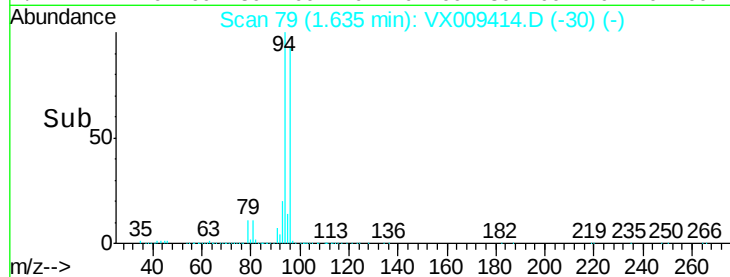
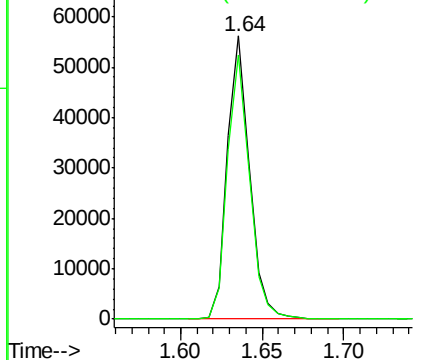
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.886 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009414.D

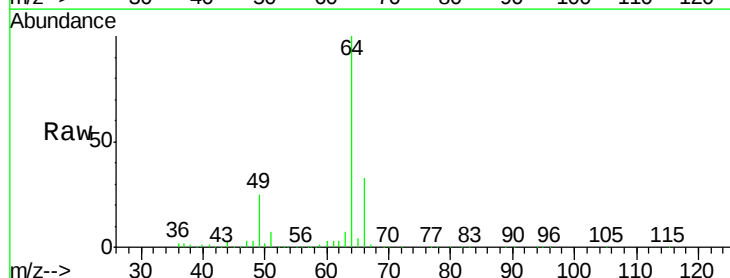
Acq: 08 May 2019 21:25

Tgt Ion: 64 Resp: 65665

Ion Ratio Lower Upper

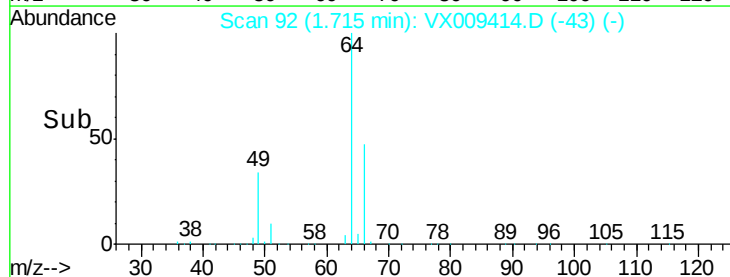
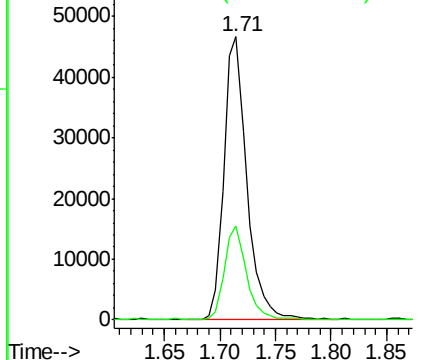
64 100

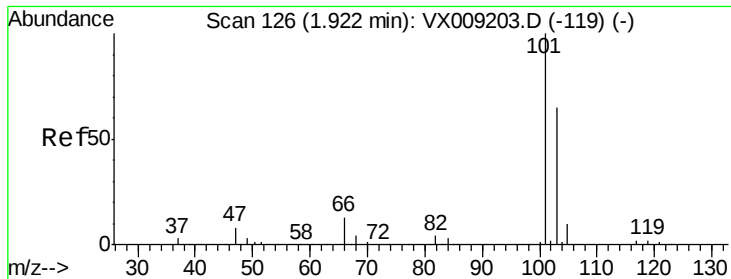
66 32.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

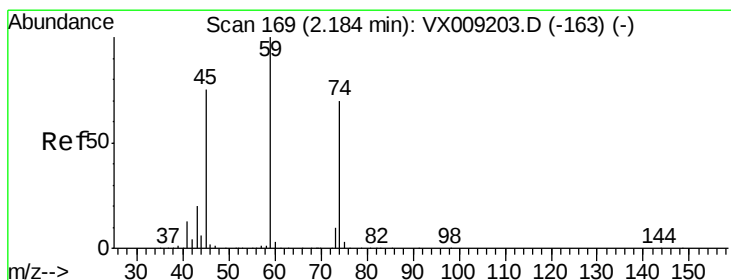
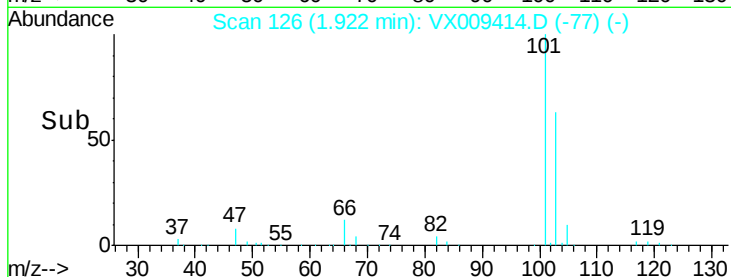
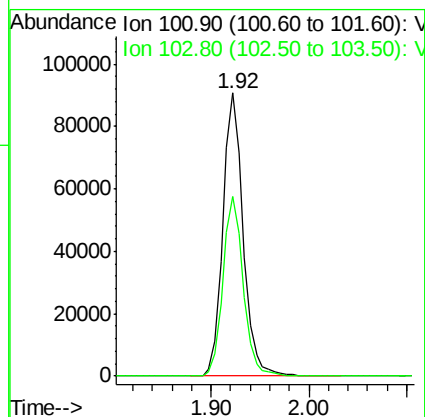
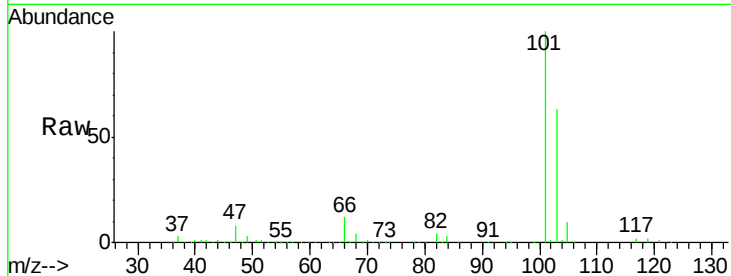
Trichlorofluoromethane
 Concen: 54.325 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Instrument :
 MSVOA_X
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 VSTDCCC050EC

Tot Ion:101 Resp: 130166
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.4 78.6

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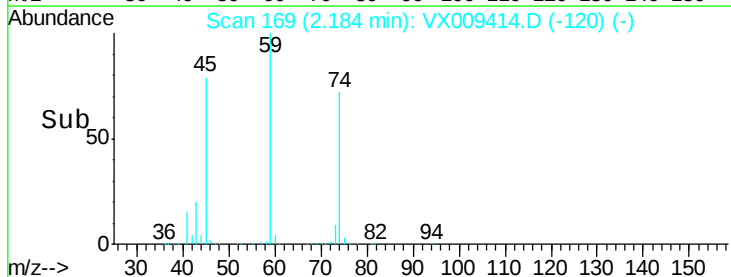
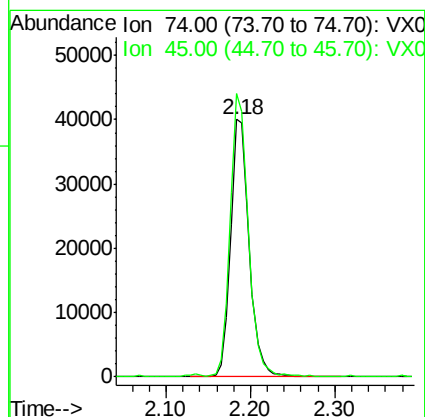
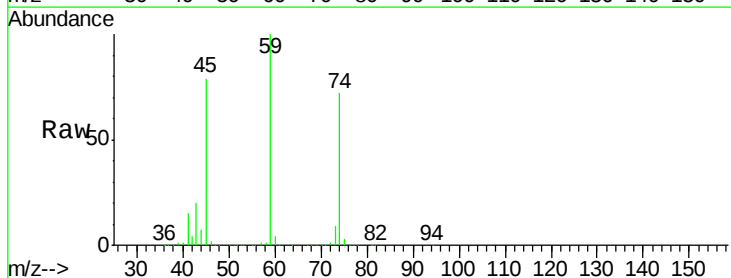
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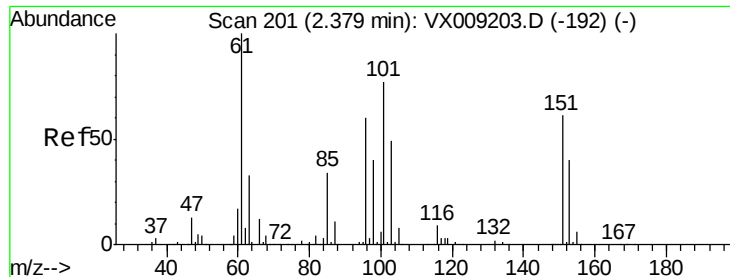


#8

Diethyl Ether
 Concen: 53.127 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Tgt Ion: 74 Resp: 60297
 Ion Ratio Lower Upper
 74 100
 45 107.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.681 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 77762

Ion Ratio Lower Upper

101 100

85 43.7 35.7 53.5

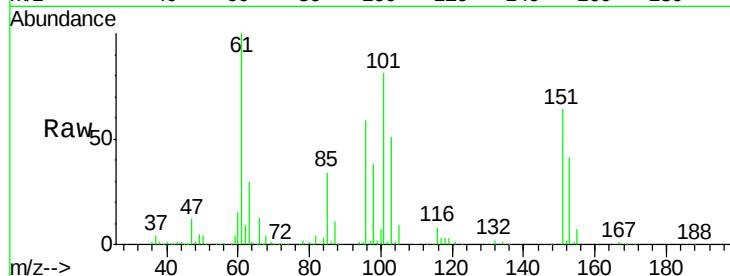
151 79.5 62.2 93.2

Manual Integrations

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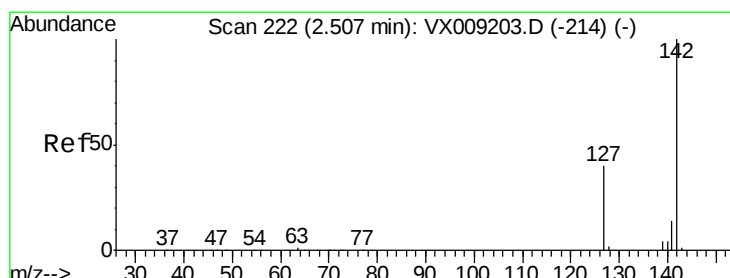
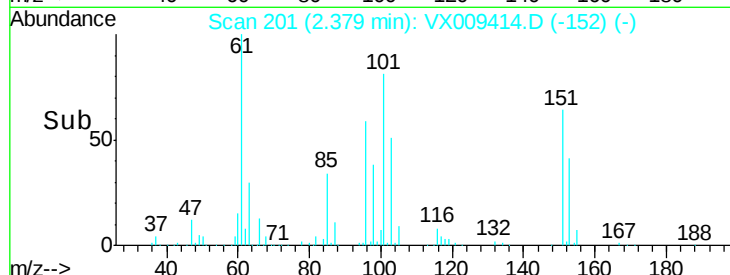
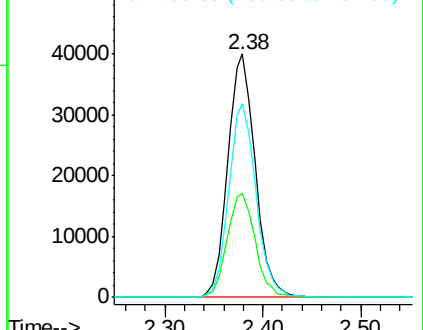
5/9/2019 9:49:43 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.085 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

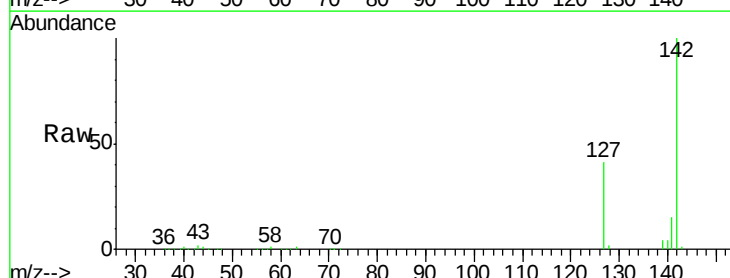
Tgt Ion:142 Resp: 89500

Ion Ratio Lower Upper

142 100

127 40.8 32.7 49.1

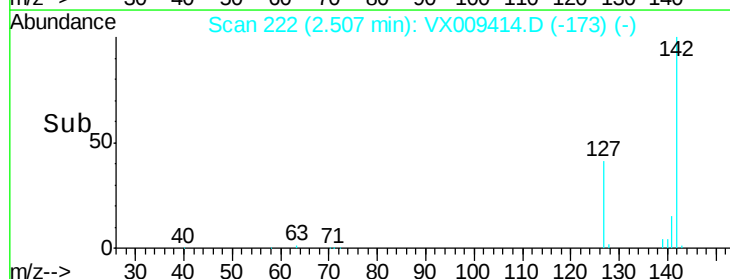
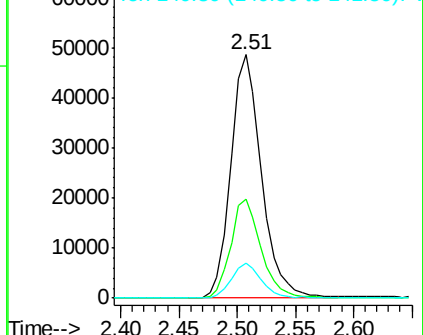
141 14.2 11.5 17.3

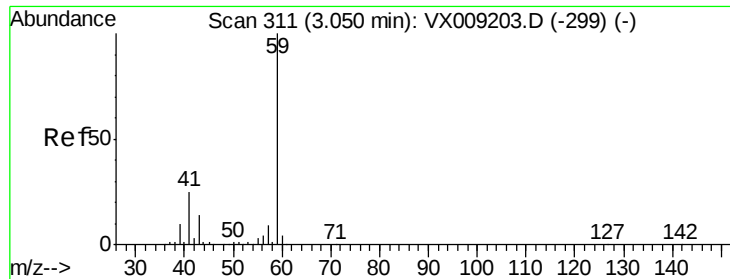


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





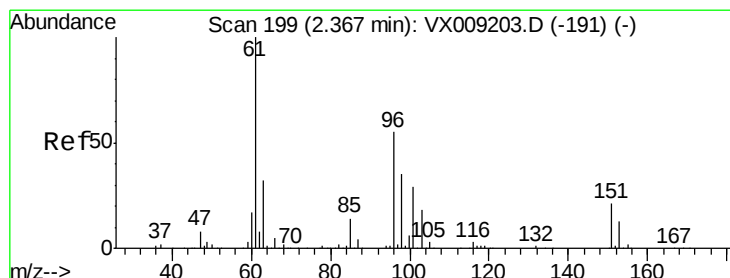
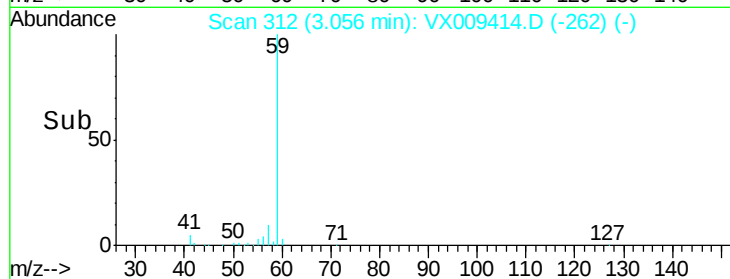
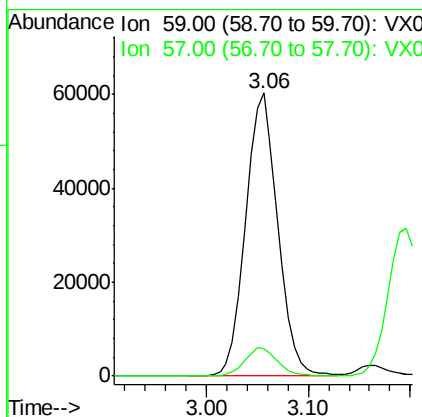
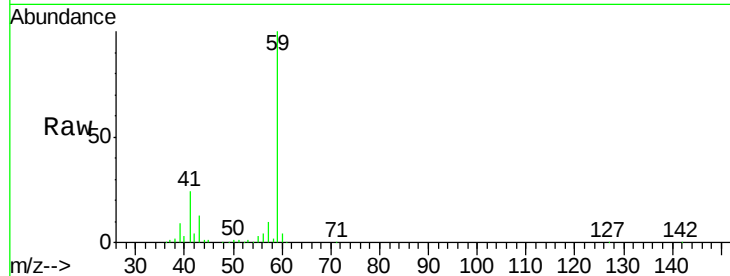
#11
Tert butyl alcohol
Concen: 260.685 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 132353
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

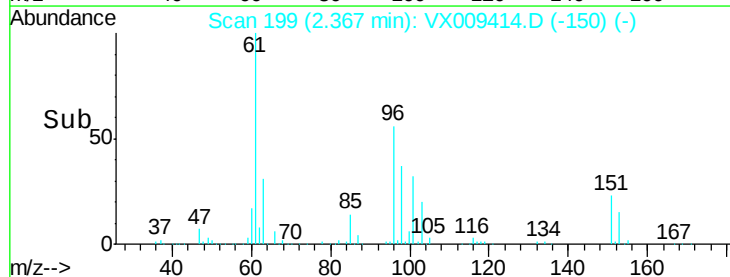
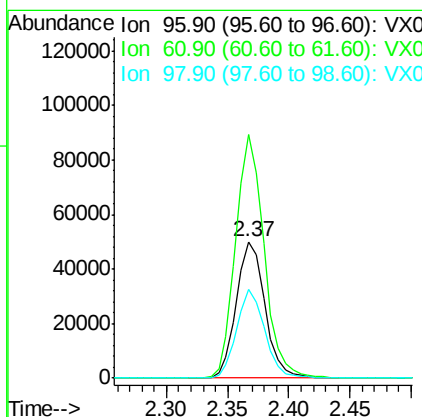
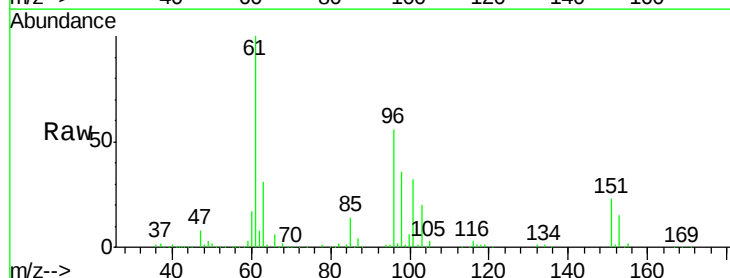
Manual Integrations
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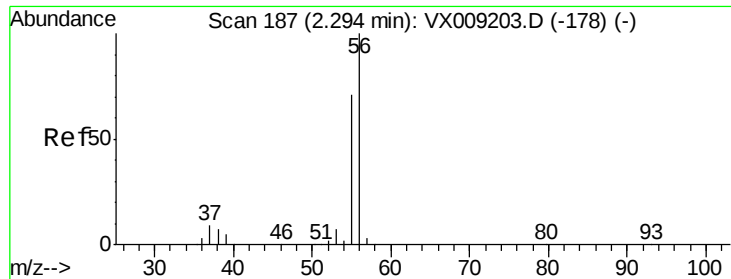
MMDadoda
5/9/2019 9:49:43 AM



#12
1,1-Dichloroethene
Concen: 54.096 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion: 96 Resp: 81554
Ion Ratio Lower Upper
96 100
61 178.9 144.3 216.5
98 65.3 50.3 75.5





#13

Acrolein

Concen: 213.390 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 98117

Ion Ratio Lower Upper

56 100

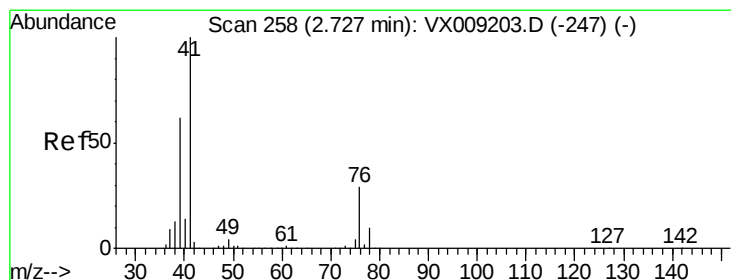
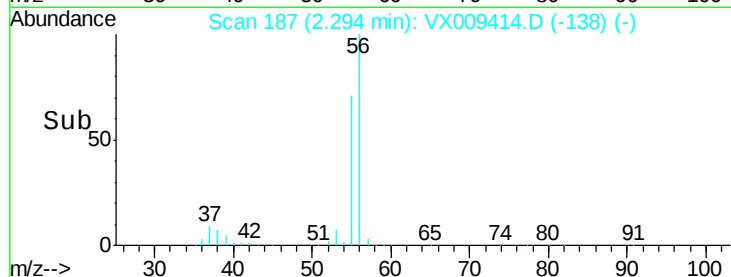
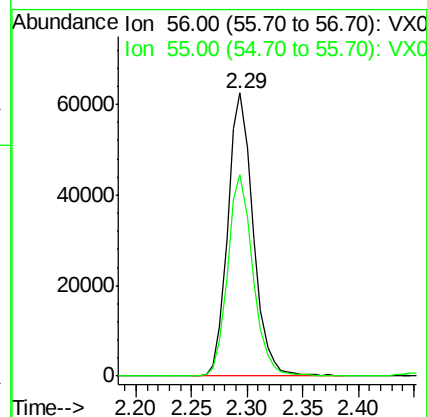
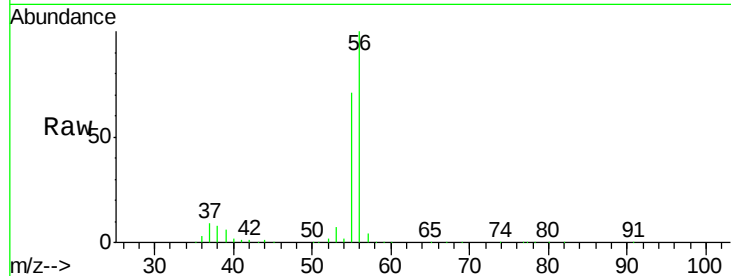
55 70.7 56.6 85.0

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#14

Allyl chloride

Concen: 50.786 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

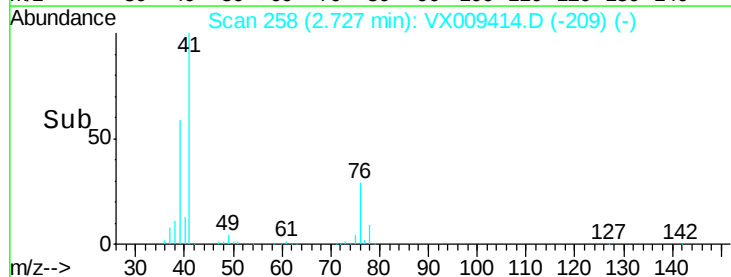
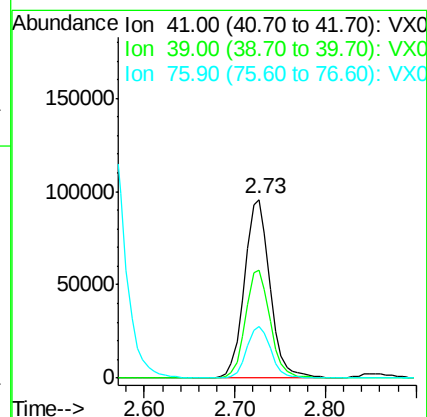
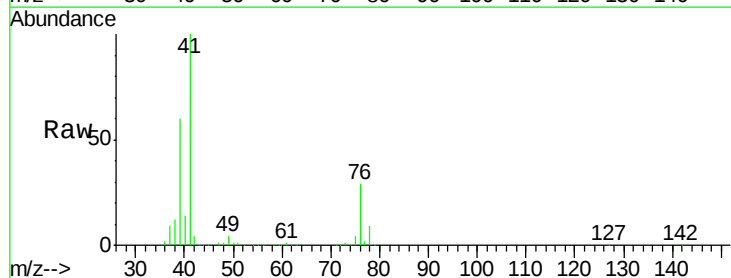
Tgt Ion: 41 Resp: 186588

Ion Ratio Lower Upper

41 100

39 58.2 46.7 70.1

76 27.4 21.8 32.8





#15

Acrylonitrile

Concen: 261.627 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

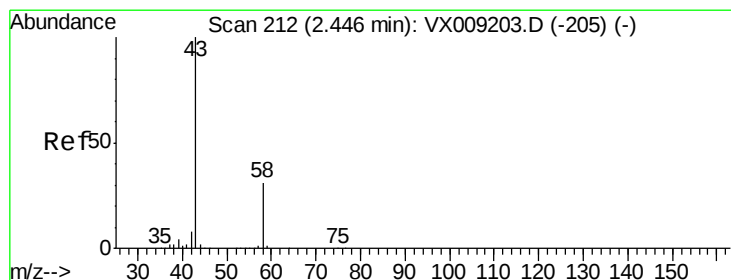
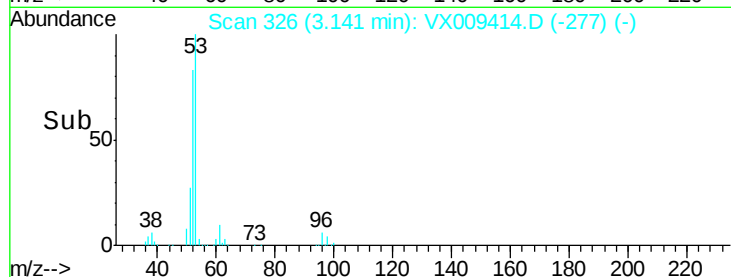
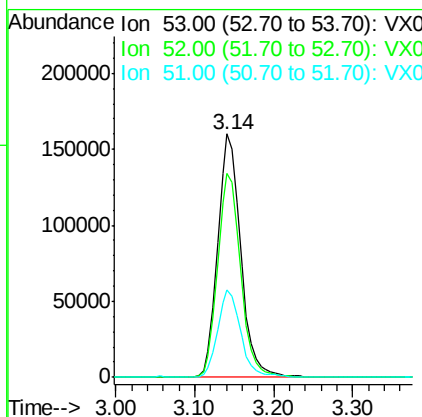
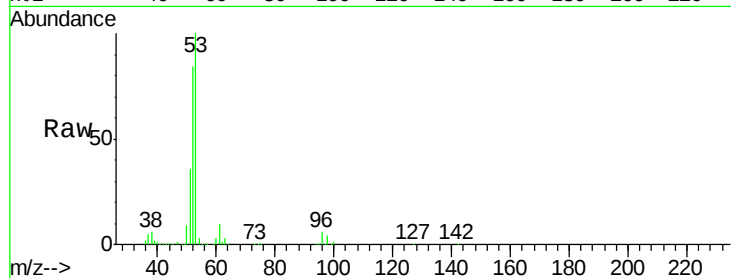
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	324783
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.9	100.3
51	35.9	28.2	42.2

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#16

Acetone

Concen: 234.438 ug/l

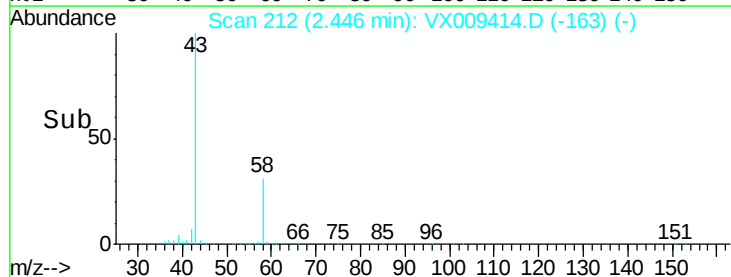
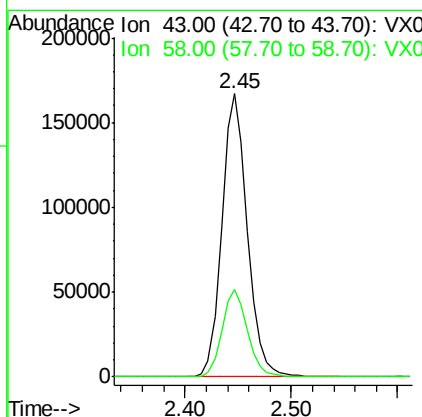
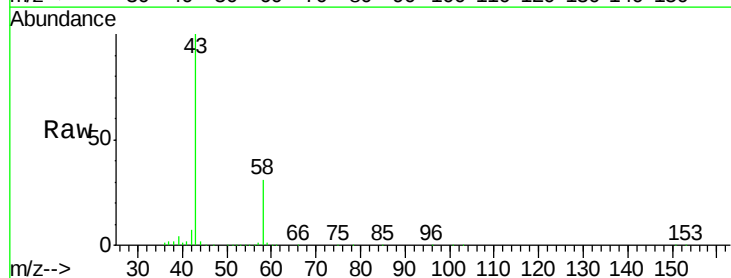
RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Tgt Ion:	43	Resp:	276111
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.9	37.3





