

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111718\
 Data File : VX006077.D
 Acq On : 17 Nov 2018 19:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 9:25:18 AM

Quant Time: Nov 19 02:38:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	120584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	183018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	139890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104635	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	70235	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
35) Dibromofluoromethane	5.51	113	53382	42.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.76%	
50) Toluene-d8	8.71	98	191204	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
62) 4-Bromofluorobenzene	11.14	95	72790	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	44251	40.70	ug/l	97
3) Chloromethane	1.32	50	53754	37.67	ug/l	99
4) Vinyl Chloride	1.41	62	54634	38.14	ug/l	90
5) Bromomethane	1.64	94	31632	36.09	ug/l	91
6) Chloroethane	1.71	64	36782	43.04	ug/l	97
7) Trichlorofluoromethane	1.92	101	81623	42.93	ug/l	94
8) Diethyl Ether	2.18	74	36717	49.28	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48797	44.62	ug/l	98
10) Methyl Iodide	2.51	142	61317	46.27	ug/l	98
11) Tert butyl alcohol	3.07	59	92392	232.66	ug/l	100
12) 1,1-Dichloroethene	2.37	96	46369	43.51	ug/l	98
13) Acrolein	2.29	56	50422	265.04	ug/l	100
14) Allyl chloride	2.73	41	107674	45.23	ug/l	99
15) Acrylonitrile	3.15	53	197785	240.33	ug/l	98
16) Acetone	2.45	43	171543	229.83	ug/l	96
17) Carbon Disulfide	2.57	76	116863	36.76	ug/l	99
18) Methyl Acetate	2.78	43	105669	52.91	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	185339	50.95	ug/l	100
20) Methylene Chloride	2.86	84	57857	47.19	ug/l	88
21) trans-1,2-Dichloroethene	3.16	96	49212	43.78	ug/l	90
22) Diisopropyl ether	3.88	45	194032	46.53	ug/l #	86
23) Vinyl Acetate	3.82	43	826264	231.10	ug/l	98
24) 1,1-Dichloroethane	3.70	63	103027	46.31	ug/l	100
25) 2-Butanone	4.70	43	277210	236.23	ug/l	98
26) 2,2-Dichloropropane	4.59	77	70126	42.97	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	60006	48.34	ug/l	98
28) Bromochloromethane	5.02	49	49015	49.30	ug/l	94
29) Tetrahydrofuran	5.15	42	179099	237.70	ug/l	99
30) Chloroform	5.21	83	101031	47.07	ug/l	89
31) Cyclohexane	5.57	56	83527	43.25	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	83825	46.82	ug/l	99
36) 1,1-Dichloropropene	5.80	75	73862	41.86	ug/l	98
37) Ethyl Acetate	4.85	43	102862	44.33	ug/l	99
38) Carbon Tetrachloride	5.78	117	72486	41.04	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	81414	45.53	ug/l	92
40) Benzene	6.14	78	232559	45.21	ug/l	99
41) Methacrylonitrile	5.06	41	56482	45.05	ug/l	99
42) 1,2-Dichloroethane	6.20	62	84977	46.13	ug/l	99
43) Isopropyl Acetate	6.46	43	165015	49.08	ug/l	98
44) Trichloroethene	7.21	130	61568	47.14	ug/l	89
45) 1,2-Dichloropropane	7.51	63	61652	49.38	ug/l	95
46) Dibromomethane	7.66	93	35446	45.25	ug/l	99
47) Bromodichloromethane	7.90	83	69044	46.64	ug/l	99
48) Methyl methacrylate	7.77	41	71035	47.06	ug/l	98
49) 1,4-Dioxane	7.75	88	29415	904.27	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	484152	228.50	ug/l	98
52) Toluene	8.79	92	124109	43.17	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	77240	44.21	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	81946	46.02	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	57474	44.86	ug/l	91
56) Ethyl methacrylate	9.18	69	90680	47.31	ug/l	98
57) 1,3-Dichloropropane	9.37	76	98819	45.90	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.32	63	240313	230.73	ug/l	100
59) 2-Hexanone	9.49	43	426052	228.12	ug/l	99
60) Dibromochloromethane	9.58	129	62815	45.37	ug/l	96
61) 1,2-Dibromoethane	9.67	107	61225	43.22	ug/l	98
64) Tetrachloroethene	9.34	164	65034	54.60	ug/l	90
65) Chlorobenzene	10.14	112	143776	51.30	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	52378	53.76	ug/l	98
67) Ethyl Benzene	10.25	91	244315	54.37	ug/l	100
68) m/p-Xylenes	10.36	106	187511	109.39	ug/l	99
69) o-Xylene	10.70	106	91364	59.44	ug/l	100
70) Styrene	10.71	104	155895	61.48	ug/l	100
71) Bromoform	10.86	173	45820	56.10	ug/l #	99
73) Isopropylbenzene	11.02	105	252087	41.66	ug/l	100
74) N-amyl acetate	10.90	43	129476	38.43	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	90077	40.56	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	86984m	40.83	ug/l	
77) Bromobenzene	11.26	156	67597	39.63	ug/l	99
78) n-propylbenzene	11.36	91	319641	44.82	ug/l	95
79) 2-Chlorotoluene	11.42	91	179678	41.69	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	225823	43.92	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	26844	40.16	ug/l	96
82) 4-Chlorotoluene	11.51	91	221365	43.58	ug/l	99
83) tert-Butylbenzene	11.77	119	278673	53.57	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	286840	50.55	ug/l	100
85) sec-Butylbenzene	11.94	105	340556	53.54	ug/l	100
86) p-Isopropyltoluene	12.07	119	302944	53.76	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	165372	50.52	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	165060	49.26	ug/l	99
89) n-Butylbenzene	12.39	91	267109	51.15	ug/l	99
90) Hexachloroethane	12.60	117	47775	50.78	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	165613	50.51	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27363	50.49	ug/l	89

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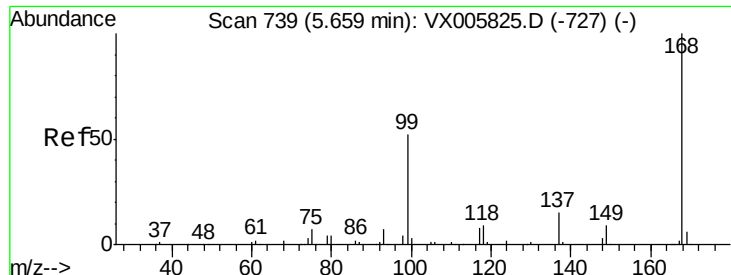
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128224	55.55	ug/l	99
94) Hexachlorobutadiene	13.78	225	57514	47.43	ug/l	99
95) Naphthalene	13.83	128	406380	53.89	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131834	56.06	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 120584

Ion Ratio Lower Upper

168 100

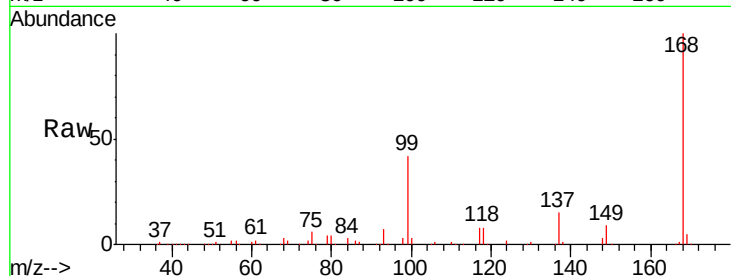
99 42.2 40.7 61.1

Manual Integrations

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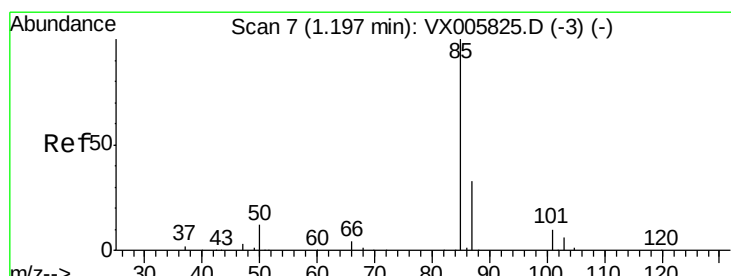
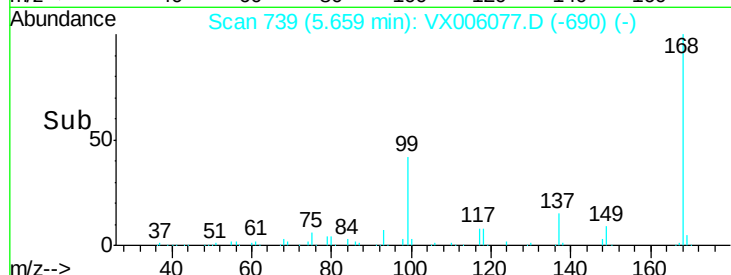
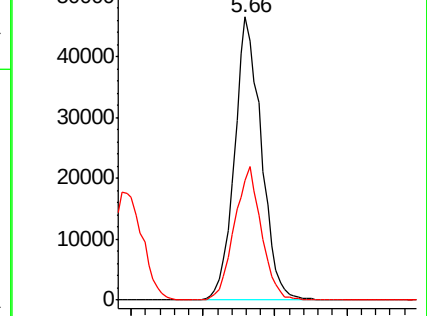
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 40.70 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006077.D

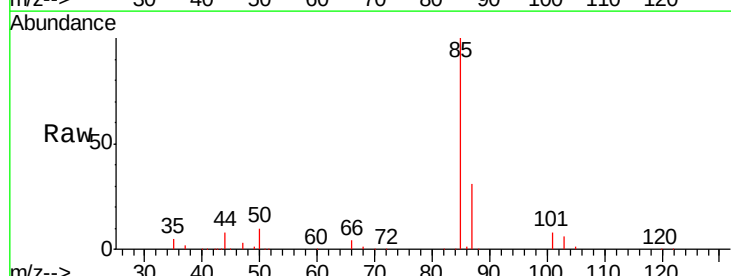
Acq: 17 Nov 2018 19:05

Tgt Ion: 85 Resp: 44251

Ion Ratio Lower Upper

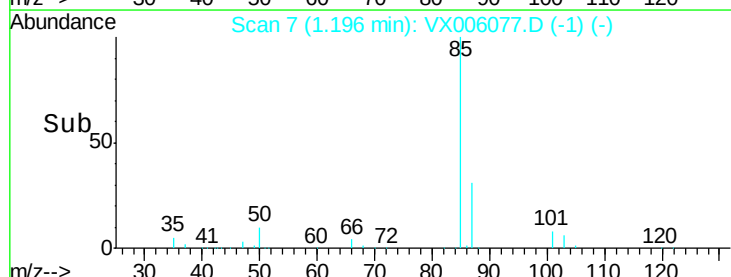
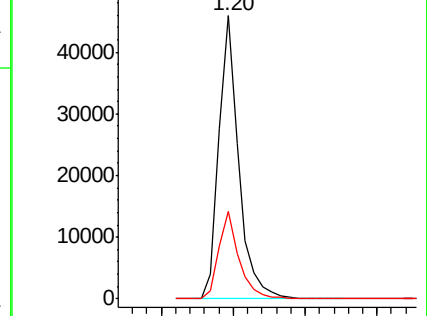
85 100

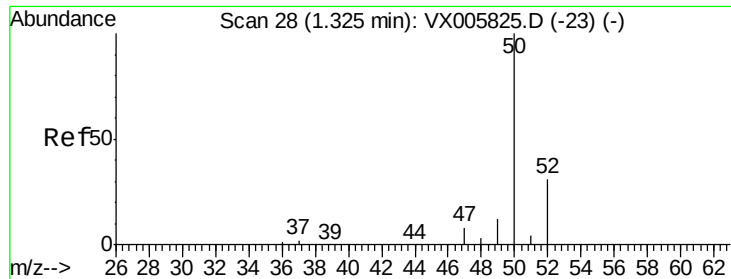
87 31.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 37.67 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 53754

Ion Ratio Lower Upper

50 100

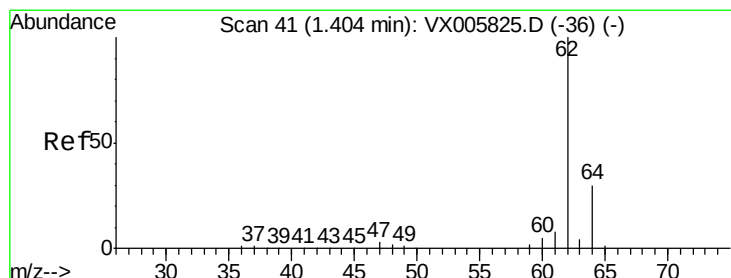
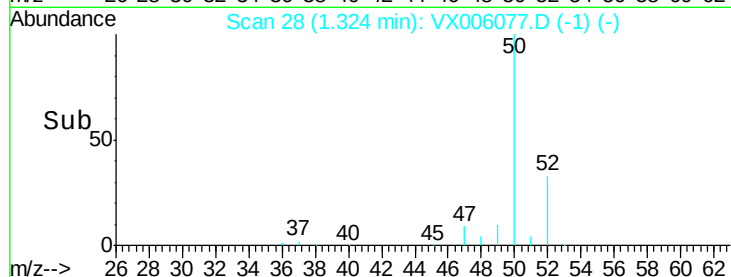
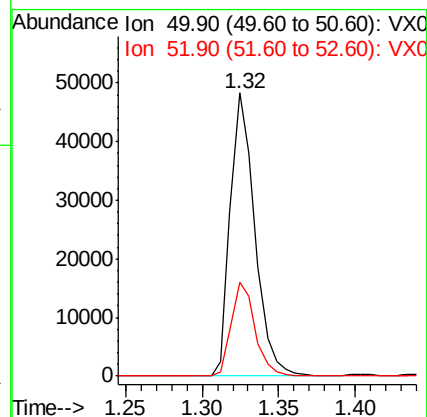
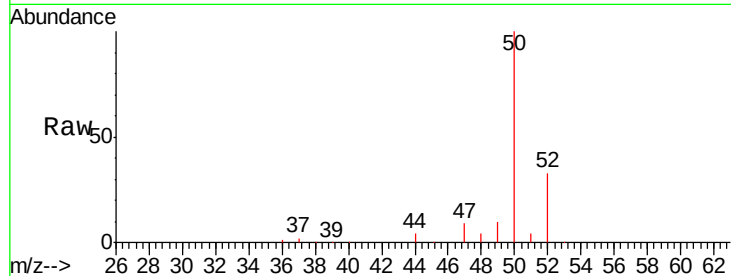
52 33.2 26.2 39.2

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#4

Vinyl Chloride

Concen: 38.14 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX006077.D

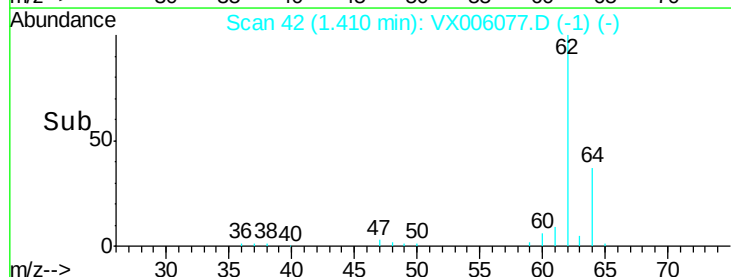
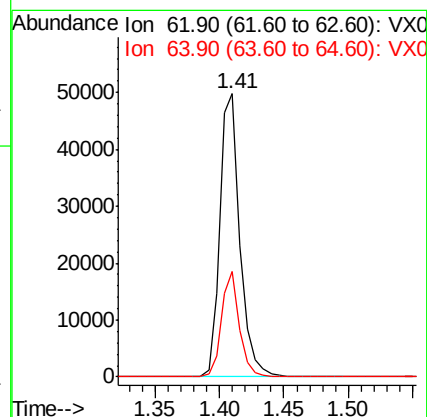
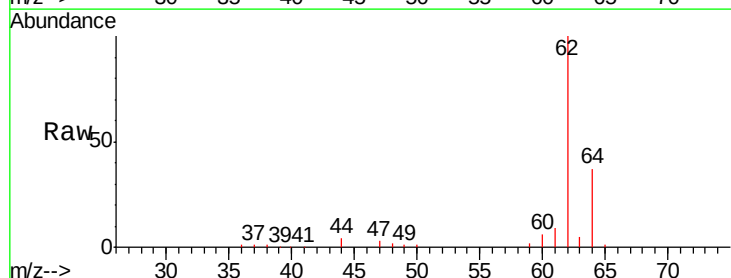
Acq: 17 Nov 2018 19:05

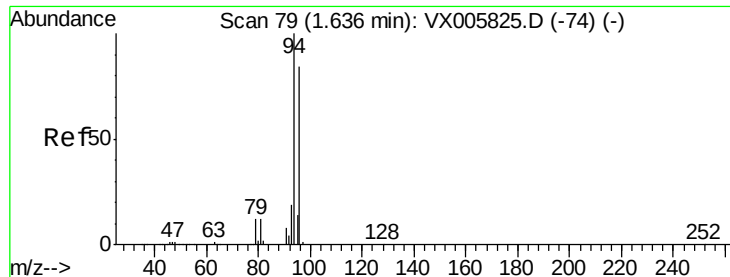
Tgt Ion: 62 Resp: 54634

Ion Ratio Lower Upper

62 100

64 37.3 25.3 37.9





#5

Bromomethane

Concen: 36.09 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 31632

Ion Ratio Lower Upper

94 100

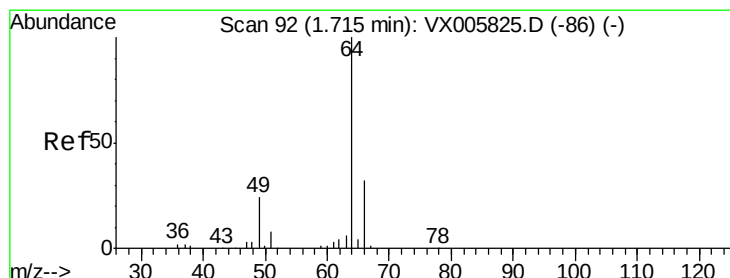
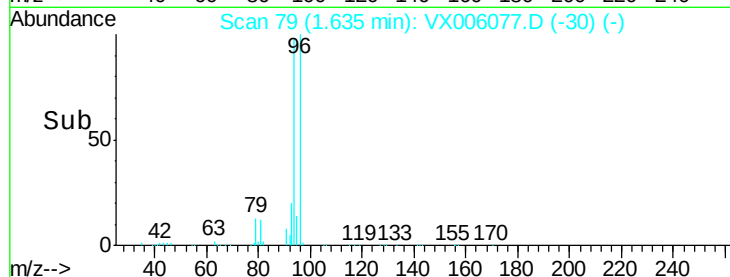
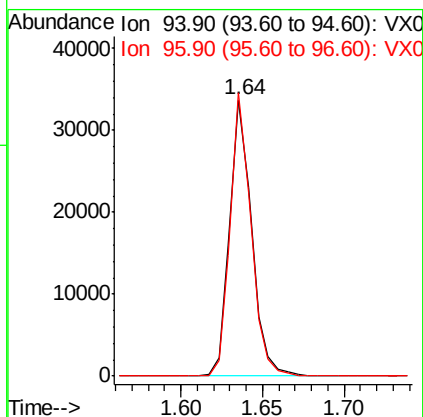
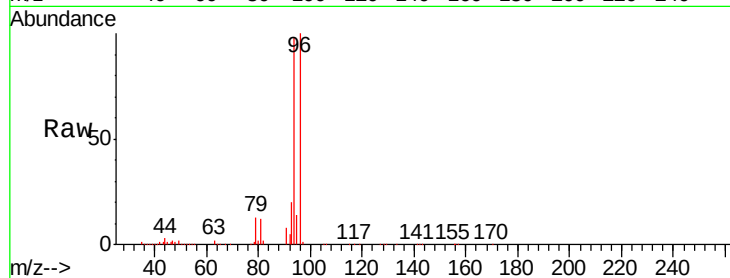
96 102.5 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 43.04 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006077.D

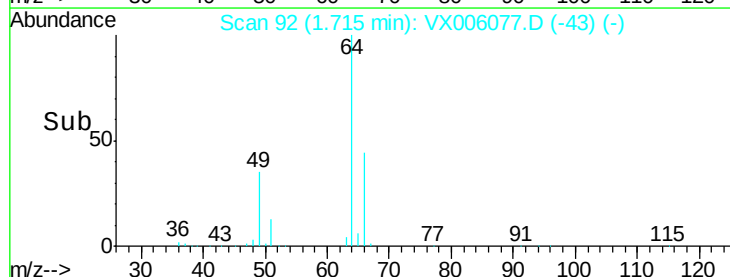
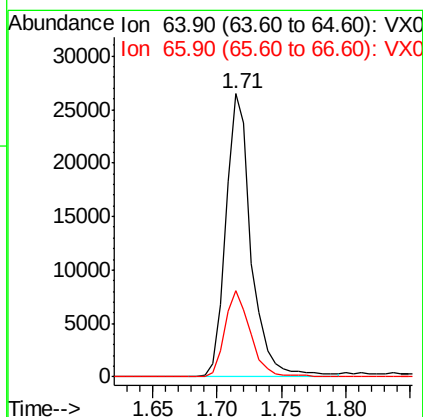
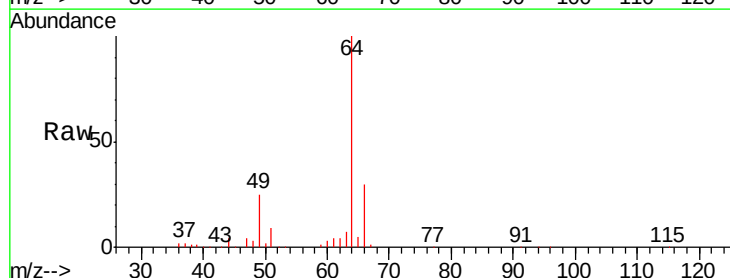
Acq: 17 Nov 2018 19:05

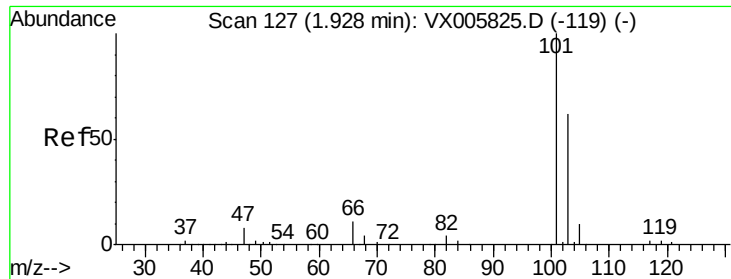
Tgt Ion: 64 Resp: 36782

Ion Ratio Lower Upper

64 100

66 30.3 25.8 38.6





#7

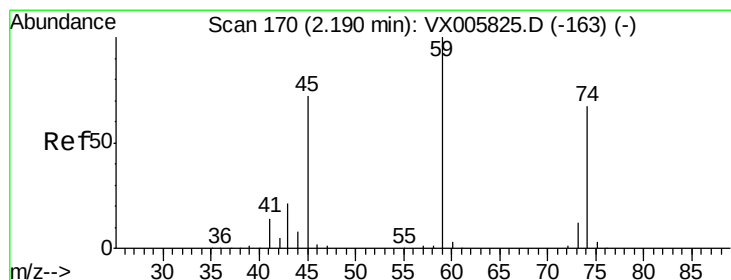
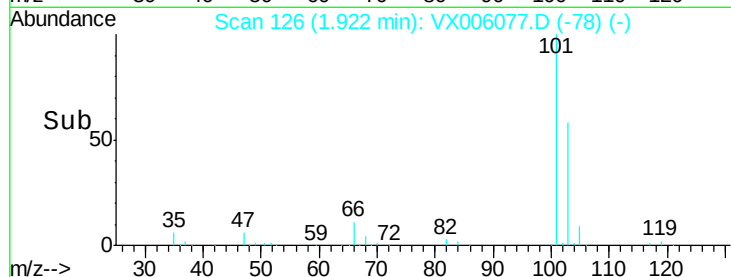
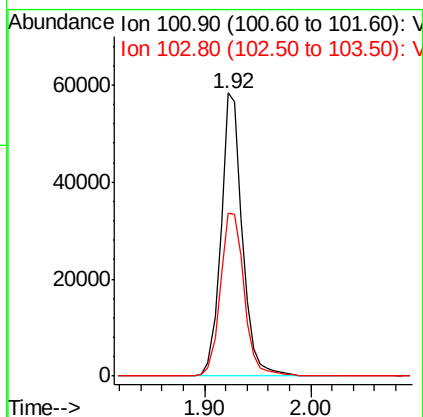
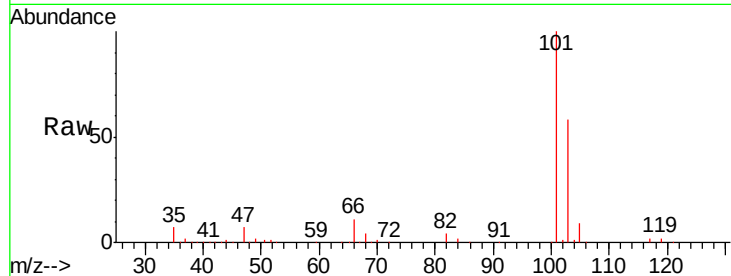
Trichlorofluoromethane
Concen: 42.93 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 101 Resp: 81623
Ion Ratio Lower Upper
101 100
103 57.8 50.0 75.0

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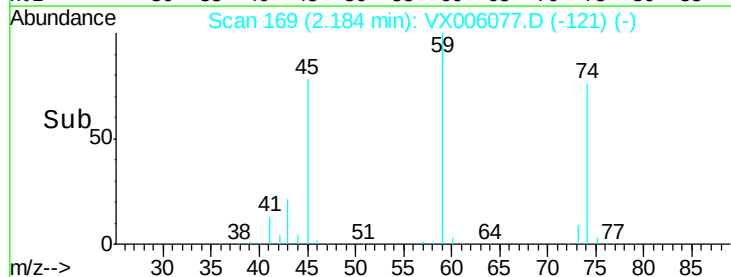
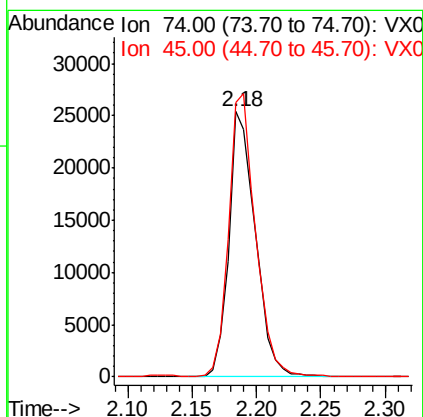
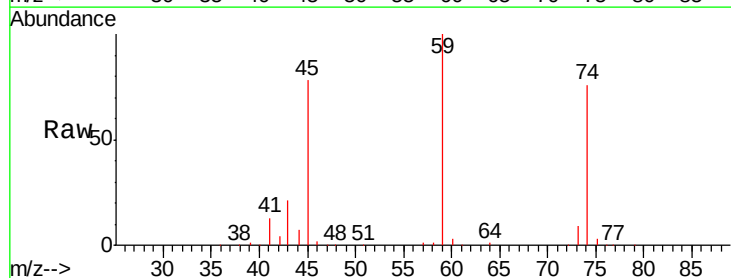
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11/19/2018 9:25:18 AM

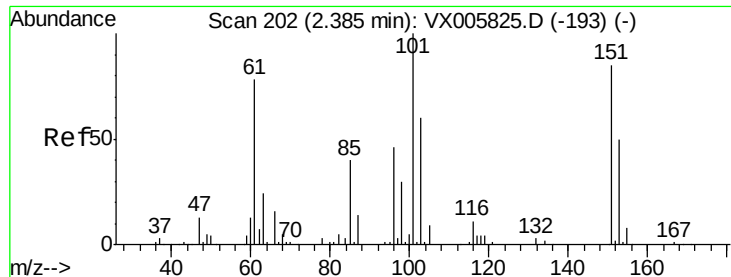


#8

Diethyl Ether
Concen: 49.28 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion: 74 Resp: 36717
Ion Ratio Lower Upper
74 100
45 108.9 54.1 162.3





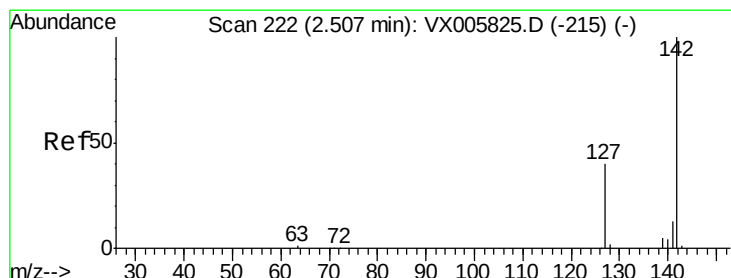
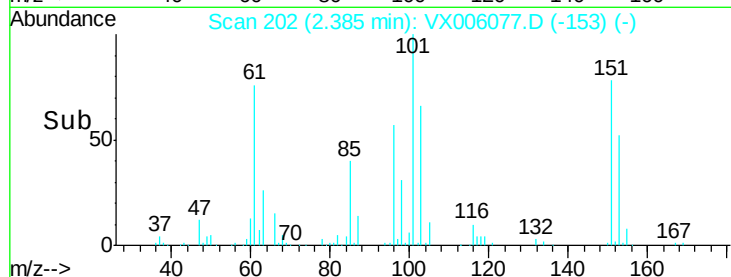
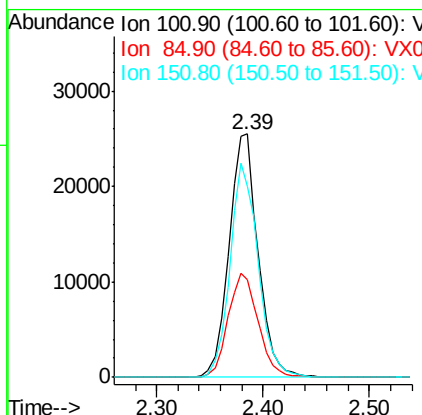
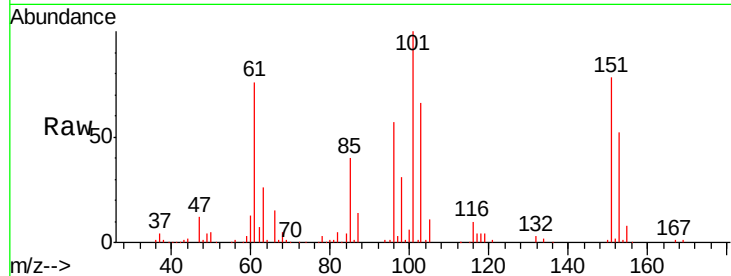
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.62 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	48797		
85	44.3	35.0	52.4	
151	85.2	66.2	99.2	

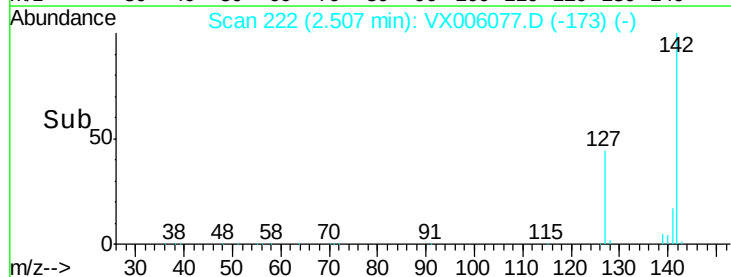
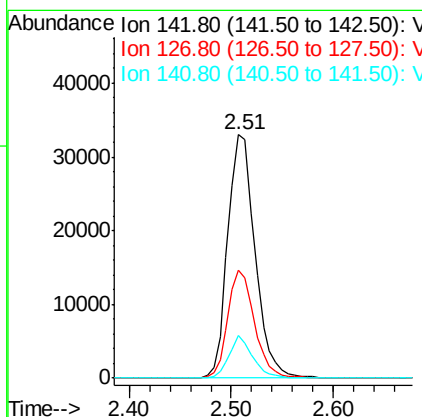
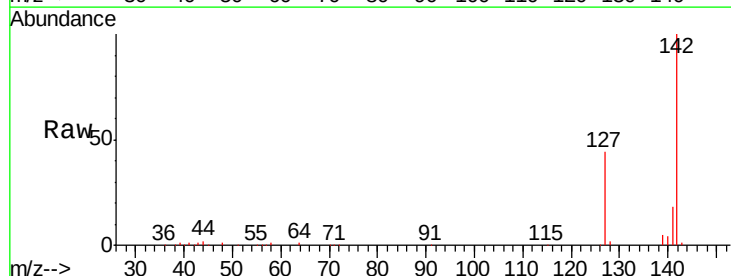
Manual Integrations
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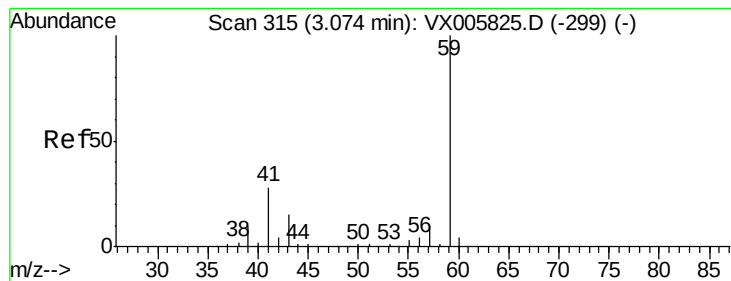
MMDadoda
 11/19/2018 9:25:18 AM



#10
 Methyl Iodide
 Concen: 46.27 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	61317		
127	43.2	36.0	54.0	
141	15.2	11.7	17.5	





#11

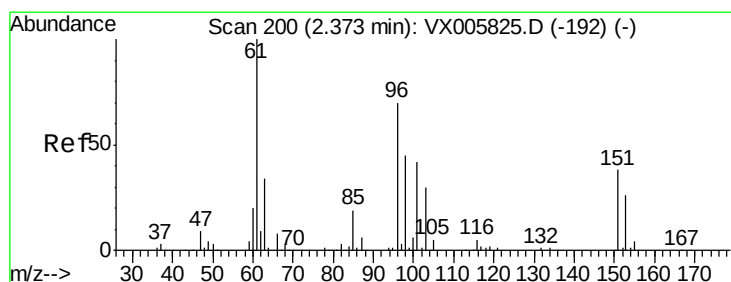
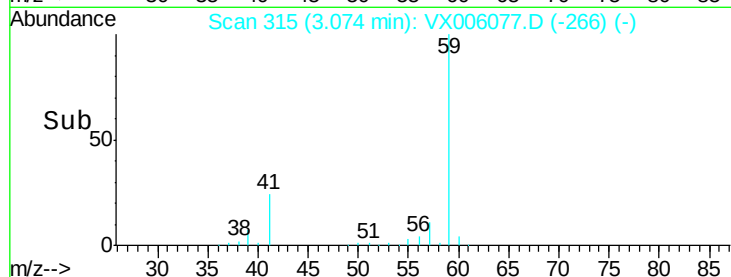
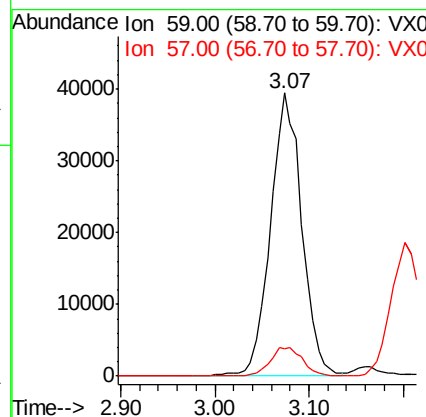
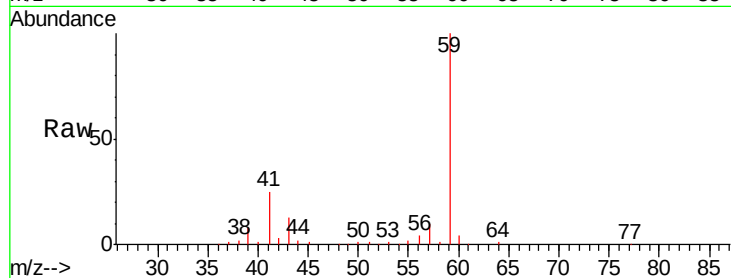
Tert butyl alcohol
 Concen: 232.66 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
 APPROVED

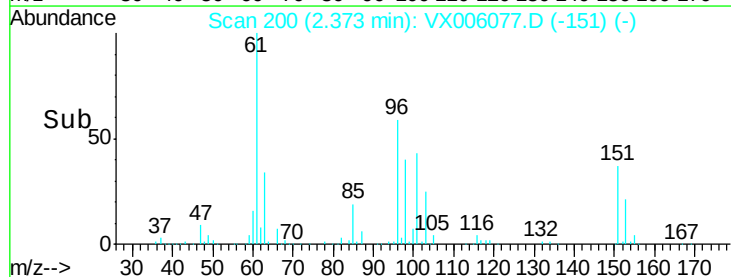
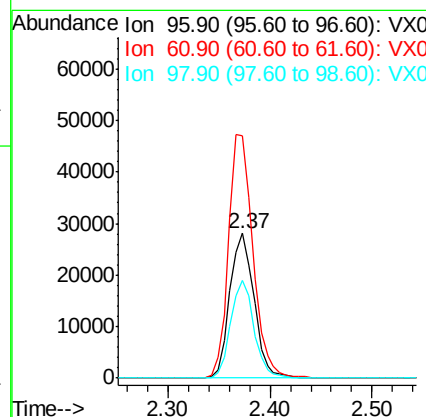
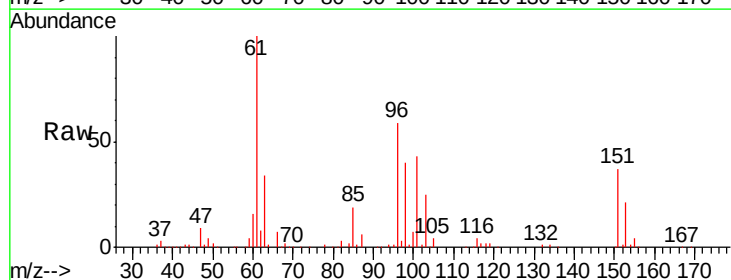
MMDadoda
 11/19/2018 9:25:18 AM

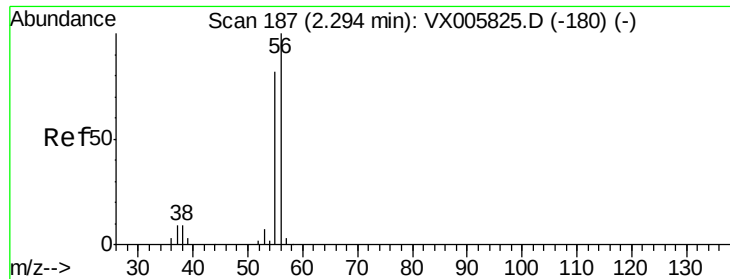


#12

1,1-Dichloroethene
 Concen: 43.51 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.2	131.8	197.8
98	67.5	53.4	80.2





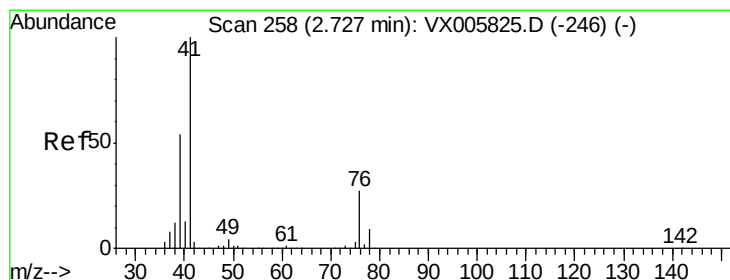
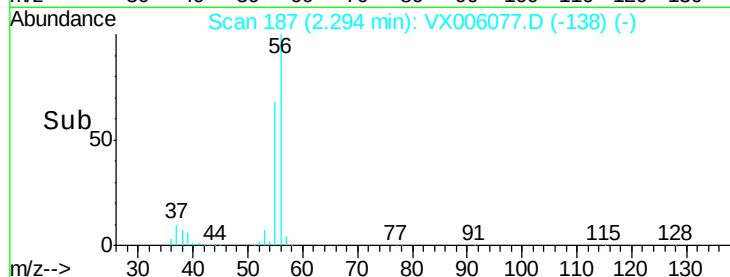
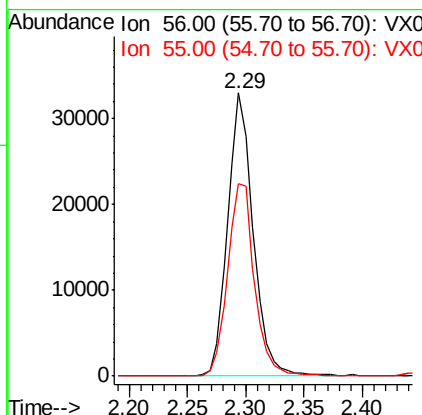
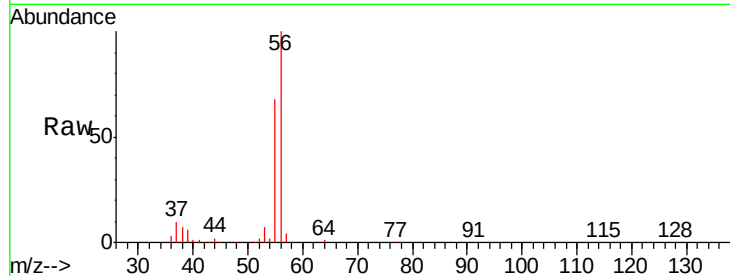
#13
Acrolein
Concen: 265.04 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 50422
Ion Ratio Lower Upper
56 100
55 72.0 57.3 85.9

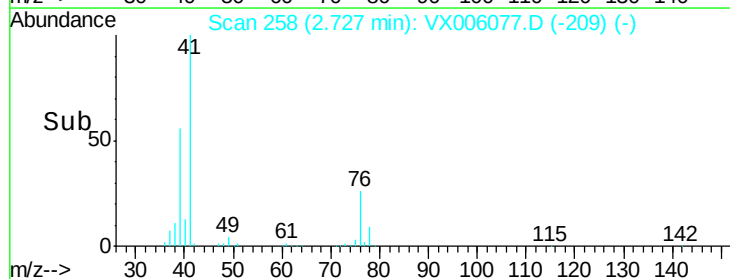
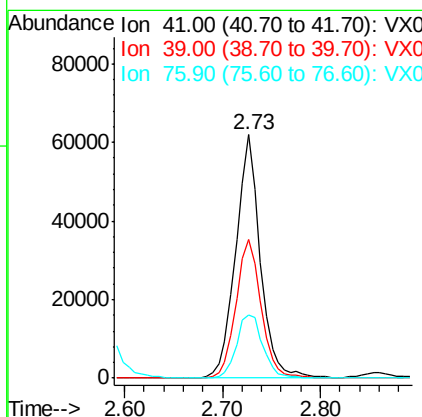
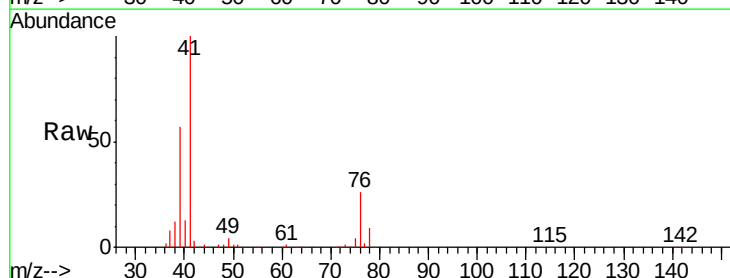
Manual Integrations
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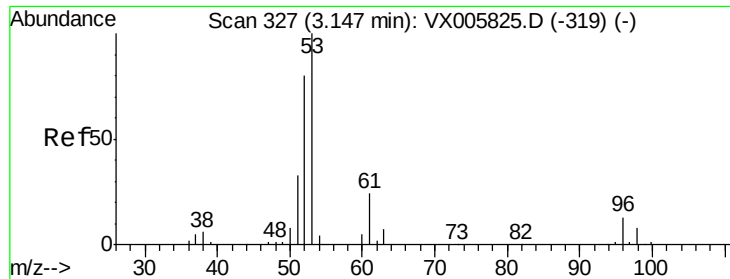
MMDadoda
11/19/2018 9:25:18 AM



#14
Allyl chloride
Concen: 45.23 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion: 41 Resp: 107674
Ion Ratio Lower Upper
41 100
39 58.8 48.2 72.4
76 27.6 21.9 32.9





#15

Acrylonitrile

Concen: 240.33 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

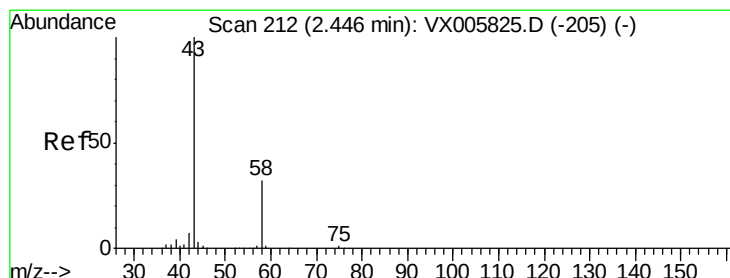
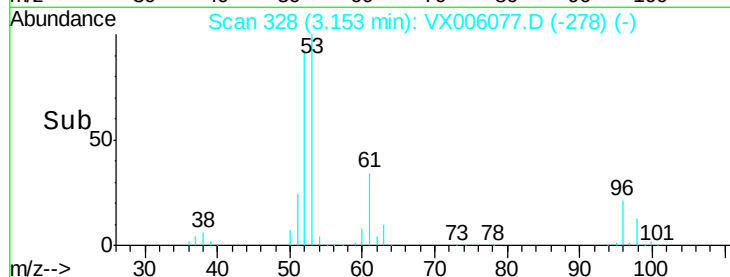
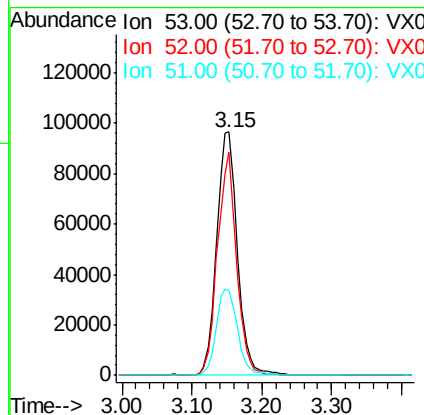
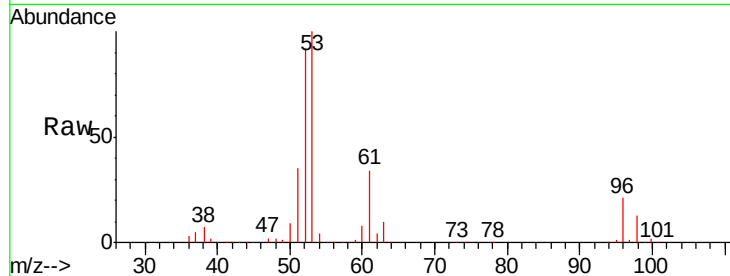
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	197785
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.6	99.8
51	36.6	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 229.83 ug/l

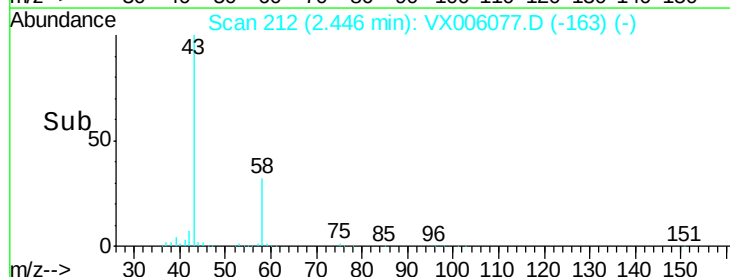
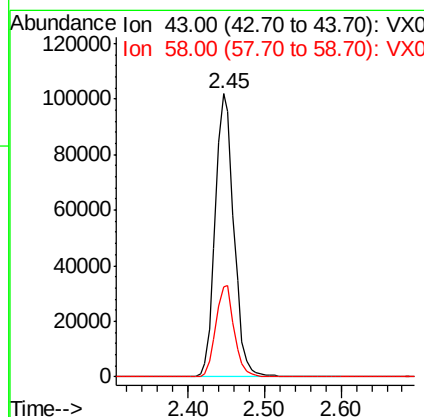
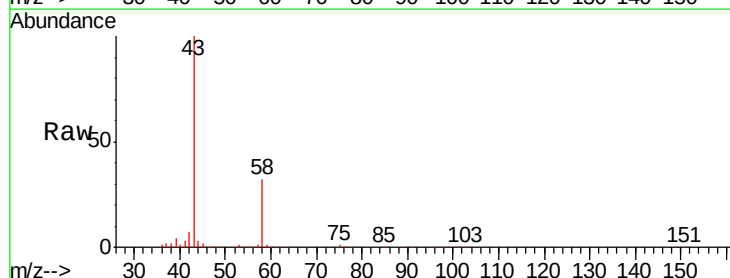
RT: 2.45 min Scan# 212

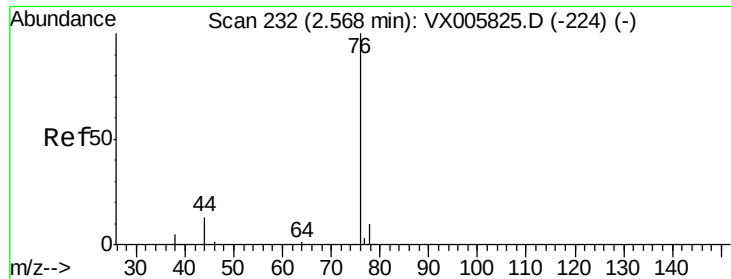
Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Tgt Ion:	43	Resp:	171543
Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.8	35.6





#17

Carbon Disulfide

Concen: 36.76 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 116863

Ion Ratio Lower Upper

76 100

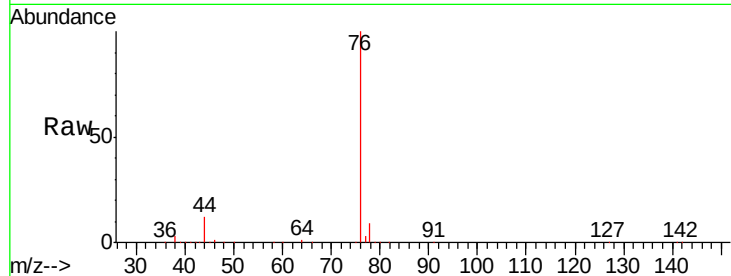
78 8.7 7.3 10.9

Manual Integrations

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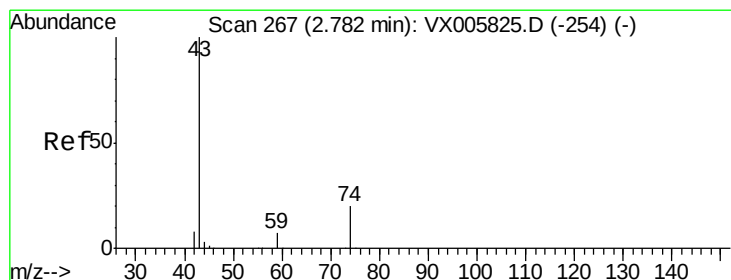
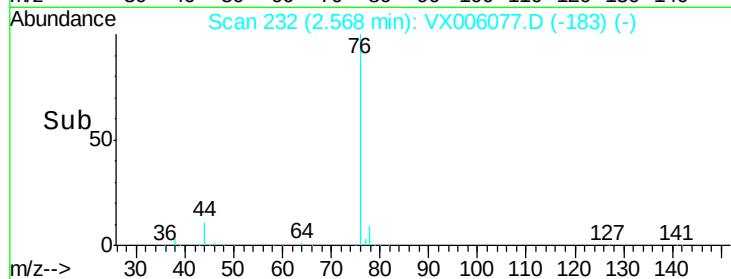
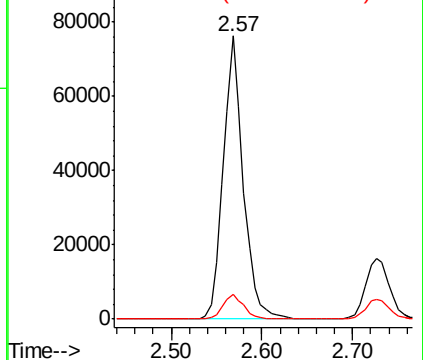
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 52.91 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006077.D

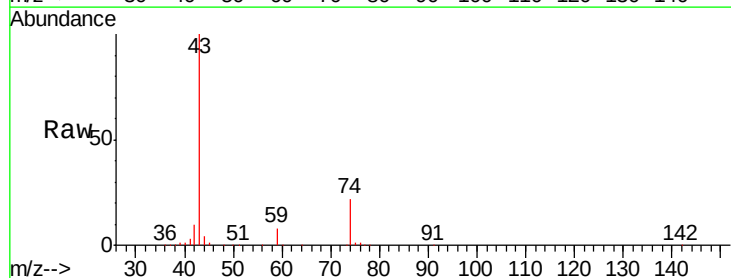
Acq: 17 Nov 2018 19:05

Tgt Ion: 43 Resp: 105669

Ion Ratio Lower Upper

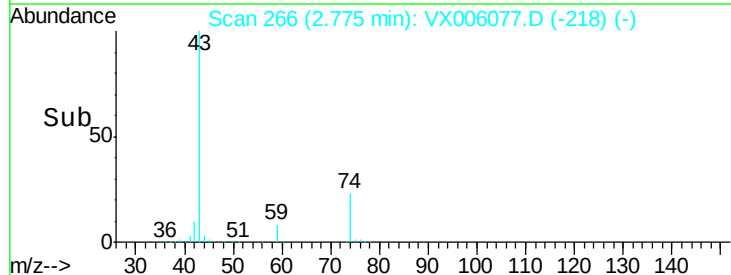
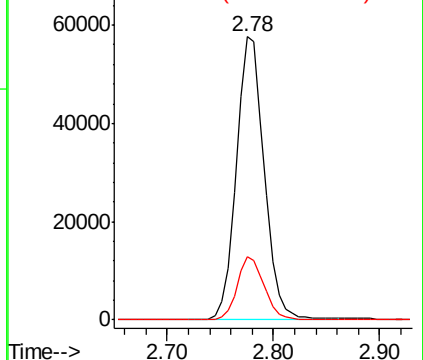
43 100