#17

Carbon Disulfide

Concen: 55.483 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 234839

Ion Ratio Lower Upper

76 100

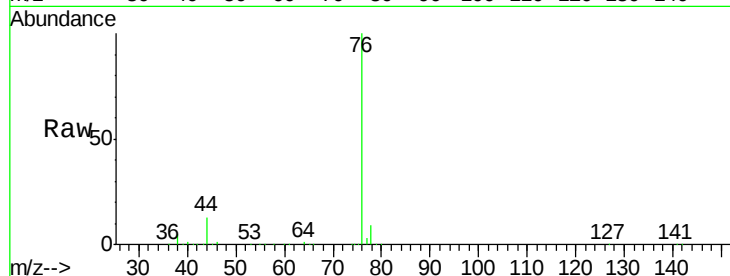
78 9.4 7.4 11.0

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

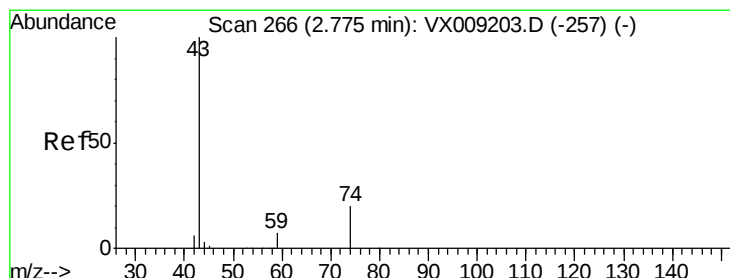
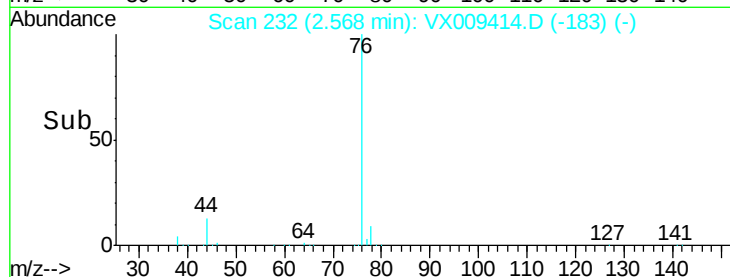
2.57

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.189 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009414.D

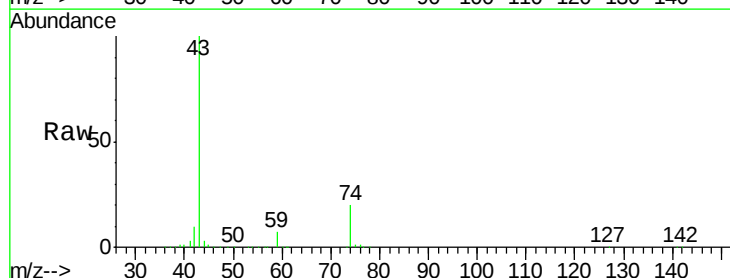
Acq: 08 May 2019 21:25

Tgt Ion: 43 Resp: 140578

Ion Ratio Lower Upper

43 100

74 20.8 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

80000

2.78

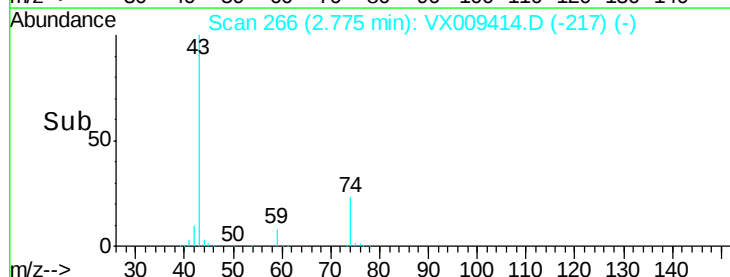
60000

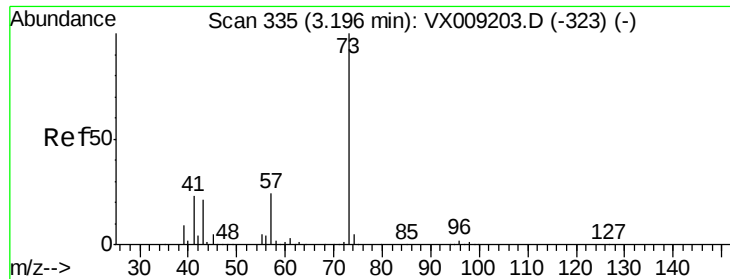
40000

20000

0

Time-->





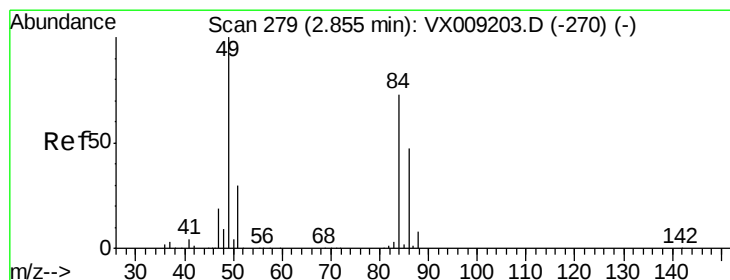
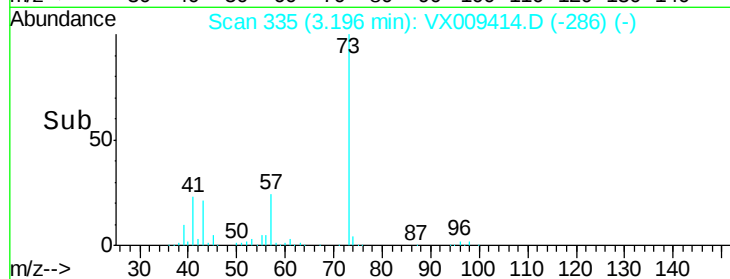
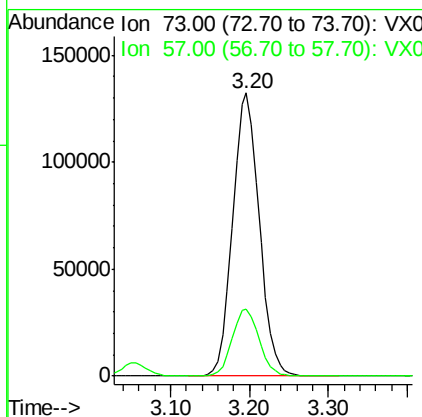
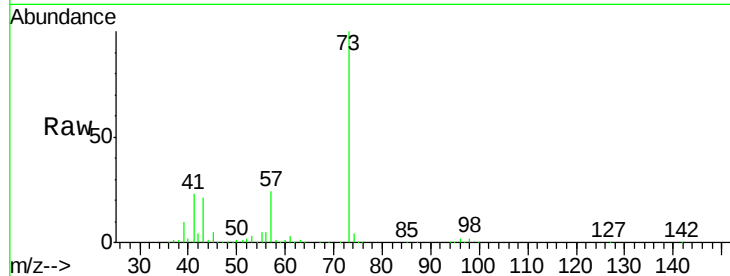
#19
Methvl tert-butvl Ether
Concen: 52.998 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.3	28.9

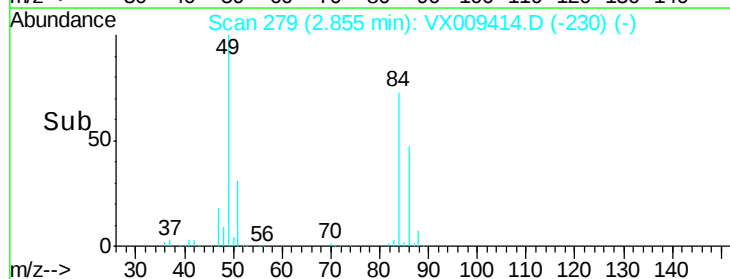
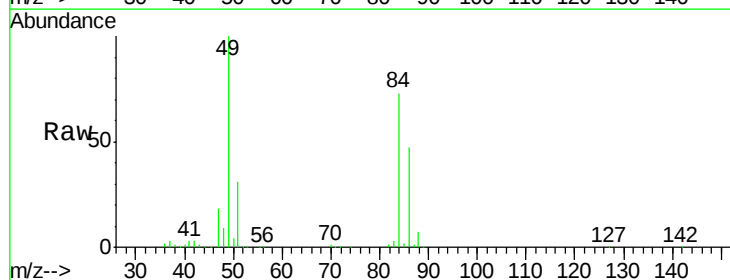
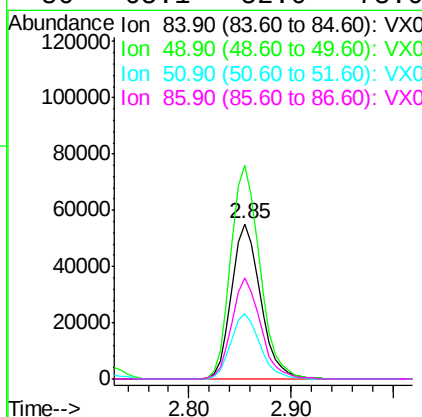
Manual Integrations
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#20
Methylene Chloride
Concen: 56.832 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.4	109.9	164.9
51	42.1	32.7	49.1
86	65.1	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 53.614 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 87658

Ion Ratio Lower Upper

96 100

61 153.7 124.5 186.7

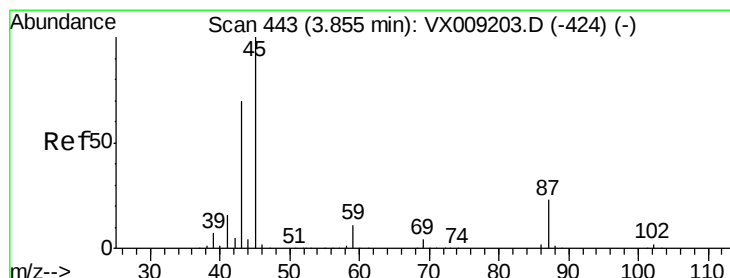
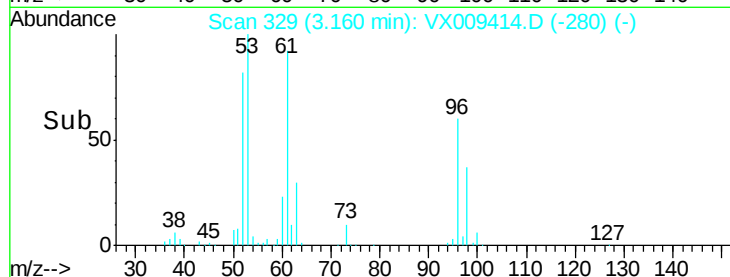
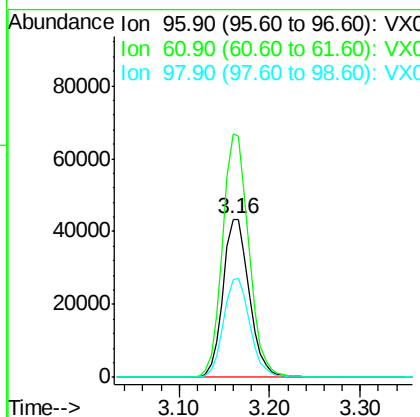
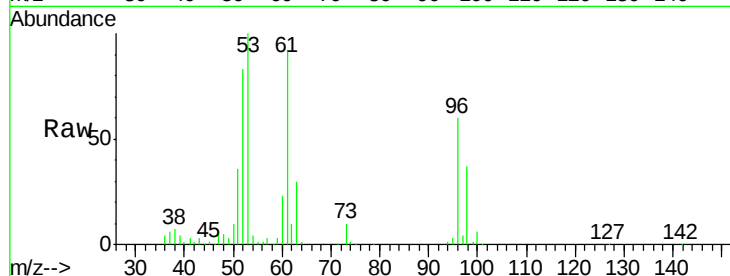
98 62.0 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.230 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Tgt Ion: 45 Resp: 369027

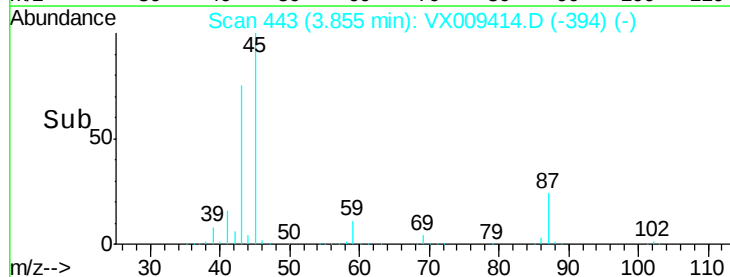
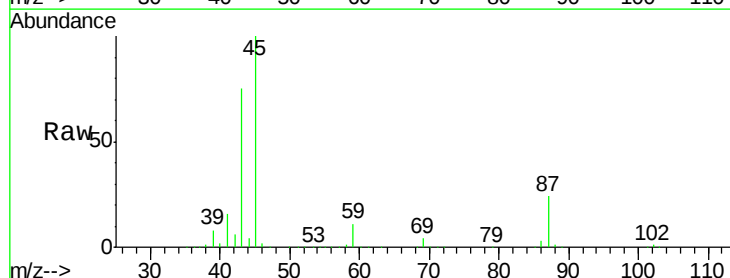
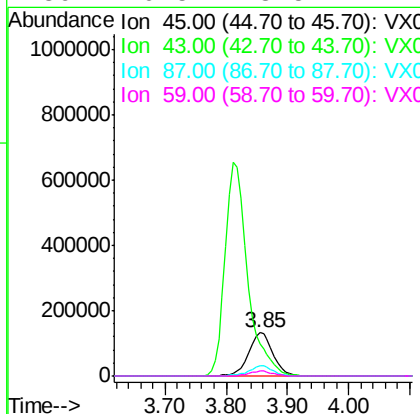
Ion Ratio Lower Upper

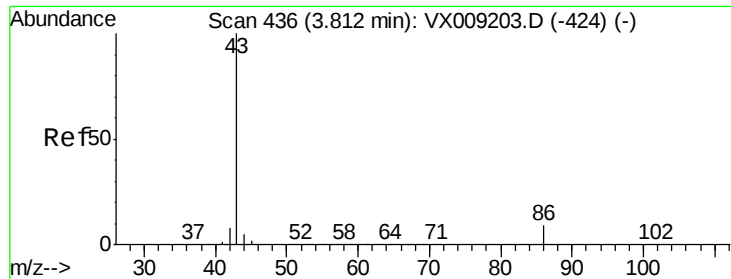
45 100

43 74.7 56.1 84.1

87 23.5 18.1 27.1

59 10.5 8.5 12.7





#23

Vinyl Acetate

Concen: 276.898 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1675303

Ion Ratio Lower Upper

43 100

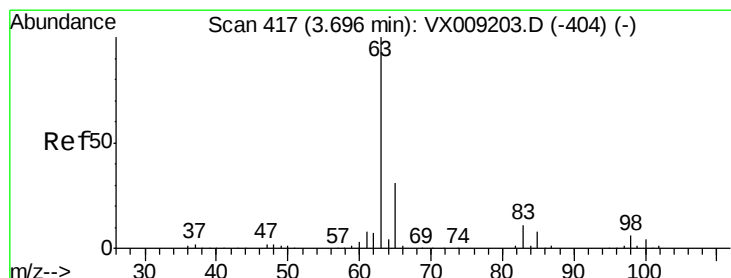
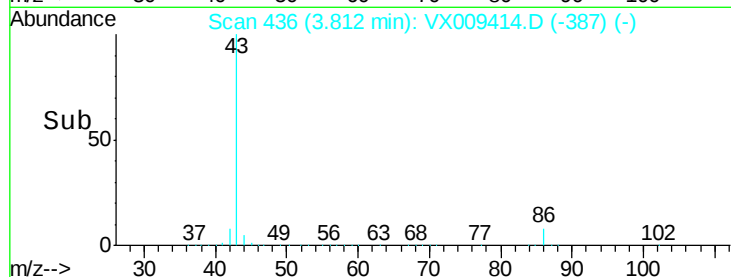
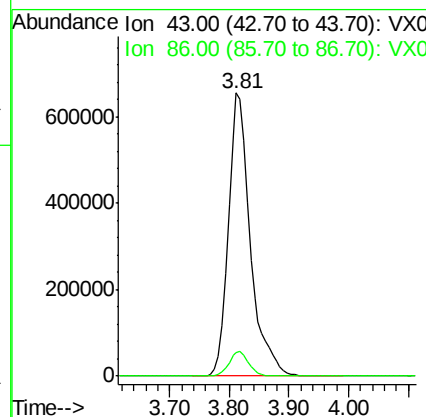
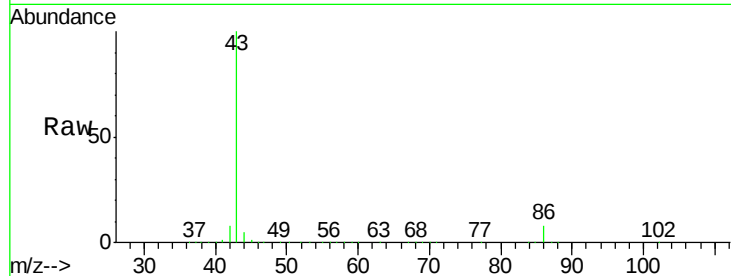
86 8.3 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 51.820 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

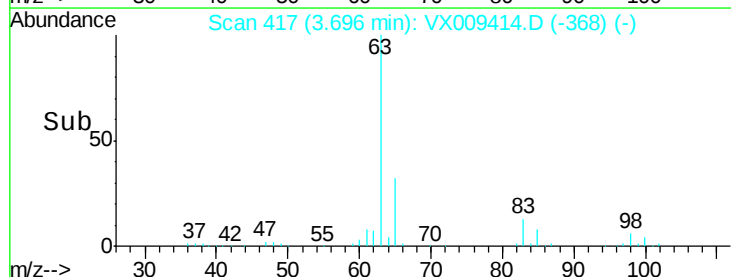
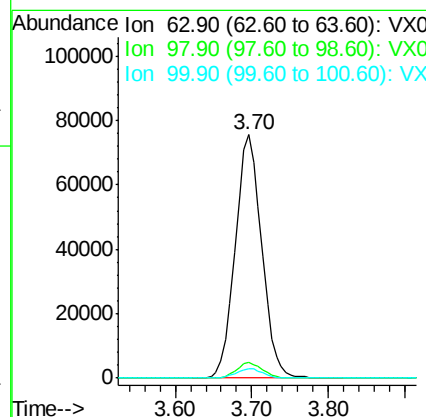
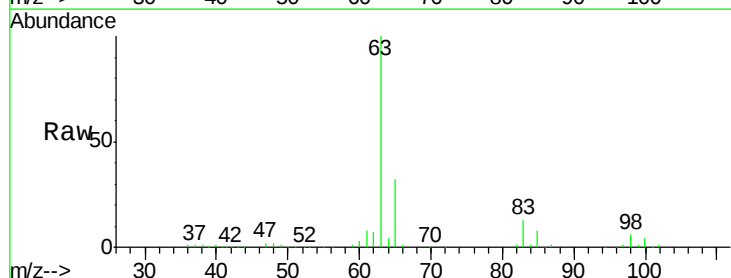
Tgt Ion: 63 Resp: 180617

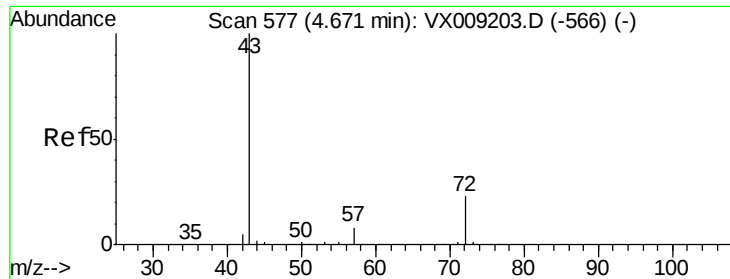
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 261.836 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 479212

Ion Ratio Lower Upper

43 100

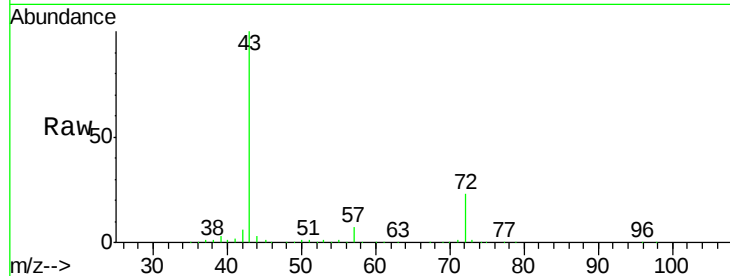
72 22.5 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

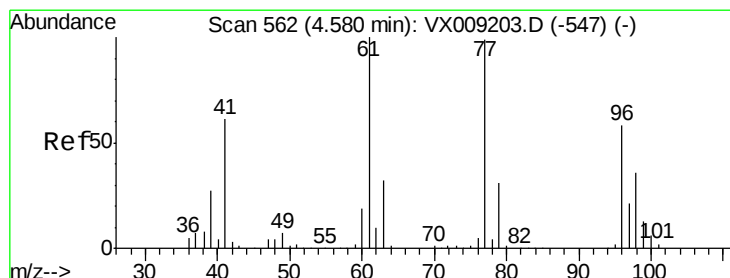
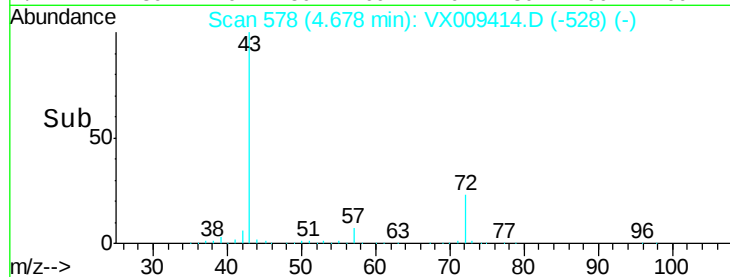
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 43.152 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009414.D

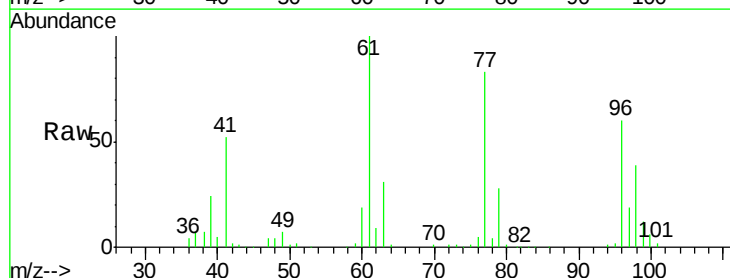
Acq: 08 May 2019 21:25

Tgt Ion: 77 Resp: 111953

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

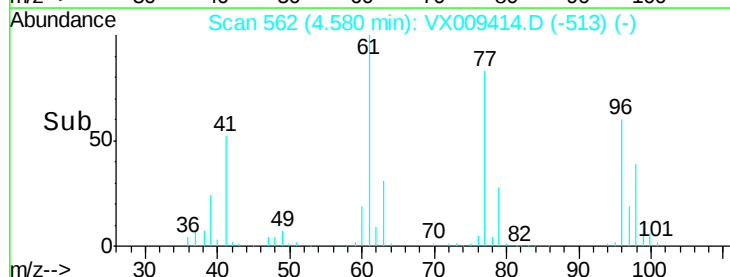
0

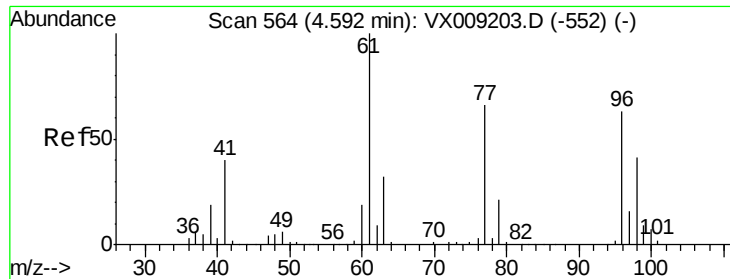
4.50

4.60

4.70

Time-->





#27

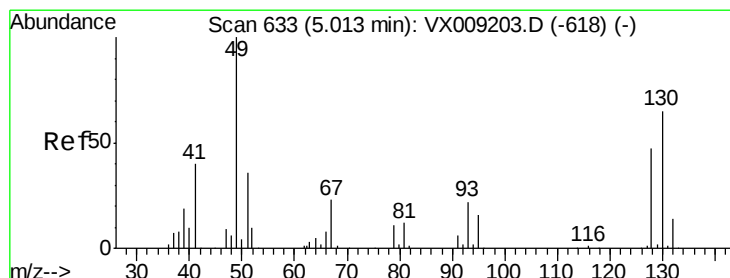
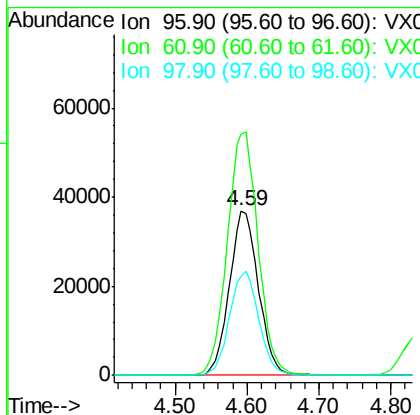
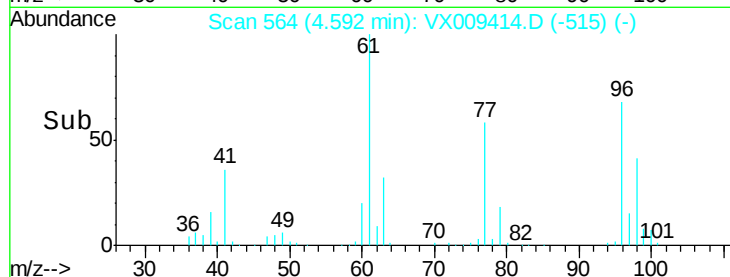
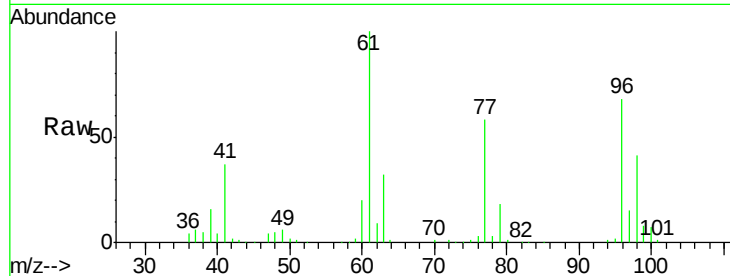
cis-1,2-Dichloroethene
Concen: 52.939 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	103312		
61	157.6		0.0	324.0
98	64.0		0.0	130.4

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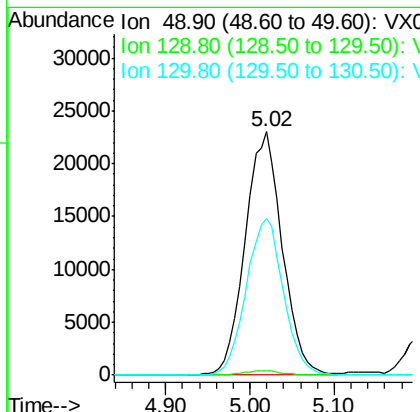
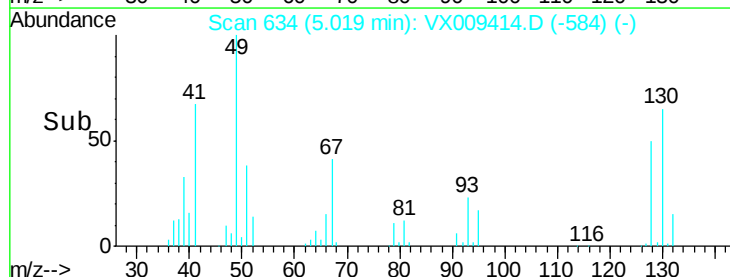
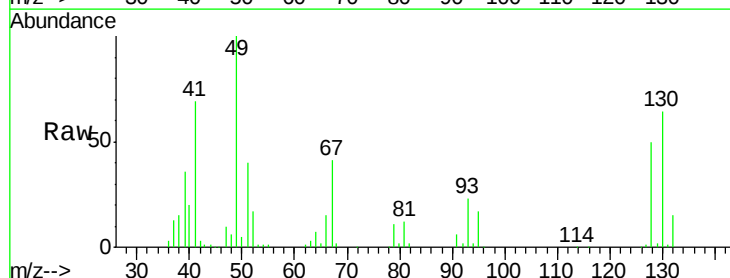
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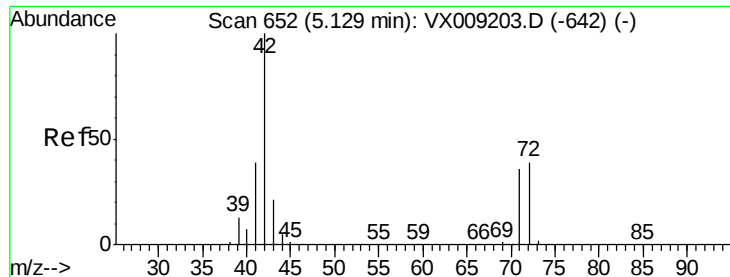