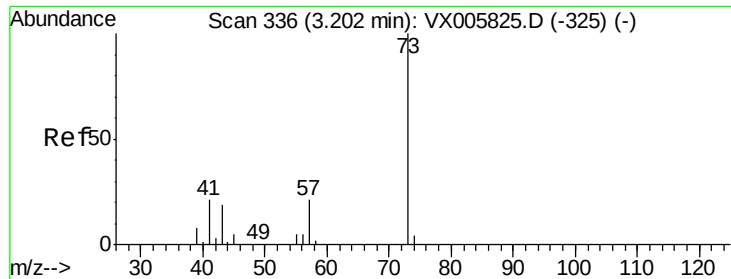
74 21.4 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





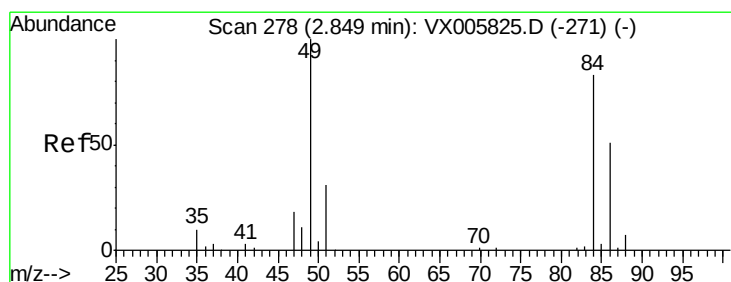
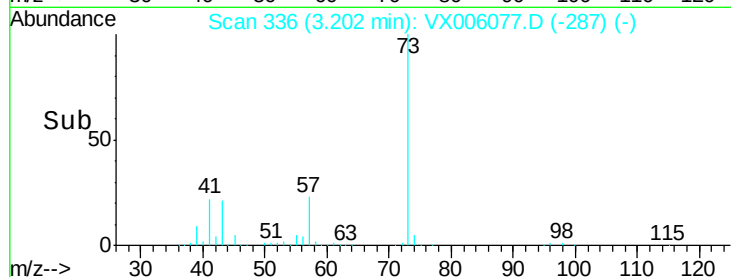
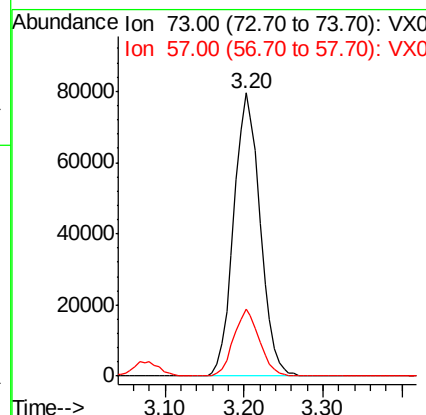
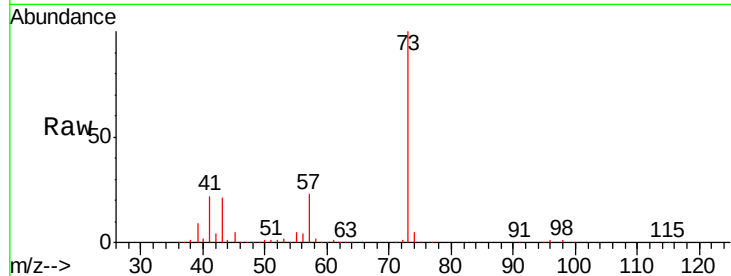
#19
Methyl tert-butyl Ether
Concen: 50.95 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 185339
Ion Ratio Lower Upper
73 100
57 23.5 18.8 28.2

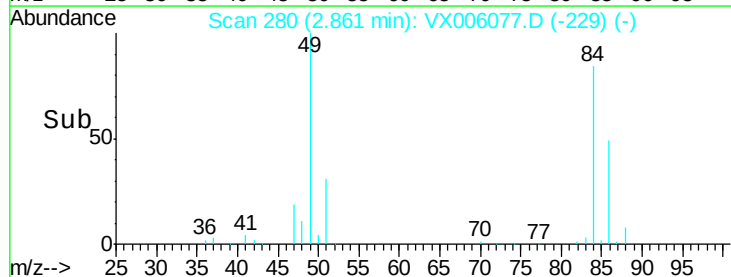
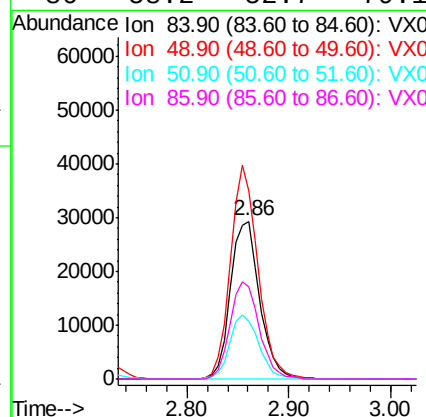
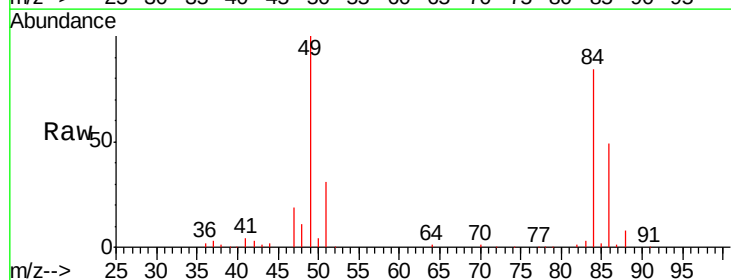
Manual Integrations
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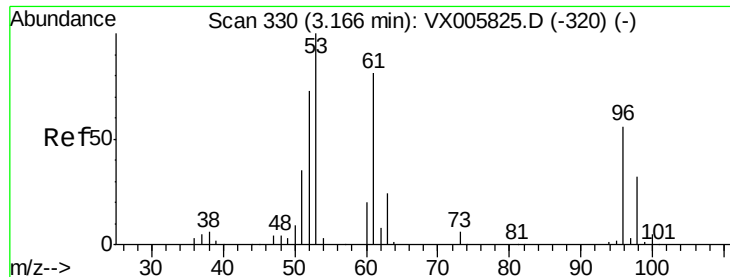
MMDadoda
11/19/2018 9:25:18 AM



#20
Methylene Chloride
Concen: 47.19 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion: 84 Resp: 57857
Ion Ratio Lower Upper
84 100
49 119.2 109.5 164.3
51 36.7 33.3 49.9
86 58.2 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 43.78 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

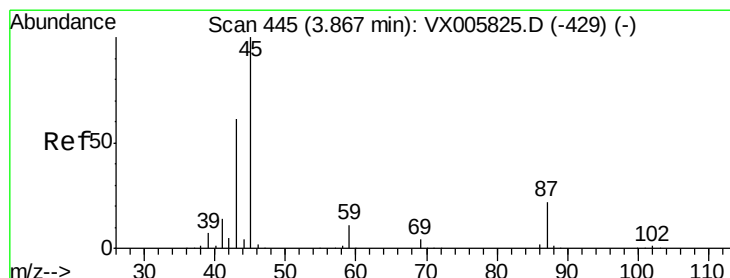
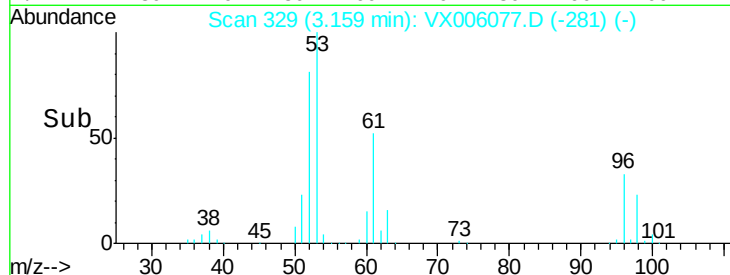
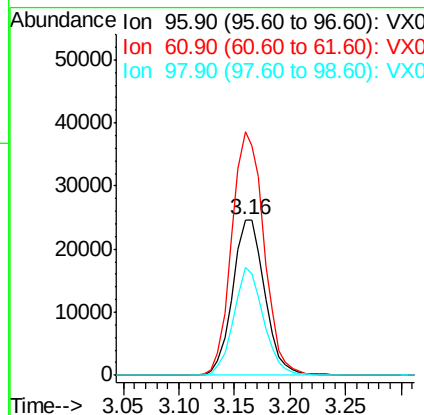
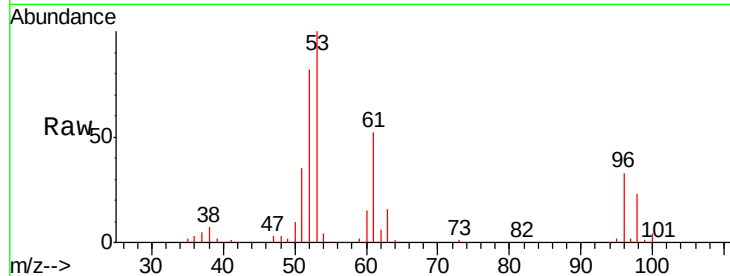
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	49212
Ion	Ratio	Lower	Upper
96	100		
61	156.8	115.6	173.4
98	69.8	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.53 ug/l

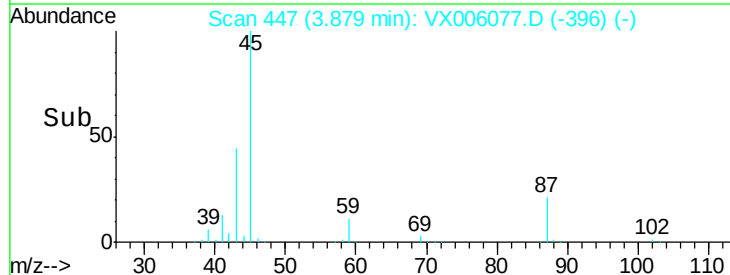
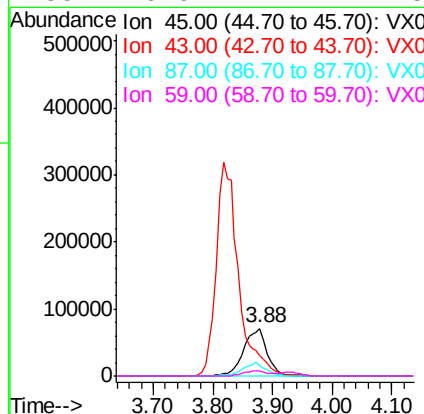
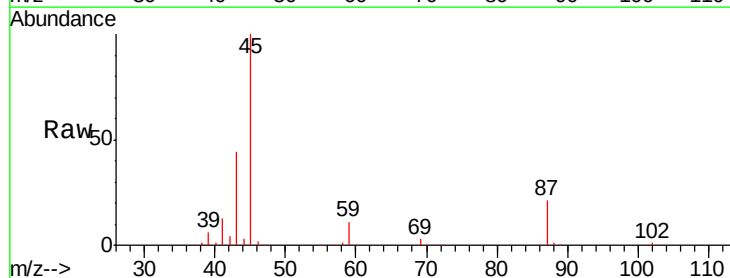
RT: 3.88 min Scan# 447

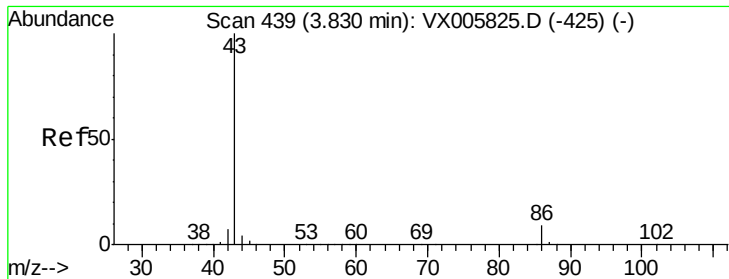
Delta R.T. 0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Tgt Ion:	45	Resp:	194032
Ion	Ratio	Lower	Upper
45	100		
43	44.3	47.4	71.2#
87	20.8	15.9	23.9
59	10.9	7.7	11.5





#23

Vinyl Acetate

Concen: 231.10 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 826264

Ion Ratio Lower Upper

43 100

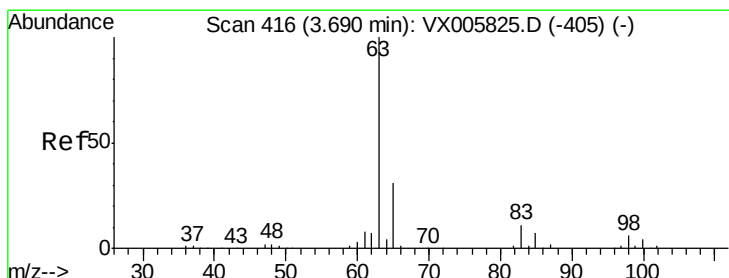
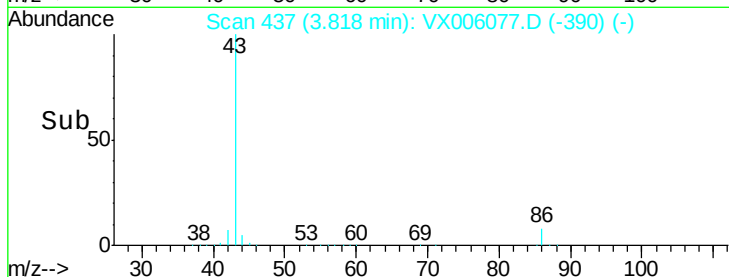
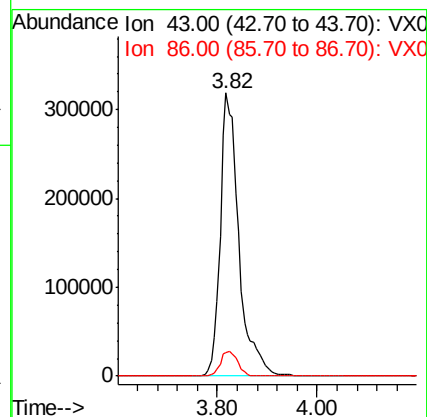
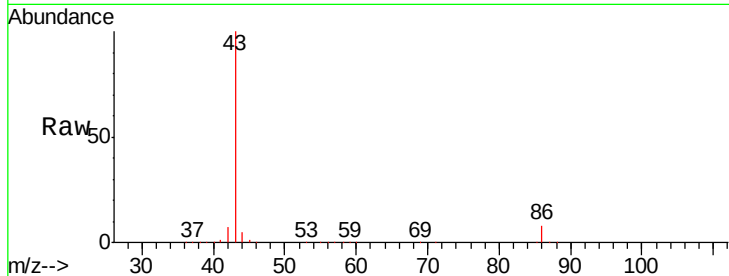
86 8.4 7.4 11.2

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#24

1,1-Dichloroethane

Concen: 46.31 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

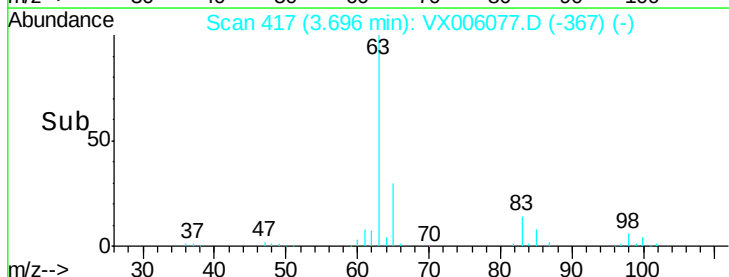
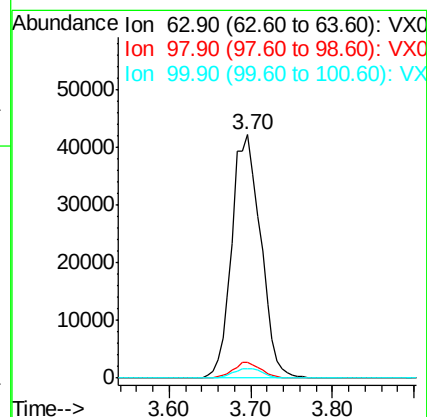
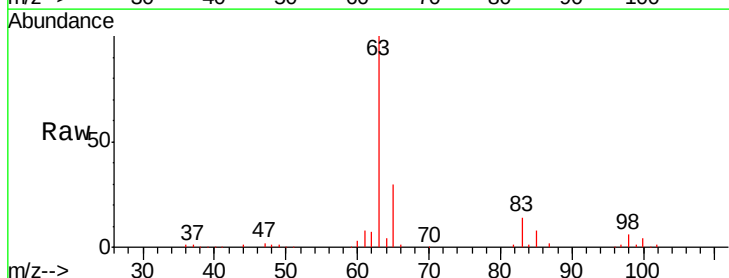
Tgt Ion: 63 Resp: 103027

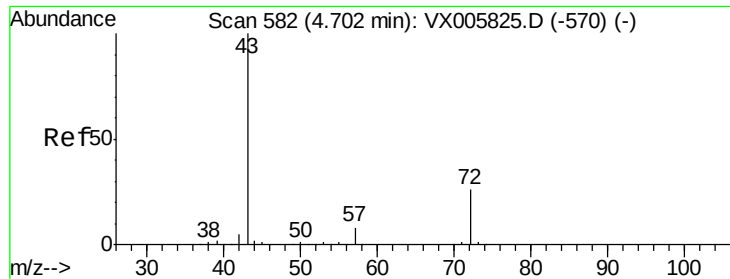
Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 236.23 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 277210

Ion Ratio Lower Upper

43 100

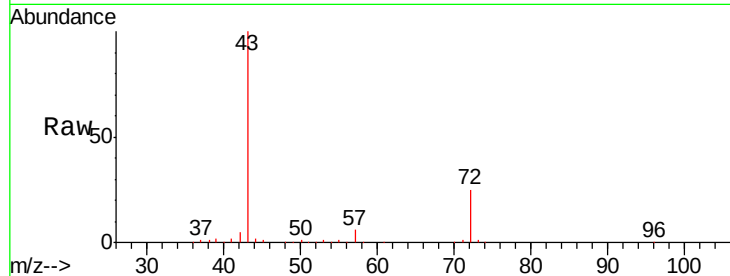
72 24.9 19.2 28.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

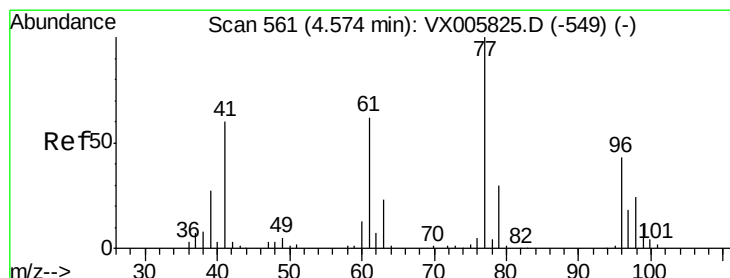
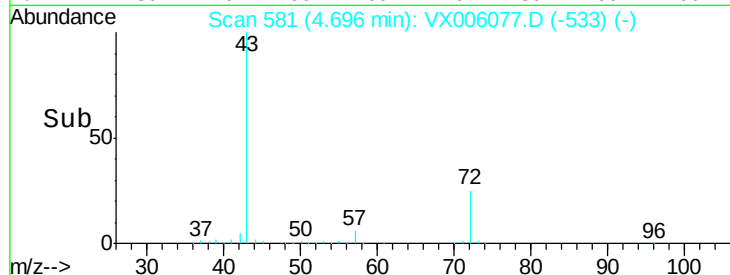
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 42.97 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006077.D

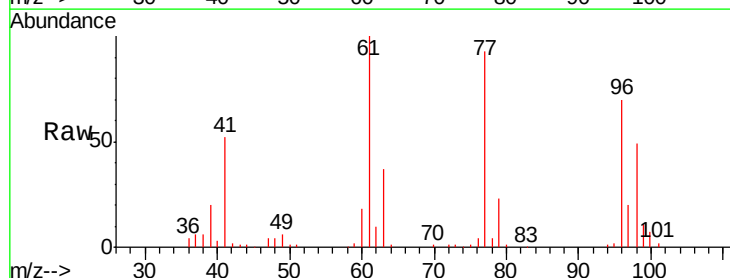
Acq: 17 Nov 2018 19:05

Tgt Ion: 77 Resp: 70126

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

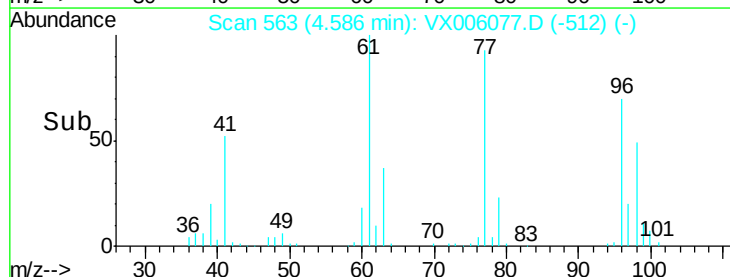
15000

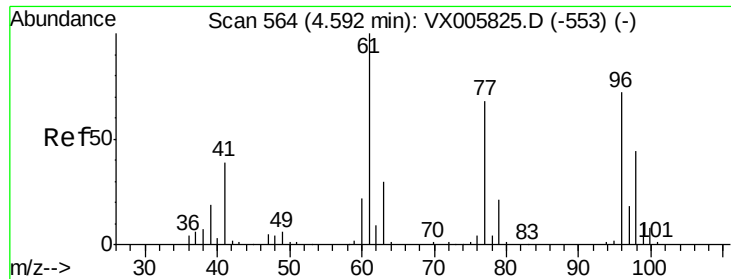
10000

5000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.34 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

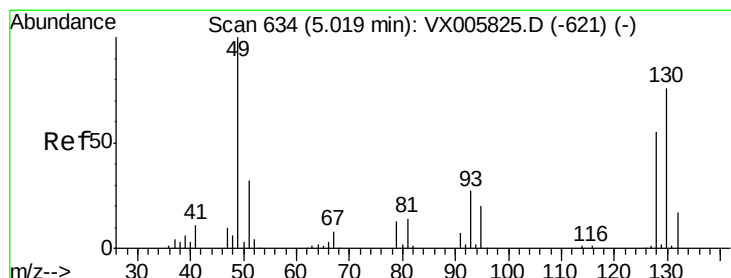
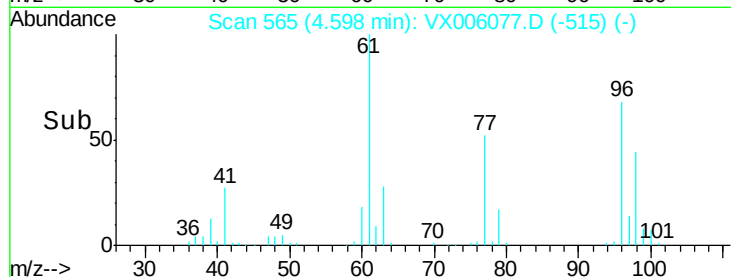
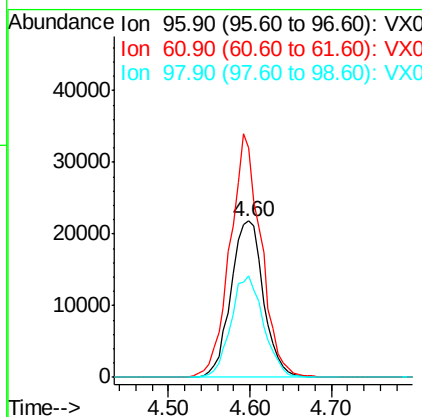
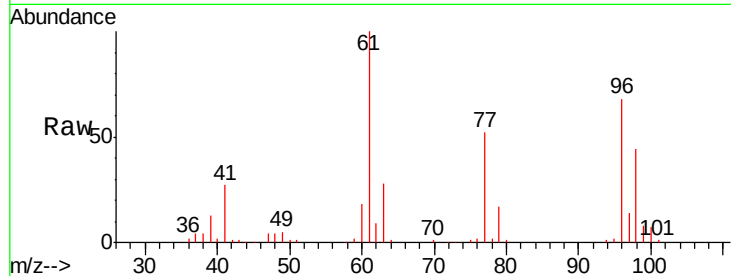
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	60006
Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	304.6
98	64.7	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 49.30 ug/l

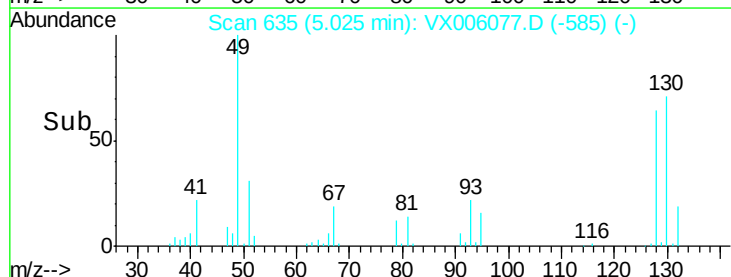
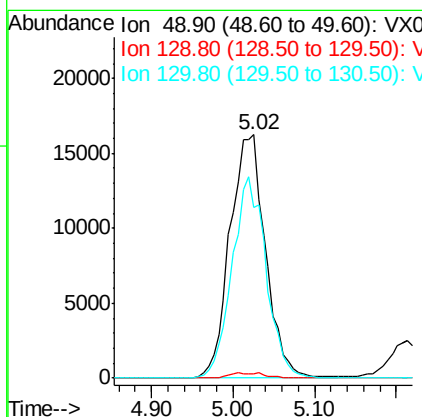
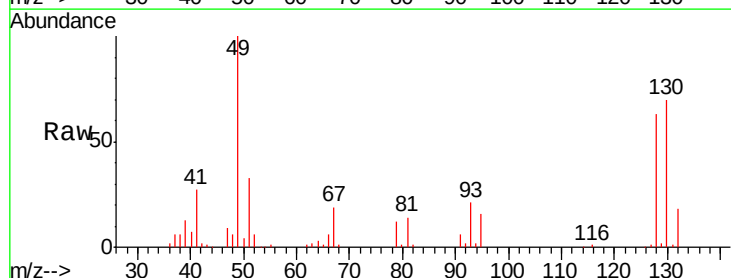
RT: 5.02 min Scan# 635

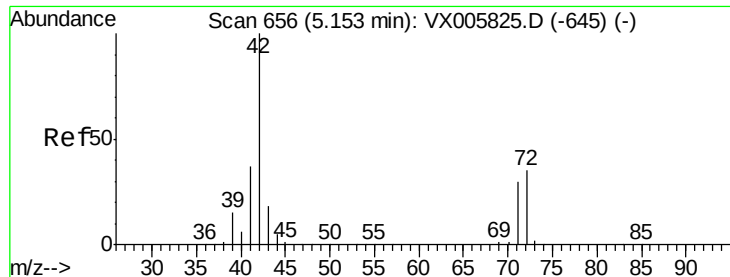
Delta R.T. 0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Tgt Ion:	49	Resp:	49015
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	78.8	58.9	88.3