#28

Bromochloromethane
Concen: 48.971 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	68789		
129	1.9		0.0	3.8
130	64.3		51.2	76.8





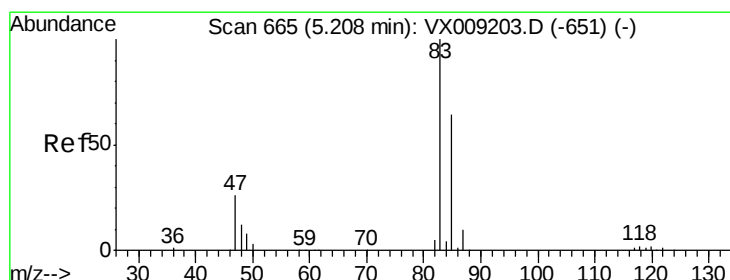
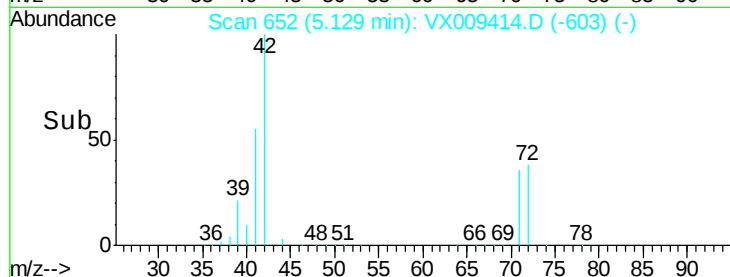
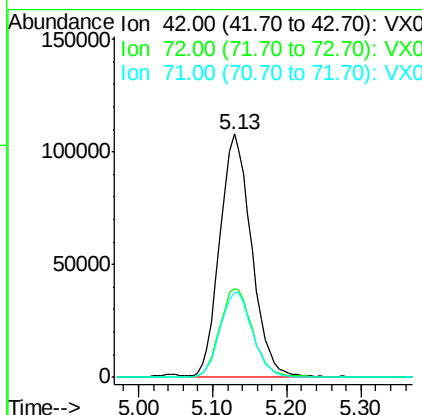
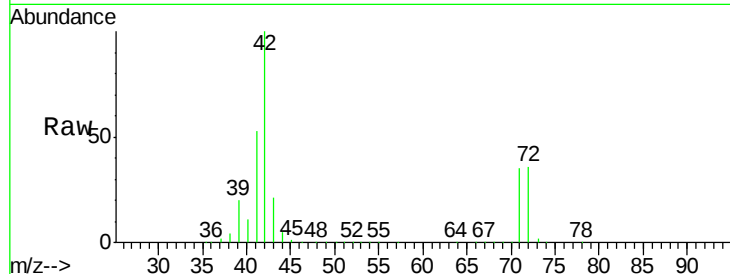
#29
Tetrahydrofuran
Concen: 271.418 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.4	45.6
71	35.8	28.6	43.0

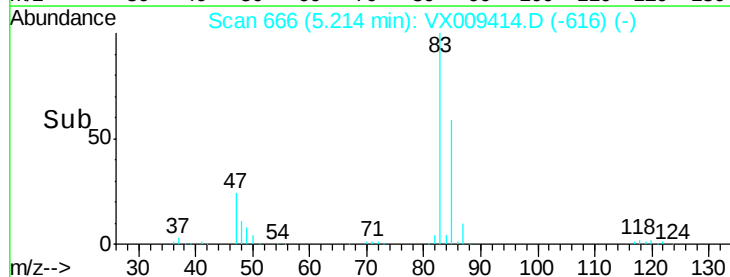
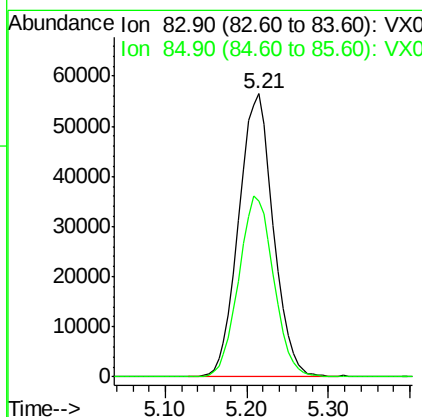
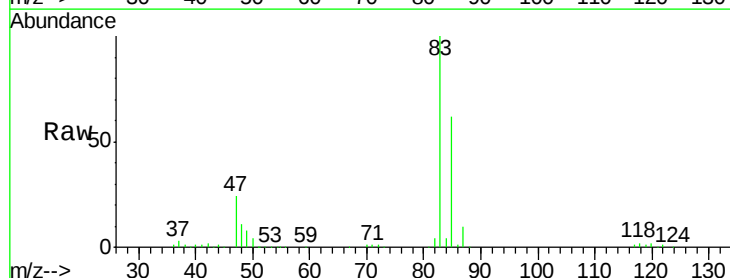
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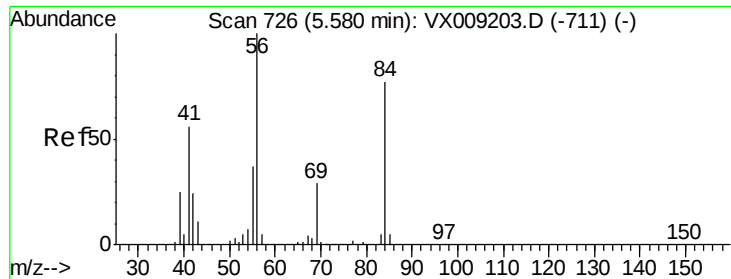
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#30
Chloroform
Concen: 52.982 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.5	77.3





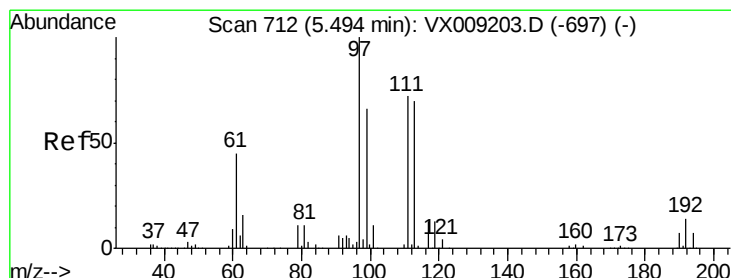
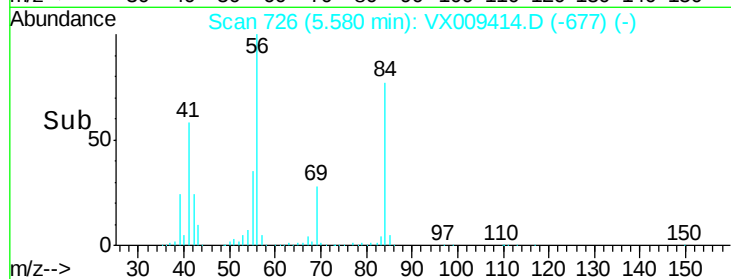
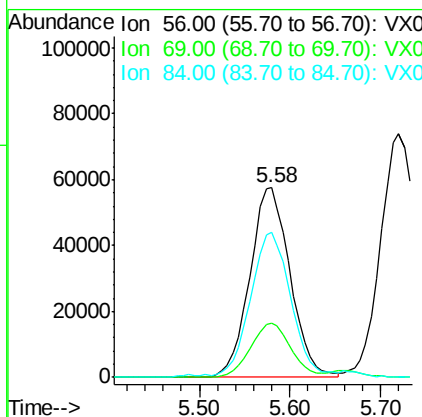
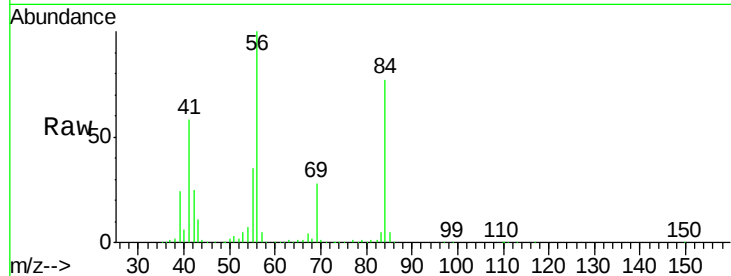
#31
Cyclohexane
Concen: 54.496 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.4	35.0
84	75.4	61.9	92.9

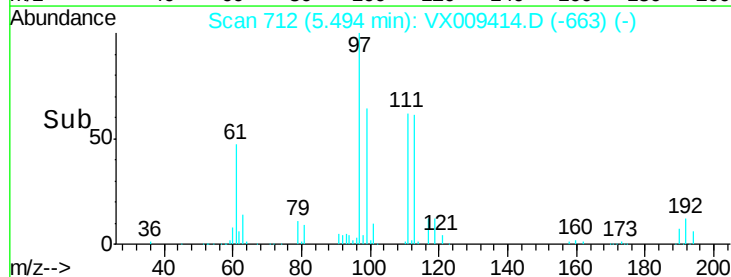
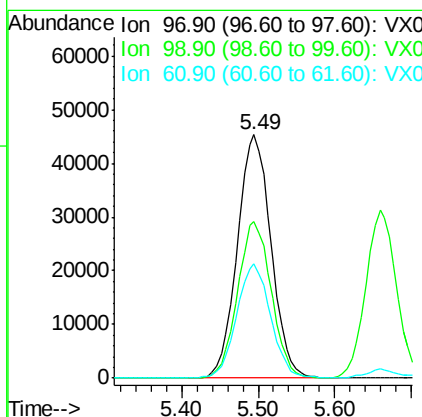
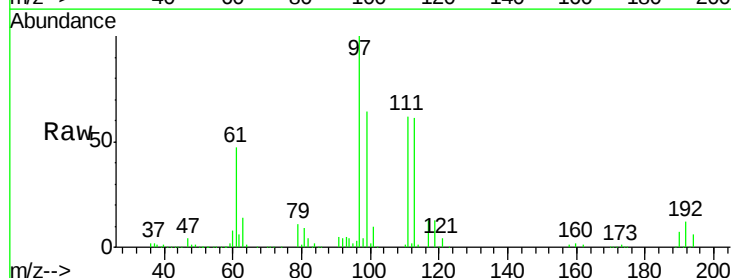
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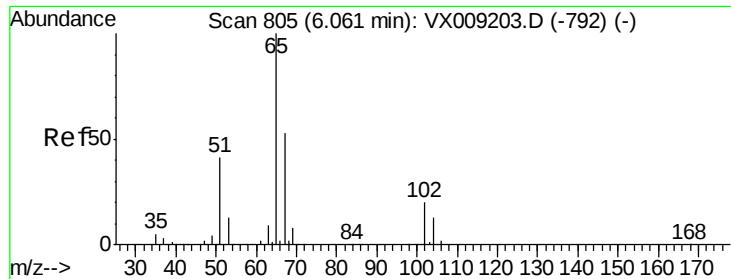
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#32
1,1,1-Trichloroethane
Concen: 52.833 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	47.2	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 48.356 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Tot Ion: 65 Resp: 106063

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.6

Instrument :

MSVOA_X

ClientSampleId :

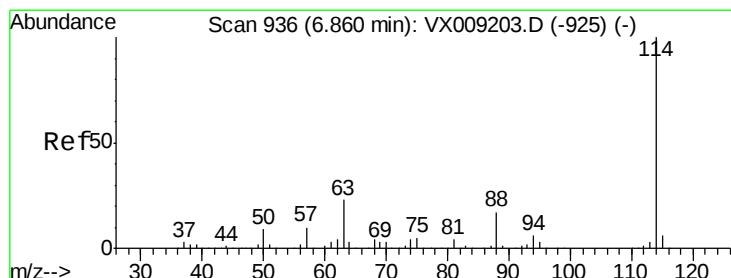
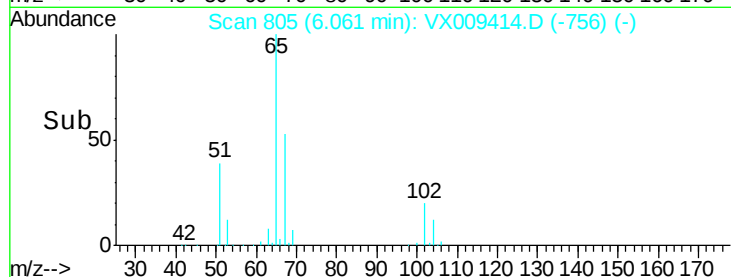
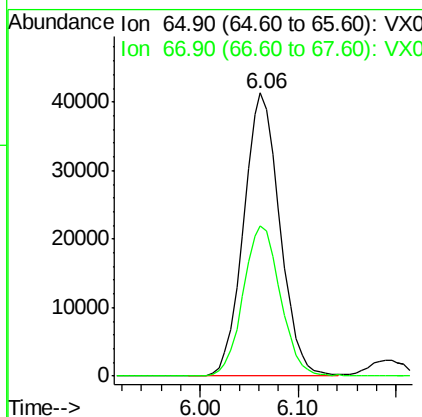
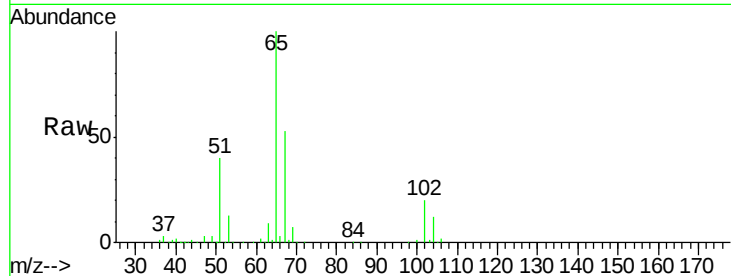
VSTDCCC050EC

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

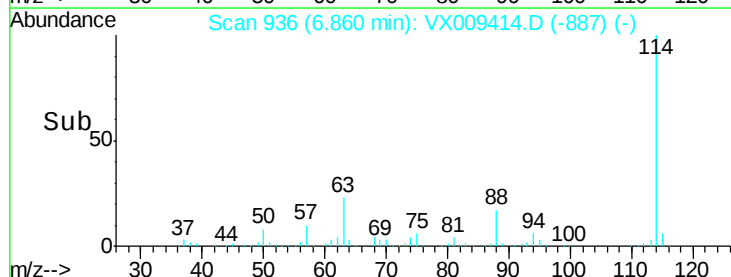
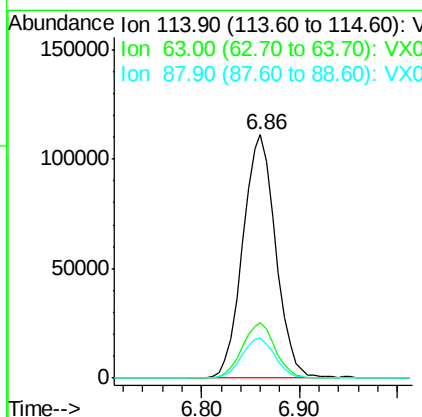
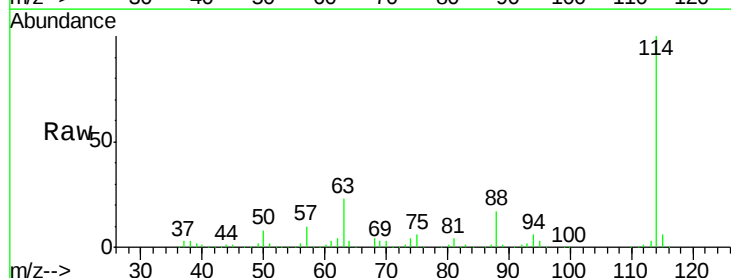
Tgt Ion: 114 Resp: 258870

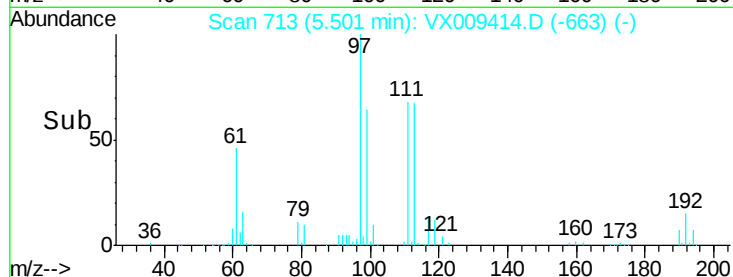
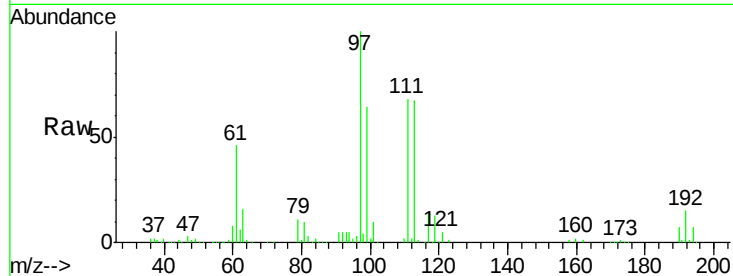
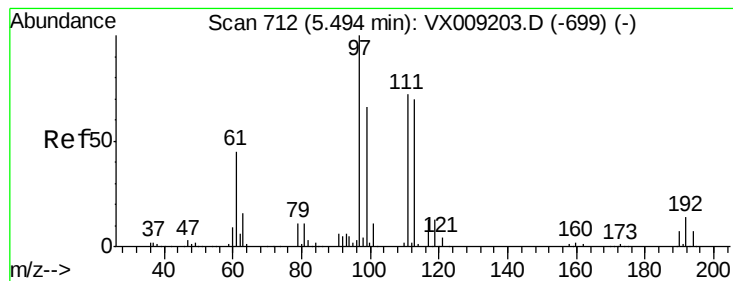
Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.277 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Tot Ion:	113	Resp:	80192
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.8	124.2
192	21.9	17.0	25.6

Instrument :

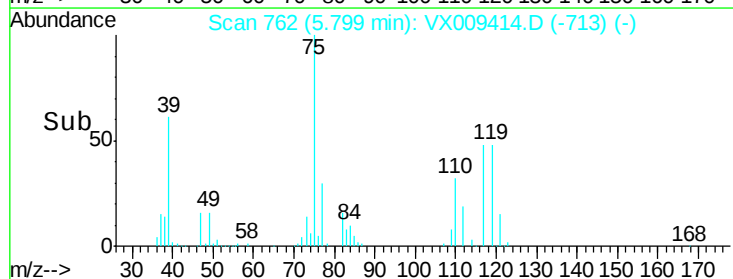
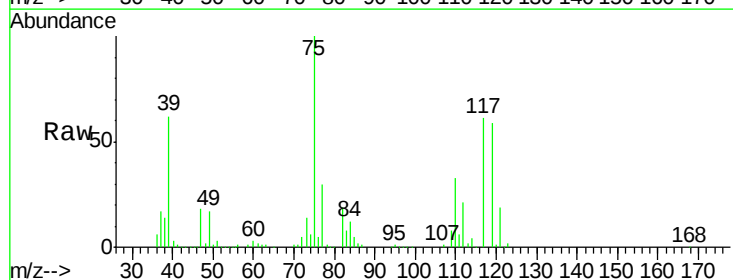
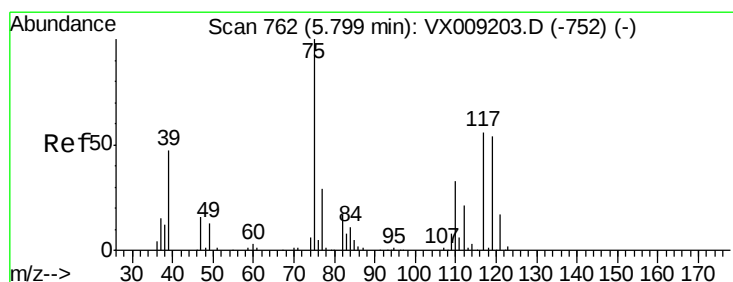
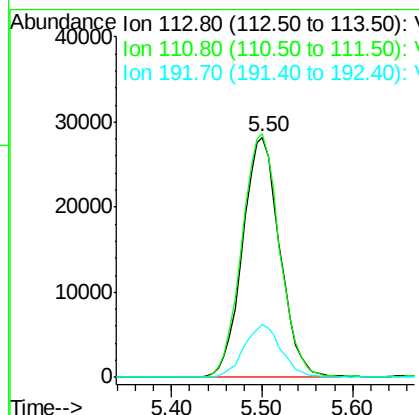
MSVOA_X

ClientSampleId :

VSTDCCC050EC

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#36

1,1-Dichloropropene

Concen: 53.375 ug/l

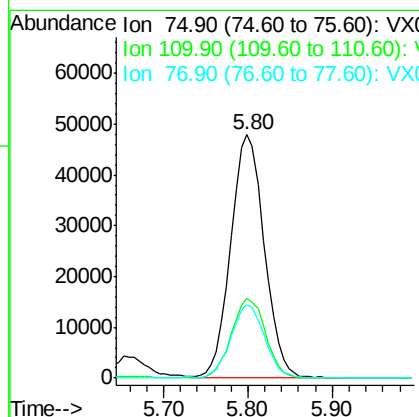
RT: 5.80 min Scan# 762

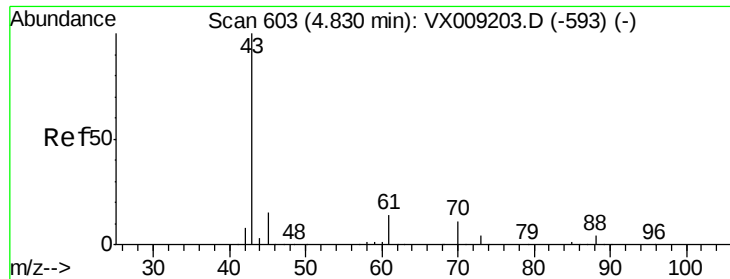
Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Tgt Ion:	75	Resp:	128404
Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.6
77	30.7	24.8	37.2





#37

Ethyl Acetate

Concen: 54.741 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

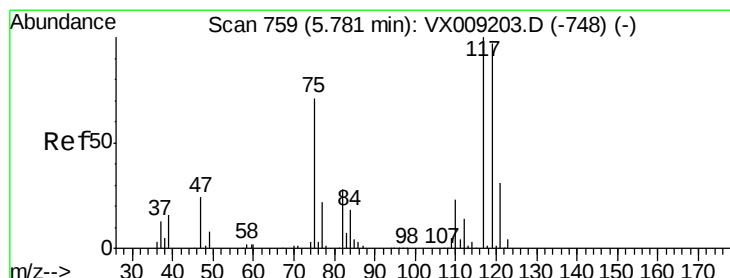
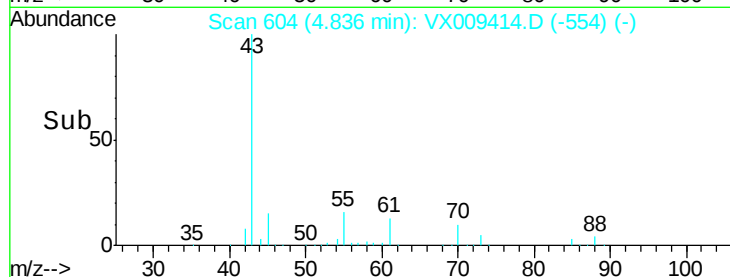
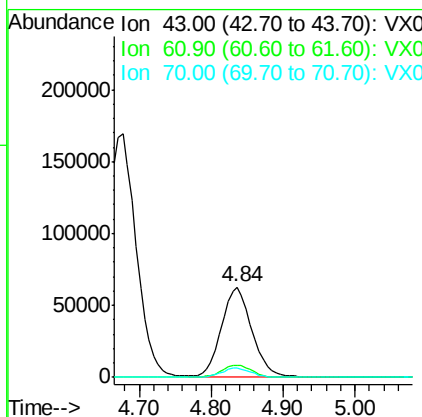
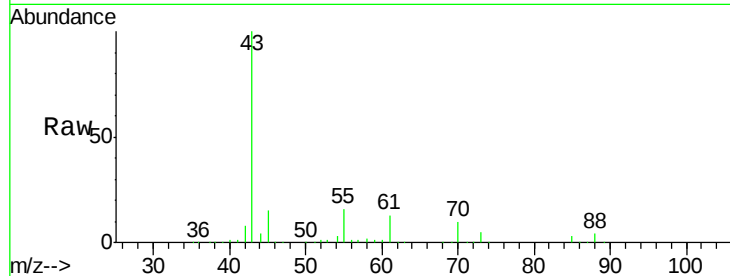
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	183485
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.6	7.9	11.9

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#38

Carbon Tetrachloride

Concen: 53.683 ug/l

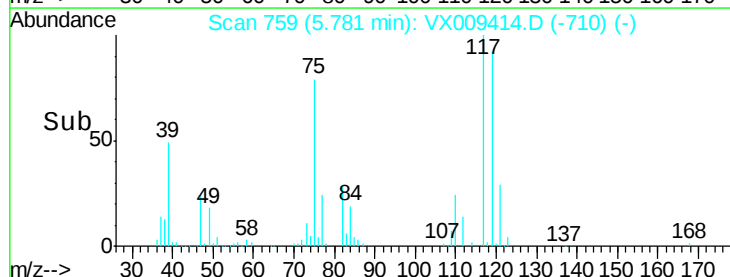
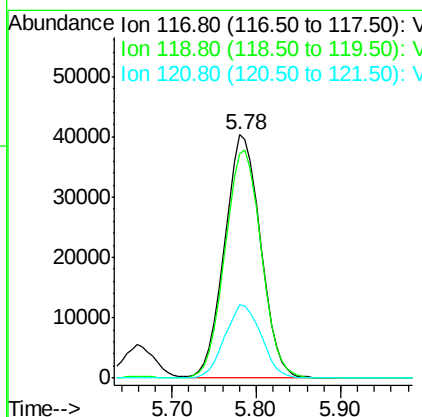
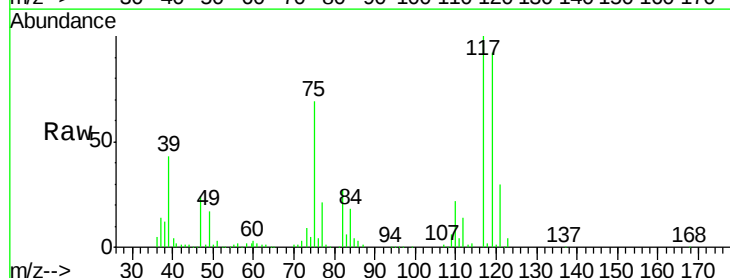
RT: 5.78 min Scan# 759

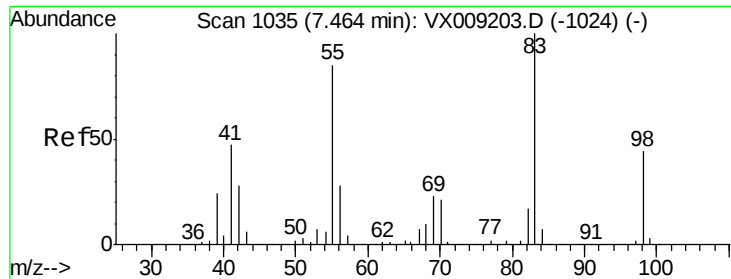
Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Tgt Ion:	117	Resp:	117337
Ion	Ratio	Lower	Upper
117	100		
119	92.2	77.5	116.3
121	30.1	24.7	37.1





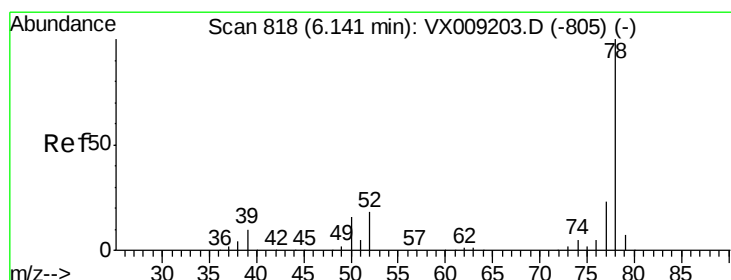
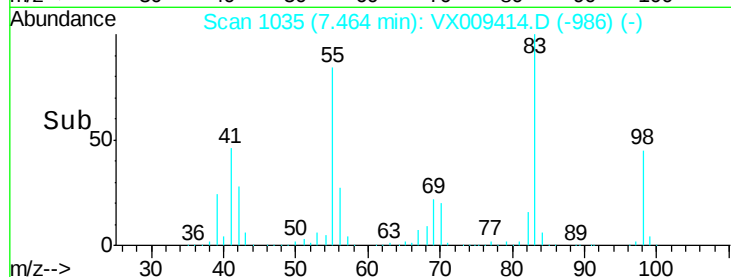
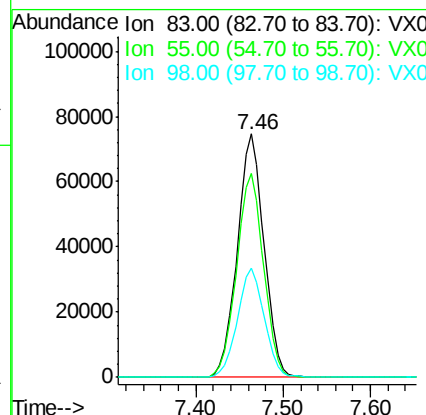
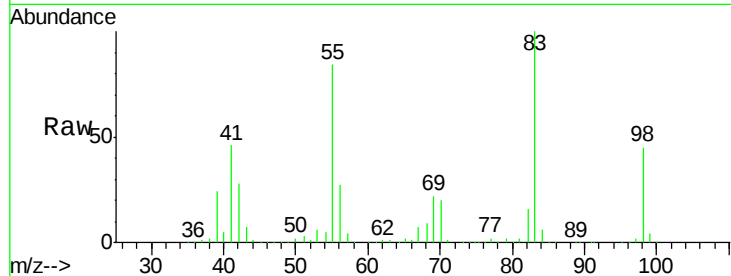
#39
Methvlcvclohexane
Concen: 53.650 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.9	67.7	101.5
98	45.1	35.5	53.3

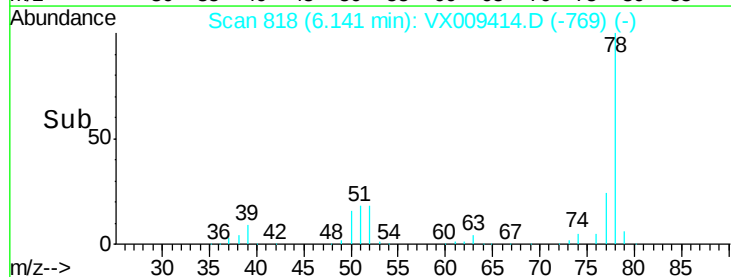
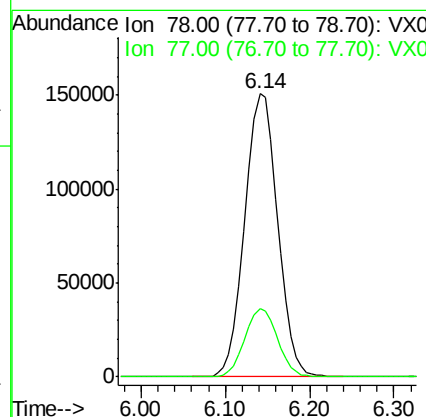
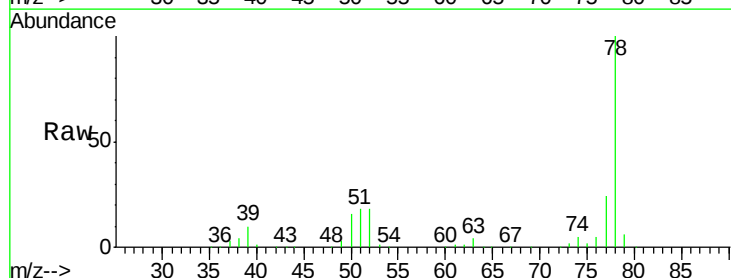
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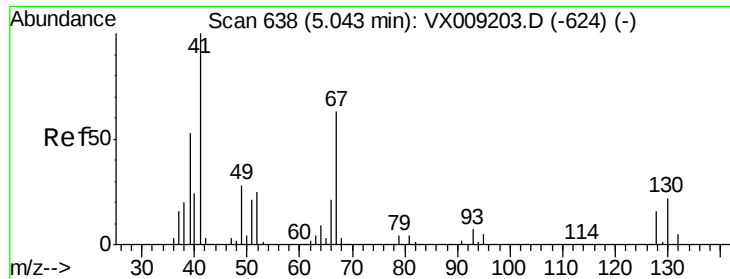
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#40
Benzene
Concen: 53.540 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





#41

Methacrylonitrile

Concen: 51.331 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

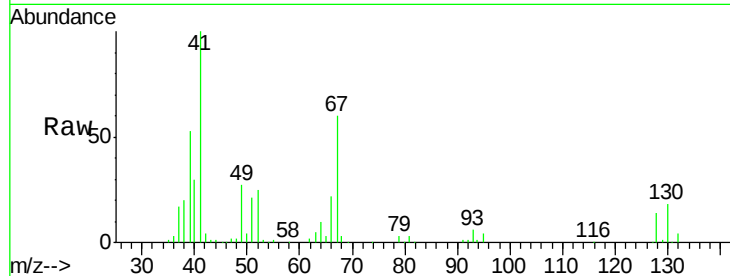
ClientSampleId :

VSTDCCC050EC

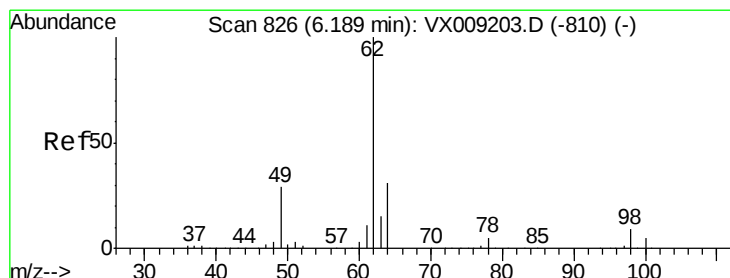
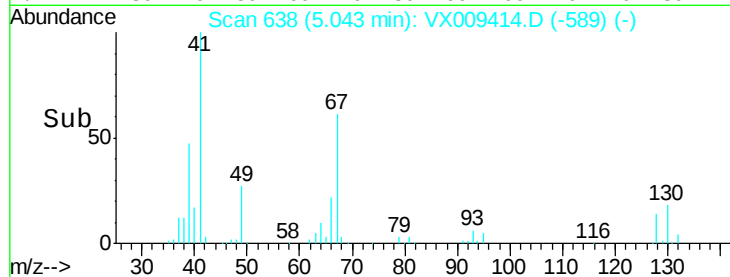
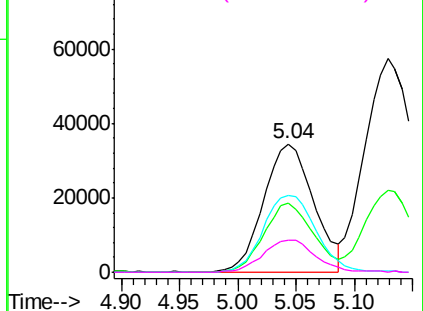
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.0	63.0	
67	63.5	49.8	74.8	
52	26.2	20.3	30.5	

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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.608 ug/l

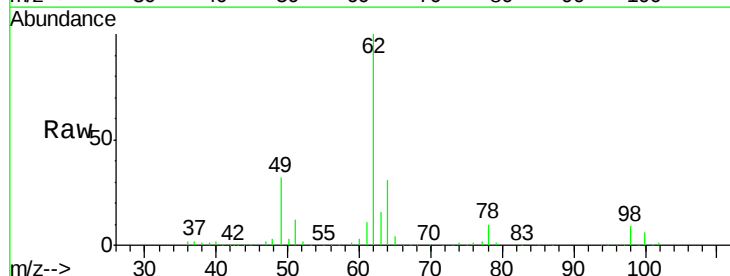
RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

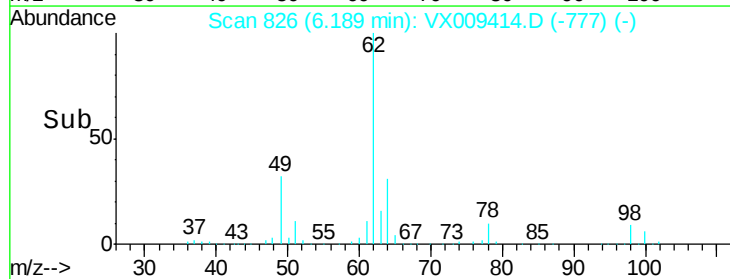
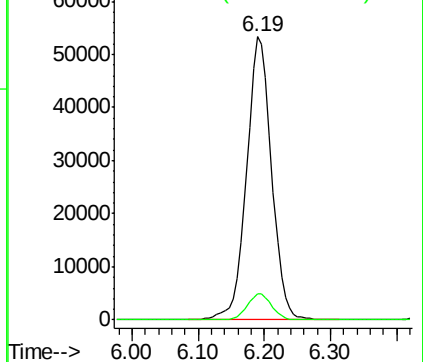
Lab File: VX009414.D

Acq: 08 May 2019 21:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.2	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

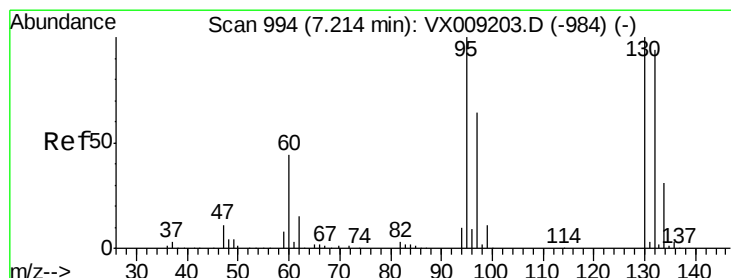
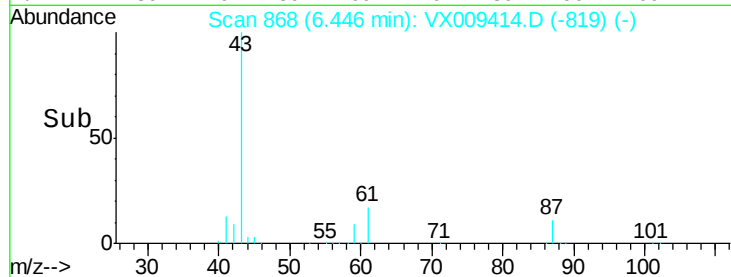
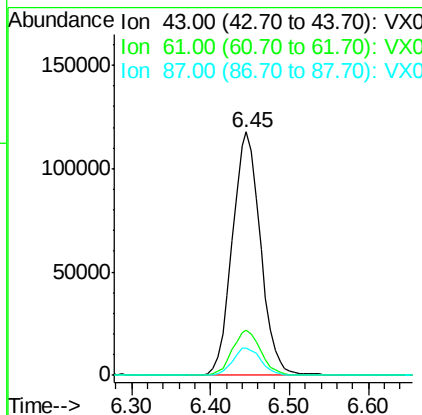
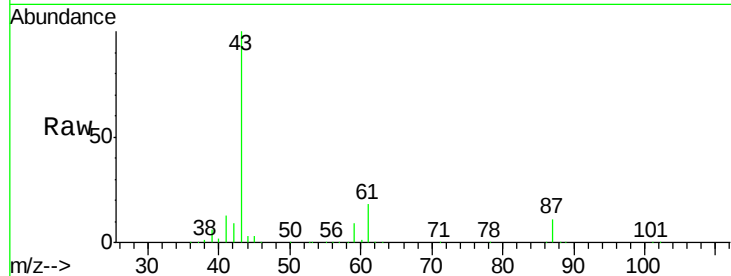
Isopropyl Acetate
 Concen: 54.317 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	11.5	9.0	13.6

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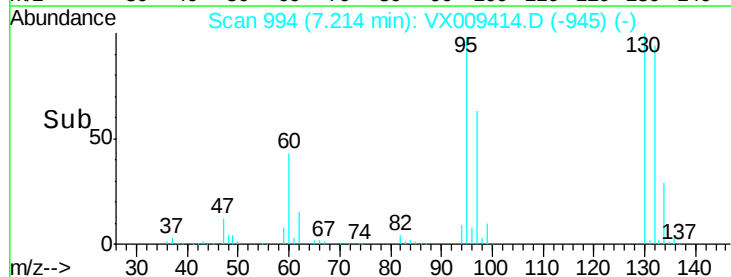
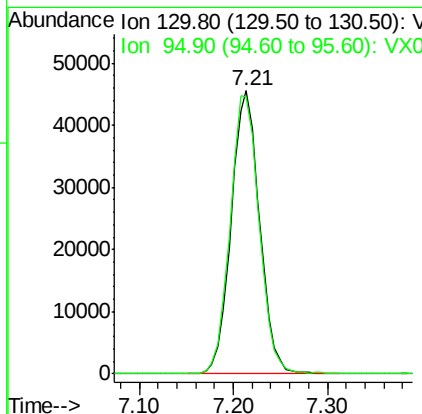
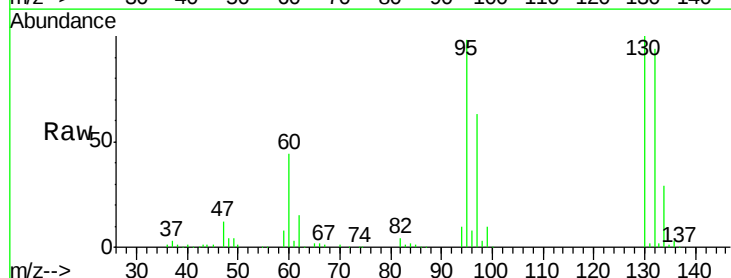
MMDadoda
 5/9/2019 9:49:43 AM

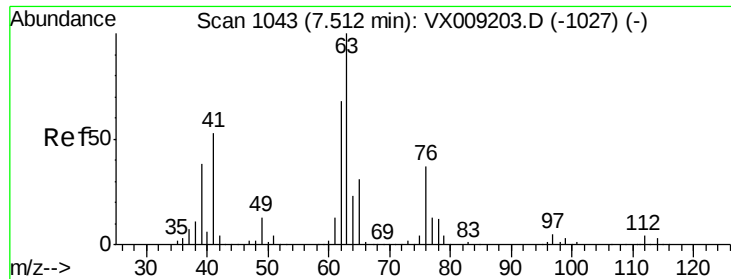


#44

Trichloroethene
 Concen: 52.867 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	199.2





#45

1,2-Dichloropropane

Concen: 53.179 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 112112

Ion Ratio Lower Upper

63 100

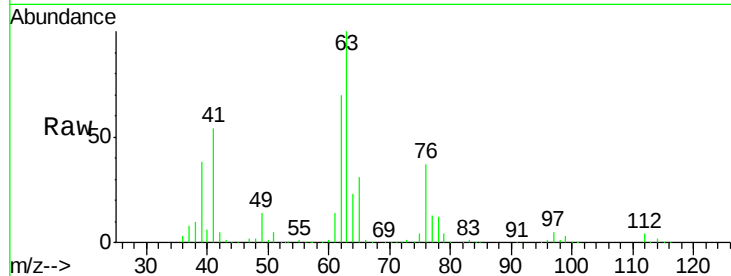
65 30.7 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

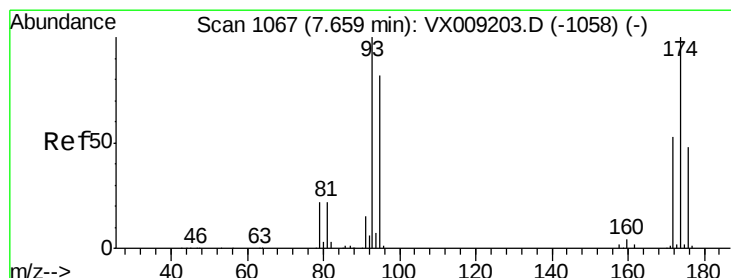
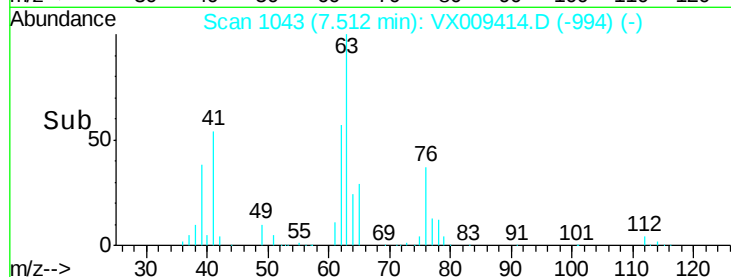
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 52.351 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

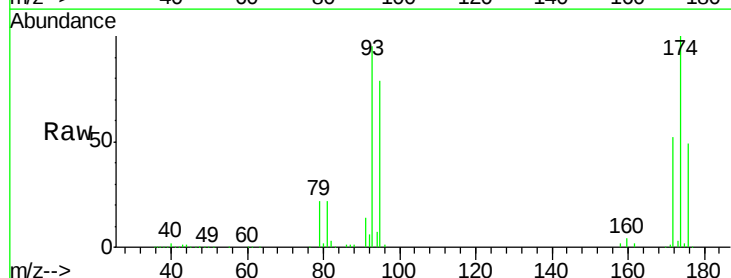
Tgt Ion: 93 Resp: 64091

Ion Ratio Lower Upper

93 100

95 83.4 66.5 99.7

174 106.4 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

40000

30000

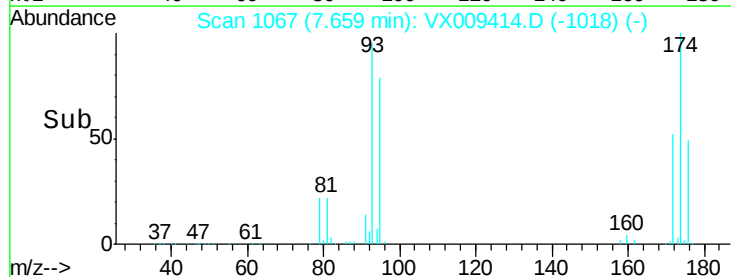
20000

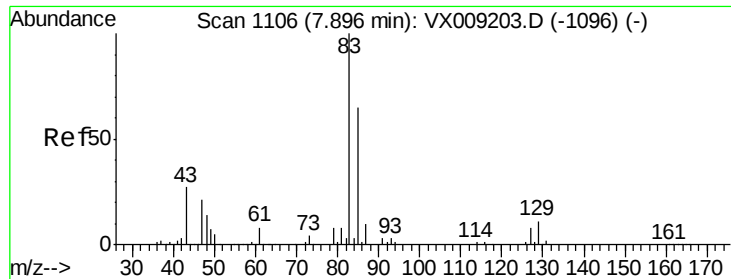
10000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 52.678 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

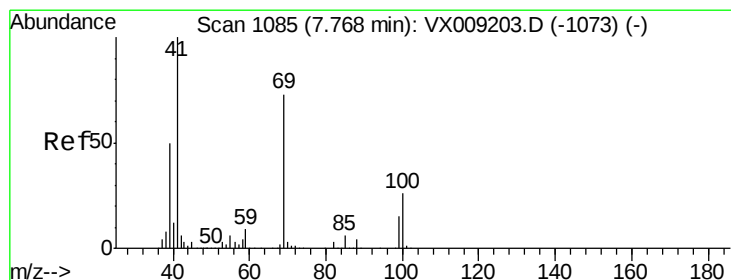
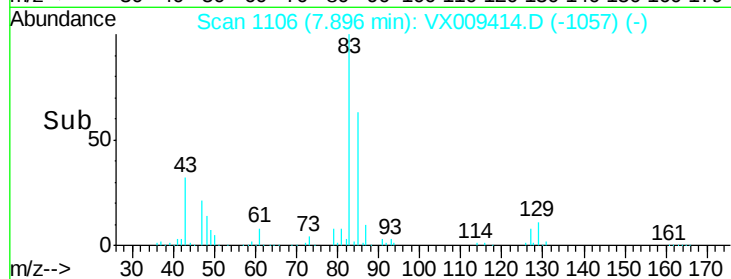
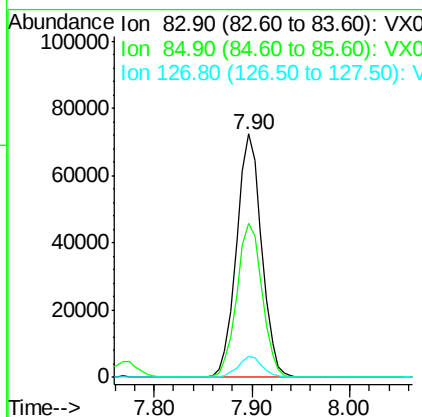
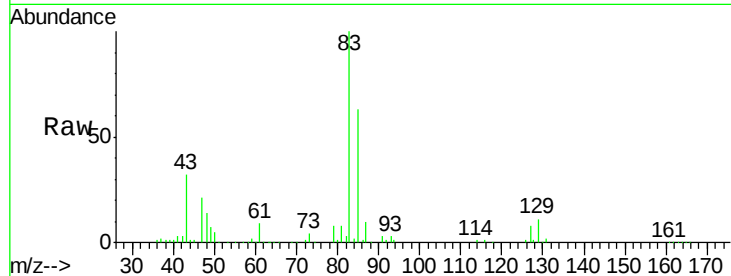
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	128642
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.4	78.6
127	8.4	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.830 ug/l

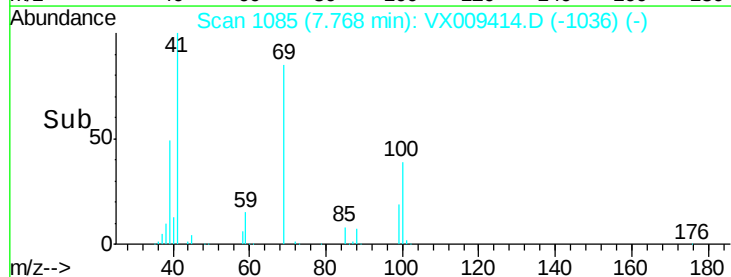
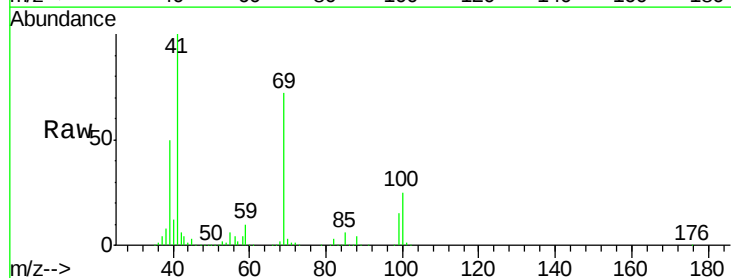
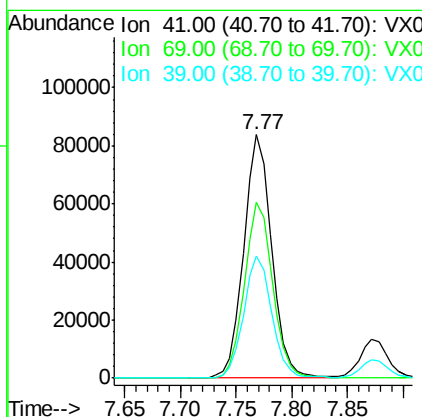
RT: 7.77 min Scan# 1085

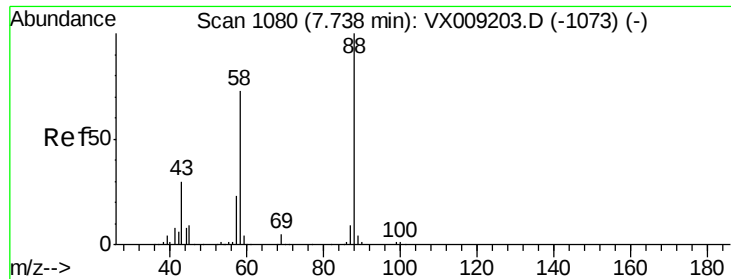
Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Tgt Ion:	41	Resp:	145846
Ion	Ratio	Lower	Upper
41	100		
69	73.6	59.1	88.7
39	50.4	40.4	60.6





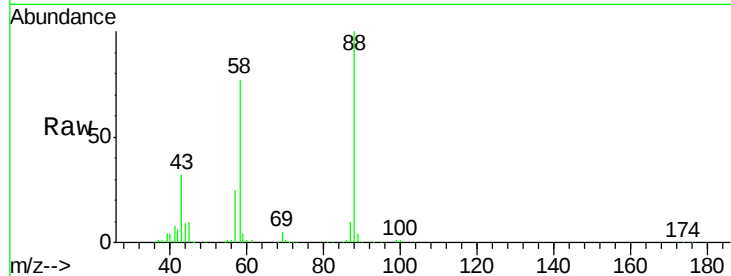
#49
1,4-Dioxane
Concen: 963.484 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

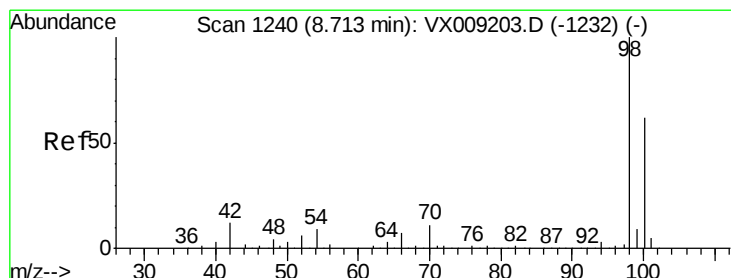
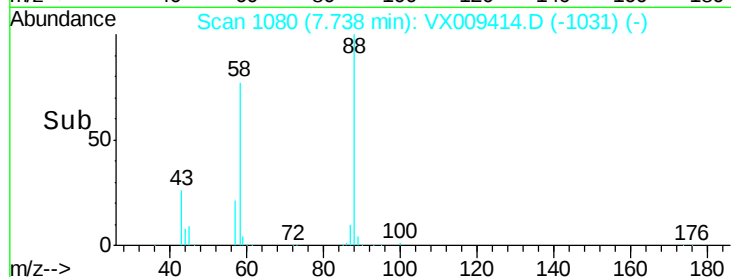
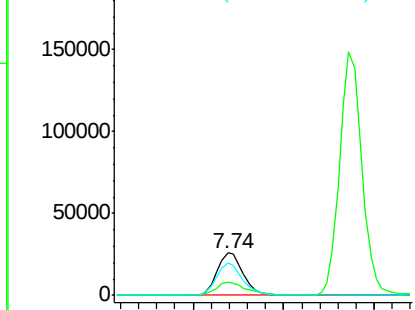
Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	28.6	42.8
58	77.4	61.7	92.5

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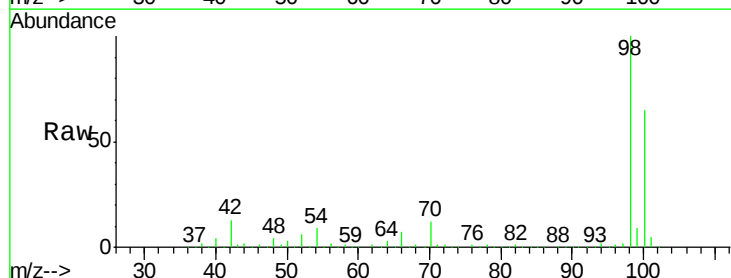


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

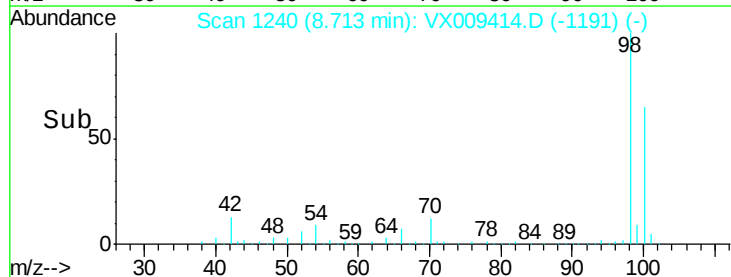
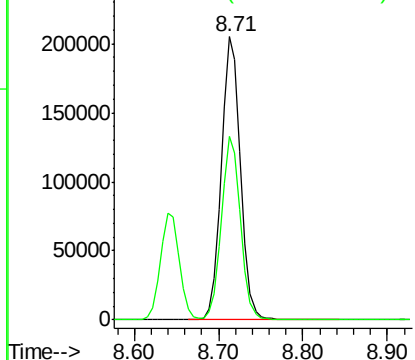