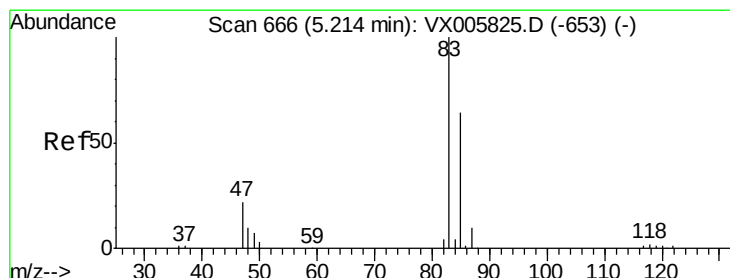
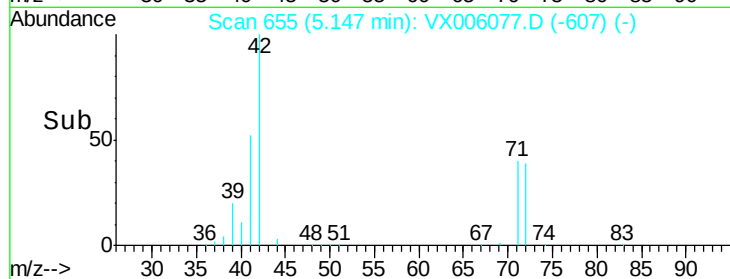
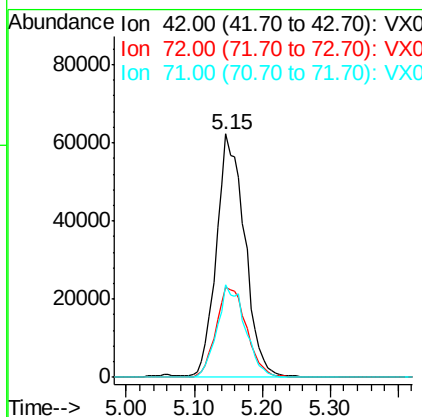
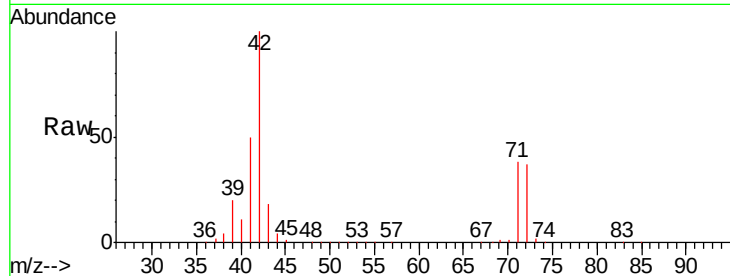
#29
Tetrahydrofuran
Concen: 237.70 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.0	48.0
71	38.0	29.8	44.8

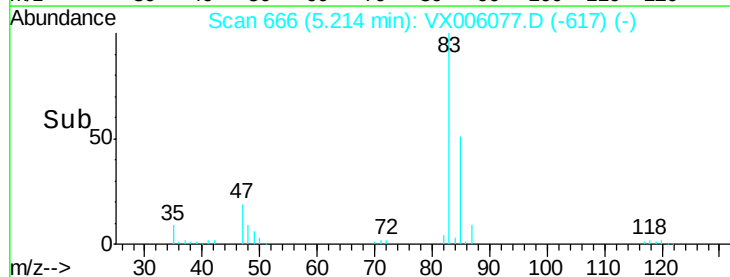
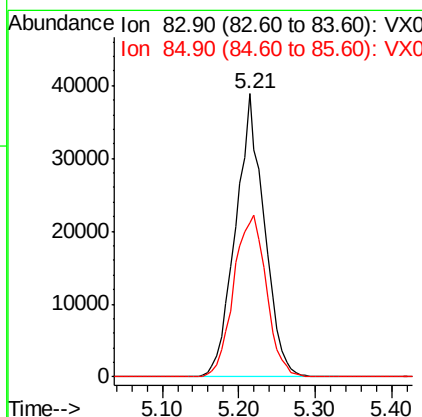
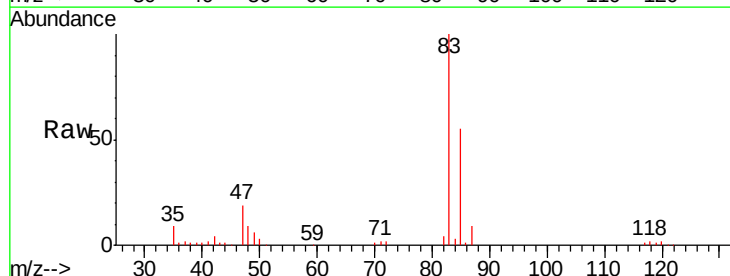
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APPROVED

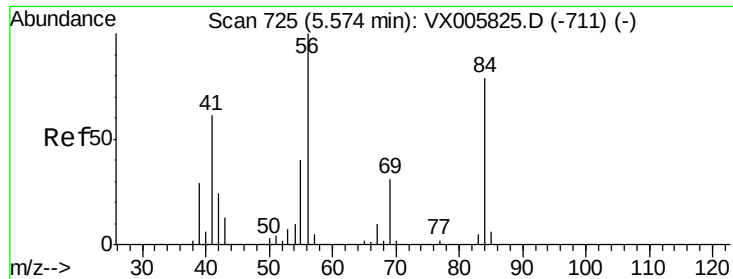
MMDadoda
11/19/2018 9:25:18 AM



#30
Chloroform
Concen: 47.07 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.6	50.6	76.0





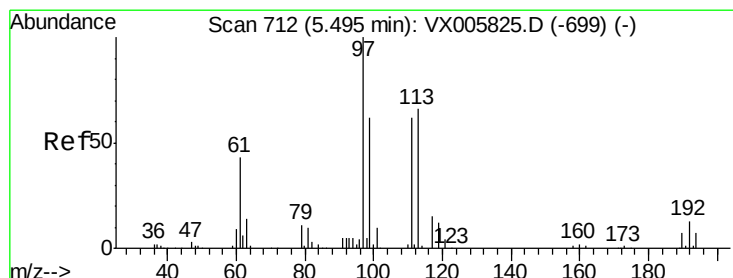
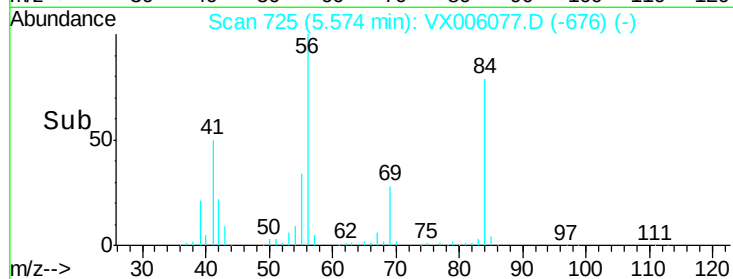
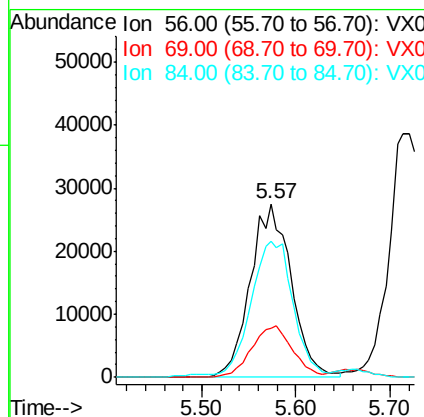
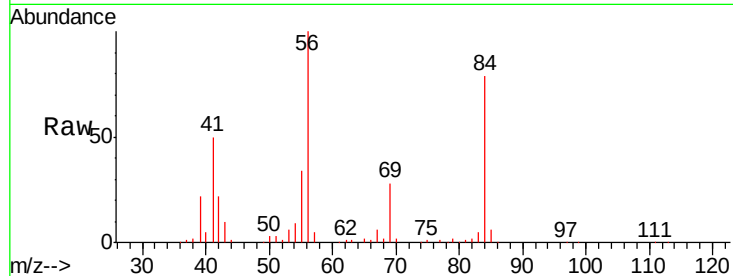
#31
Cyclohexane
Concen: 43.25 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.5	22.6	34.0
84	76.7	62.7	94.1

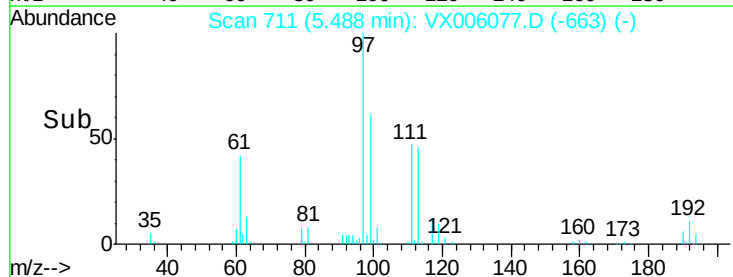
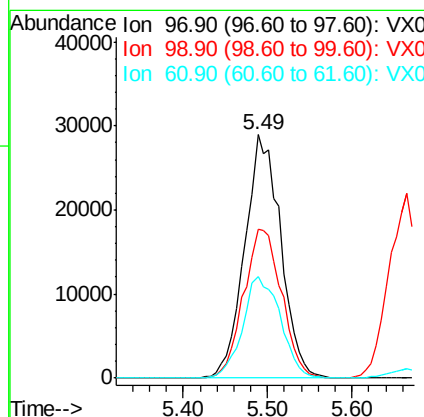
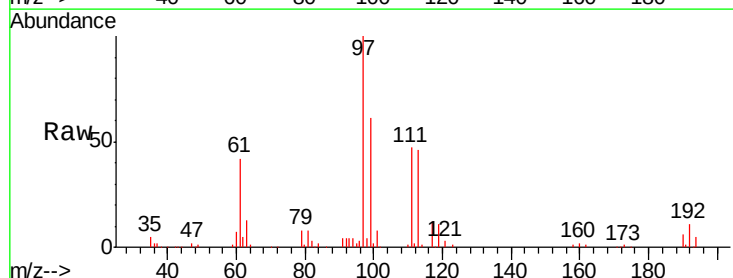
Manual Integrations
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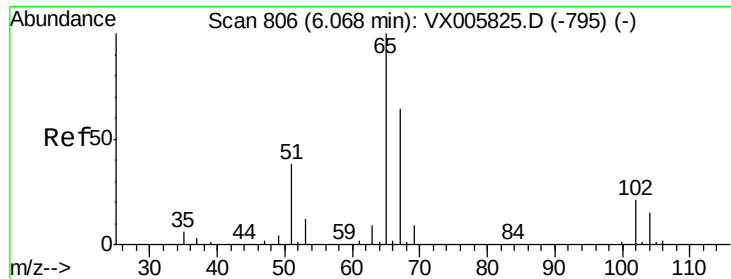
MMDadoda
11/19/2018 9:25:18 AM



#32
1,1,1-Trichloroethane
Concen: 46.82 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.3	78.5
61	43.8	35.2	52.8





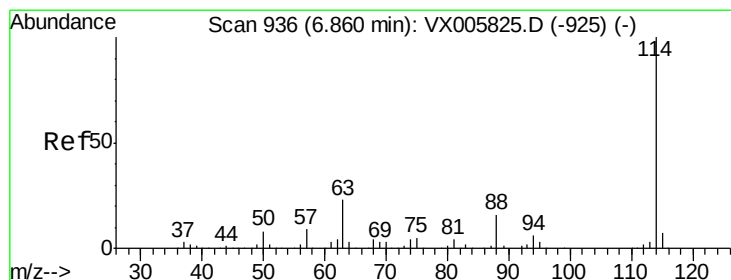
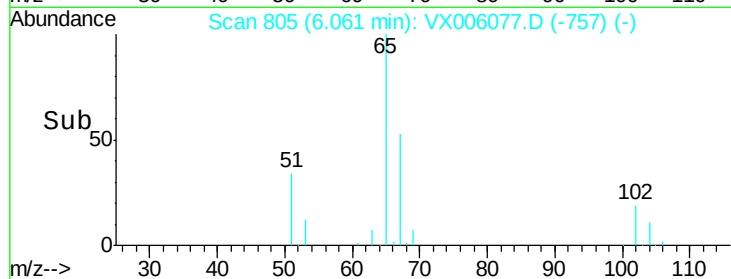
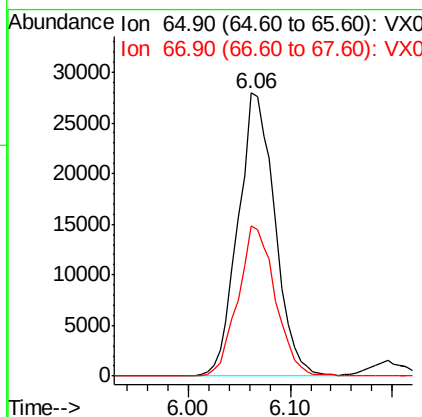
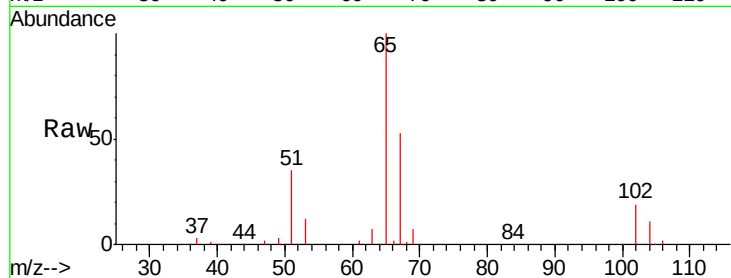
#33
 1,2-Dichloroethane-d4
 Concen: 50.66 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 70235
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.0

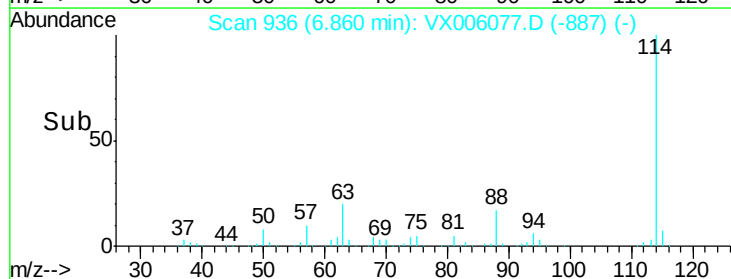
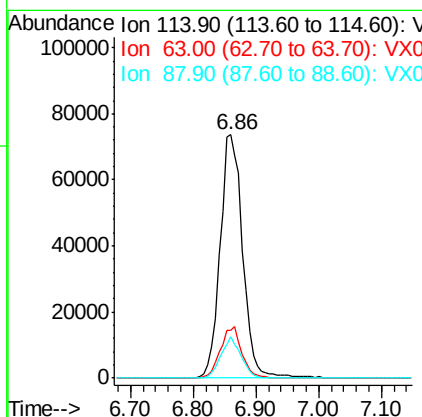
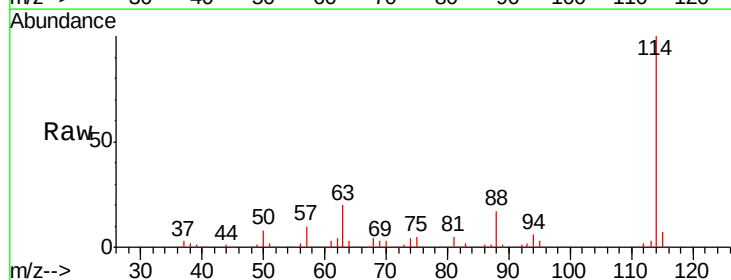
Manual Integrations
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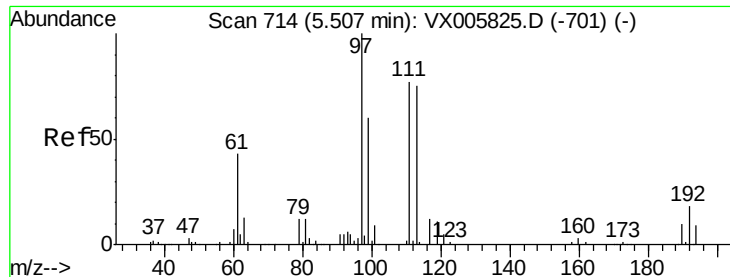
MMDadoda
 11/19/2018 9:25:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion: 114 Resp: 183018
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.8
 88 16.9 0.0 31.2





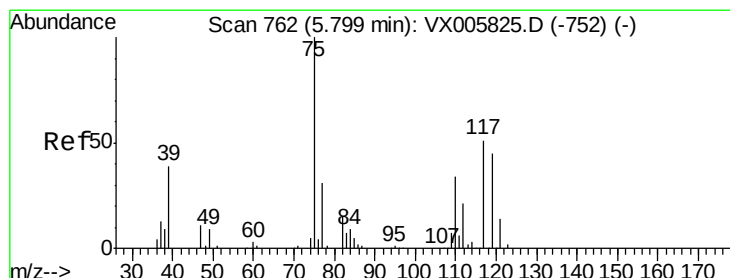
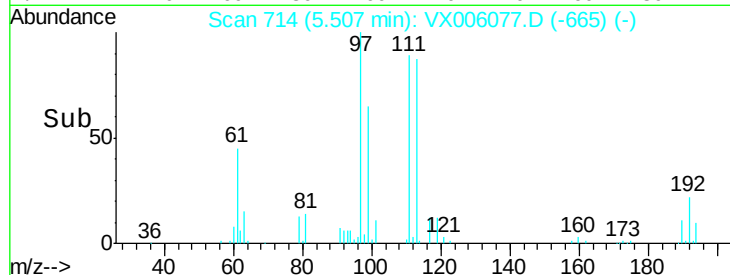
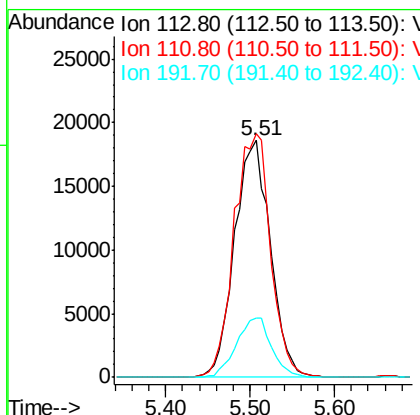
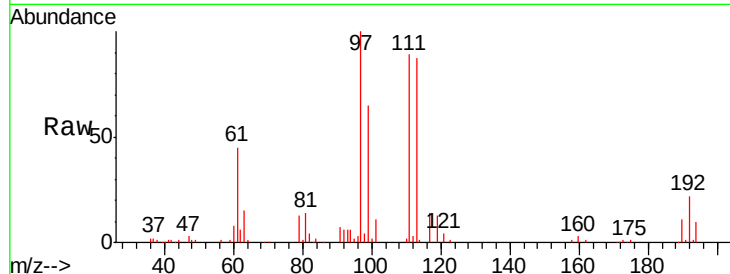
#35
Dibromofluoromethane
Concen: 42.88 ug/l
RT: 5.51 min Scan# 714
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	53382		
111	104.7	82.3	123.5	
192	24.4	17.9	26.9	

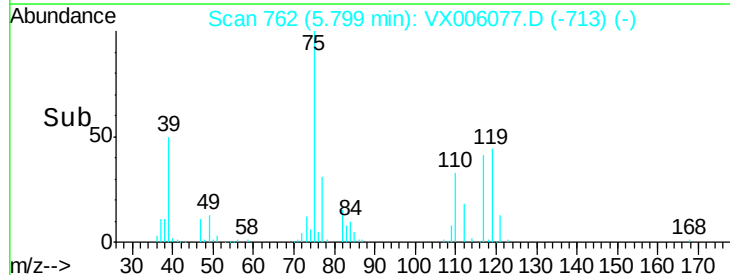
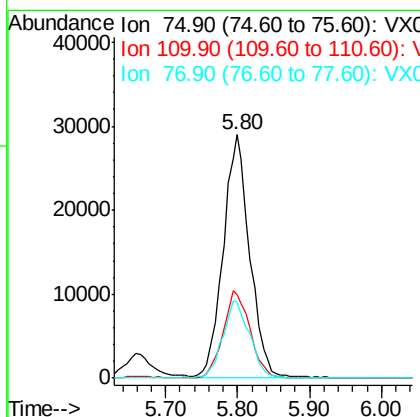
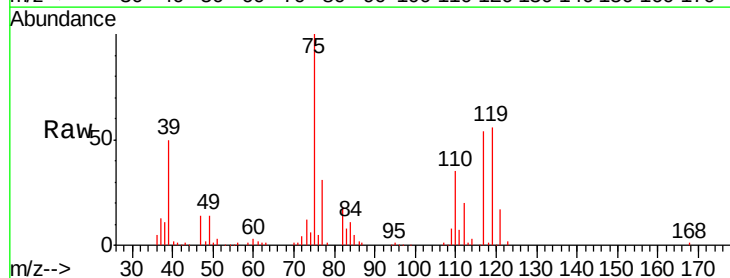
Manual Integrations
APPROVED

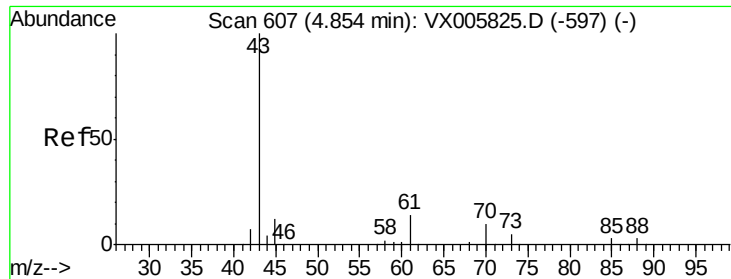
MMDadoda
11/19/2018 9:25:18 AM



#36
1,1-Dichloropropene
Concen: 41.86 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73862		
110	36.6	17.4	52.2	
77	31.9	25.8	38.6	





#37

Ethyl Acetate

Concen: 44.33 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

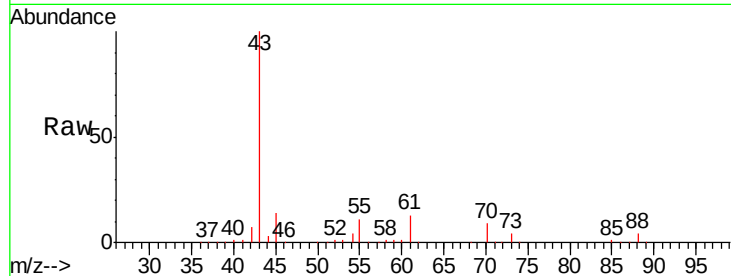
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	102862
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.8	16.2
70	10.1	7.8	11.8

Manual Integrations
APPROVED

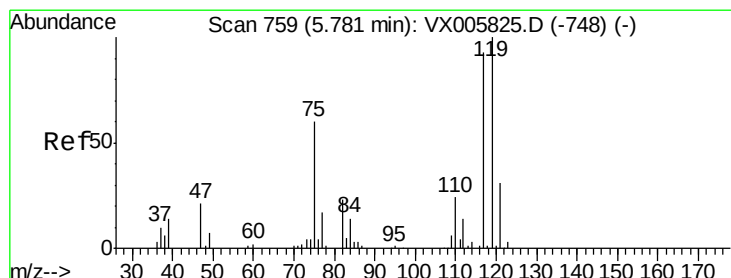
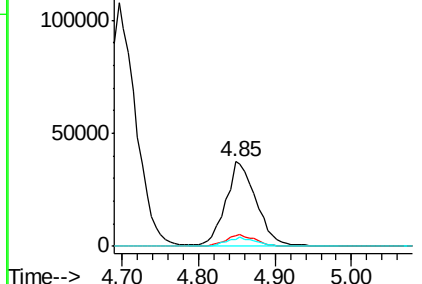
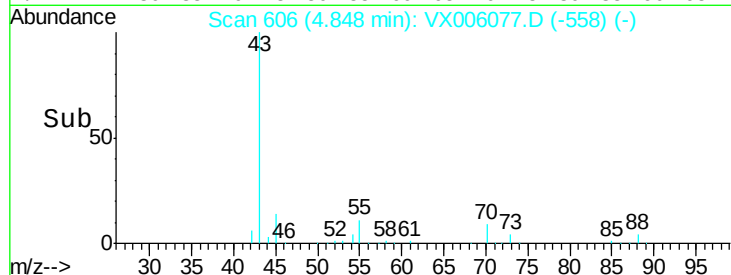
MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VX006077.D (-558) (-)

Ion 60.90 (60.60 to 61.60): VX006077.D (-558) (-)

Ion 70.00 (69.70 to 70.70): VX006077.D (-558) (-)



#38

Carbon Tetrachloride

Concen: 41.04 ug/l

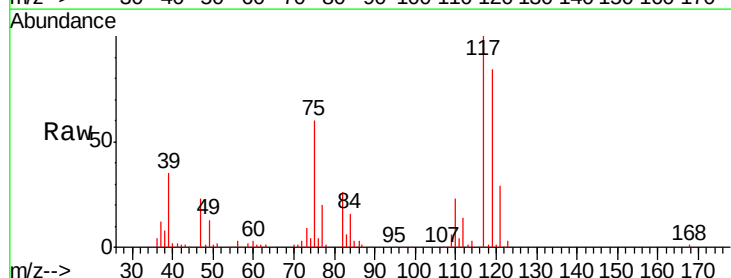
RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

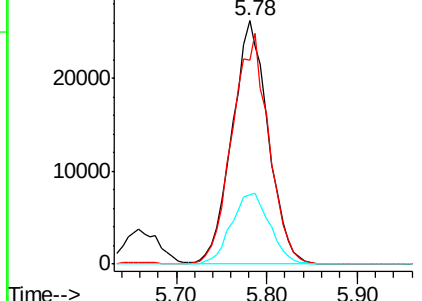
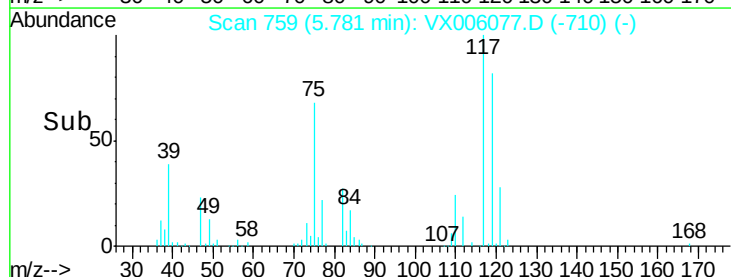
Tgt Ion:	117	Resp:	72486
Ion	Ratio	Lower	Upper
117	100		
119	83.8	78.1	117.1
121	28.6	24.6	36.8

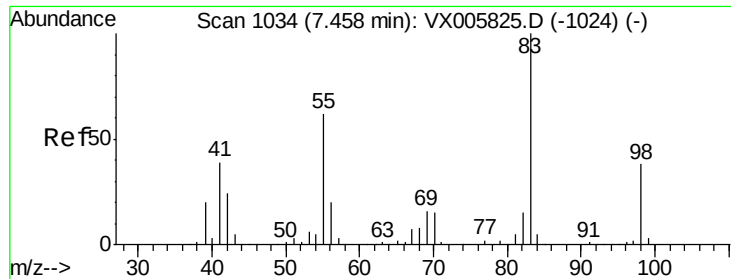


Abundance Ion 116.80 (116.50 to 117.50): VX006077.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX006077.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX006077.D (-710) (-)