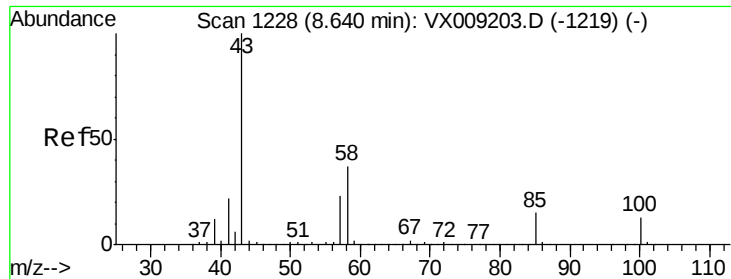
#50
Toluene-d8
Concen: 48.735 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 271.767 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 952377

Ion Ratio Lower Upper

43 100

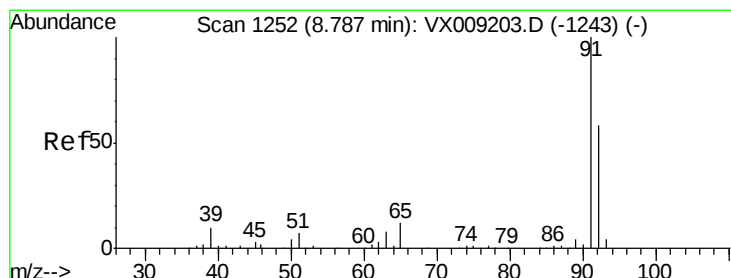
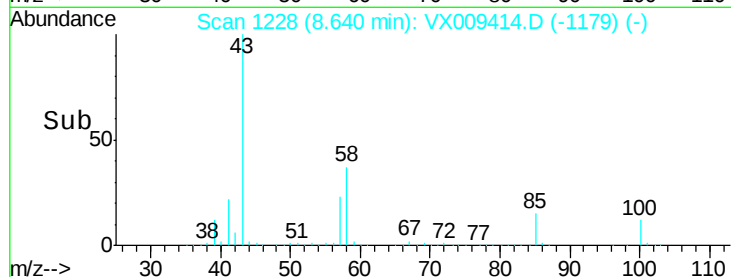
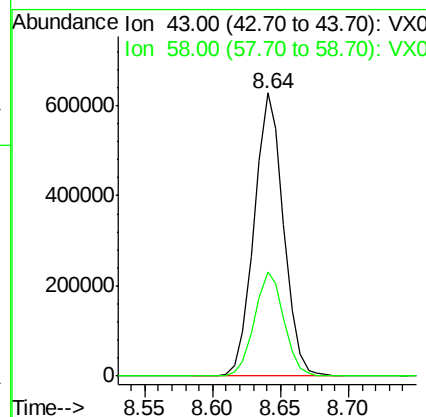
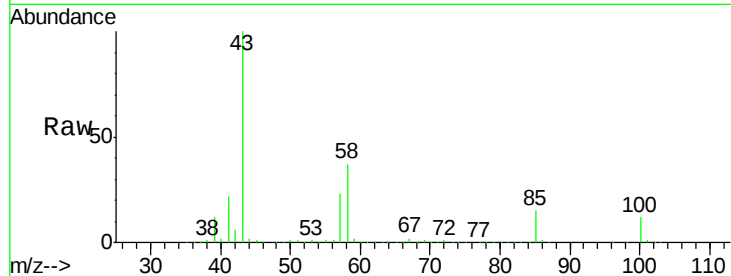
58 37.0 29.5 44.3

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#52

Toluene

Concen: 54.317 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009414.D

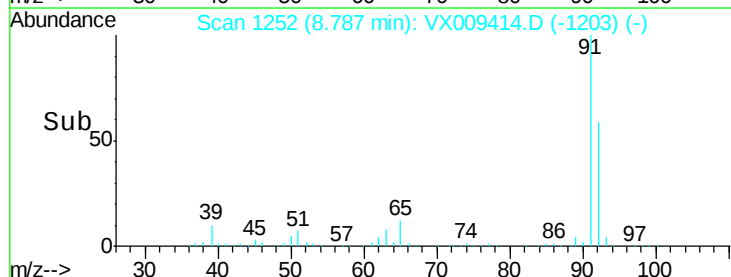
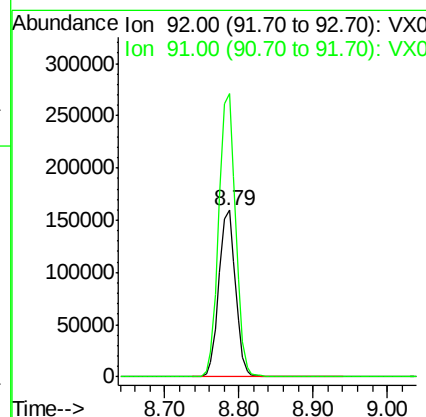
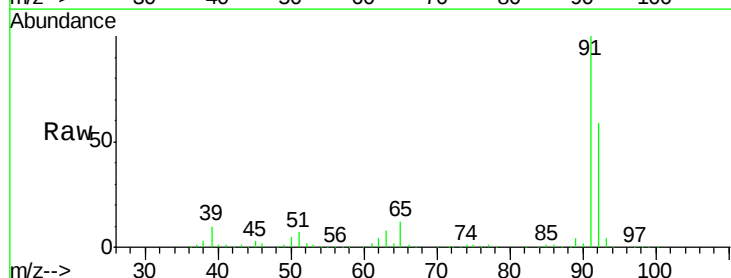
Acq: 08 May 2019 21:25

Tgt Ion: 92 Resp: 245826

Ion Ratio Lower Upper

92 100

91 171.4 138.8 208.2





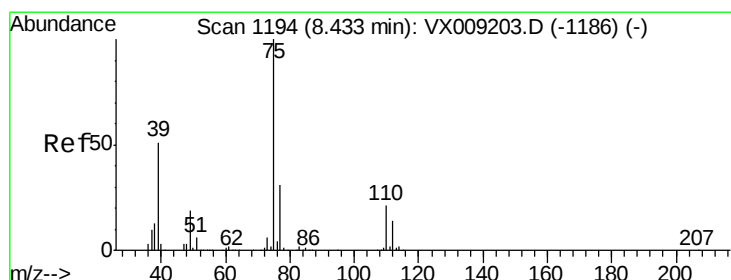
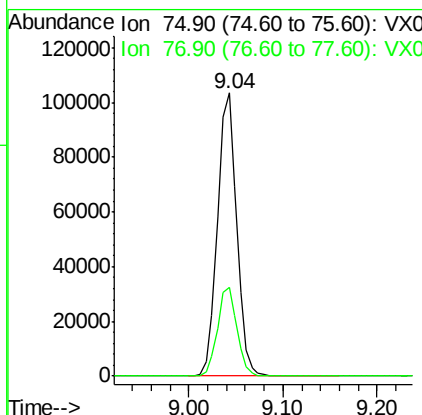
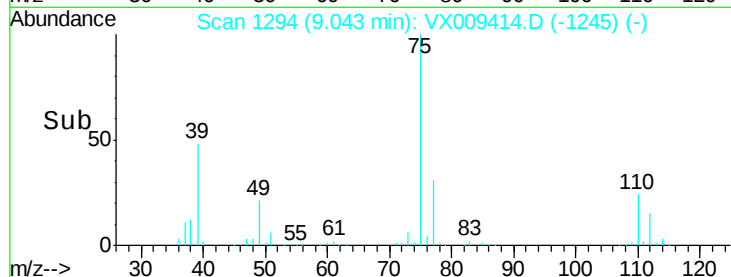
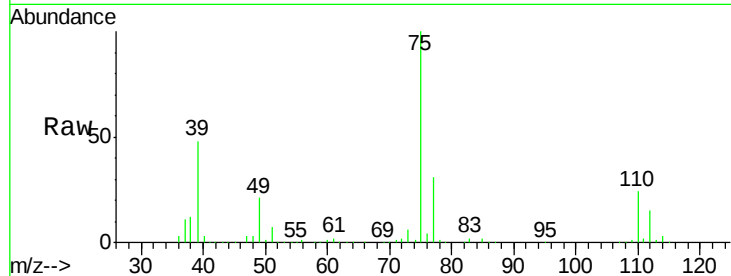
#53
t-1,3-Dichloropropene
Concen: 53.277 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 146891
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6

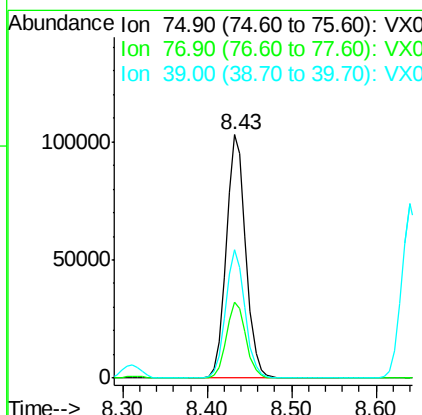
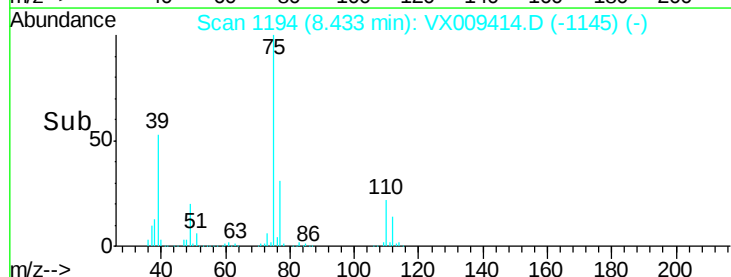
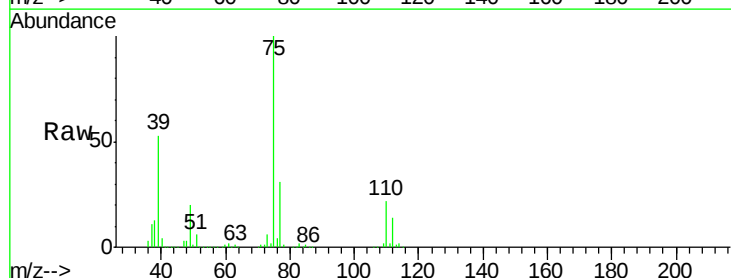
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#54
cis-1,3-Dichloropropene
Concen: 53.392 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion: 75 Resp: 162935
Ion Ratio Lower Upper
75 100
77 31.3 24.6 36.8
39 52.5 40.6 60.8





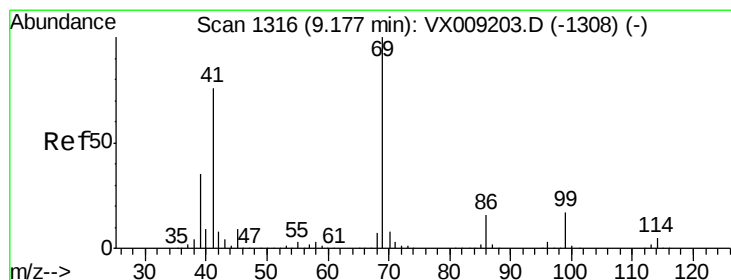
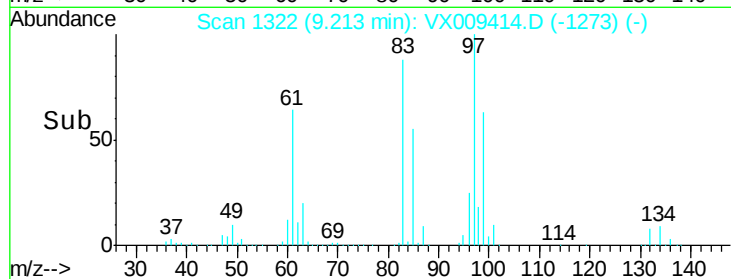
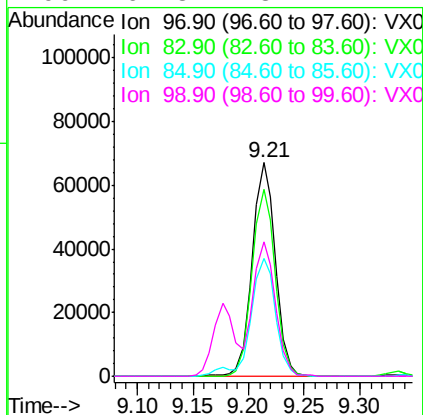
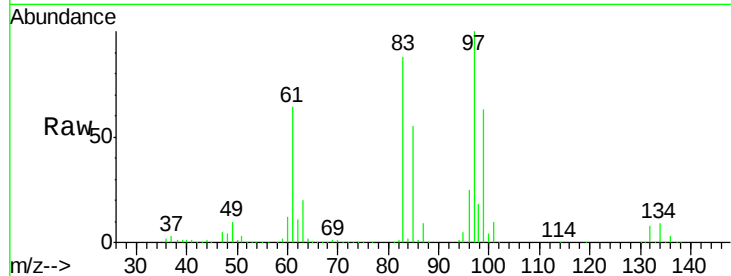
#55
 1,1,2-Trichloroethane
 Concen: 52.851 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	97583
Ion	Ratio	Lower	Upper
97	100		
83	87.8	68.9	103.3
85	54.9	43.8	65.6
99	62.8	48.2	72.2

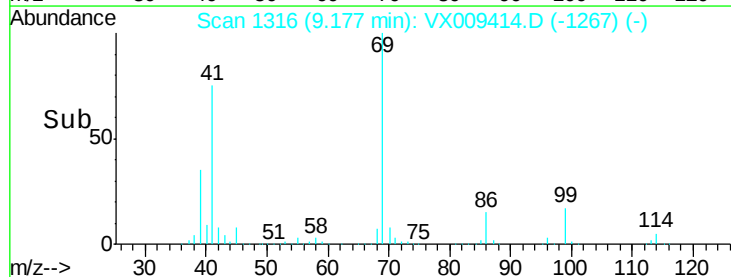
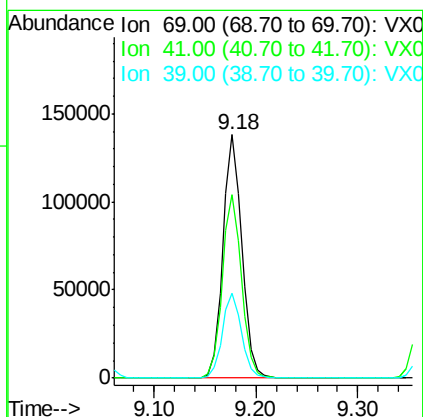
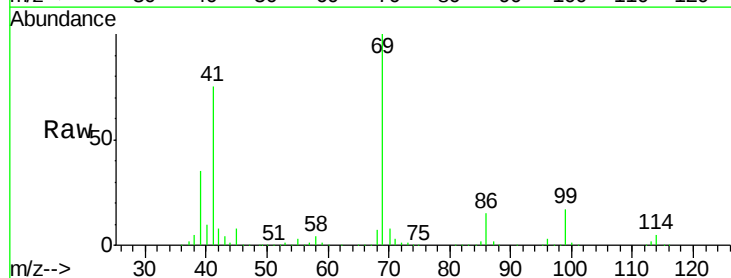
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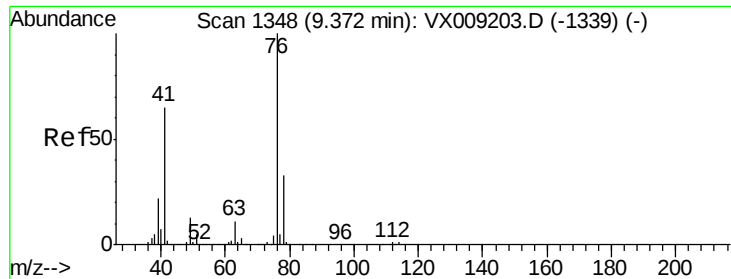
MMDadoda
 5/9/2019 9:49:43 AM



#56
 Ethyl methacrylate
 Concen: 54.388 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Tgt Ion:	69	Resp:	179258
Ion	Ratio	Lower	Upper
69	100		
41	76.3	60.6	90.8
39	36.0	28.2	42.4





#57

1,3-Dichloropropane

Concen: 52.626 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 170991

Ion Ratio Lower Upper

76 100

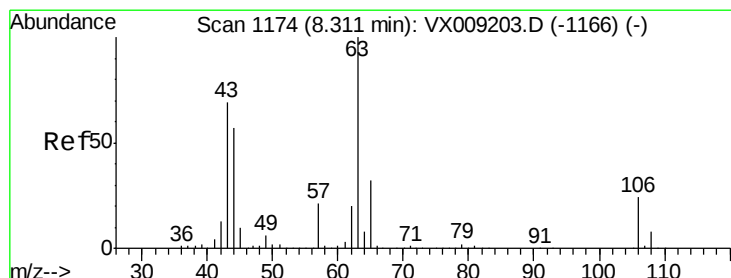
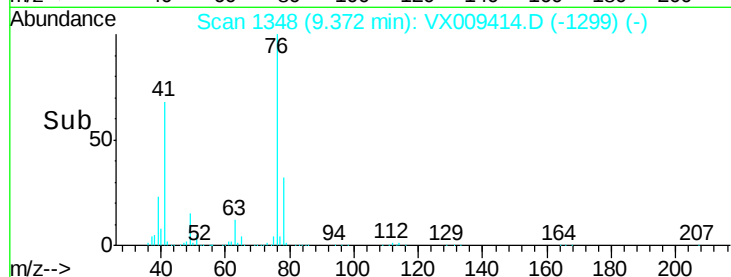
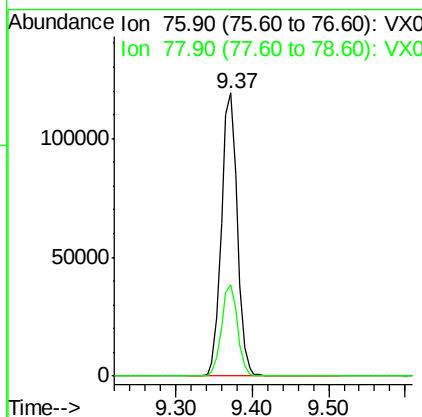
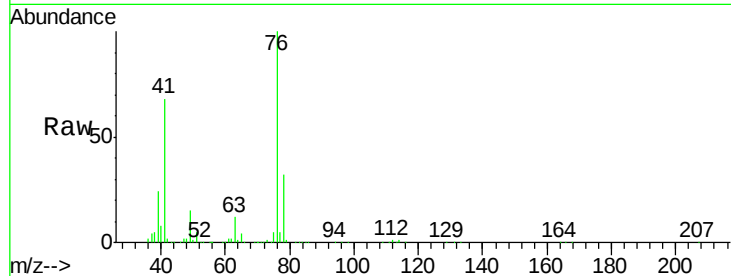
78 32.5 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 254.746 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009414.D

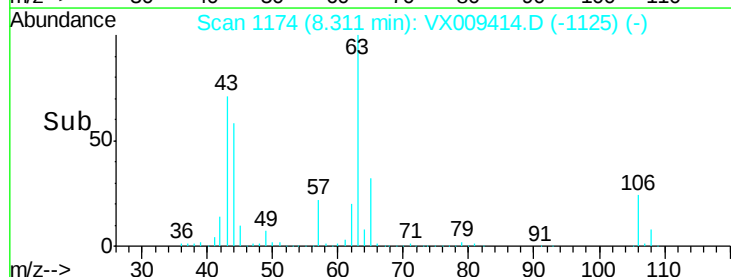
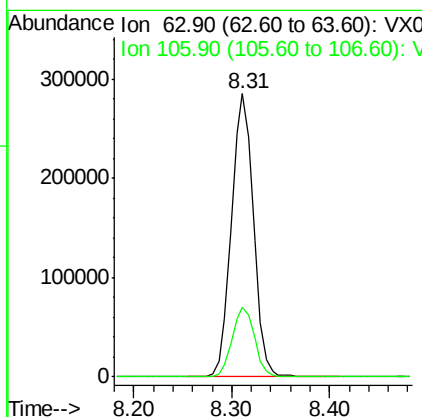
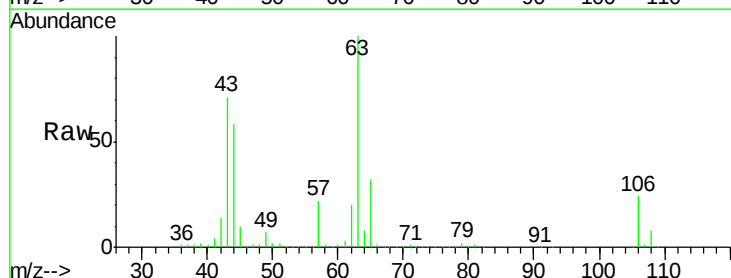
Acq: 08 May 2019 21:25

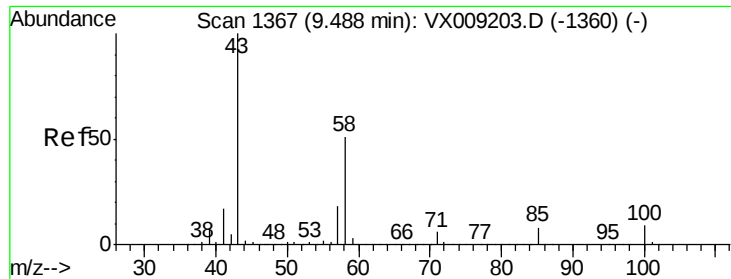
Tgt Ion: 63 Resp: 445416

Ion Ratio Lower Upper

63 100

106 24.9 19.7 29.5





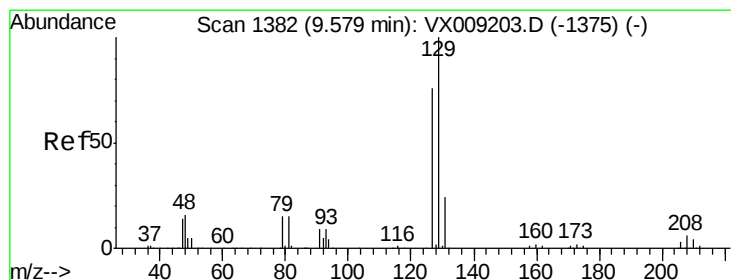
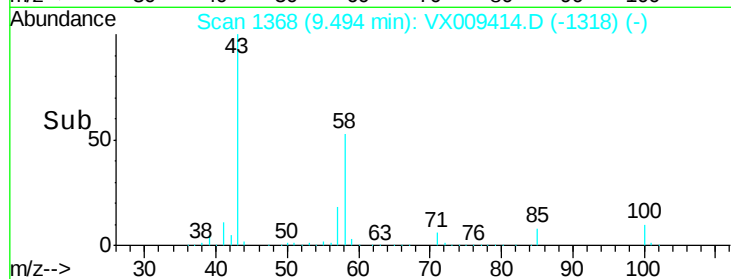
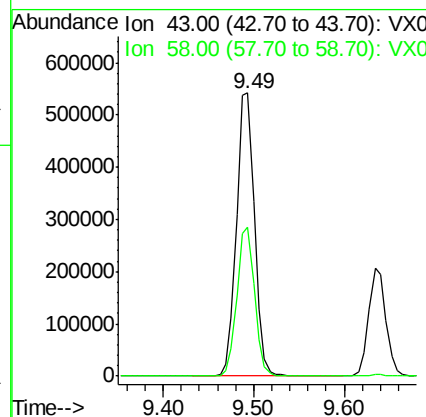
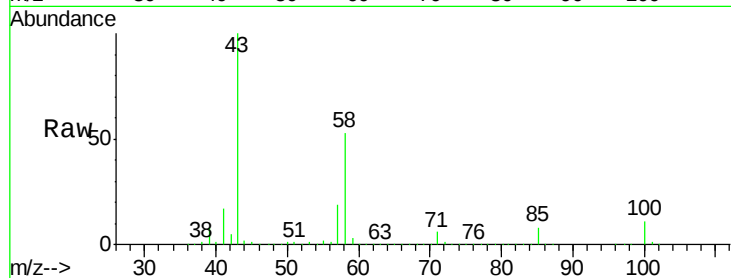
#59
2-Hexanone
Concen: 271.785 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	51.7		25.9	77.7	

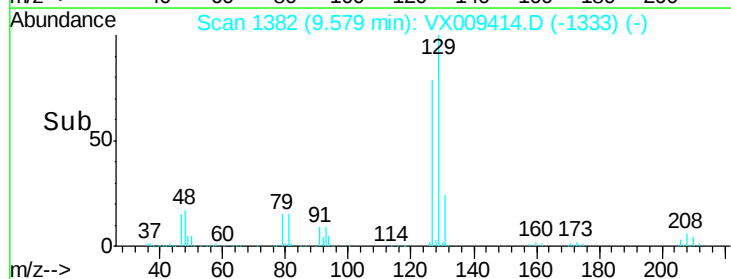
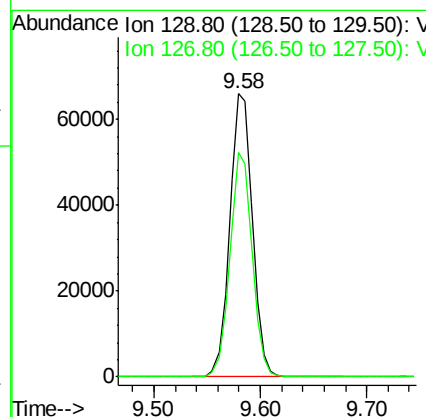
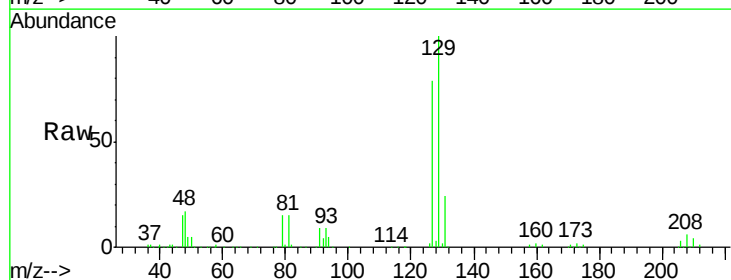
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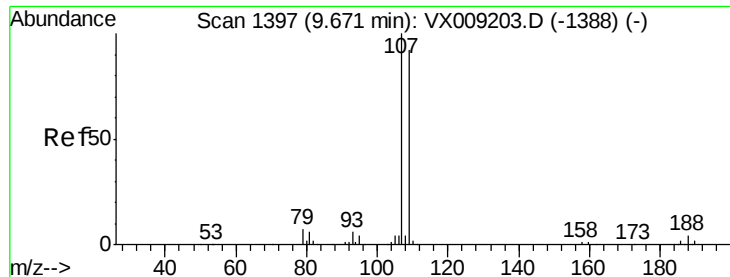
MMDadoda
5/9/2019 9:49:43 AM



#60
Dibromochloromethane
Concen: 54.443 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	129	127	Resp	Lower	Upper
129	100				
127	77.9		38.4	115.1	





#61

1,2-Dibromoethane

Concen: 54.306 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 101216

Ion Ratio Lower Upper

107 100

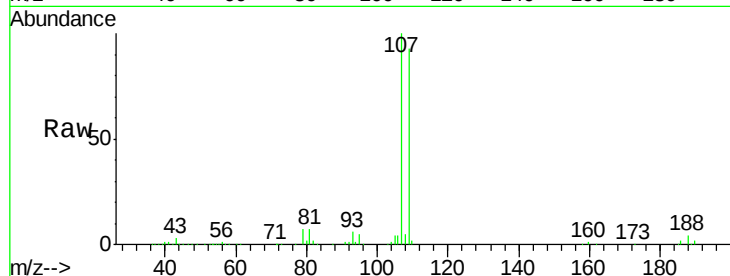
109 93.3 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

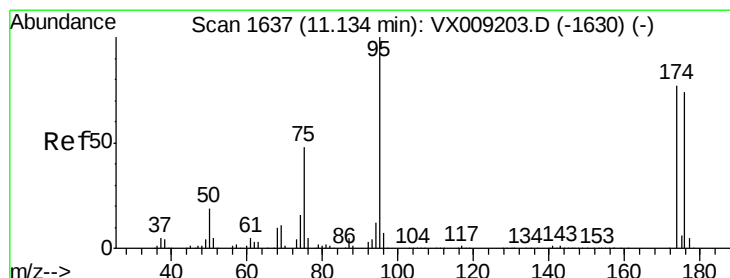
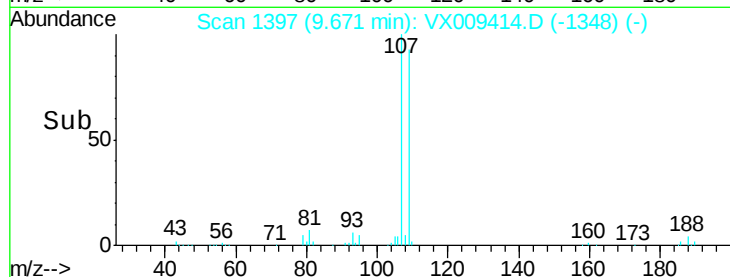
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.930 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

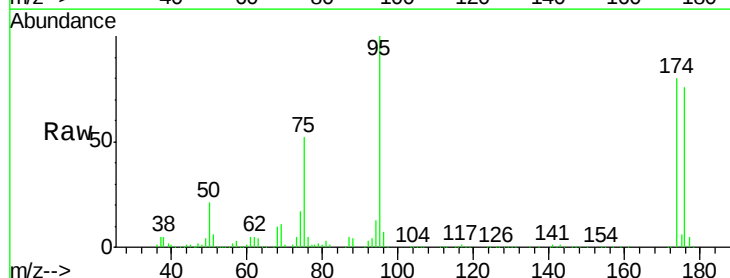
Tgt Ion: 95 Resp: 116810

Ion Ratio Lower Upper

95 100

174 83.7 0.0 161.6

176 81.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

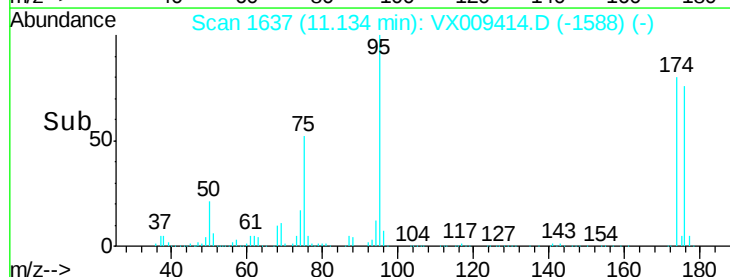
60000

40000

20000

0

Time-->





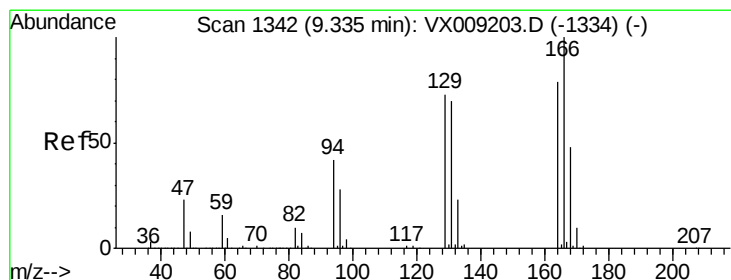
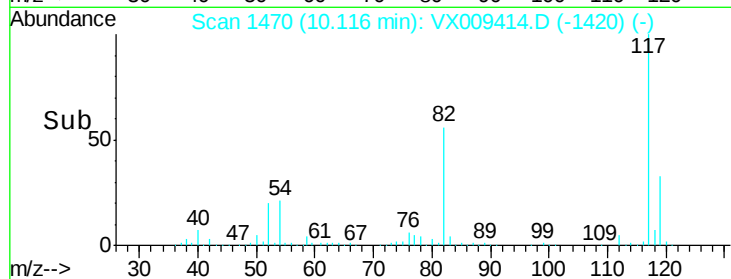
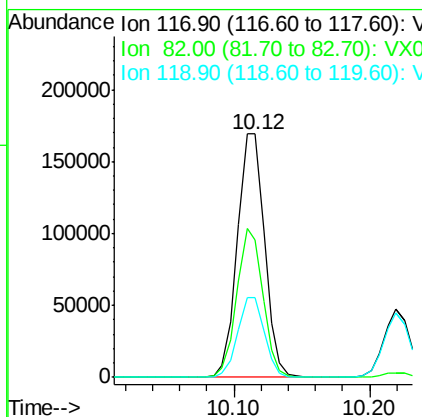
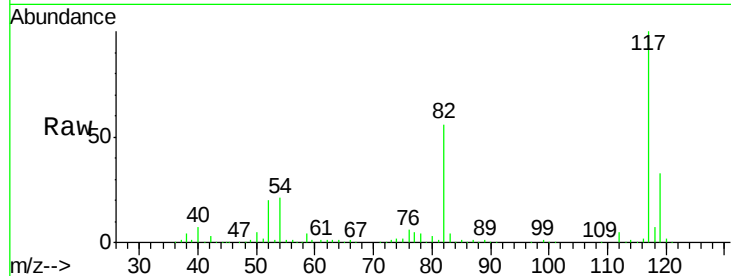
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	48.8	73.2
119	32.5	25.8	38.6

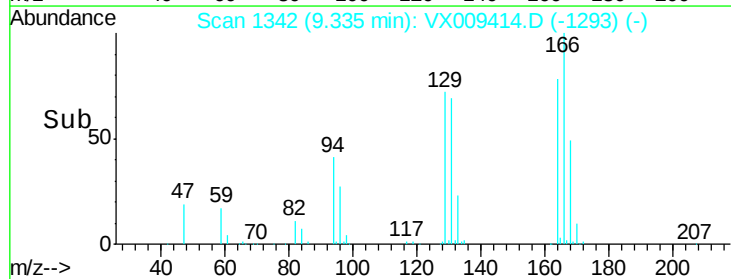
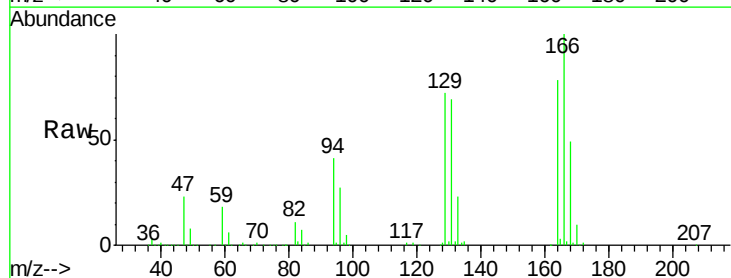
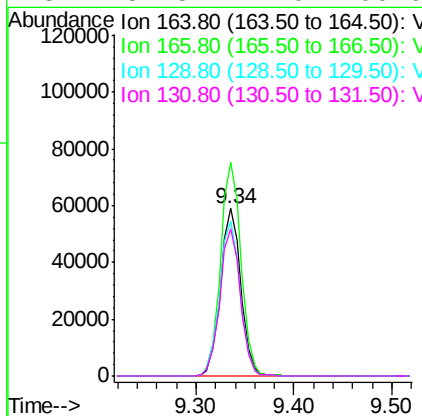
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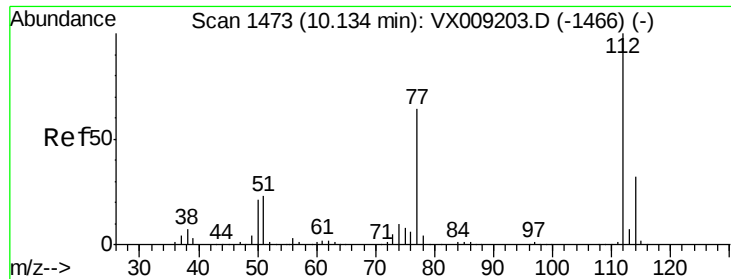
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#64
Tetrachloroethene
Concen: 52.253 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.2	151.8
129	92.1	74.3	111.5
131	87.8	71.0	106.6





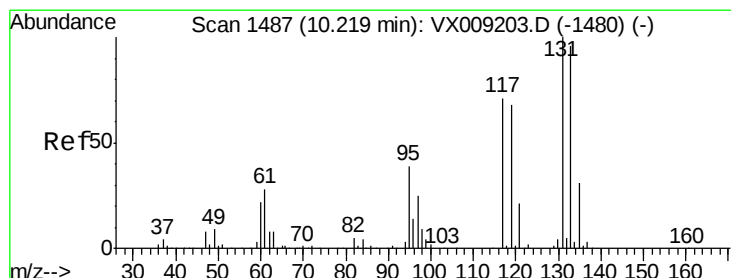
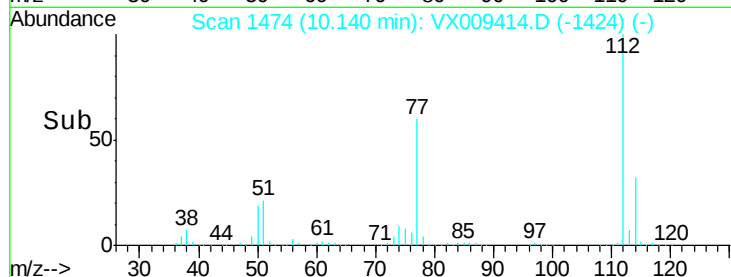
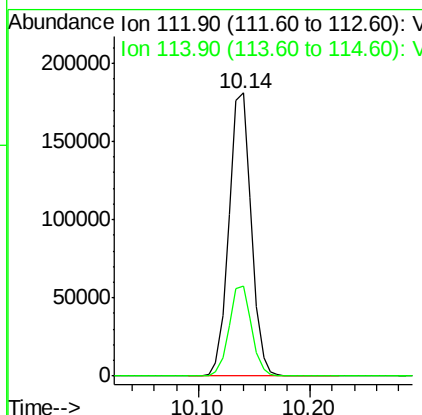
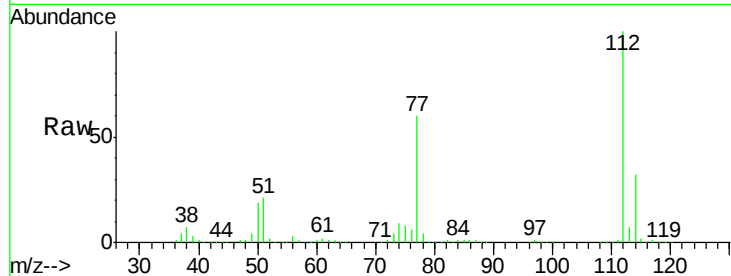
#65
Chlorobenzene
Concen: 53.043 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 251123
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

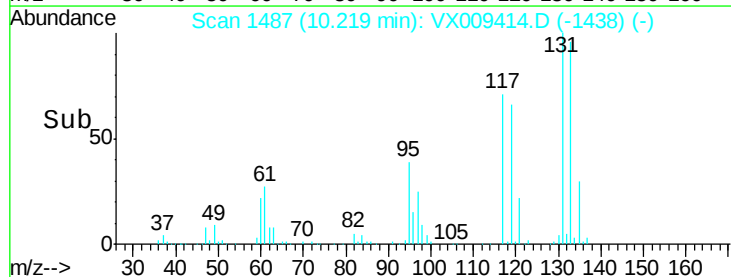
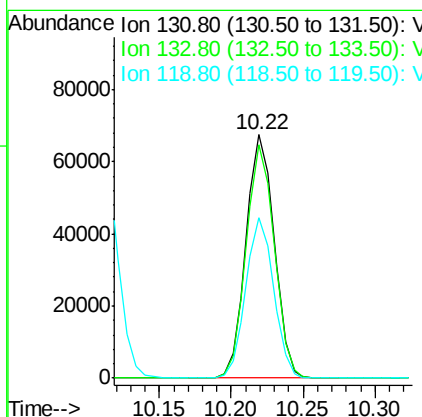
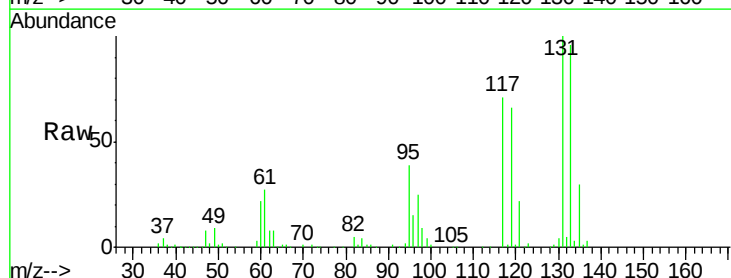
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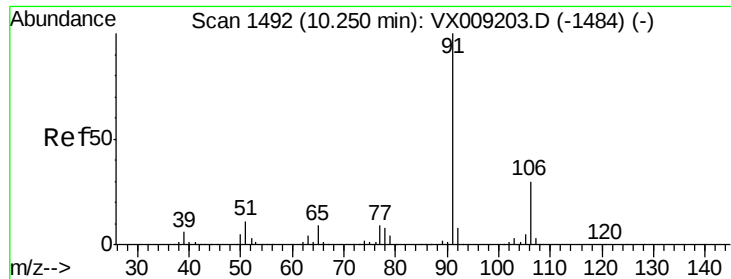
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.140 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion:131 Resp: 91209
Ion Ratio Lower Upper
131 100
133 95.8 47.7 143.1
119 65.5 33.5 100.4





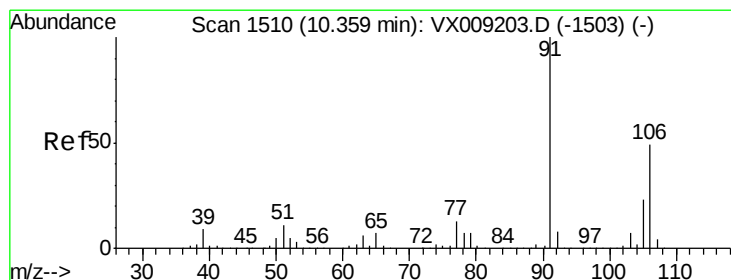
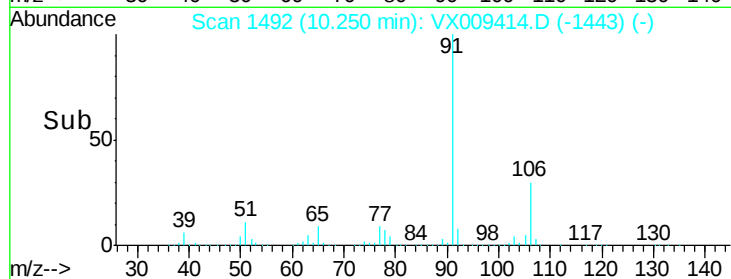
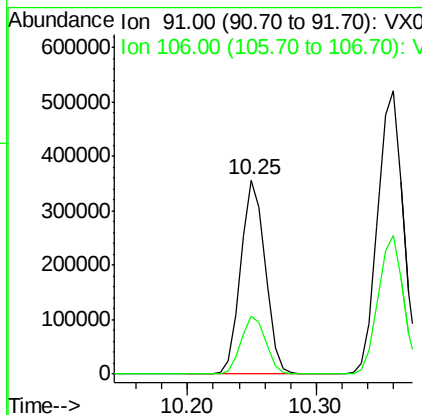
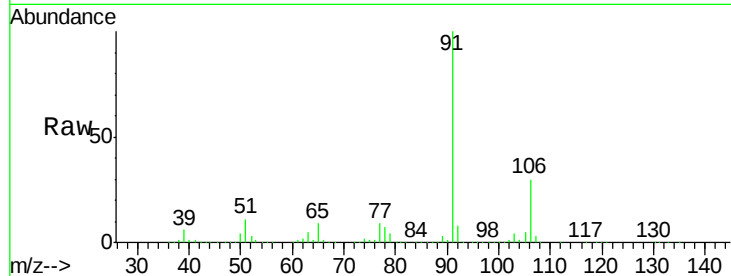
#67
Ethyl Benzene
Concen: 53.556 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 466632
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0

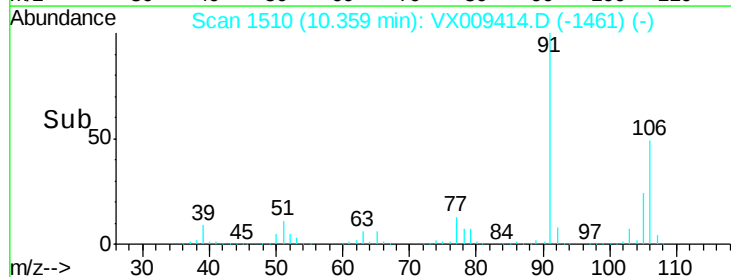
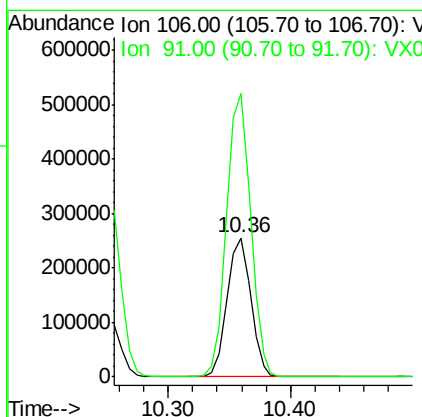
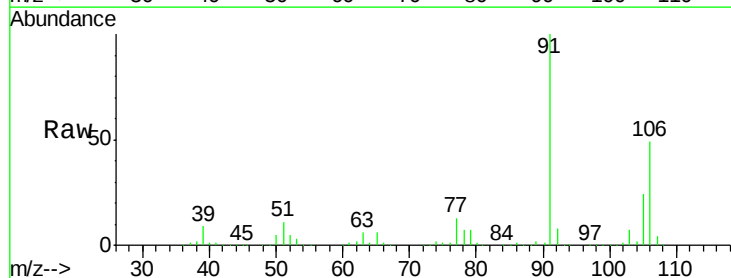
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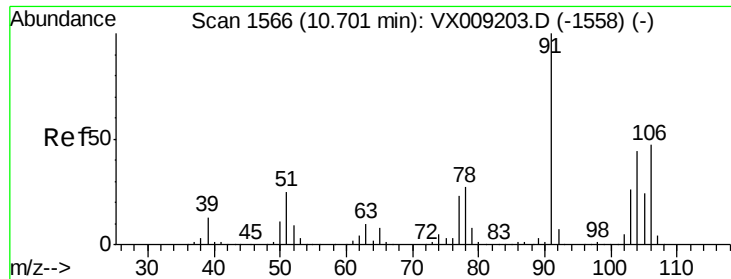
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#68
m/p-Xylenes
Concen: 107.600 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion: 106 Resp: 342599
Ion Ratio Lower Upper
106 100
91 206.8 164.0 246.0





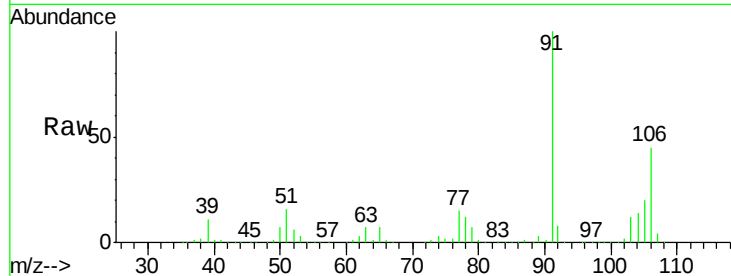
#69
o-Xylene
Concen: 53.529 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

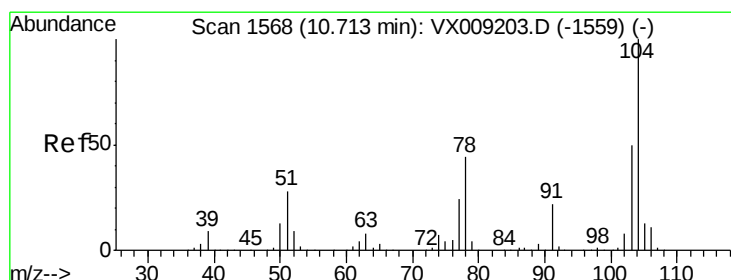
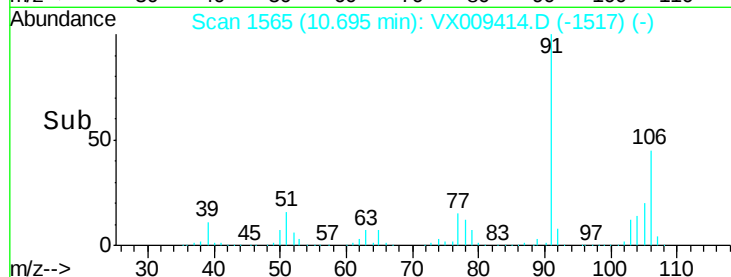
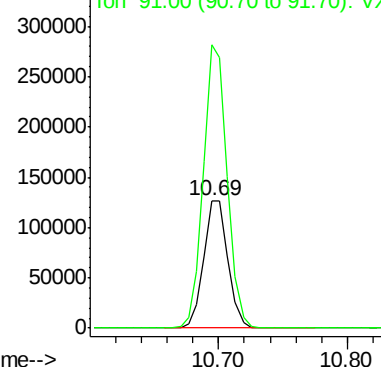
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		168160		
91	217.8	109.5	328.4		

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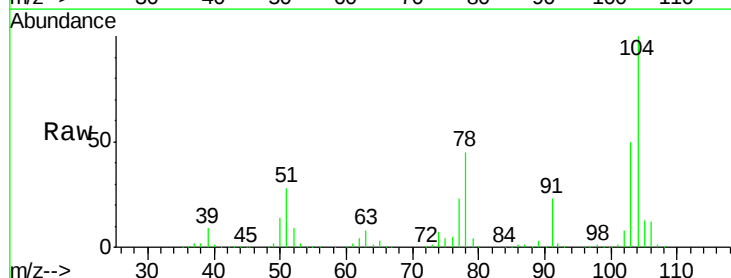


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

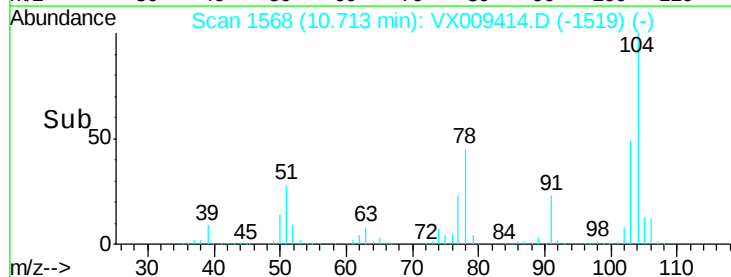
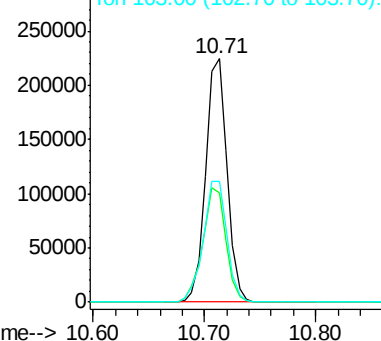


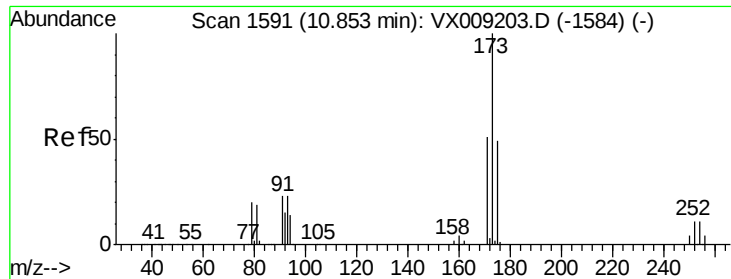
#70
Styrene
Concen: 54.355 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		296787		
78	51.1	41.0	61.4		
103	55.1	43.8	65.6		



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





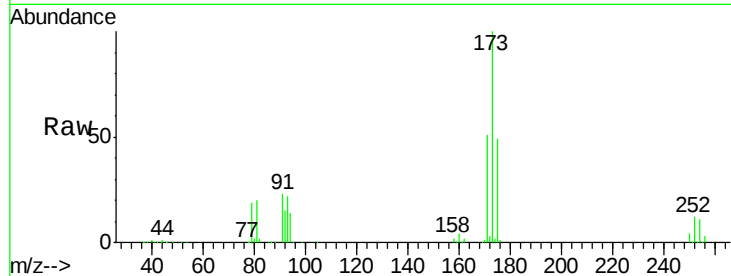
#71
Bromoform
Concen: 54.546 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

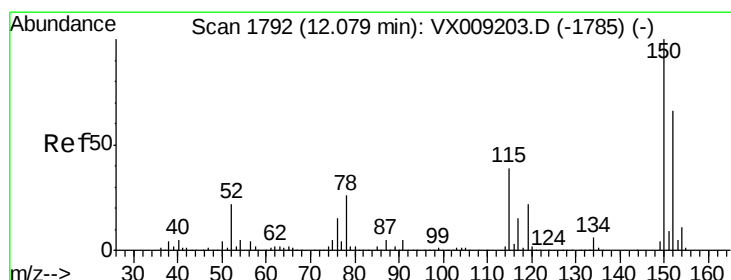
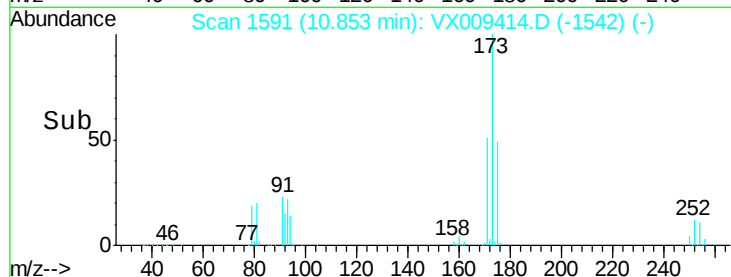
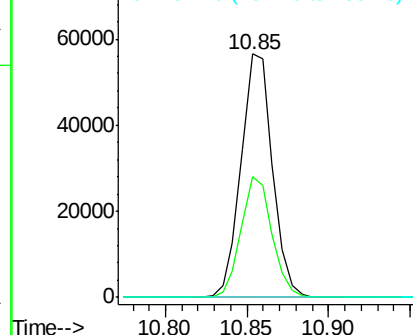
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.2	0.1	0.1#

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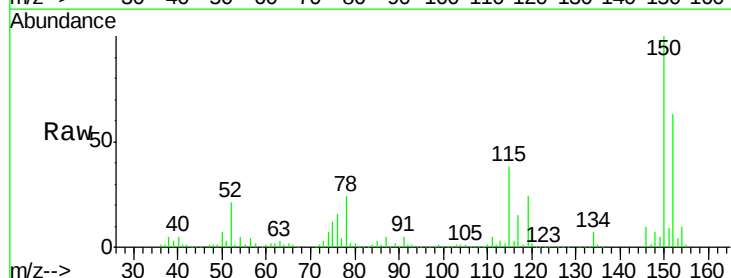


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

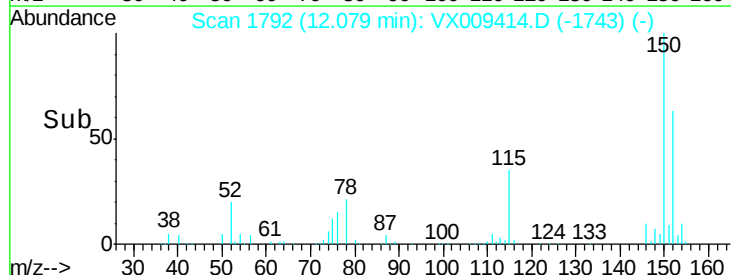
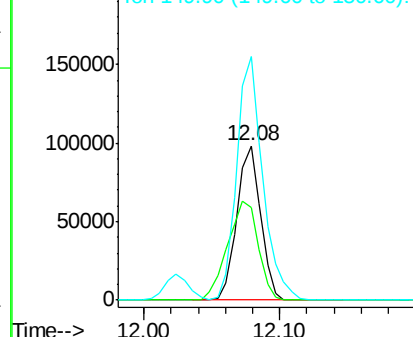


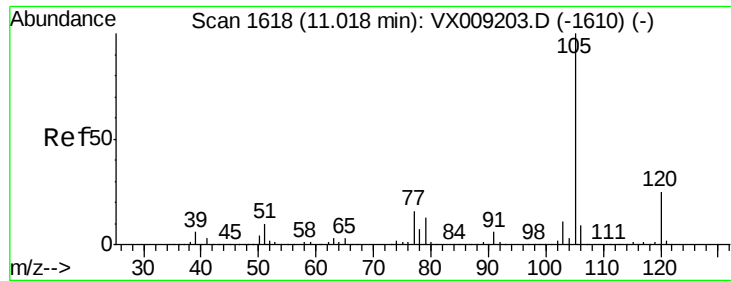
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.0	41.2	123.6
150	173.5	0.0	346.4



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





#73

Isopropylbenzene

Concen: 51.635 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 447095

Ion Ratio Lower Upper

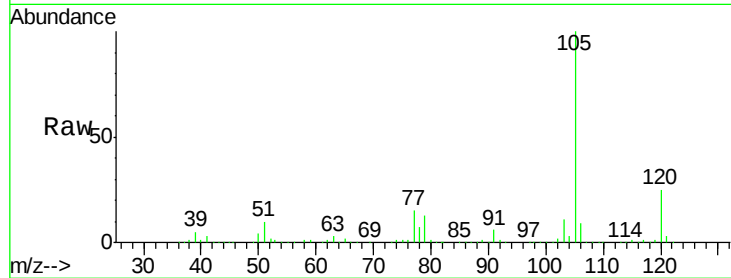
105 100

120 25.7 12.8 38.3

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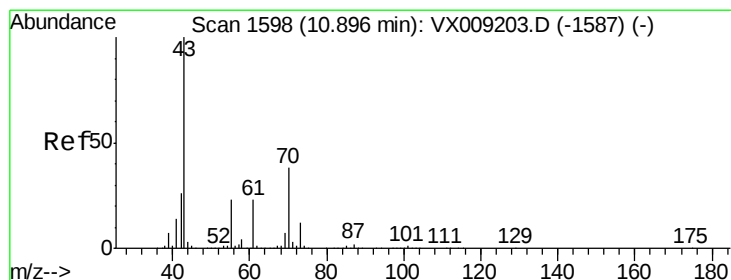
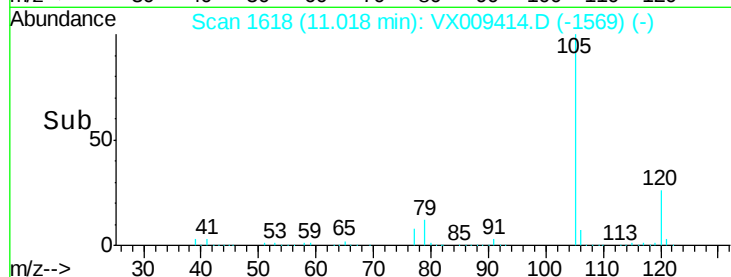
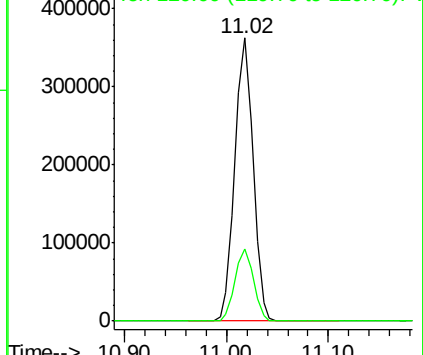
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.655 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Tgt Ion: 43 Resp: 275908