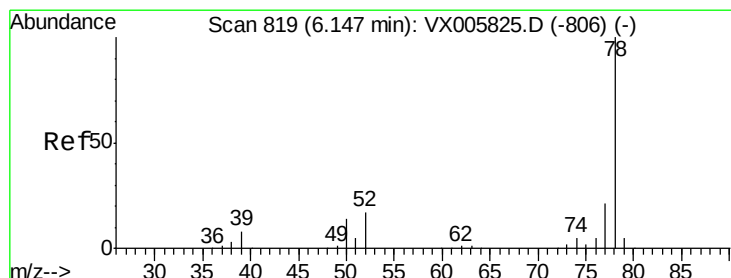
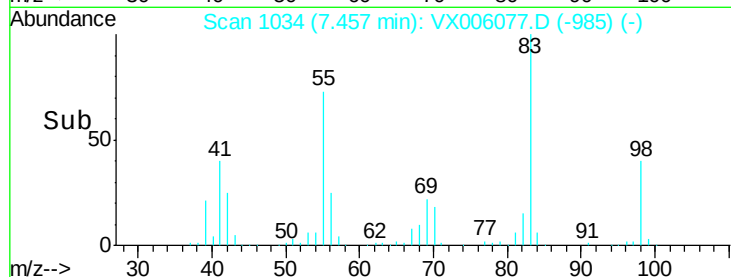
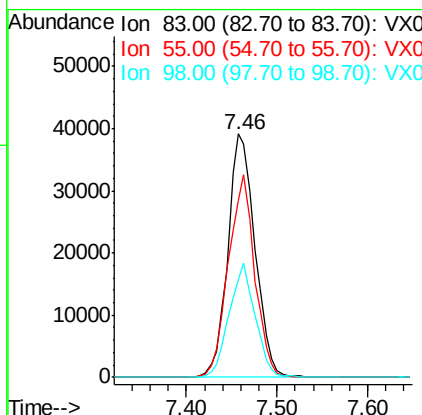
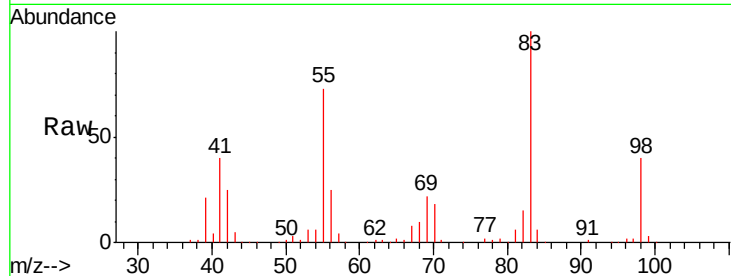
#39
Methylcyclohexane
Concen: 45.53 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.0	63.7	95.5
98	39.9	36.2	54.2

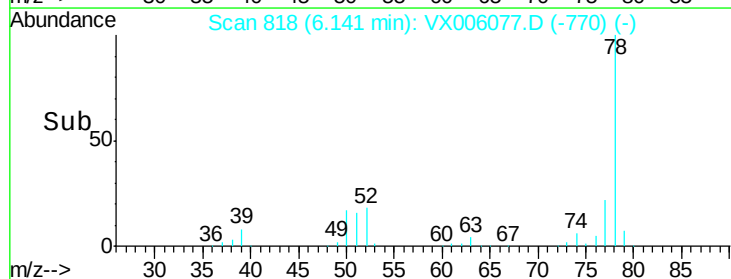
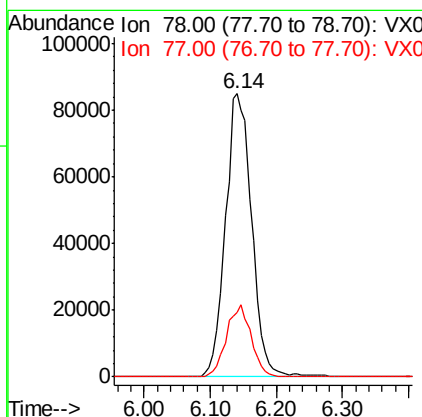
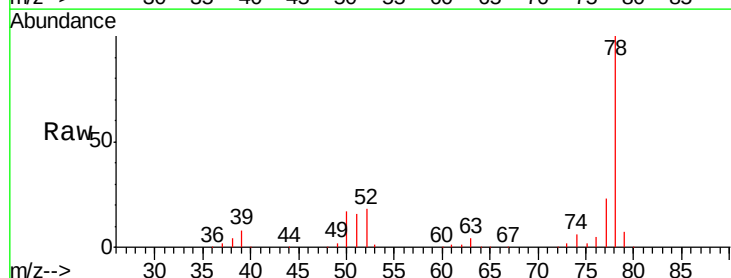
Manual Integrations
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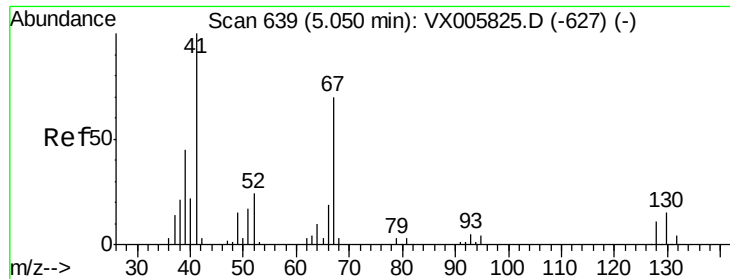
MMDadoda
11/19/2018 9:25:18 AM



#40
Benzene
Concen: 45.21 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.4	27.6





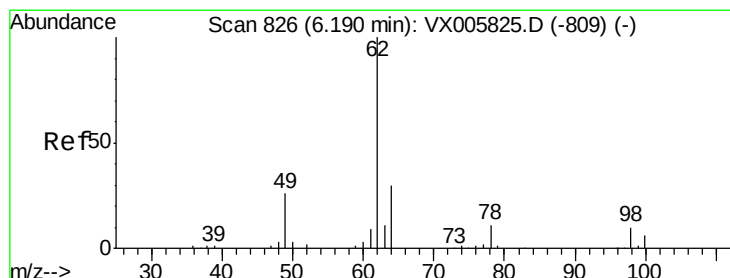
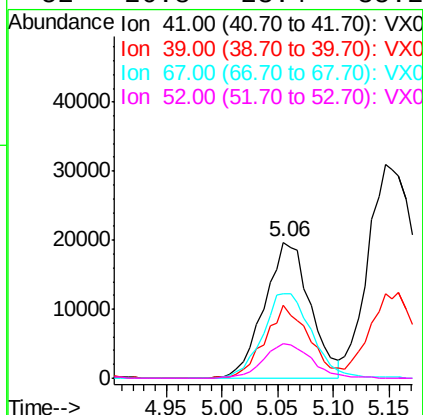
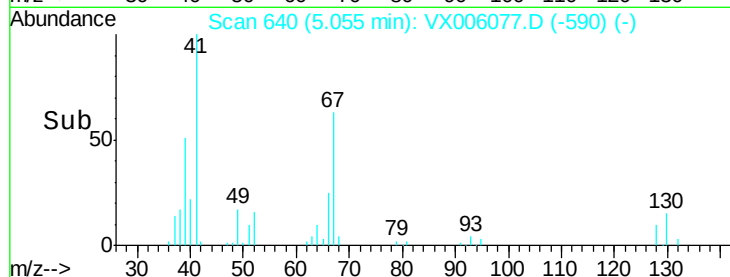
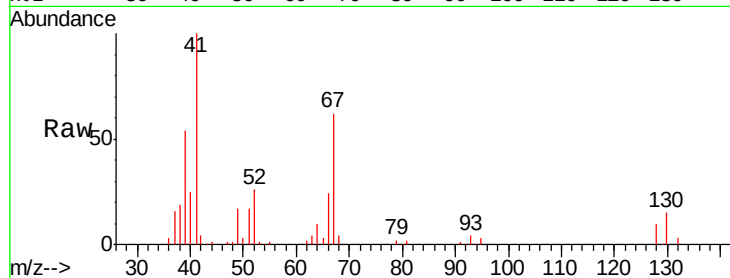
#41
Methacrylonitrile
Concen: 45.05 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	42.2	63.2	
67	66.5	53.4	80.0	
52	26.8	23.4	35.2	

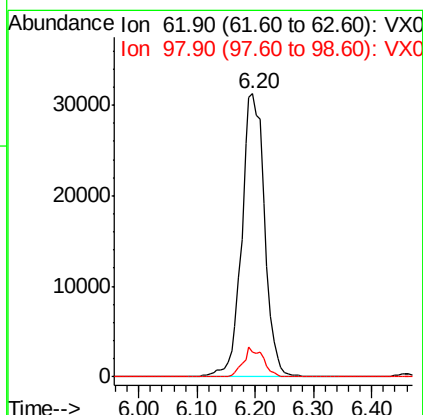
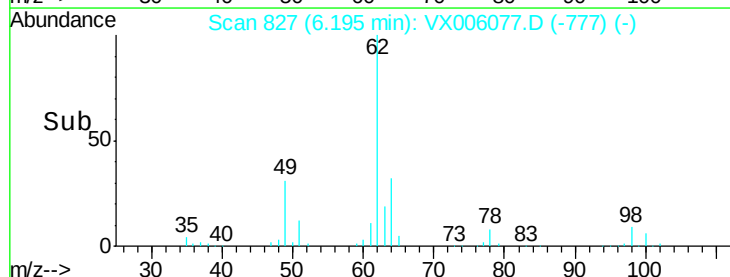
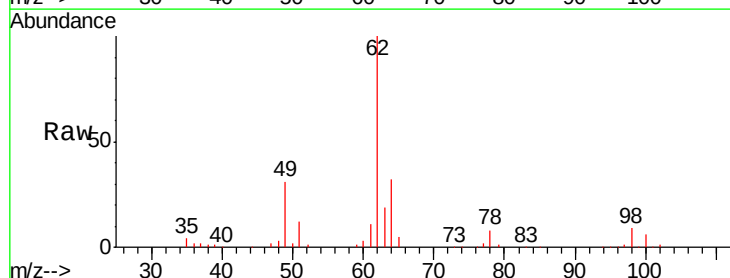
Manual Integrations
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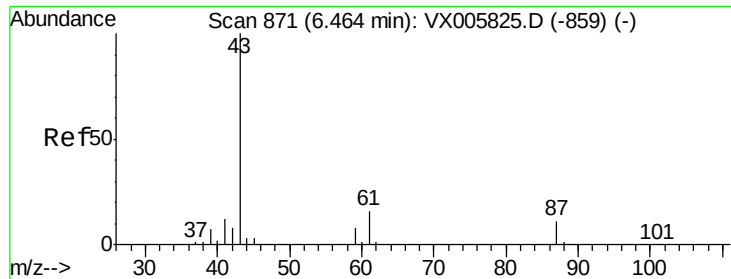
MMDadoda
11/19/2018 9:25:18 AM



#42
1,2-Dichloroethane
Concen: 46.13 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	17.8	





#43

Isopropyl Acetate

Concen: 49.08 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

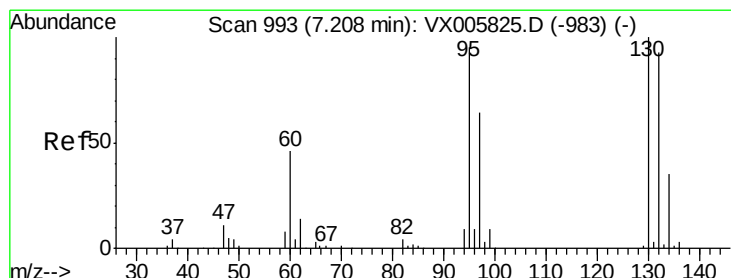
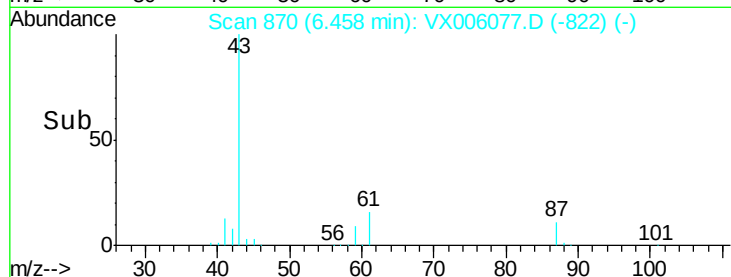
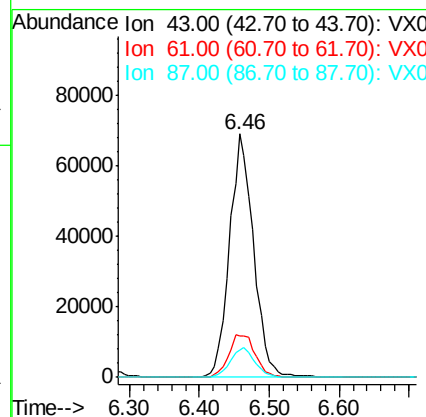
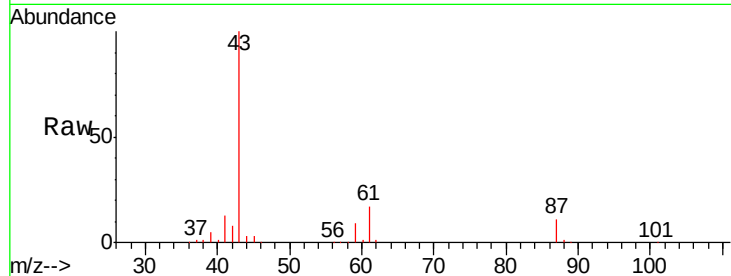
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	165015
Ion	Ratio	Lower	Upper
43	100		
61	19.5	14.6	22.0
87	12.4	9.6	14.4

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#44

Trichloroethene

Concen: 47.14 ug/l

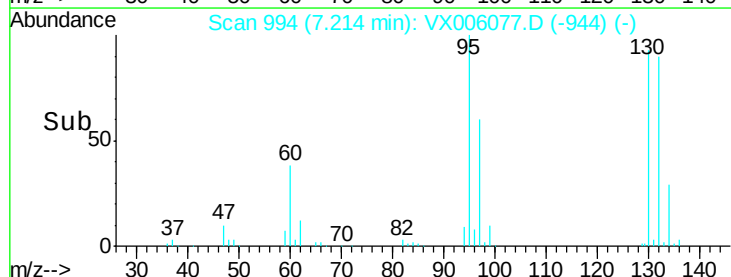
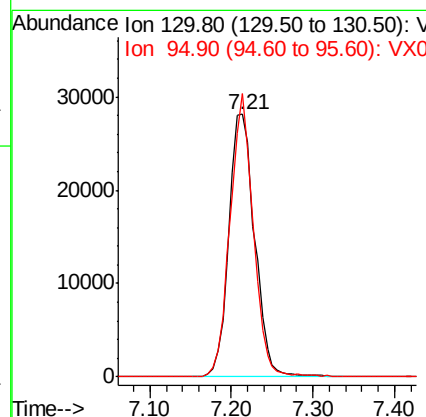
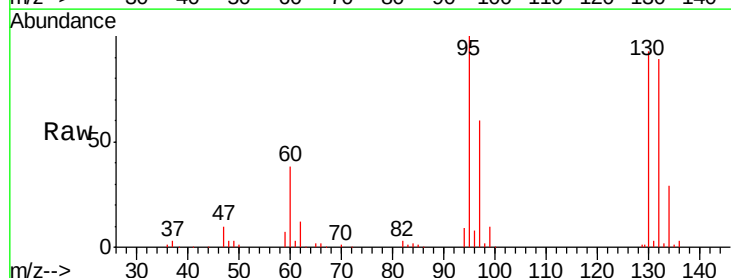
RT: 7.21 min Scan# 994

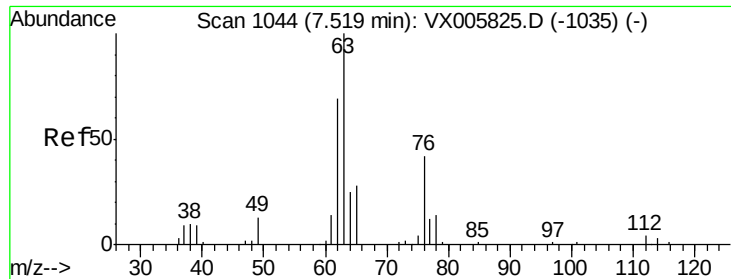
Delta R.T. 0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Tgt Ion:	130	Resp:	61568
Ion	Ratio	Lower	Upper
130	100		
95	107.9	0.0	194.2





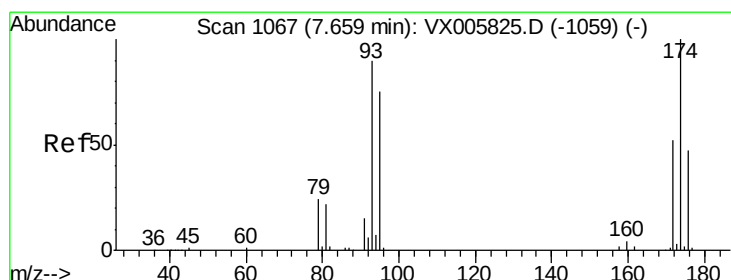
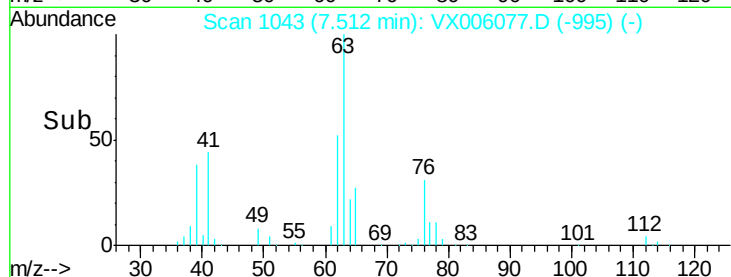
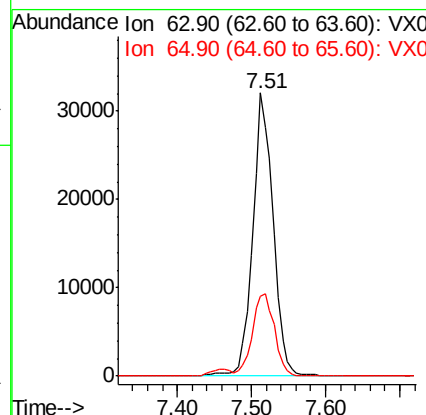
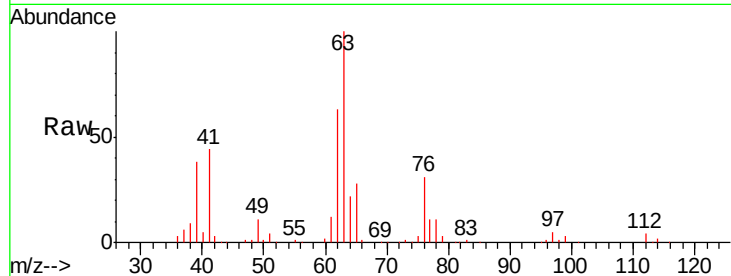
#45
 1,2-Dichloropropane
 Concen: 49.38 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 61652
 Ion Ratio Lower Upper
 63 100
 65 28.4 24.8 37.2

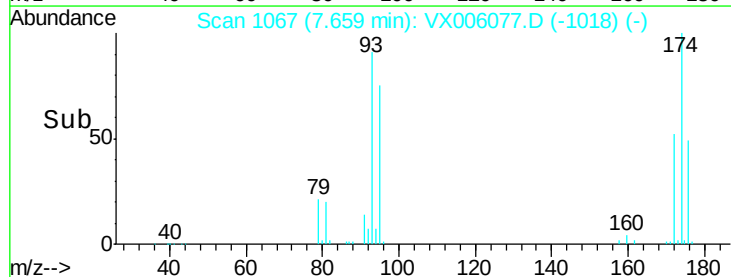
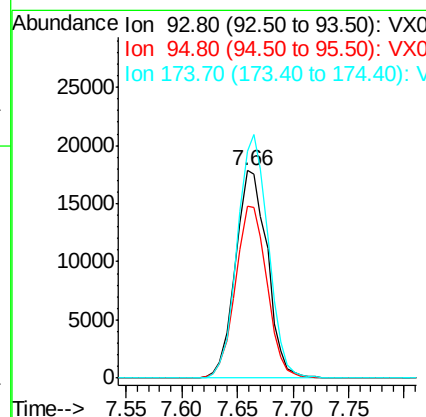
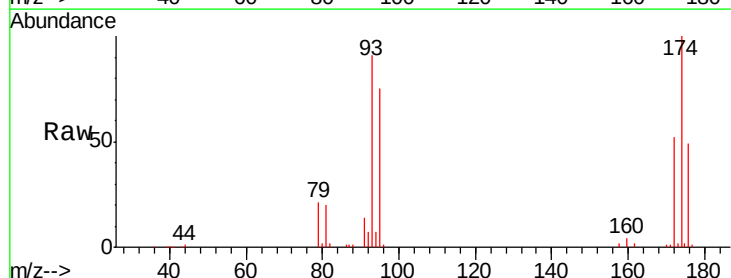
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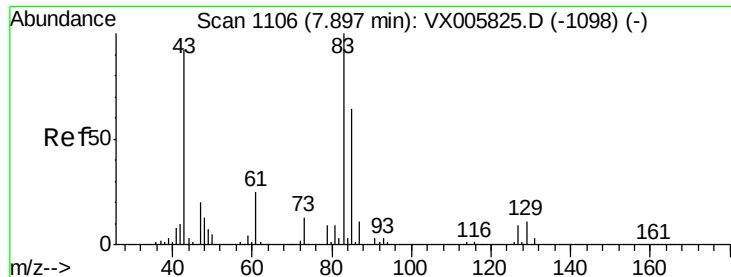
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#46
 Dibromomethane
 Concen: 45.25 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion: 93 Resp: 35446
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.4 101.0
 174 113.6 91.5 137.3





#47

Bromodichloromethane

Concen: 46.64 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

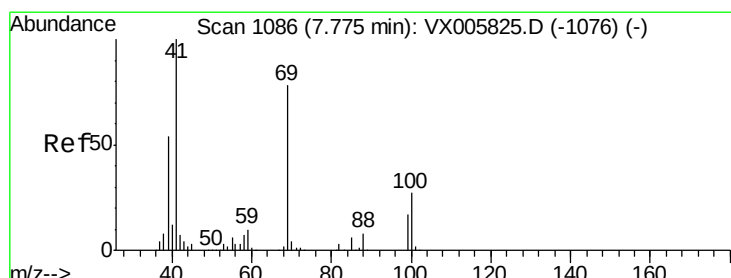
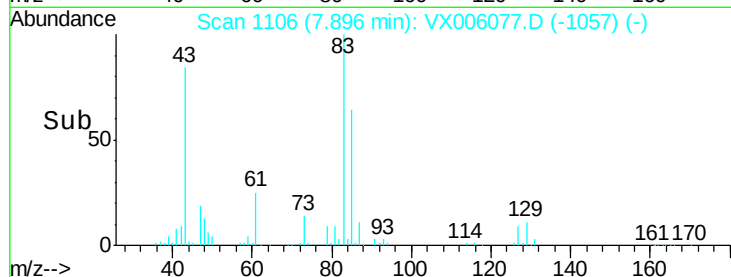
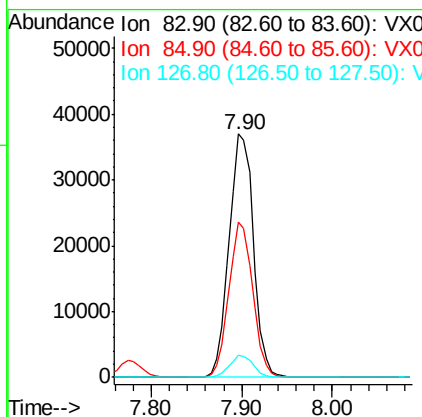
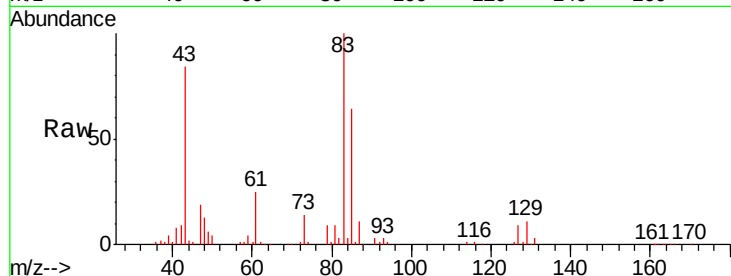
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	69044
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.2	75.4
127	8.9	6.9	10.3

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#48

Methyl methacrylate

Concen: 47.06 ug/l

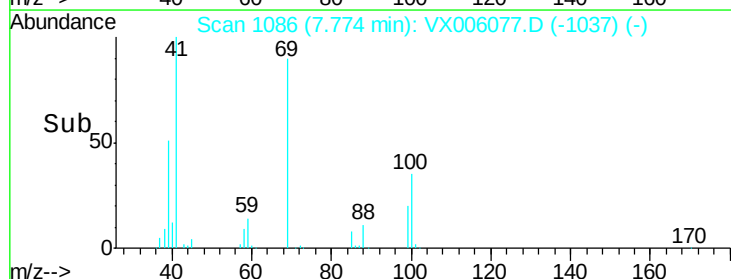
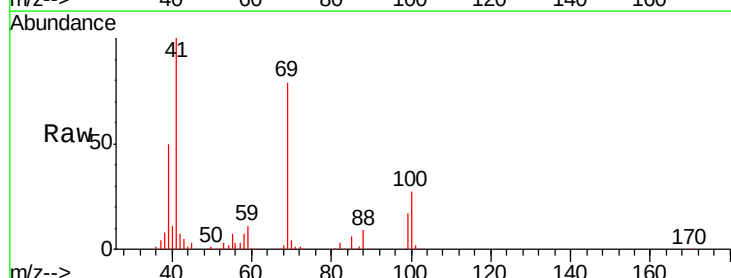
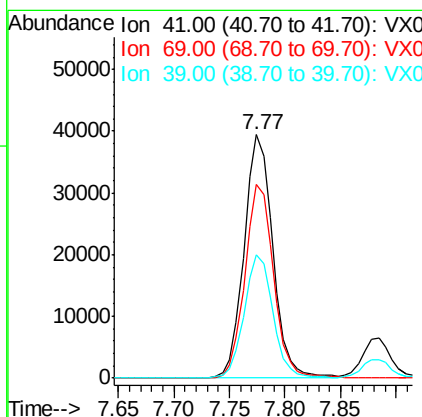
RT: 7.77 min Scan# 1086

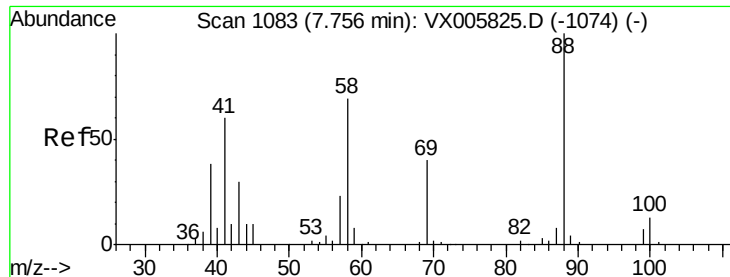
Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Tgt Ion:	41	Resp:	71035
Ion	Ratio	Lower	Upper
41	100		
69	79.9	63.2	94.8
39	50.6	42.2	63.2





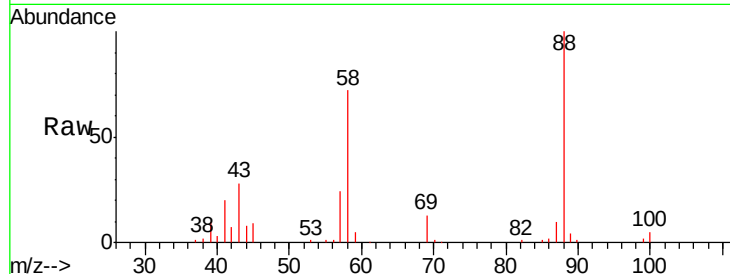
#49
1,4-Dioxane
Concen: 904.27 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

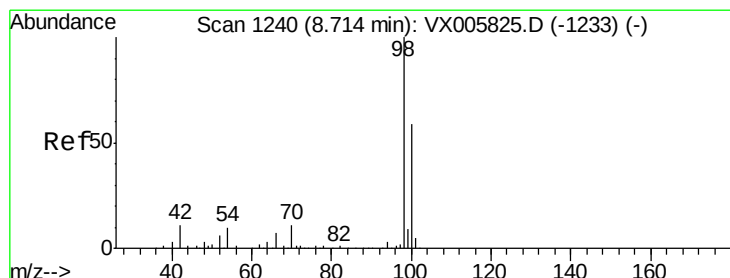
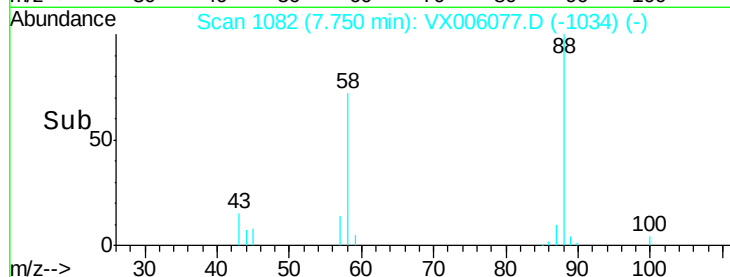
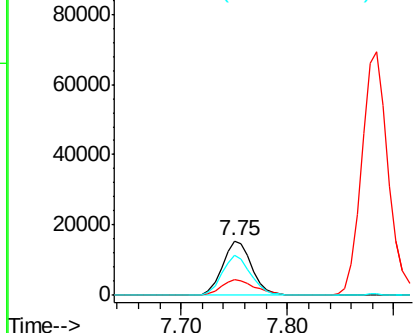
Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.4	41.0
58	73.7	59.4	89.2

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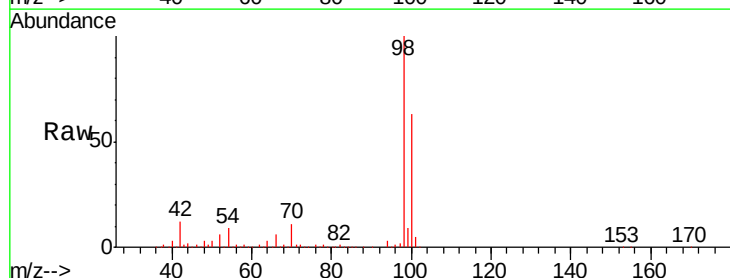


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

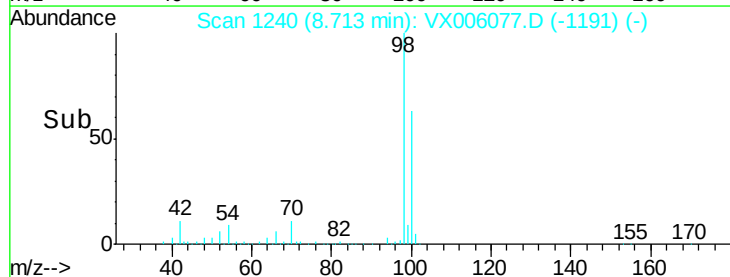
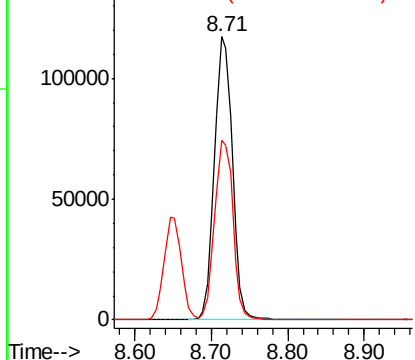


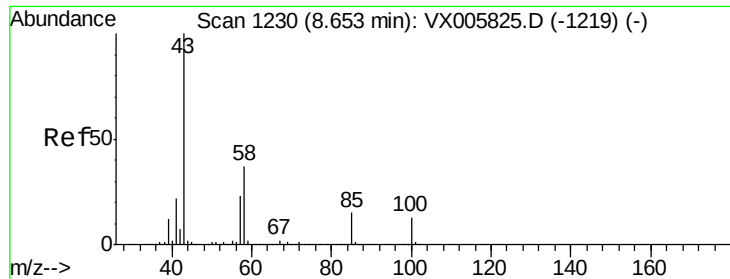
#50
Toluene-d8
Concen: 46.20 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.3	76.9



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: 228.50 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 484152

Ion Ratio Lower Upper

43 100

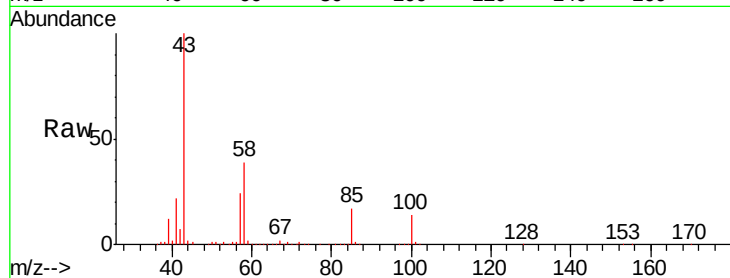
58 38.1 29.7 44.5

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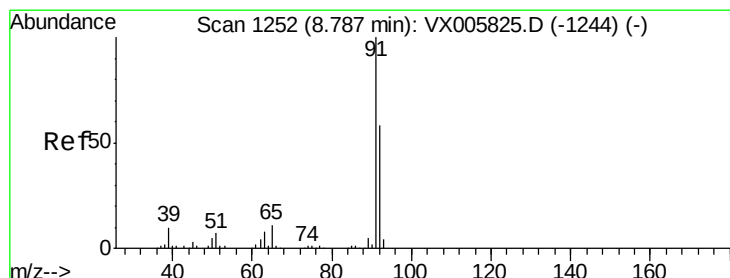
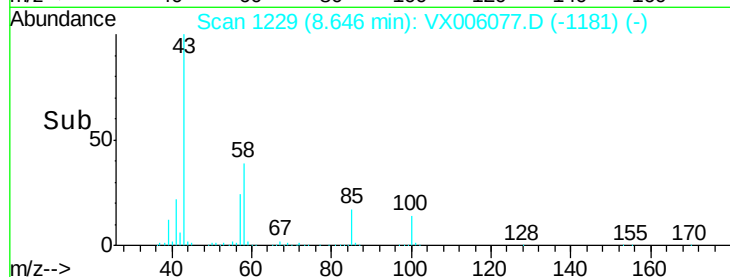
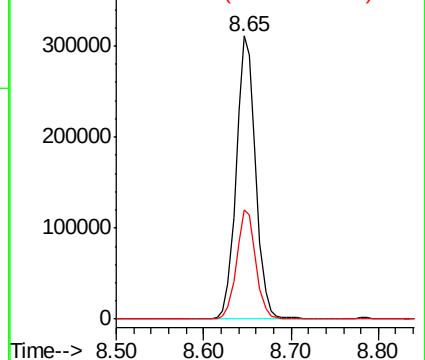
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 43.17 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006077.D

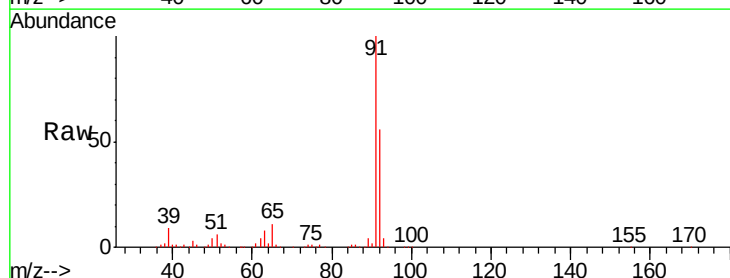
Acq: 17 Nov 2018 19:05

Tgt Ion: 92 Resp: 124109

Ion Ratio Lower Upper

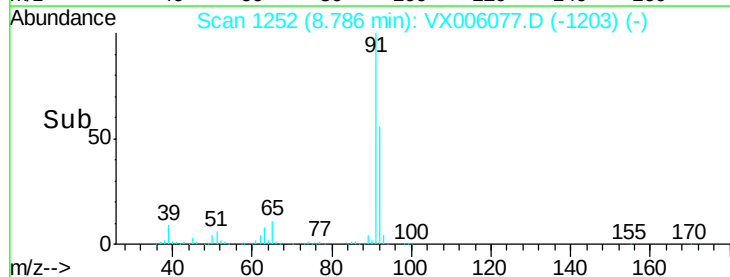
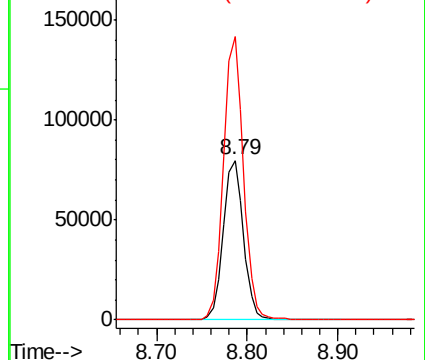
92 100

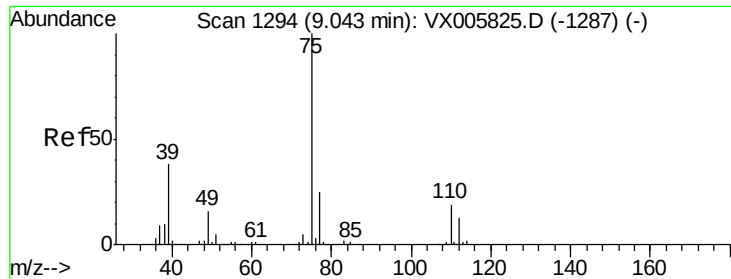
91 175.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





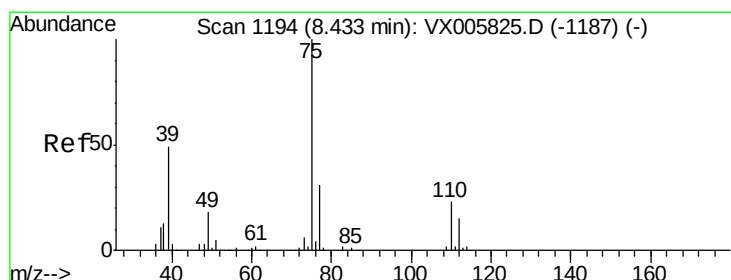
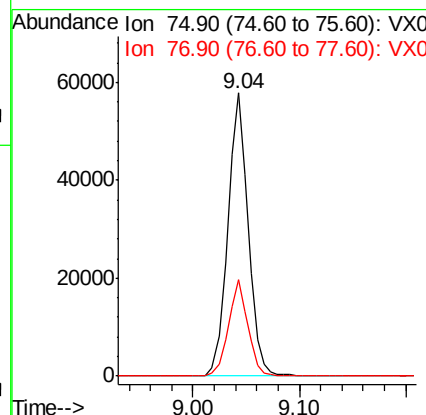
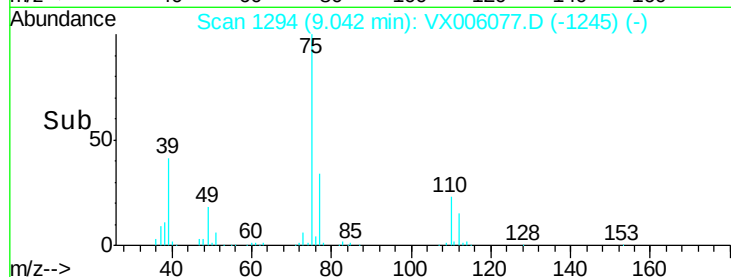
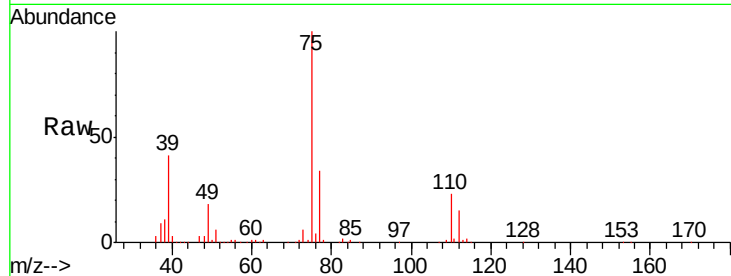
#53
 t-1,3-Dichloropropene
 Concen: 44.21 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 77240
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.4 38.2

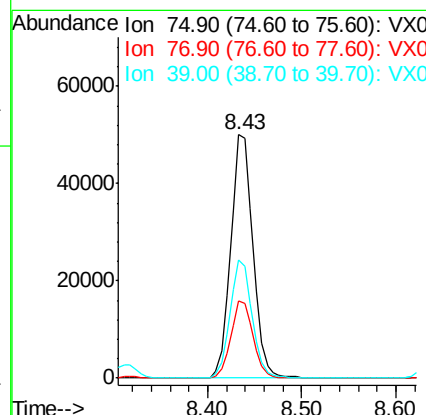
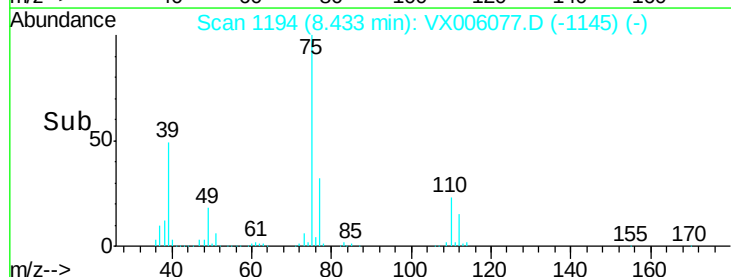
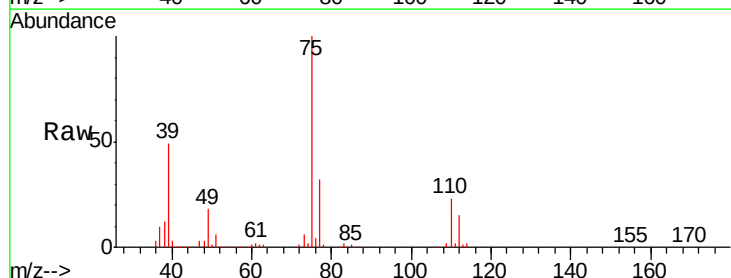
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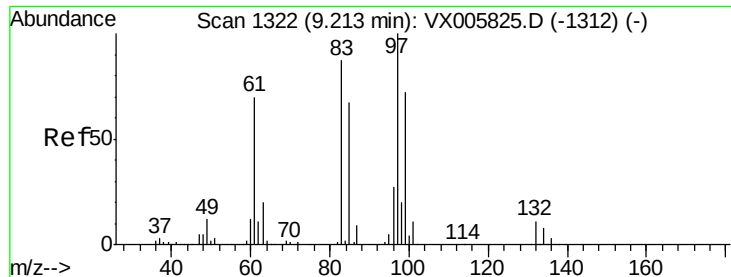
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#54
 cis-1,3-Dichloropropene
 Concen: 46.02 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion: 75 Resp: 81946
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8
 39 48.6 38.2 57.2





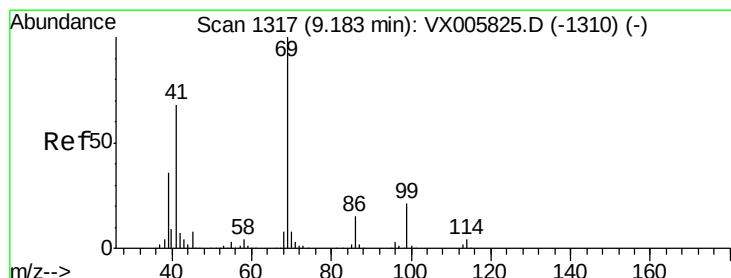
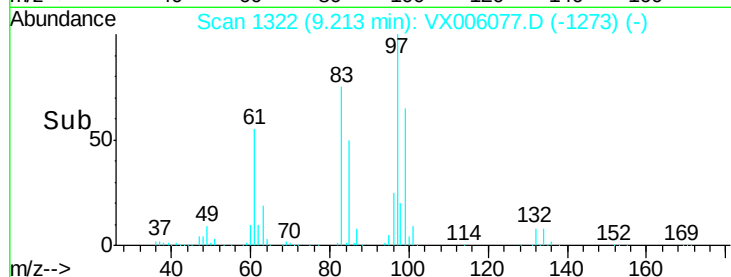
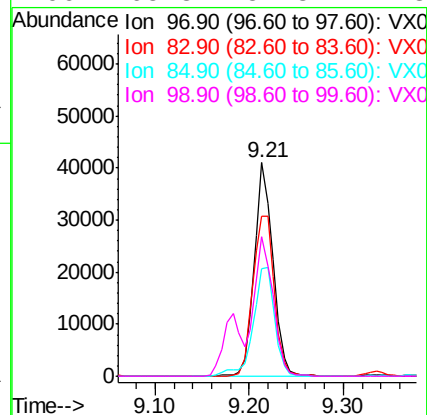
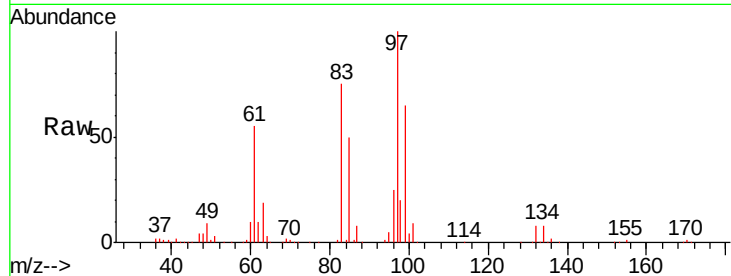
#55
 1,1,2-Trichloroethane
 Concen: 44.86 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	74.8	70.7	106.1
85	50.3	45.8	68.6
99	65.3	51.8	77.8

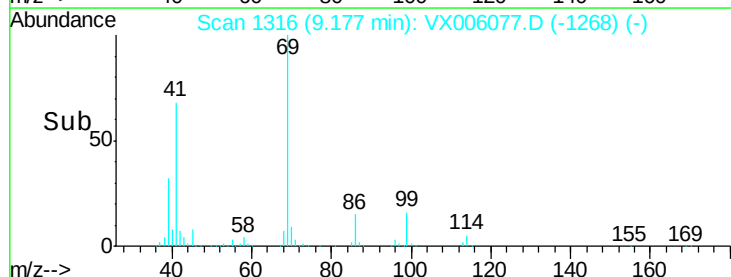
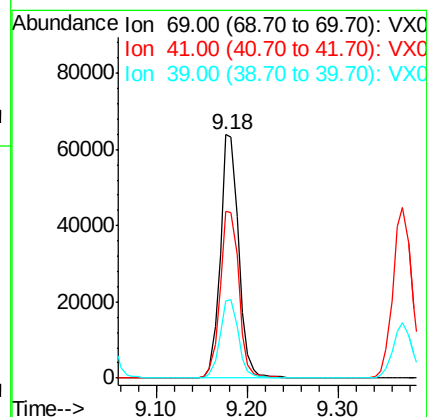
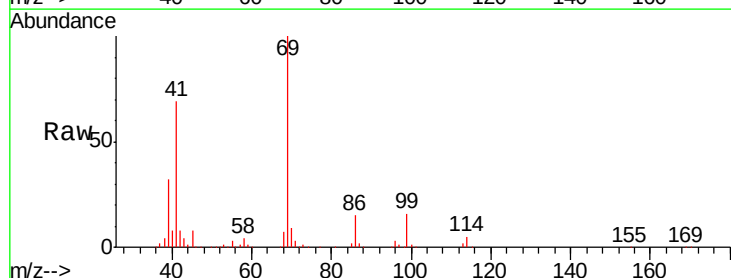
Manual Integrations
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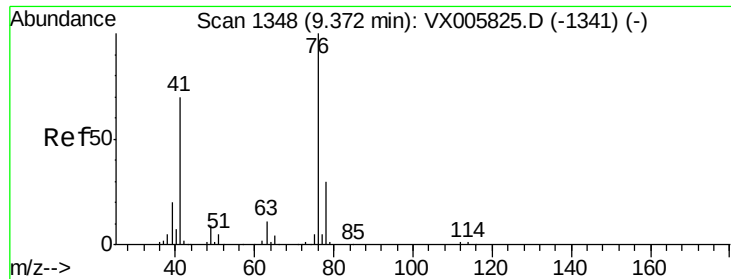
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#56
 Ethyl methacrylate
 Concen: 47.31 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.1	57.0	85.6
39	32.9	28.3	42.5





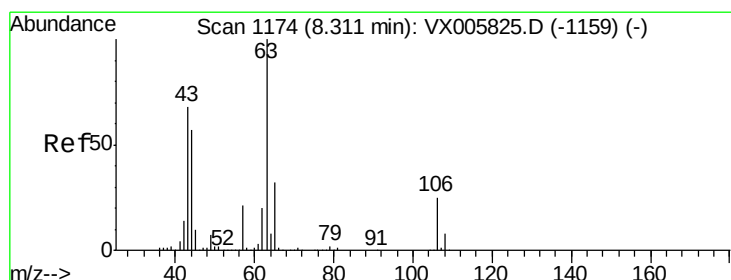
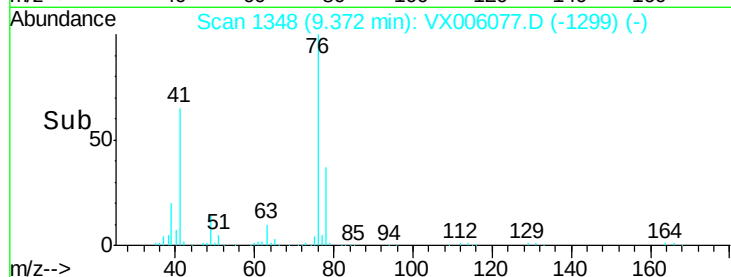
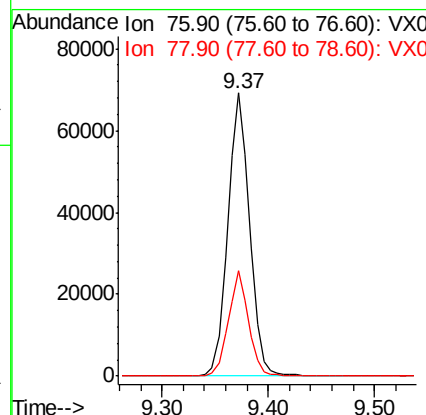
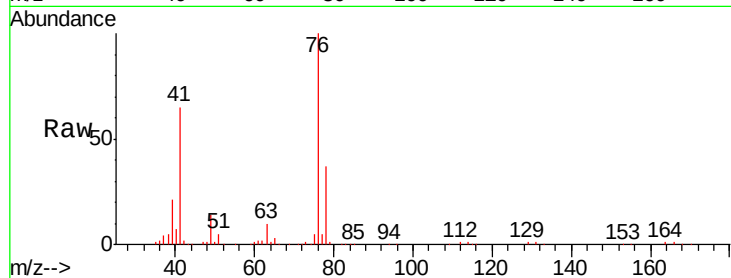
#57
 1,3-Dichloropropane
 Concen: 45.90 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 98819
 Ion Ratio Lower Upper
 76 100
 78 34.6 25.3 37.9

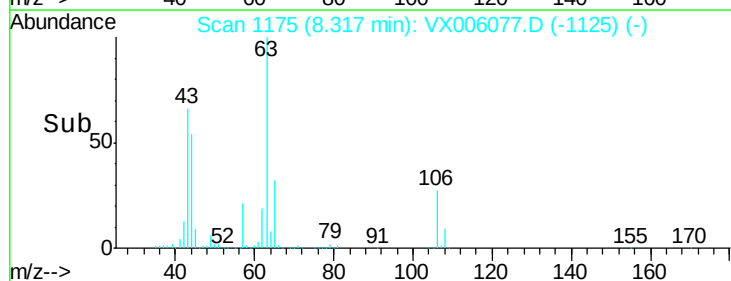
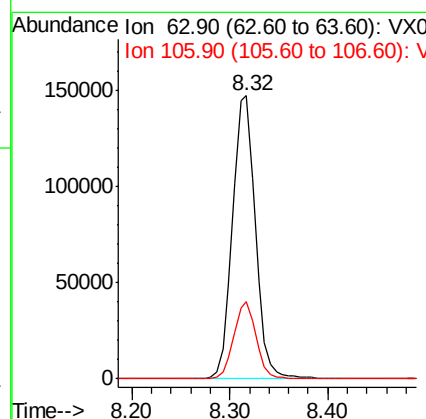
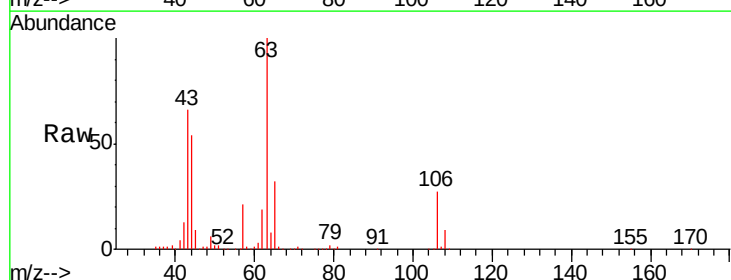
Manual Integrations
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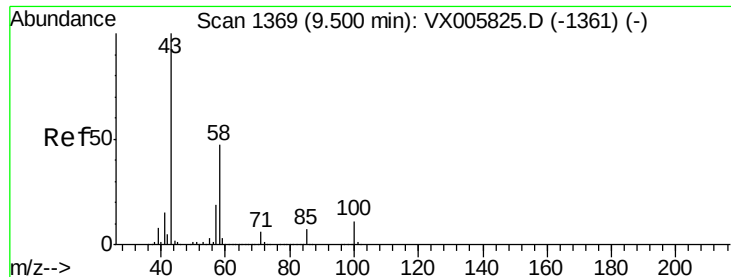
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#58
 2-Chloroethyl Vinyl ether
 Concen: 230.73 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion: 63 Resp: 240313
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.3 31.9