Ion Ratio Lower Upper

43 100

70 37.6 30.0 45.0

55 22.2 17.9 26.9

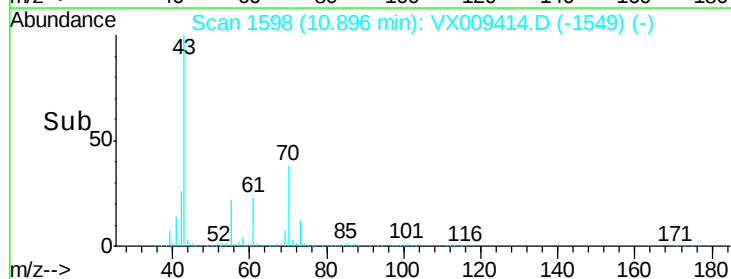
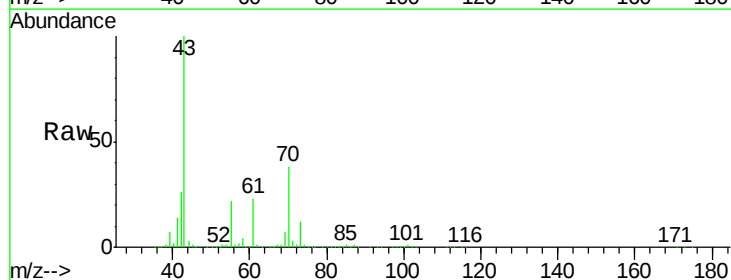
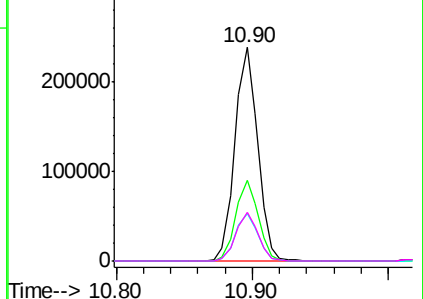
61 22.4 18.4 27.6

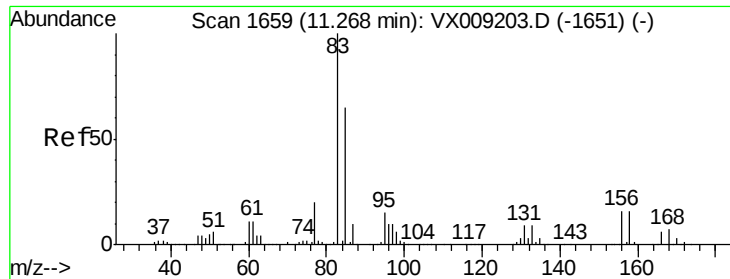
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.826 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

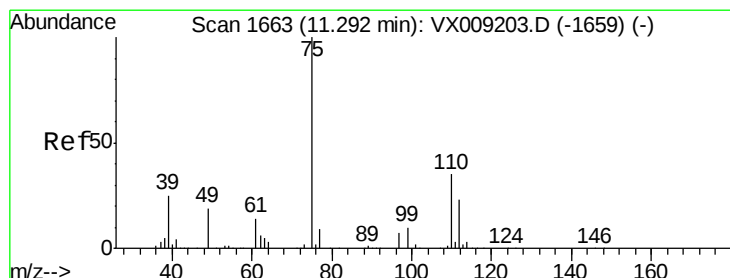
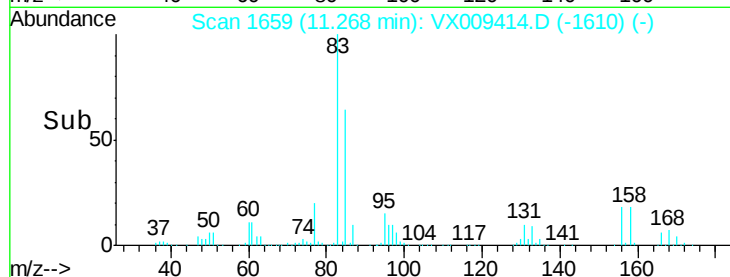
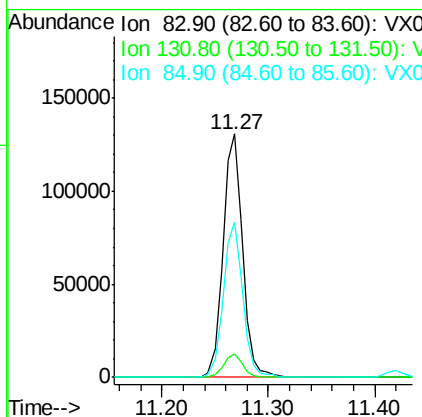
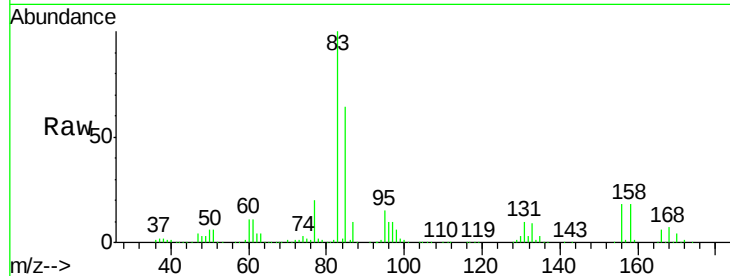
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	167287
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	63.8	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 50.723 ug/l m

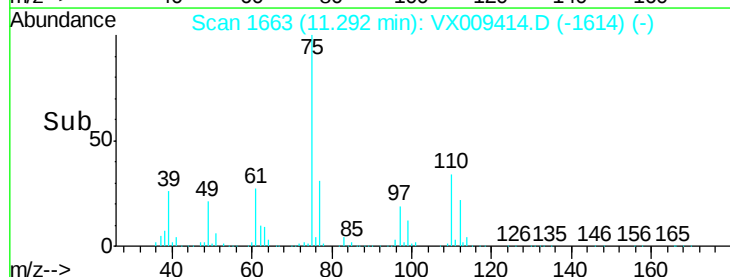
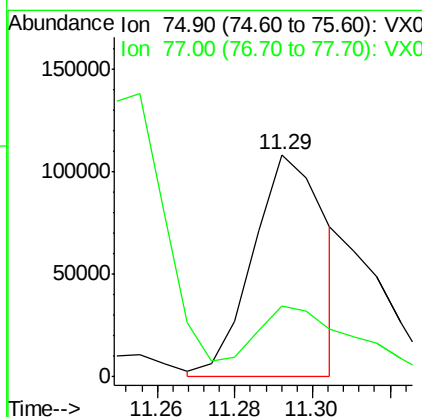
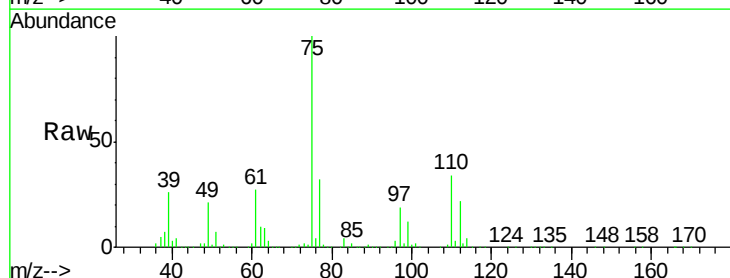
RT: 11.29 min Scan# 1663

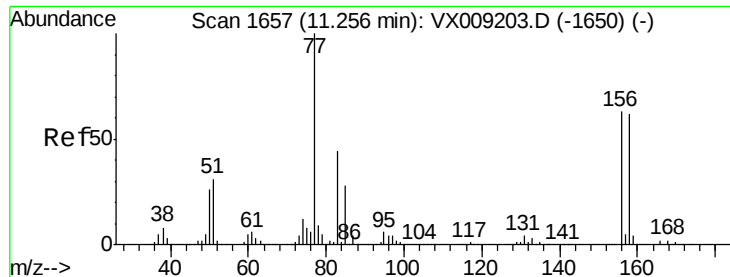
Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Tgt Ion:	75	Resp:	140100
Ion Ratio	Lower	Upper	
75	100		
77	44.5	22.1	66.1





#77

Bromobenzene

Concen: 52.324 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

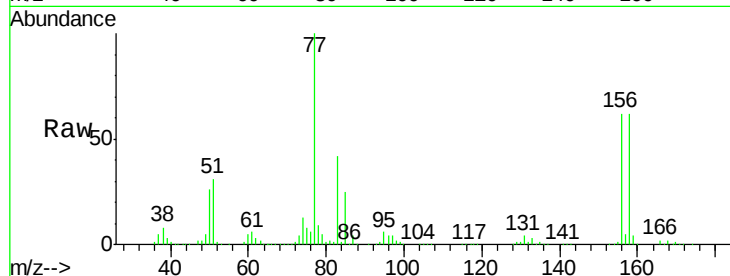
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	112453
Ion Ratio	Lower	Upper	
156	100		
77	165.6	84.8	254.3
158	97.6	49.1	147.3

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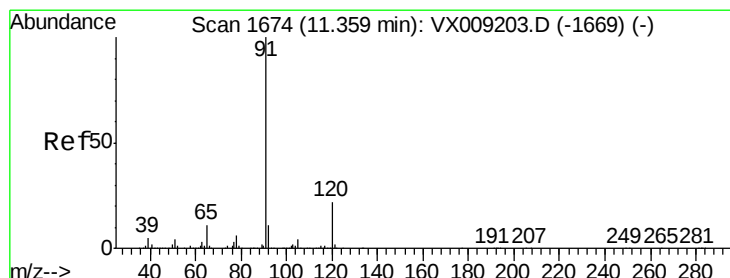
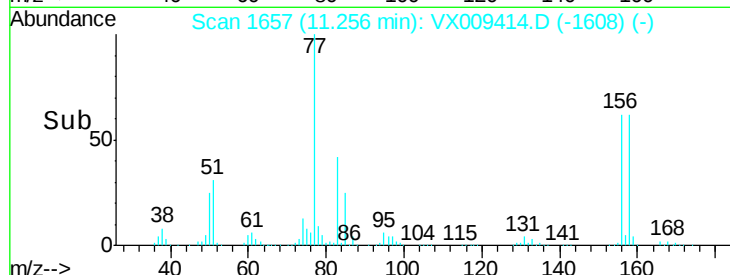
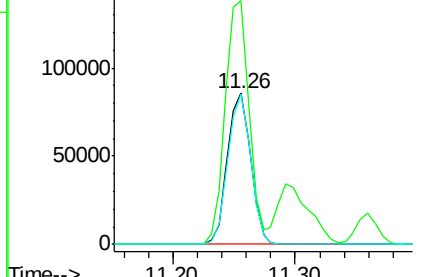
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.117 ug/l

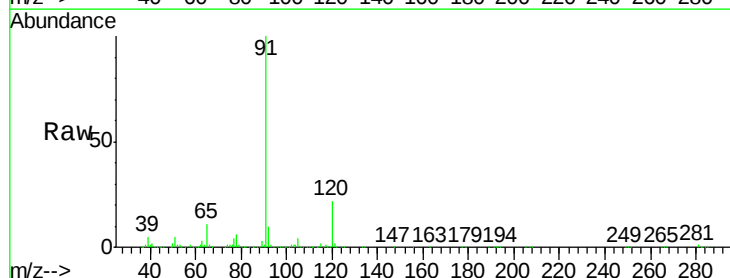
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009414.D

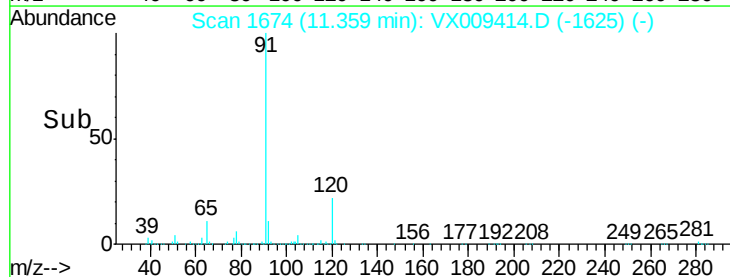
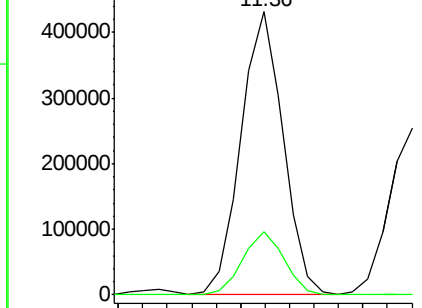
Acq: 08 May 2019 21:25

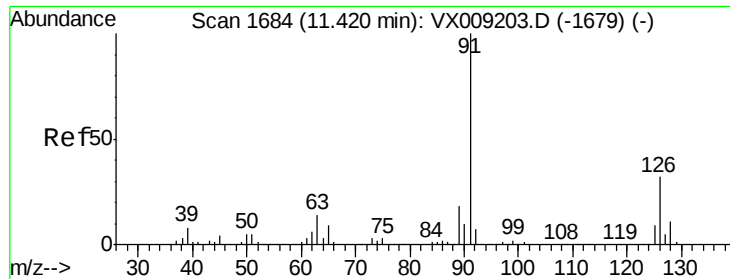
Tgt Ion:	91	Resp:	515370
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





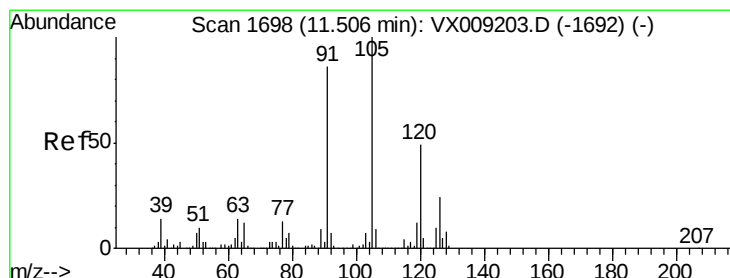
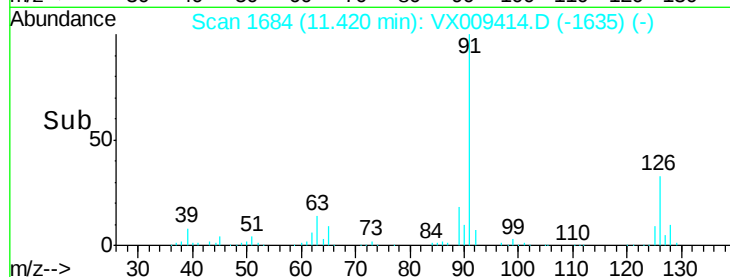
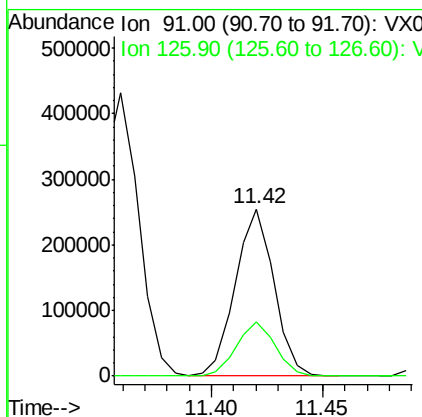
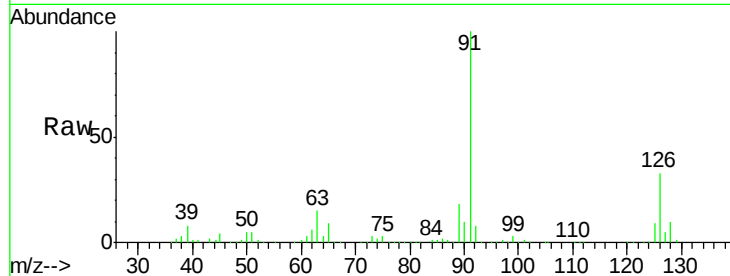
#79
 2-Chlorotoluene
 Concen: 50.469 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 307906
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.3 48.9

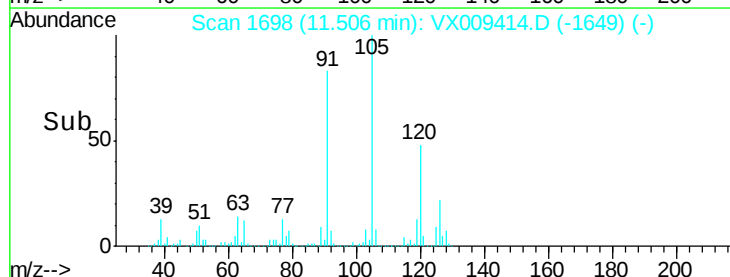
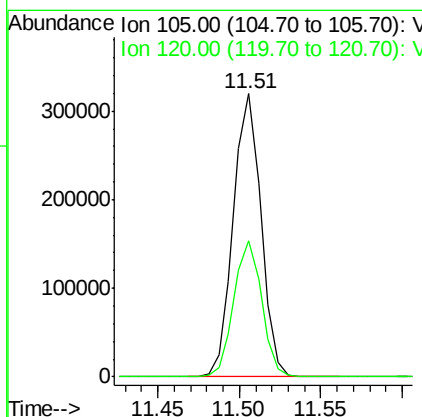
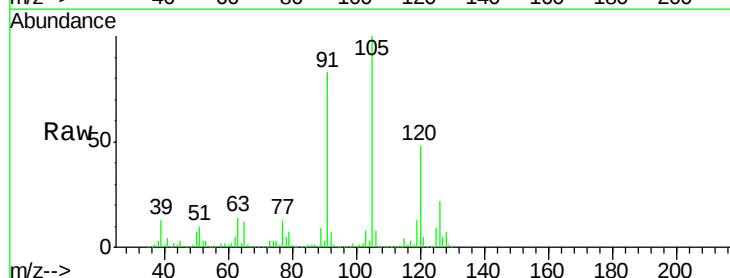
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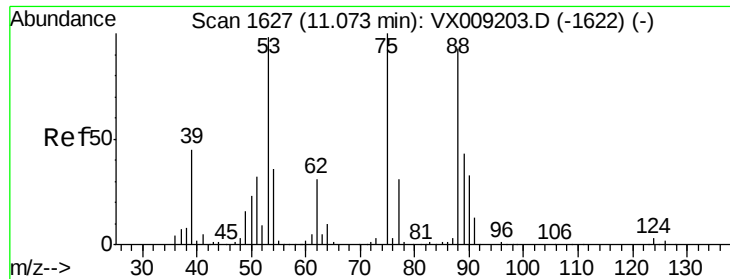
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.939 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Tgt Ion: 105 Resp: 378674
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.3 72.9





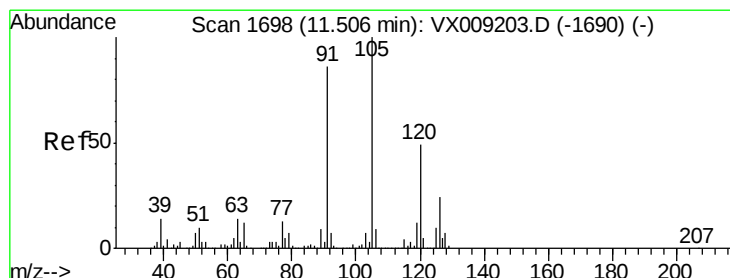
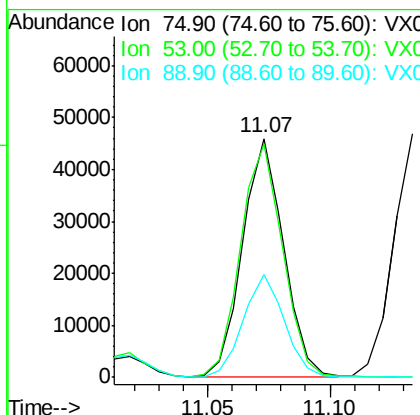
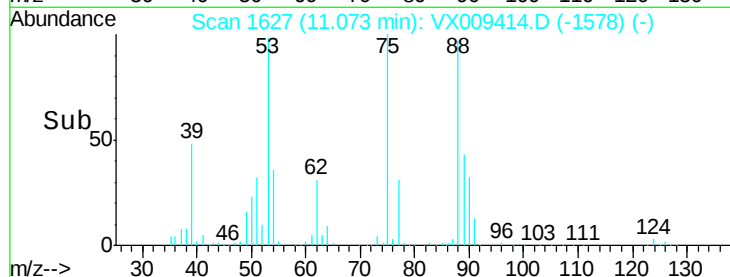
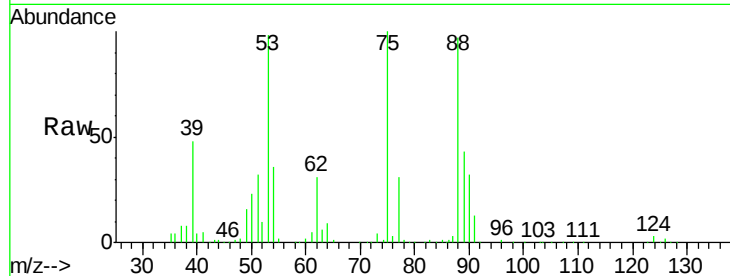
#81
trans-1,4-Dichloro-2-butene
Concen: 49.433 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.9	79.0	118.6
89	43.4	34.7	52.1

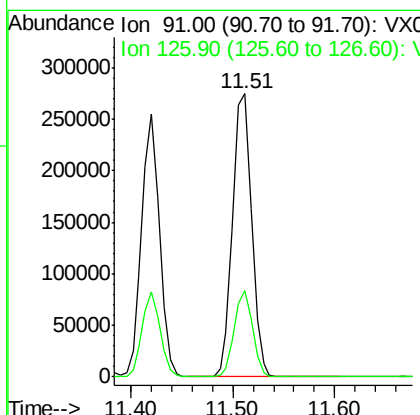
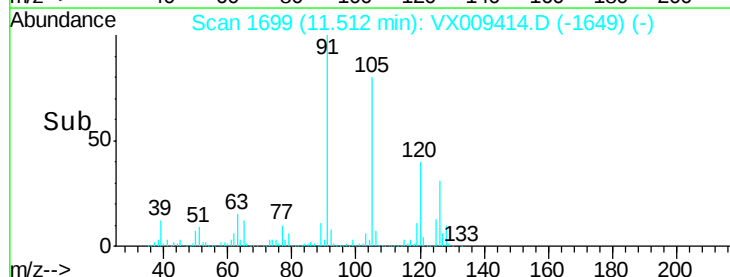
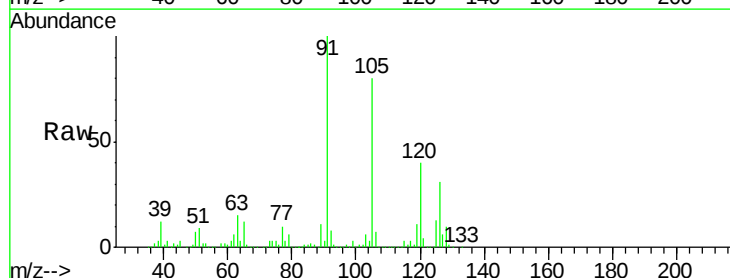
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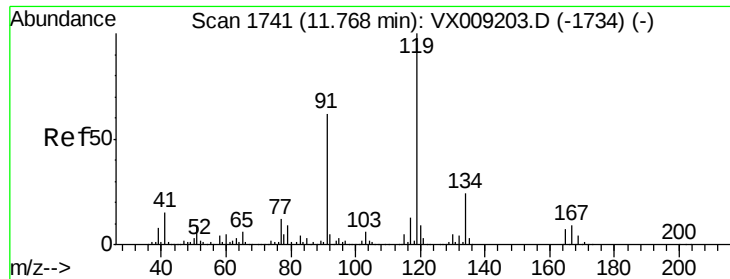
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#82
4-Chlorotoluene
Concen: 51.347 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.5	43.6





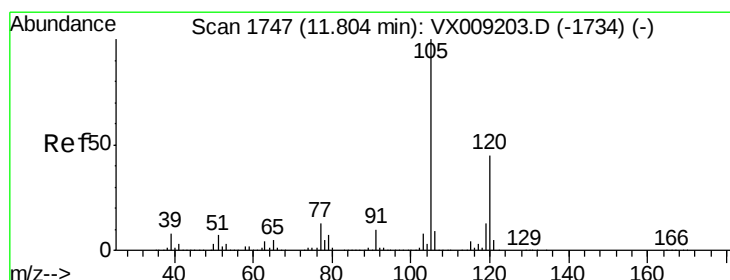
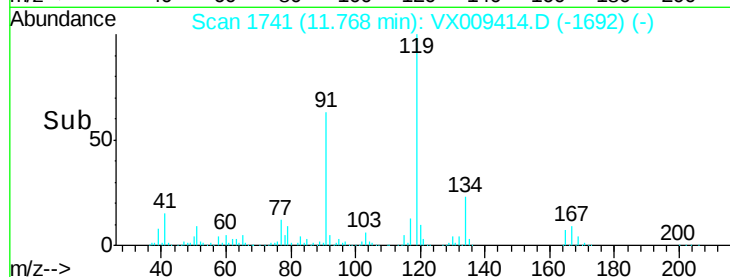
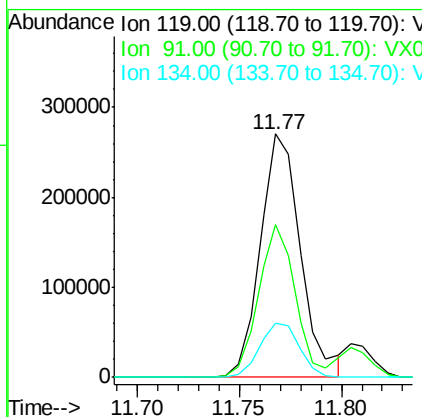
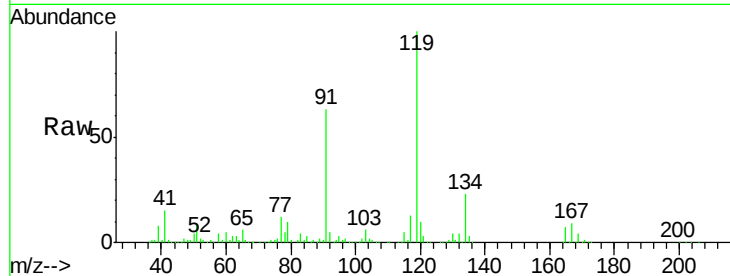
#83
tert-Butylbenzene
Concen: 52.373 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	371450		
91	57.5	29.5	88.5	
134	22.0	11.4	34.1	

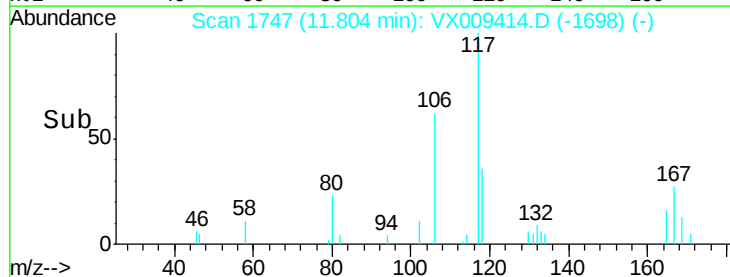
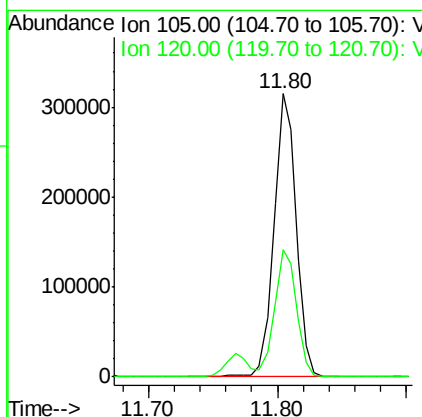
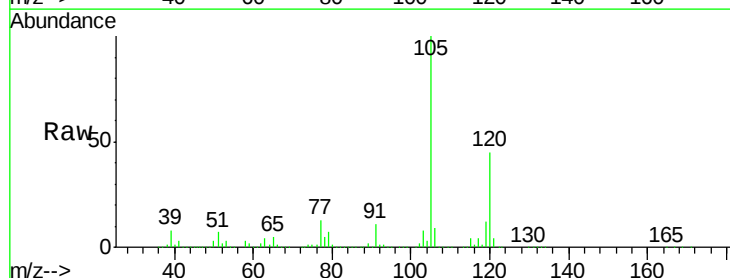
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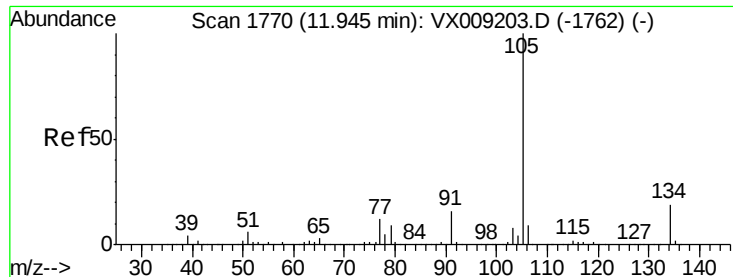
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#84
1,2,4-Trimethylbenzene
Concen: 51.865 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	379547		
120	44.3	22.0	66.0	





#85

sec-Butylbenzene

Concen: 51.628 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 434116

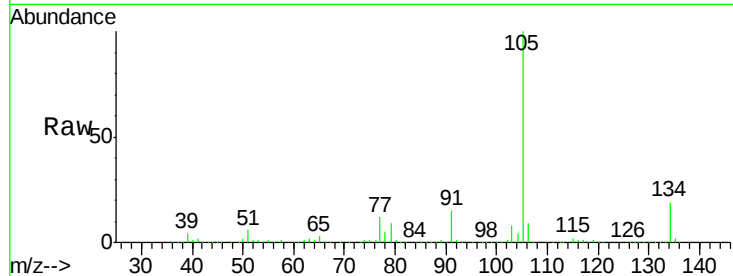
Ion Ratio Lower Upper

105 100

134 19.6 9.7 28.9

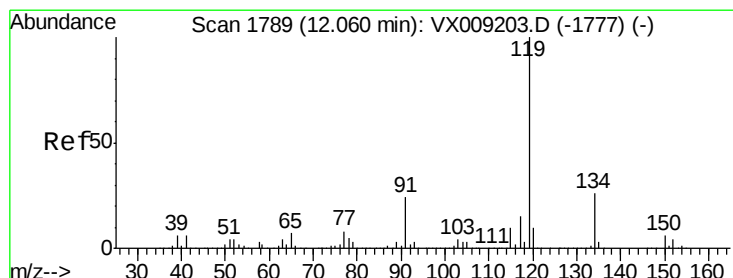
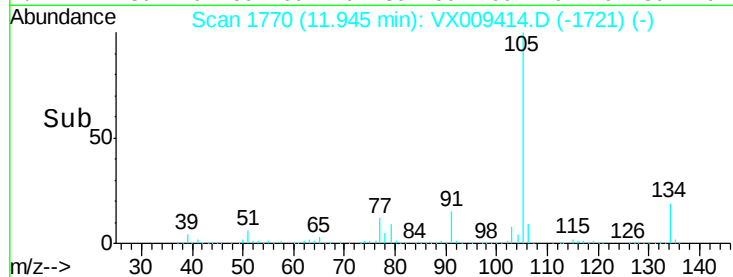
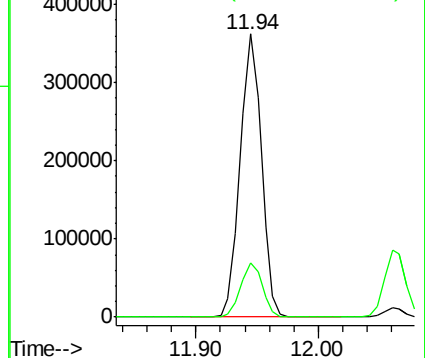
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.916 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009414.D

Acq: 08 May 2019 21:25

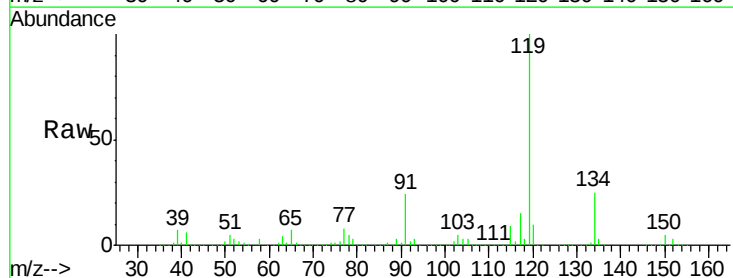
Tgt Ion:119 Resp: 407566

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

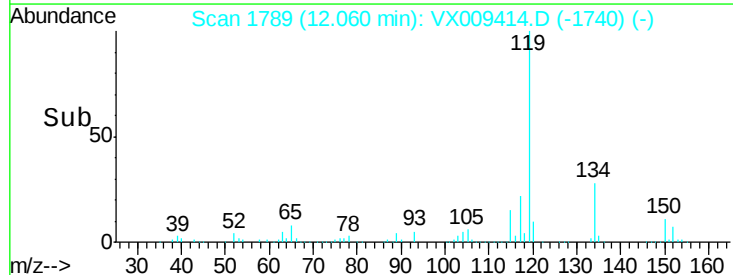
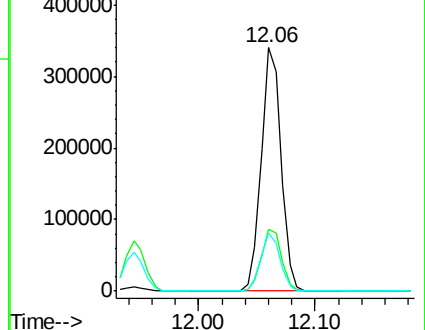
91 23.5 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





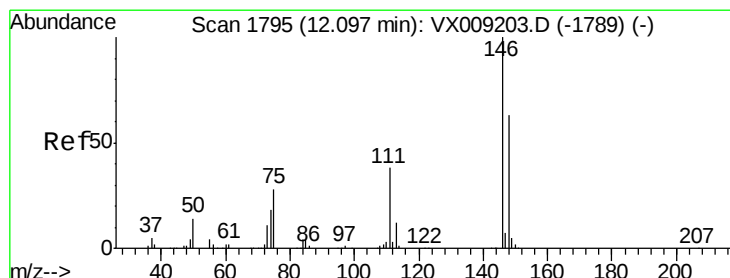
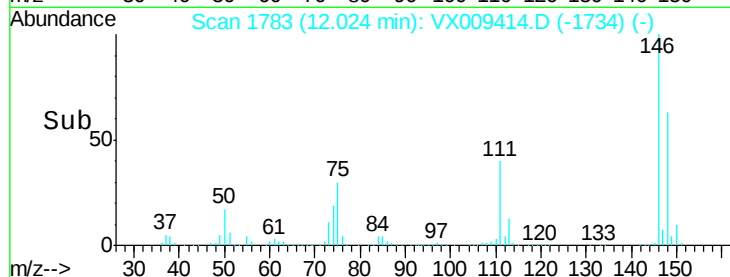
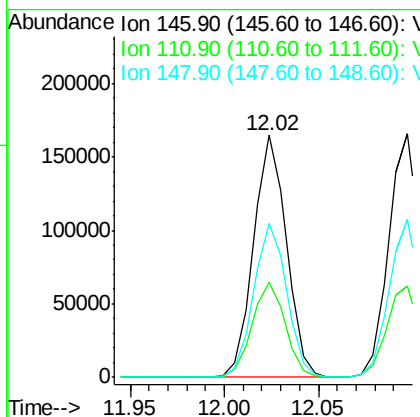
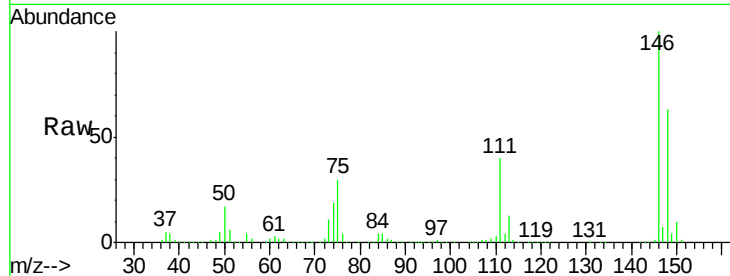
#87
 1,3-Dichlorobenzene
 Concen: 51.943 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	63.8	31.8	95.3

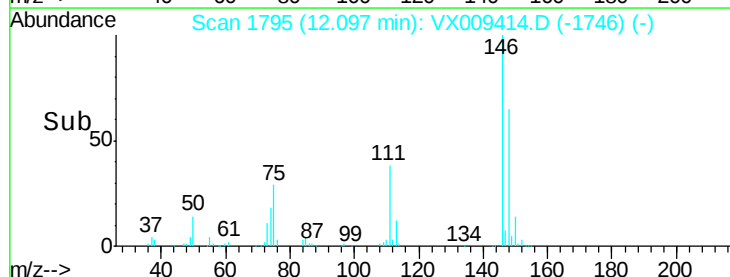
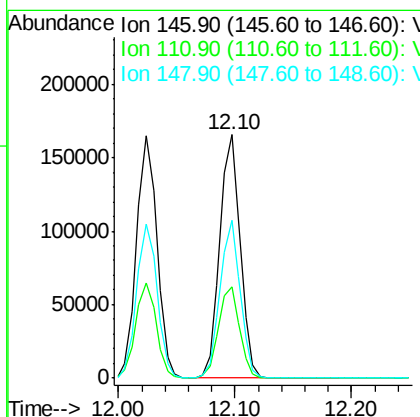
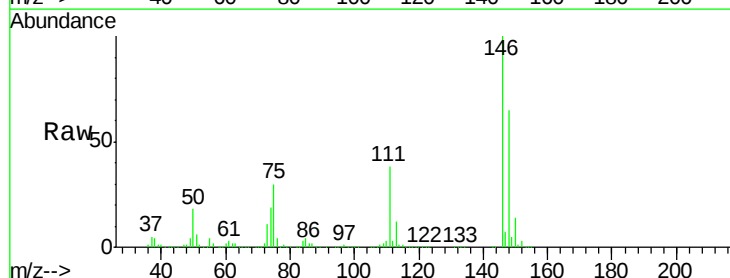
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#88
 1,4-Dichlorobenzene
 Concen: 51.859 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.8
148	63.8	31.8	95.3





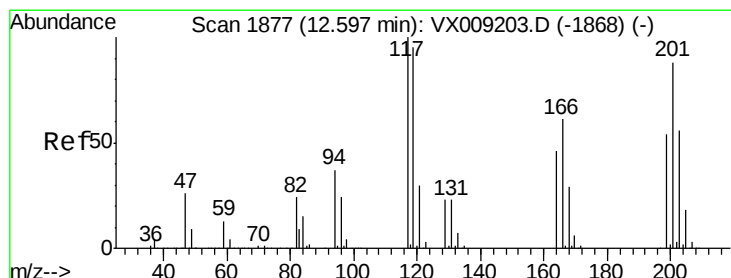
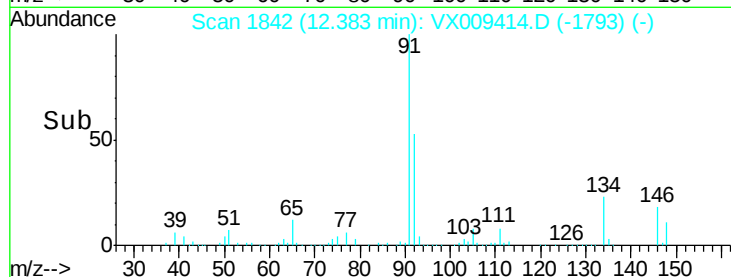
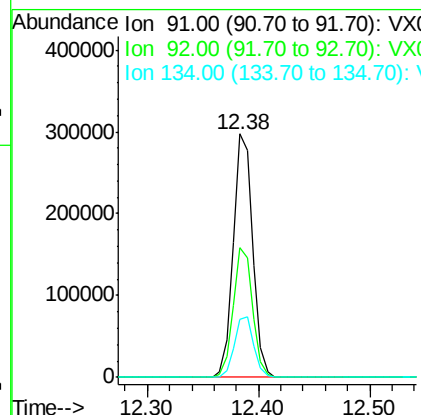
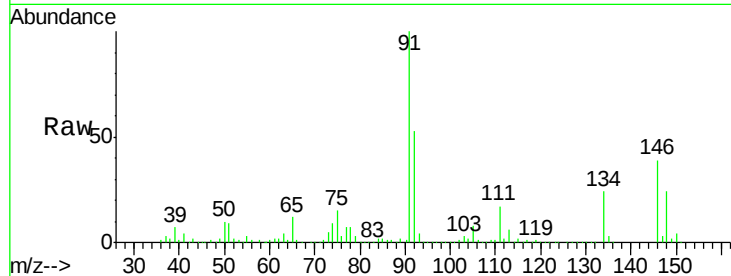
#89
n-Butylbenzene
Concen: 52.280 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	24.9	12.4	37.2

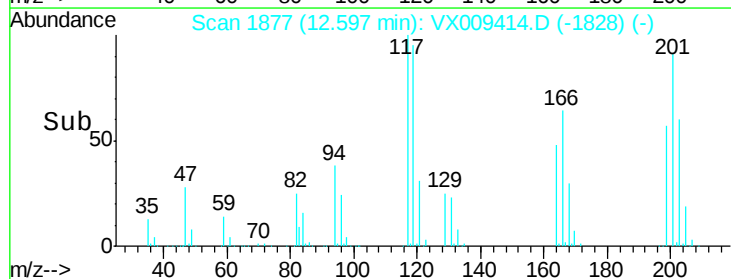
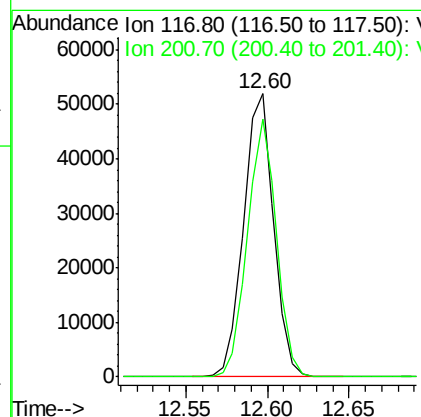
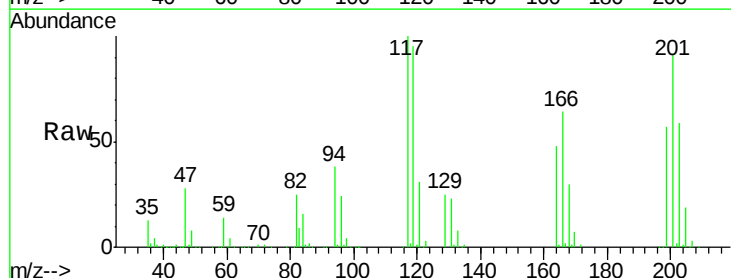
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#90
Hexachloroethane
Concen: 51.759 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	42.3	126.9





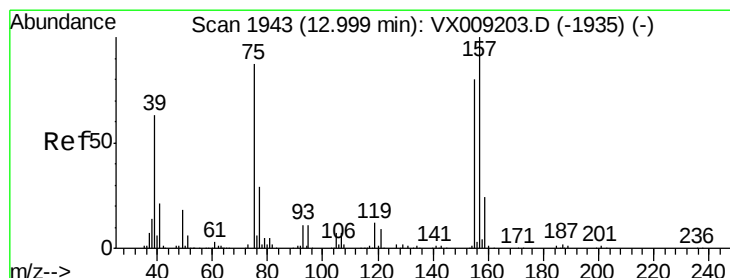
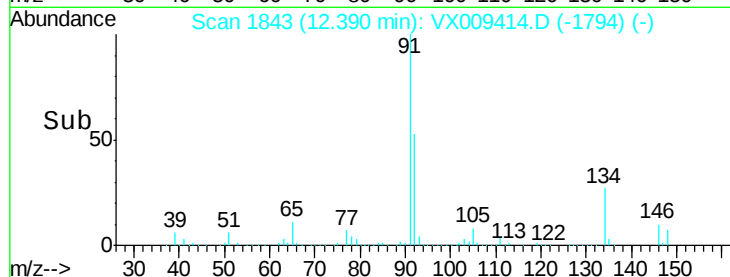
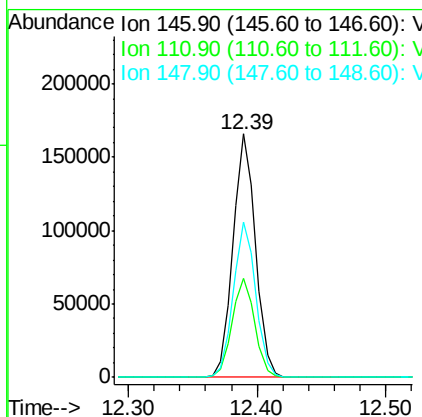
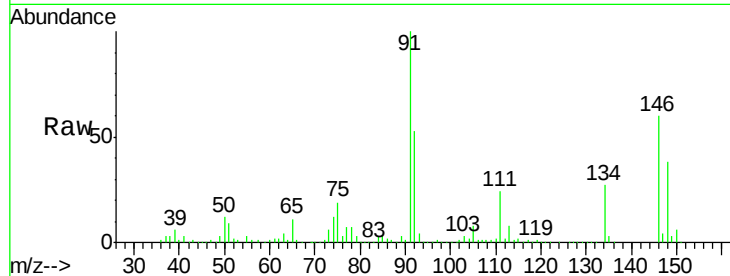
#91
 1,2-Dichlorobenzene
 Concen: 51.875 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.4
148	63.6	31.9	95.9

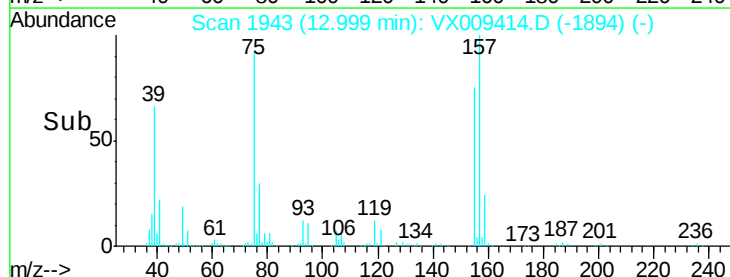
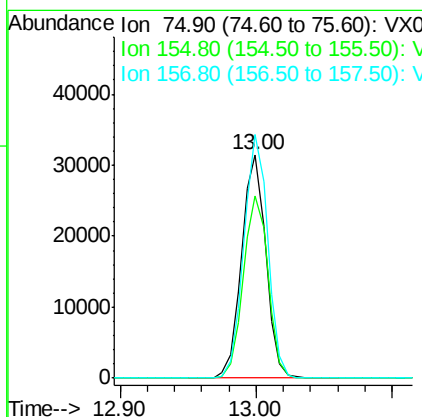
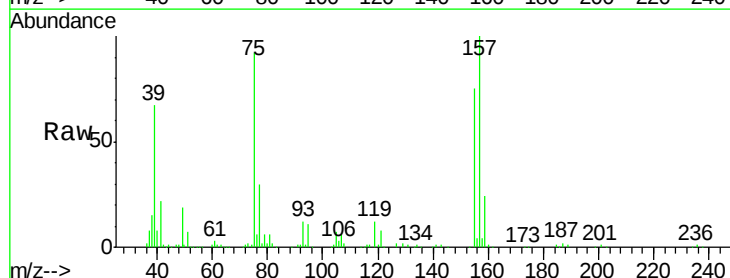
Manual Integrations
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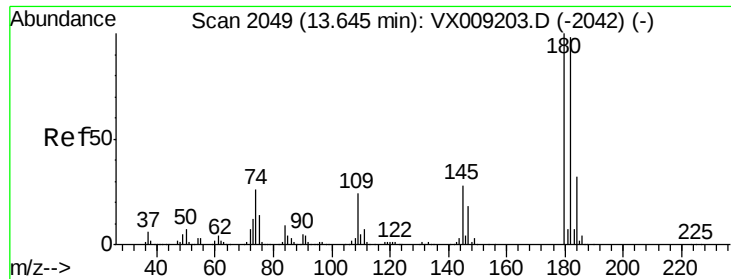
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.958 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	42.0	126.0
157	107.7	53.2	159.6





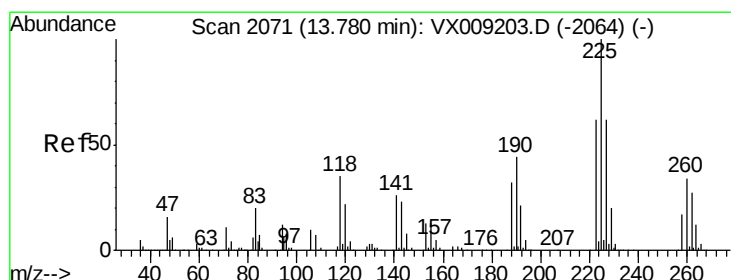
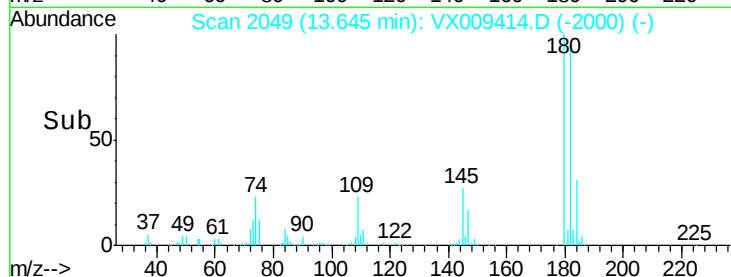
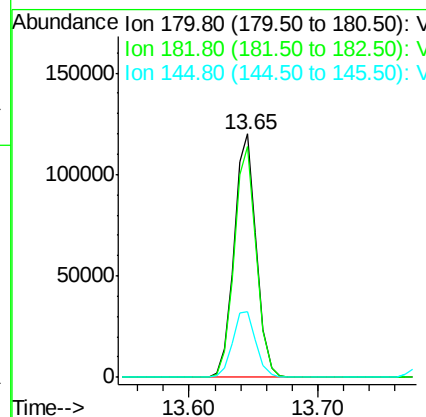
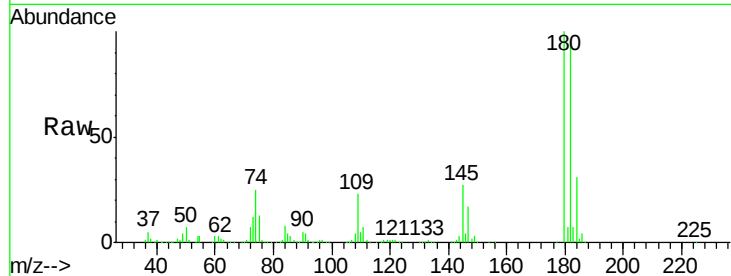
#93
 1,2,4-Trichlorobenzene
 Concen: 54.071 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	144289		
182	94.6	48.4	145.2	
145	28.8	14.6	43.8	

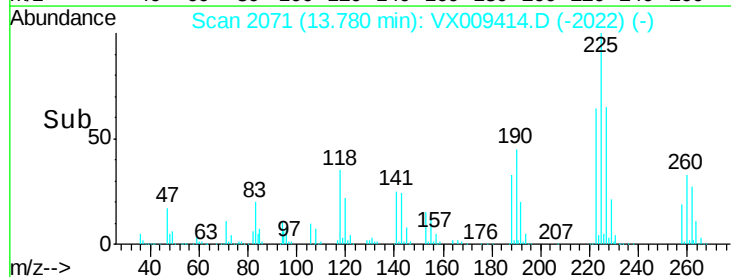
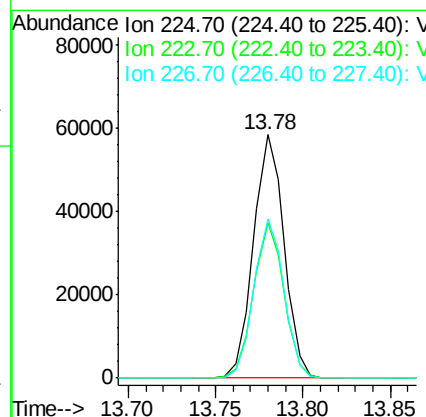
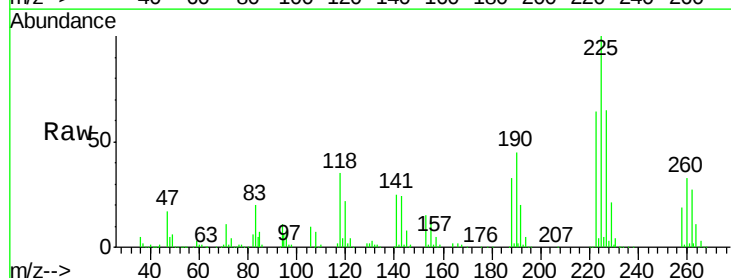
Manual Integrations
 APPROVED

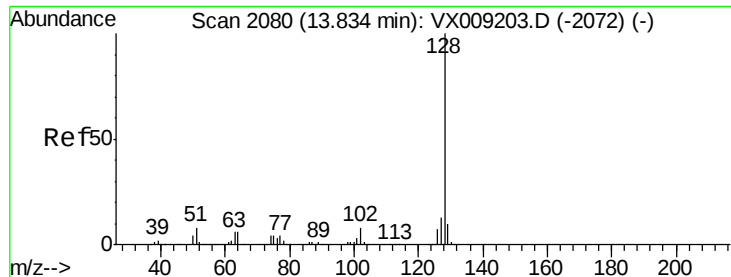
MMDadoda
 5/9/2019 9:49:43 AM



#94
 Hexachlorobutadiene
 Concen: 52.174 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009414.D
 Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71098		
223	63.0	31.3	93.8	
227	64.1	31.8	95.3	





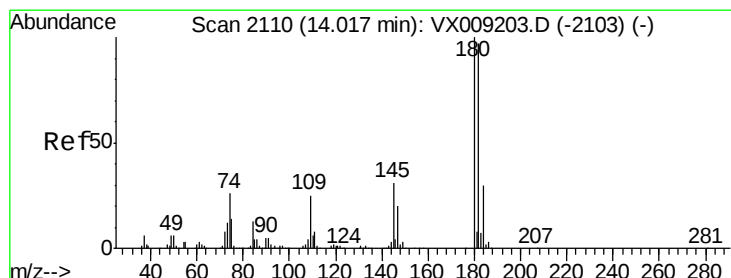
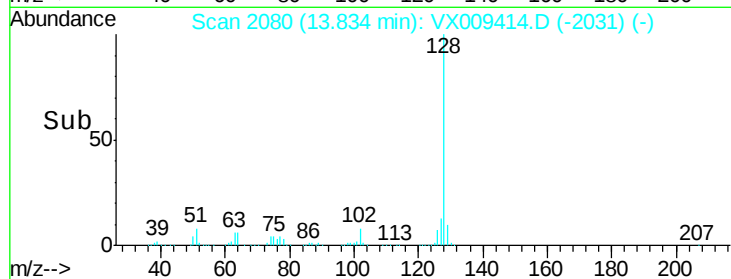
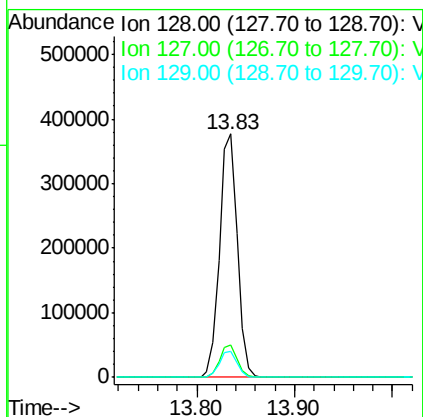
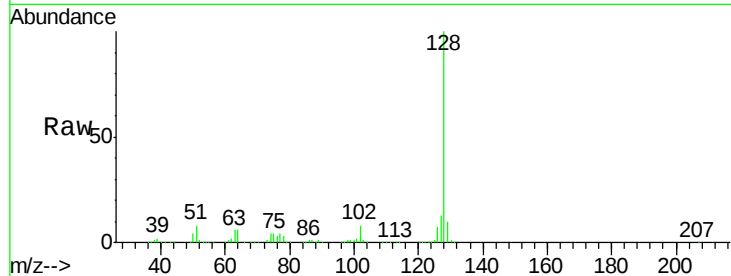
#95
Naphthalene
Concen: 54.623 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/9/2019 9:49:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.912 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009414.D
Acq: 08 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.8	143.4
145	30.6	15.4	46.4