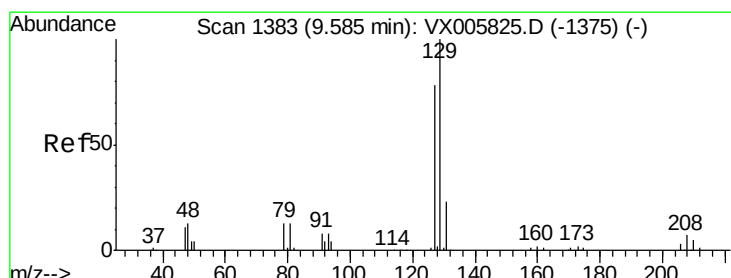
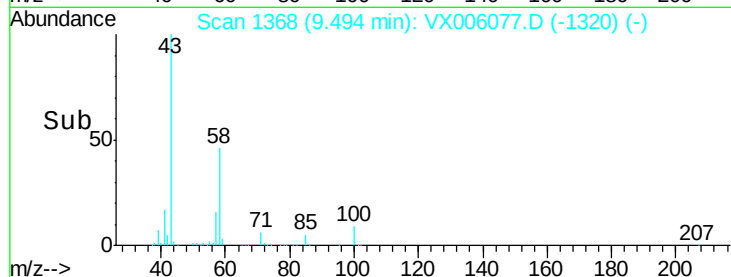
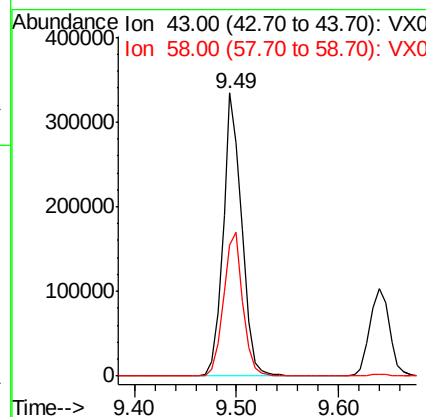
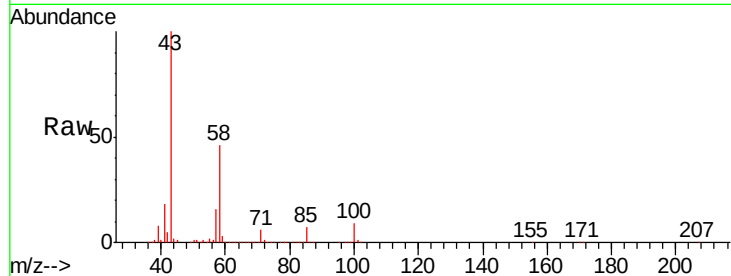
#59
2-Hexanone
Concen: 228.12 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 426052
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.8

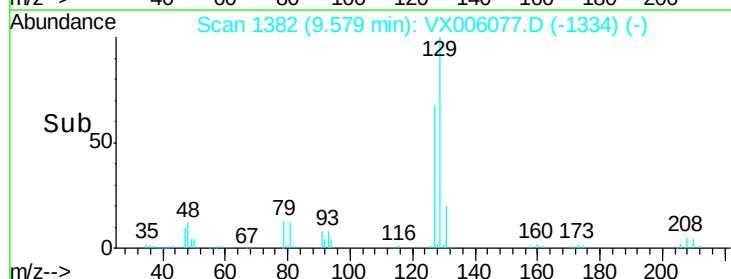
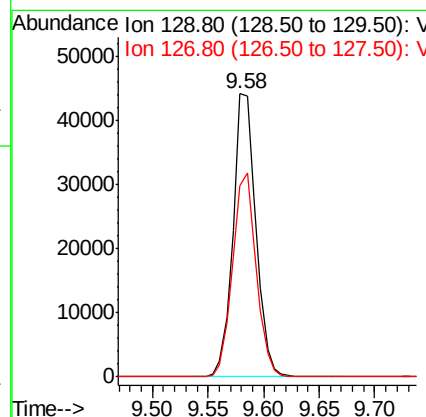
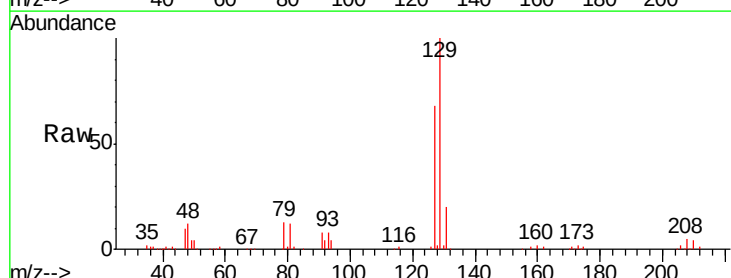
Manual Integrations
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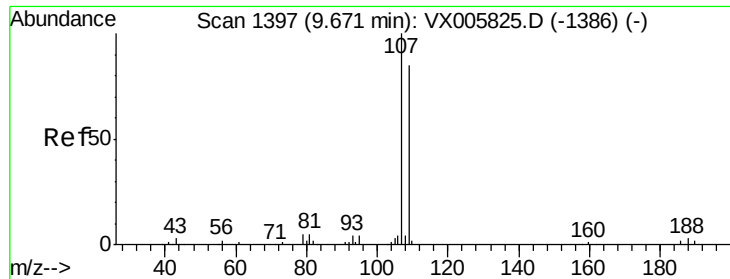
MMDadoda
11/19/2018 9:25:18 AM



#60
Dibromochloromethane
Concen: 45.37 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion: 129 Resp: 62815
Ion Ratio Lower Upper
129 100
127 74.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 43.22 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 61225

Ion Ratio Lower Upper

107 100

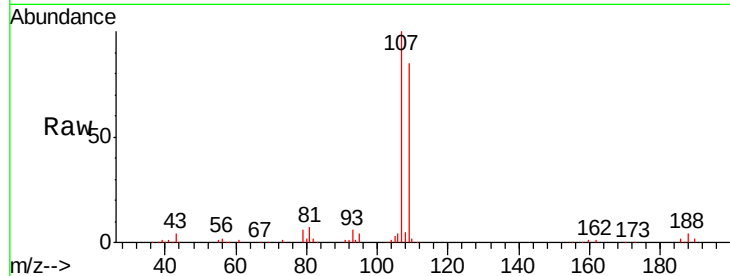
109 93.0 75.7 113.5

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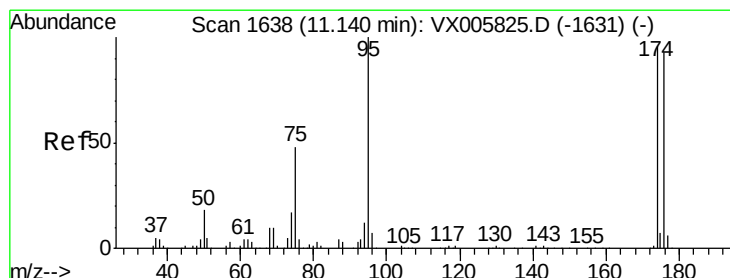
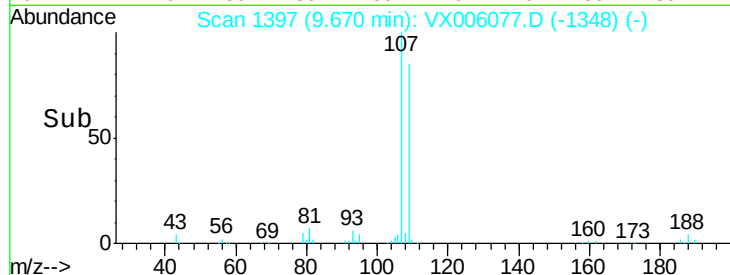
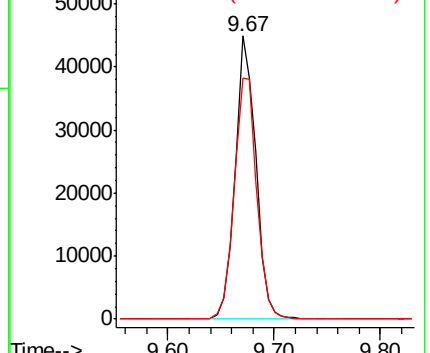
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.92 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

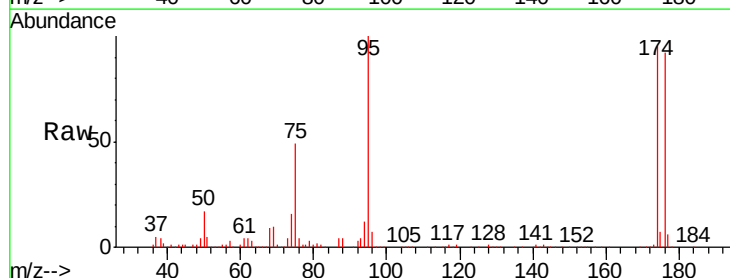
Tgt Ion: 95 Resp: 72790

Ion Ratio Lower Upper

95 100

174 90.3 0.0 184.4

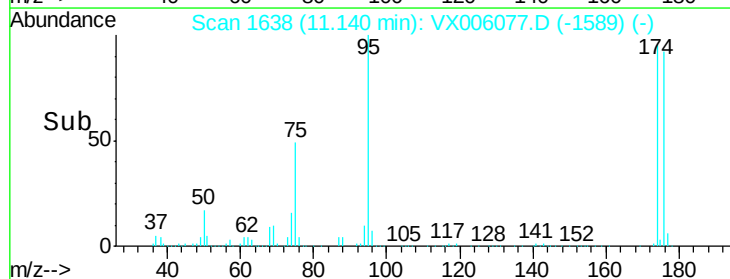
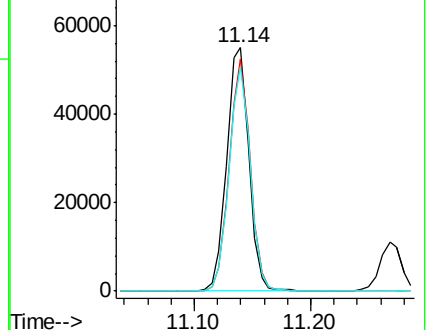
176 88.2 0.0 177.4

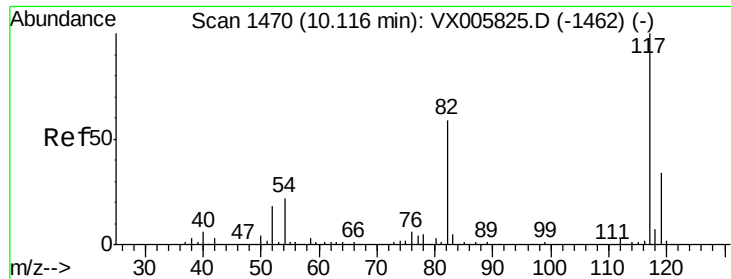


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

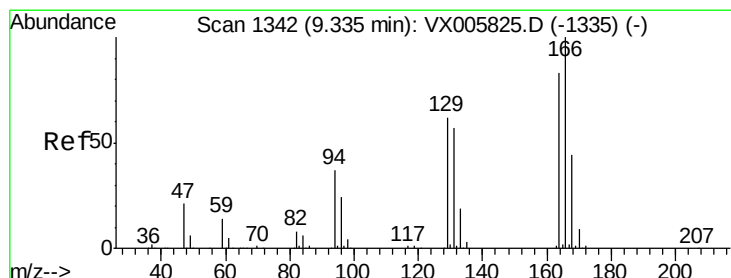
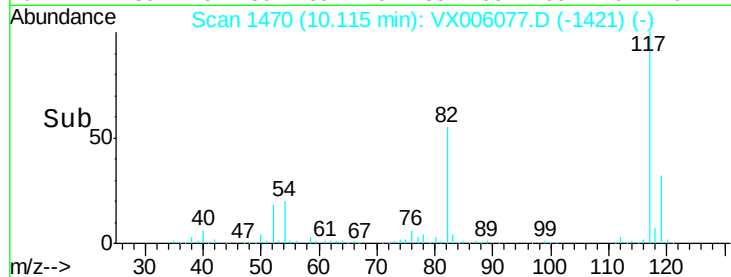
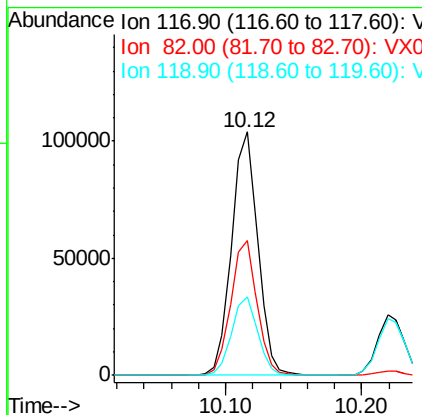
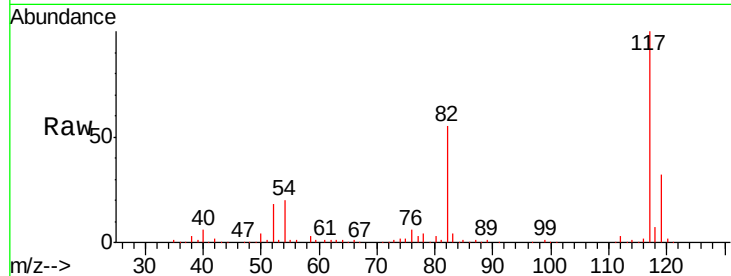
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	117	Resp:	139890
Ion Ratio	Lower	Upper	
117	100		
82	55.2	44.1	66.1
119	32.2	26.2	39.2

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#64

Tetrachloroethene

Concen: 54.60 ug/l

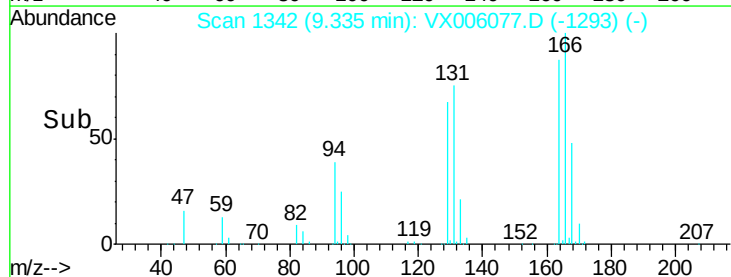
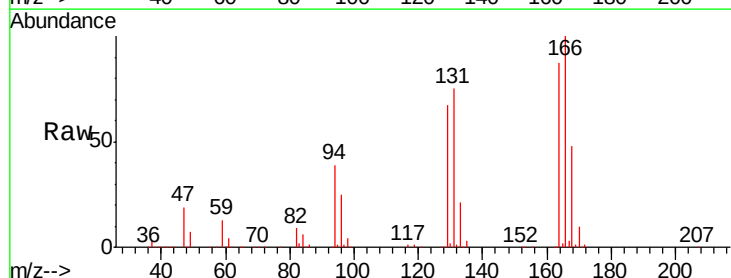
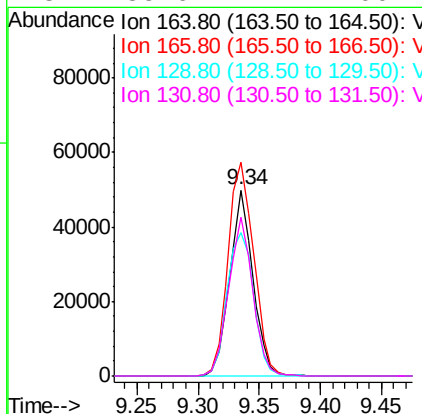
RT: 9.34 min Scan# 1342

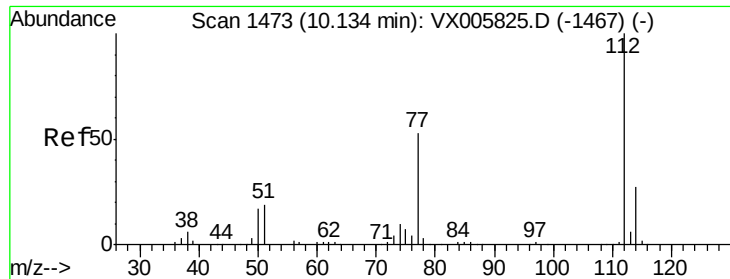
Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Tgt Ion:	164	Resp:	65034
Ion Ratio	Lower	Upper	
164	100		
166	114.7	101.9	152.9
129	76.7	72.6	109.0
131	85.6	71.1	106.7





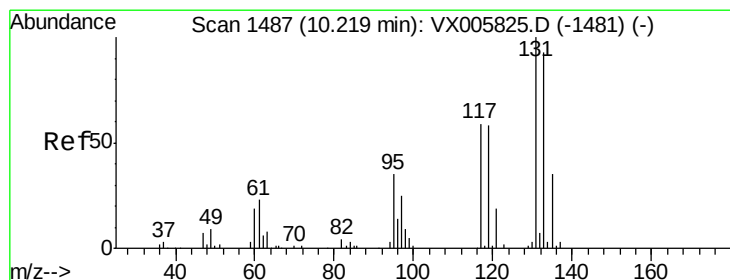
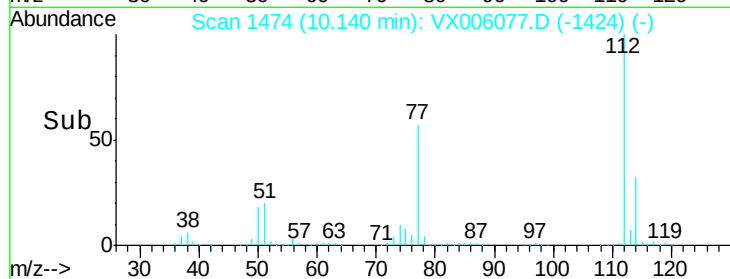
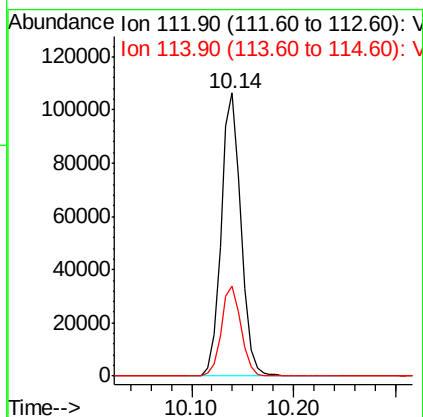
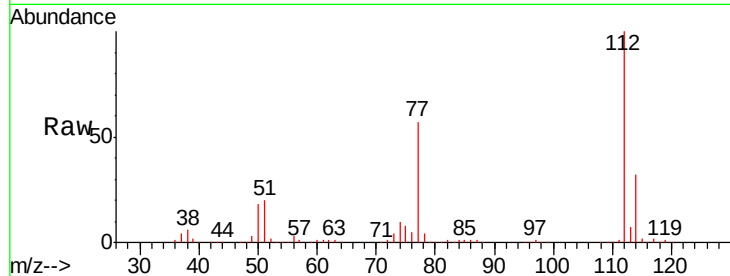
#65
Chlorobenzene
Concen: 51.30 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 143776
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

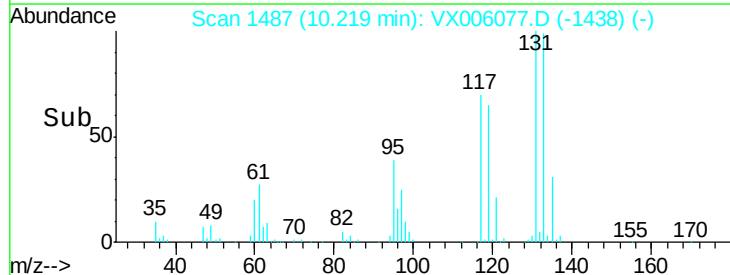
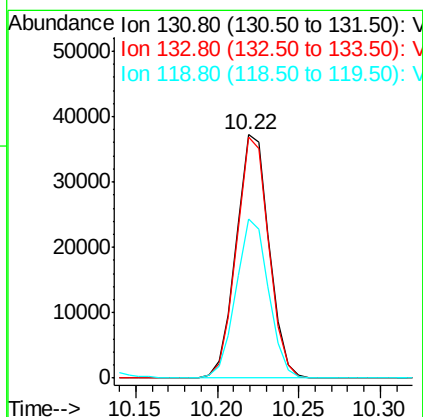
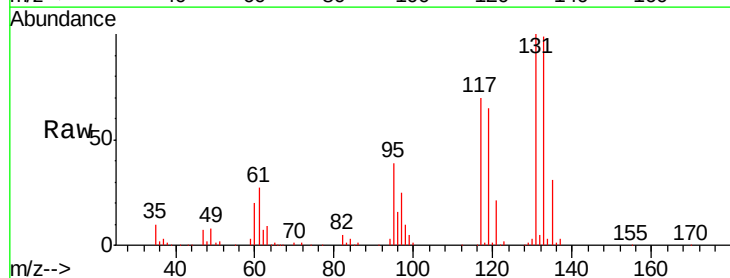
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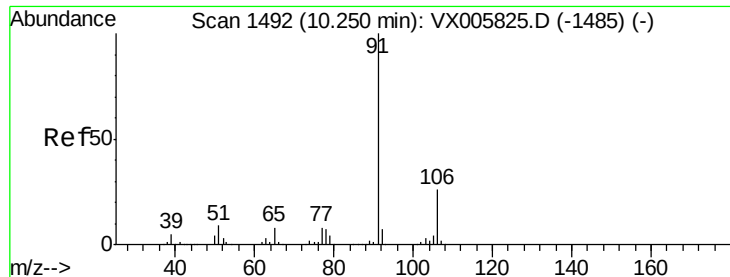
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.76 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion:131 Resp: 52378
Ion Ratio Lower Upper
131 100
133 97.0 47.5 142.5
119 64.6 31.8 95.3





#67

Ethyl Benzene

Concen: 54.37 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 244315

Ion Ratio Lower Upper

91 100

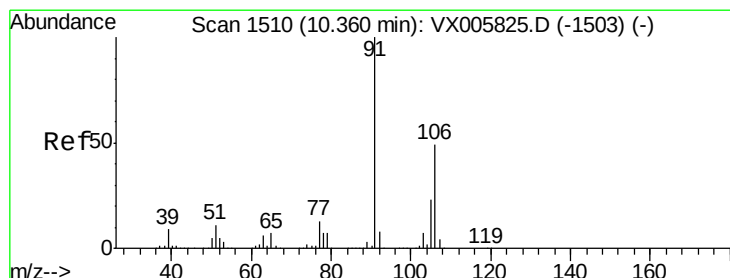
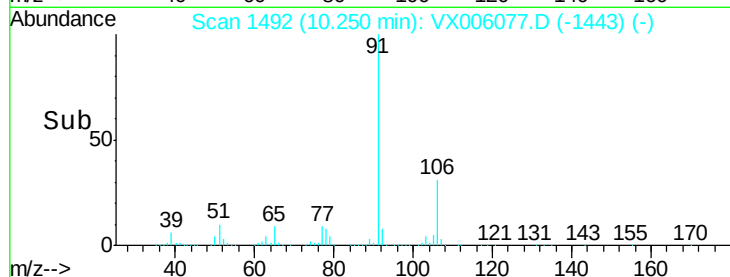
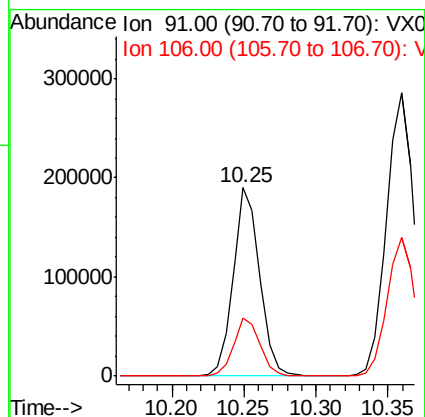
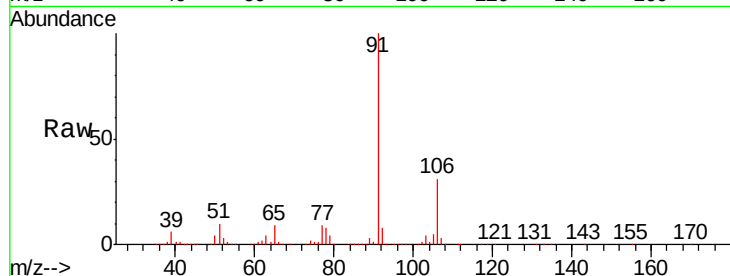
106 30.7 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 109.39 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006077.D

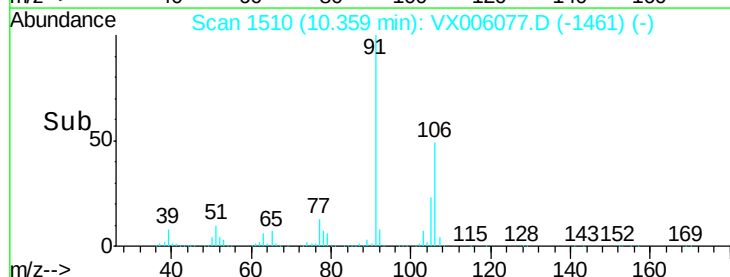
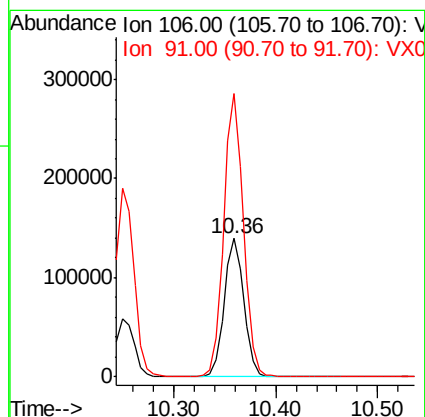
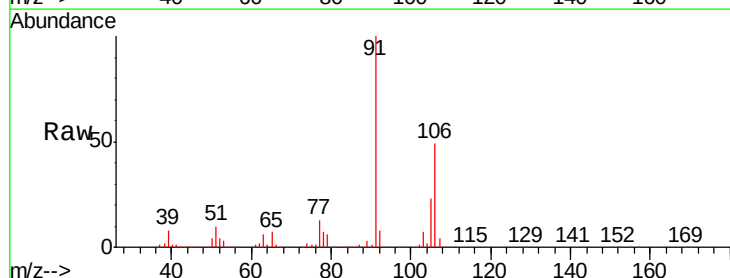
Acq: 17 Nov 2018 19:05

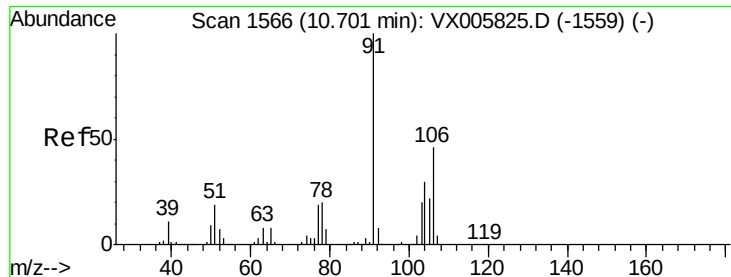
Tgt Ion: 106 Resp: 187511

Ion Ratio Lower Upper

106 100

91 204.2 164.2 246.4





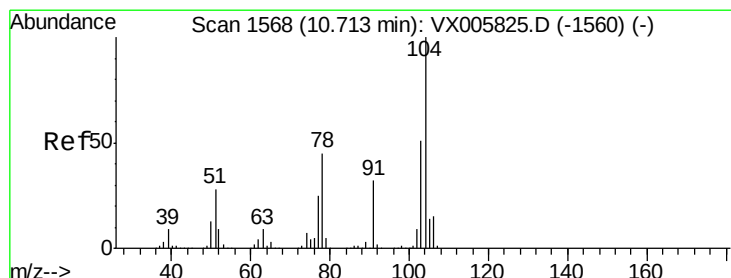
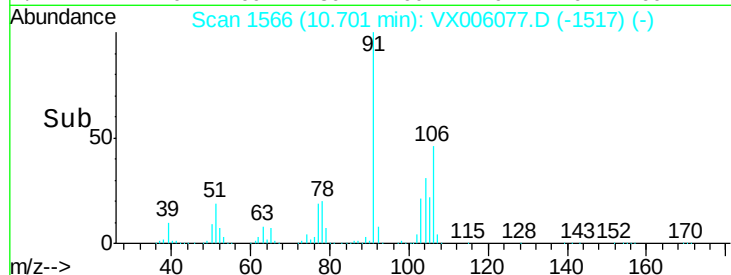
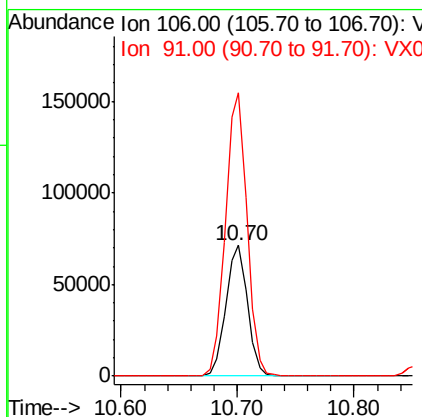
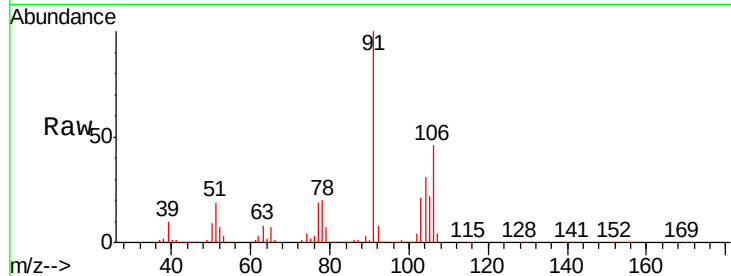
#69
o-Xylene
Concen: 59.44 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 91364
Ion Ratio Lower Upper
106 100
91 216.9 108.5 325.5

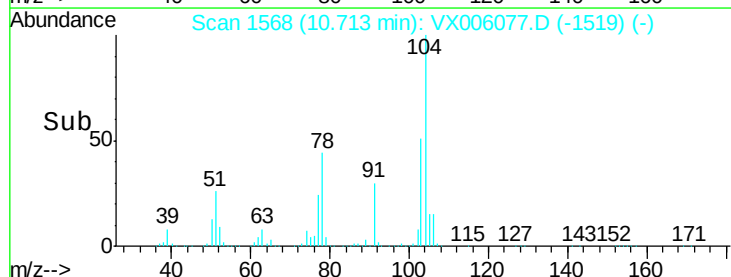
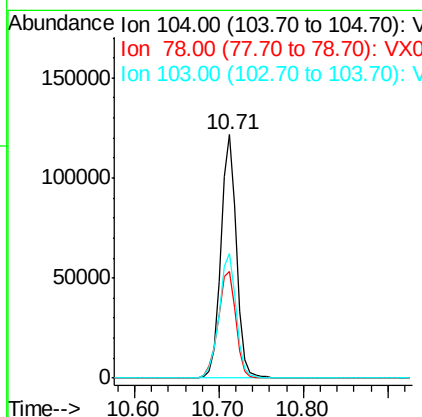
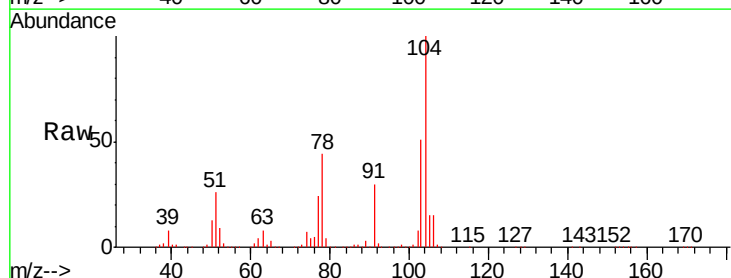
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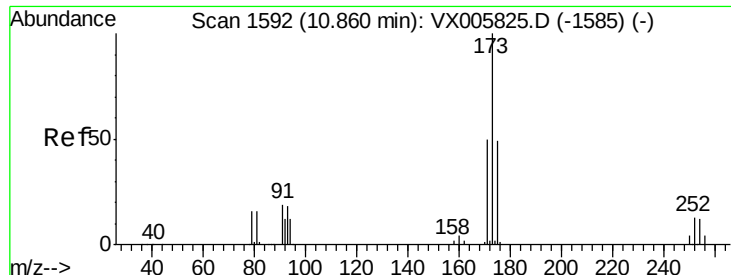
MMDadoda
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#70
Styrene
Concen: 61.48 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion:104 Resp: 155895
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.4
103 56.0 44.9 67.3





#71

Bromoform

Concen: 56.10 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 45820

Ion Ratio Lower Upper

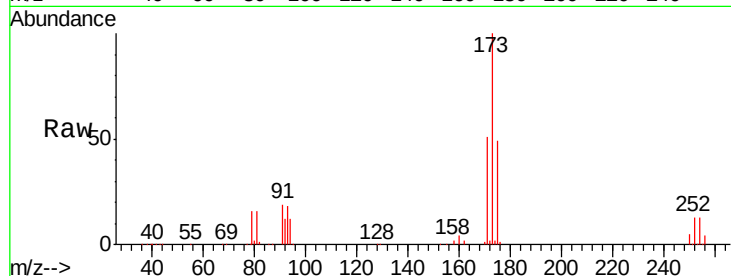
173 100

175 48.9 24.8 74.3

254 0.1 0.2 0.2#

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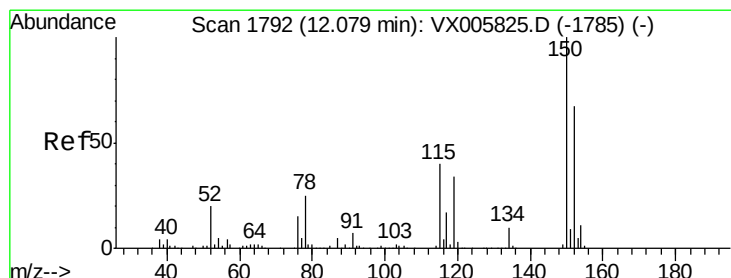
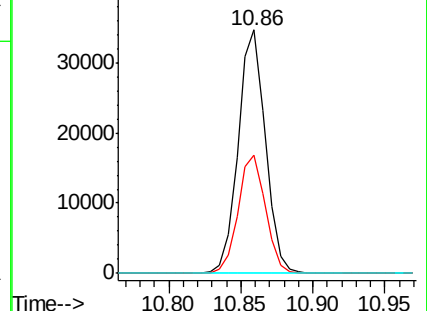
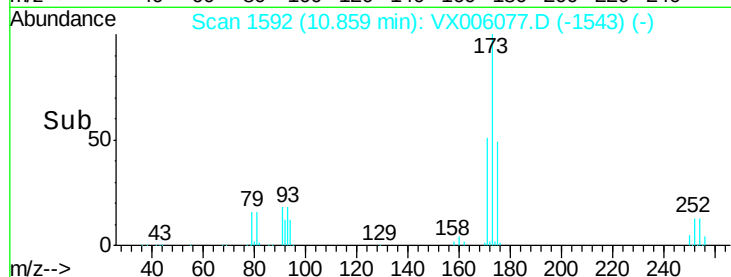
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

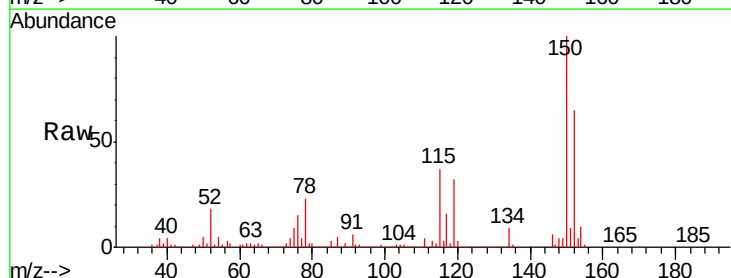
Tgt Ion:152 Resp: 104635

Ion Ratio Lower Upper

152 100

115 74.9 39.4 118.1

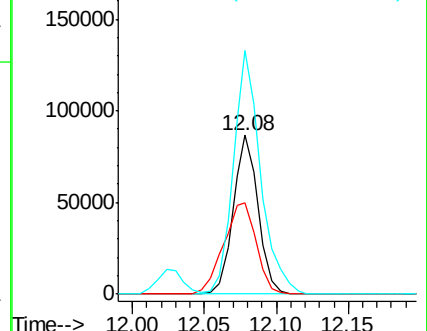
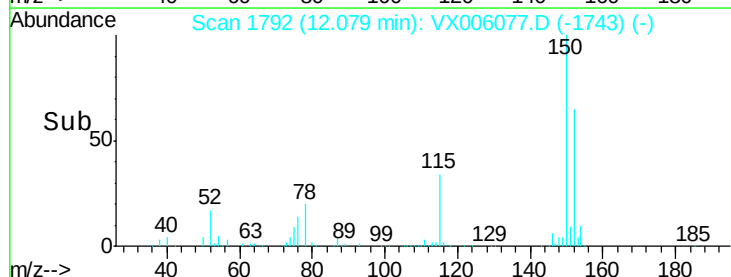
150 168.2 0.0 346.4

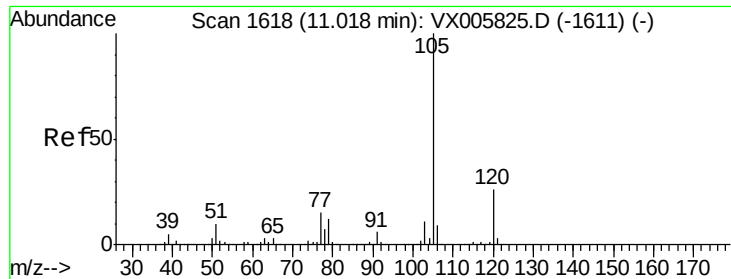


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 41.66 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 252087

Ion Ratio Lower Upper

105 100

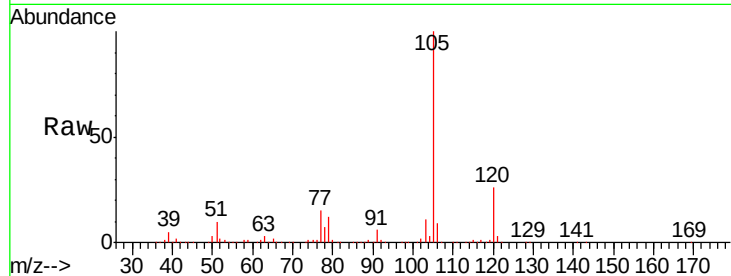
120 26.4 13.1 39.3

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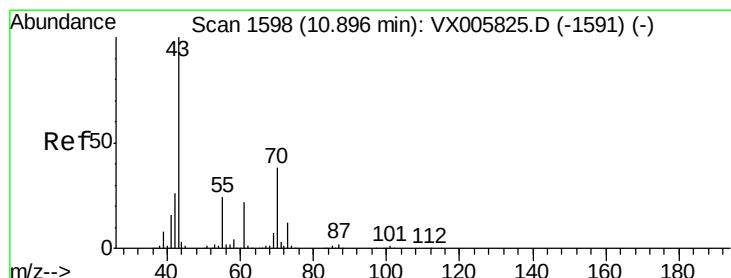
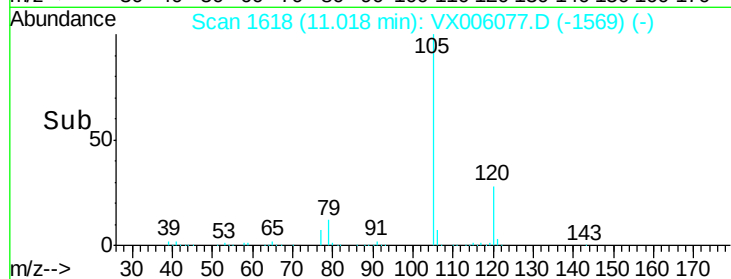
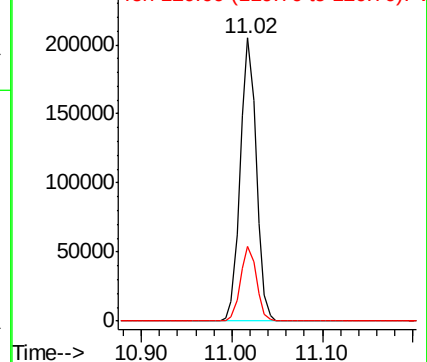
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 38.43 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Tgt Ion: 43 Resp: 129476

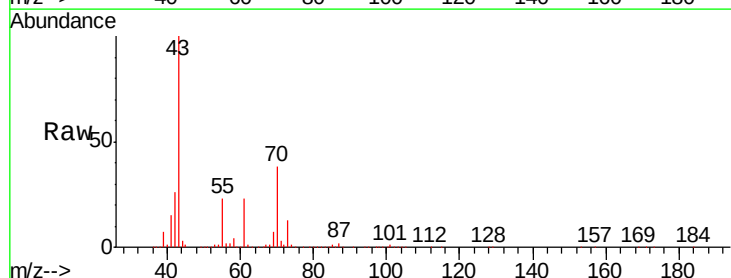
Ion Ratio Lower Upper

43 100

70 39.7 31.6 47.4

55 24.0 19.7 29.5

61 23.4 18.3 27.5

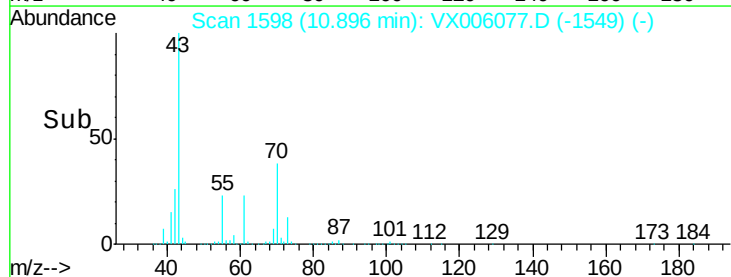
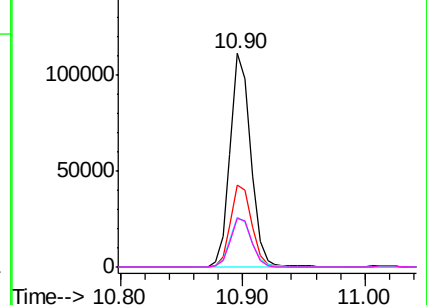


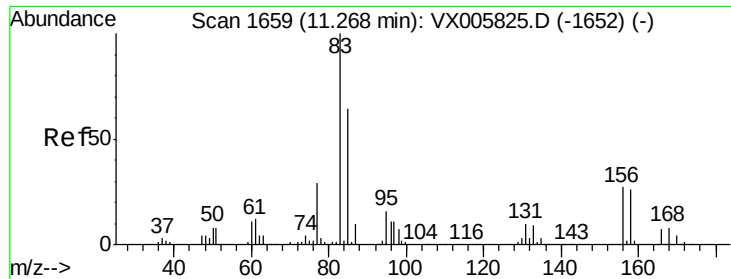
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 40.56 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 90077
Ion Ratio Lower Upper

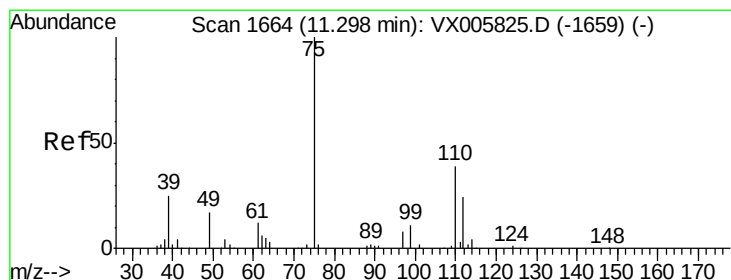
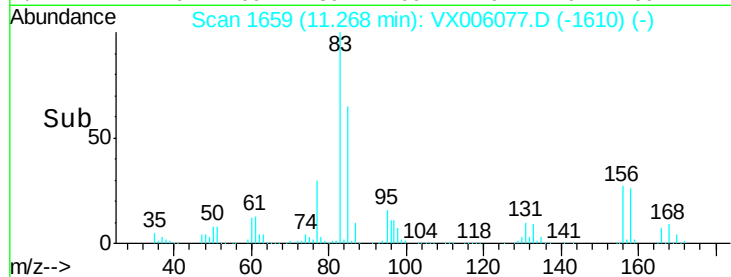
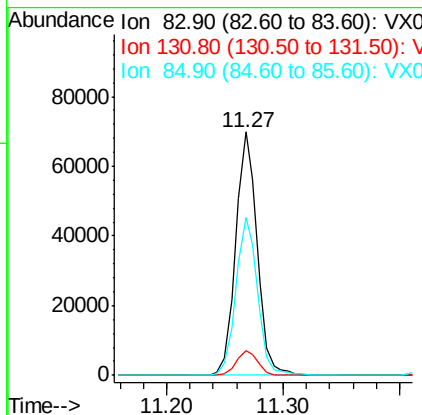
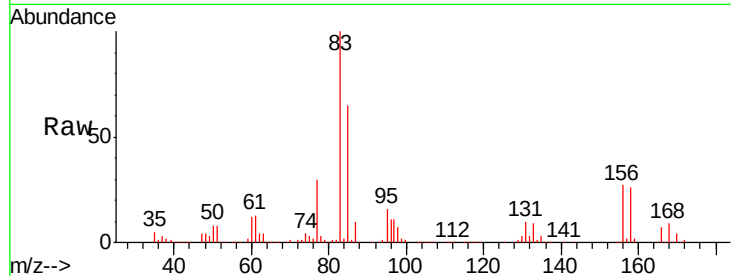
83 100

131 10.3 5.3 15.9

85 65.3 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 40.83 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

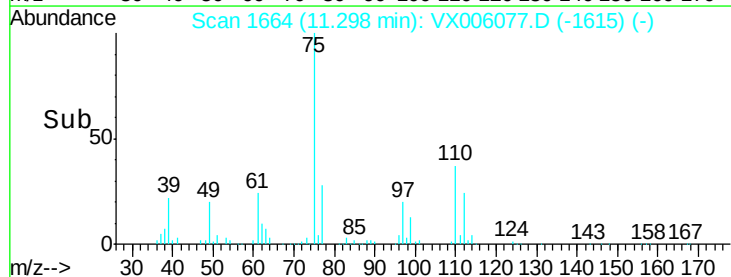
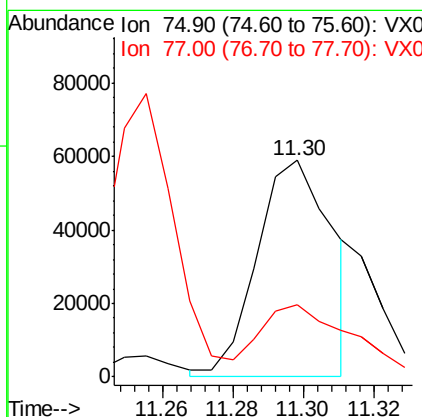
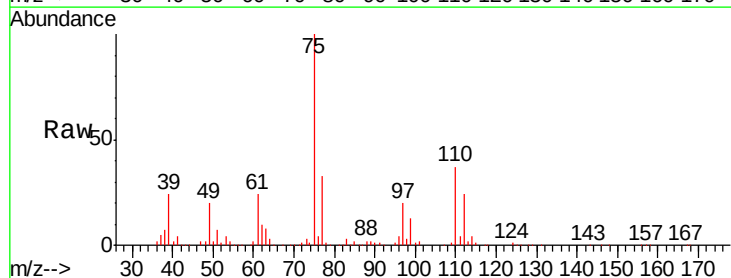
Lab File: VX006077.D

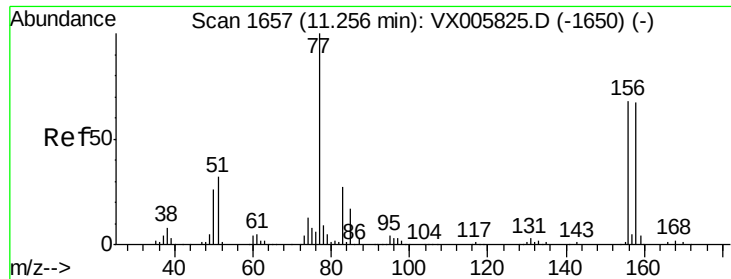
Acq: 17 Nov 2018 19:05

Tgt Ion: 75 Resp: 86984
Ion Ratio Lower Upper

75 100

77 39.8 20.5 61.6





#77

Bromobenzene

Concen: 39.63 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

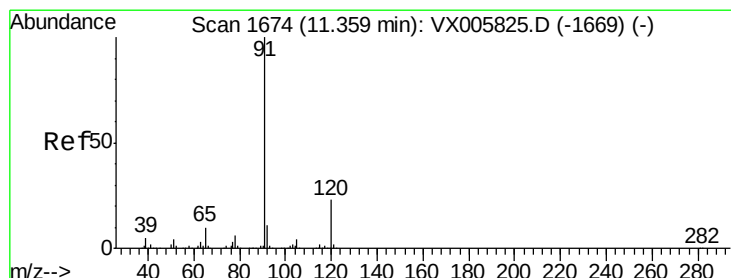
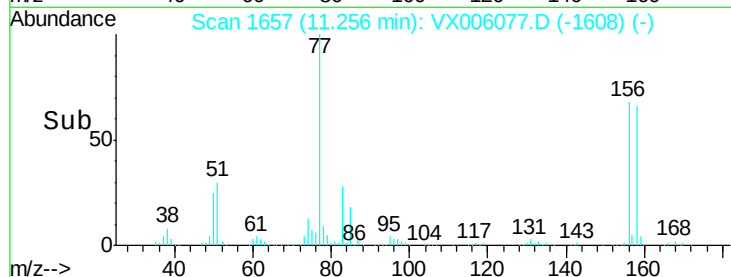
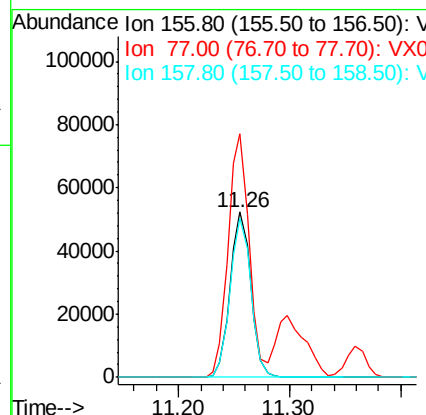
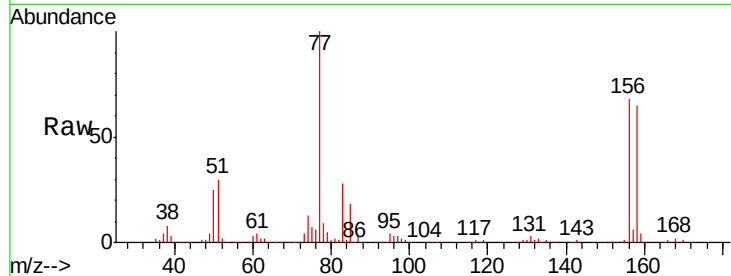
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	67597
Ion Ratio	Lower	Upper	
156	100		
77	149.4	74.8	224.4
158	97.0	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 44.82 ug/l

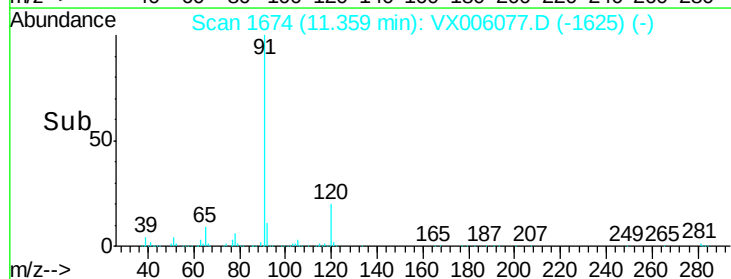
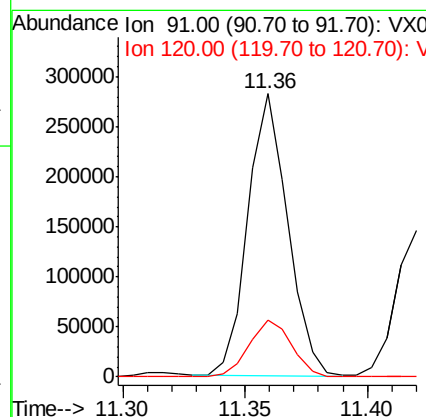
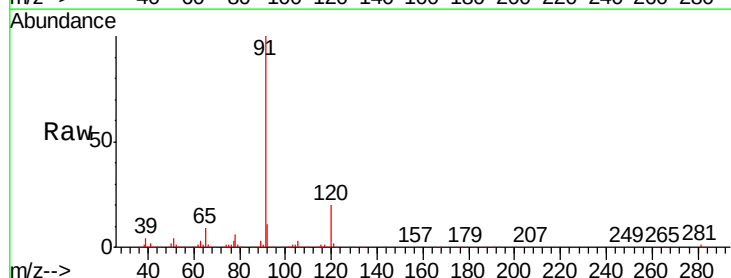
RT: 11.36 min Scan# 1674

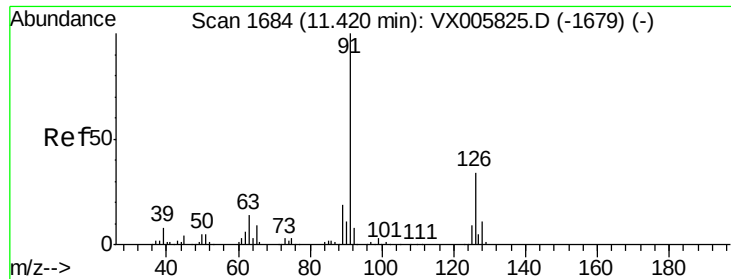
Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Tgt Ion:	91	Resp:	319641
Ion Ratio	Lower	Upper	
91	100		
120	21.4	11.9	35.5





#79

2-Chlorotoluene

Concen: 41.69 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 179678

Ion Ratio Lower Upper

91 100

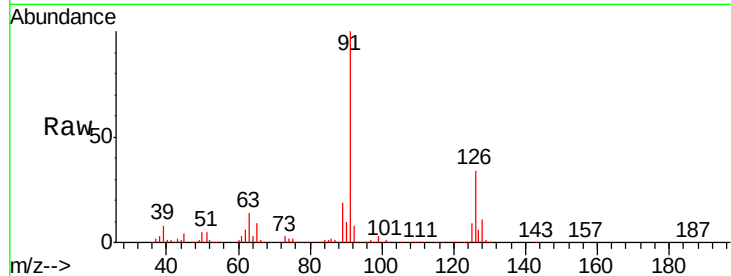
126 34.2 17.3 52.0

Manual Integrations

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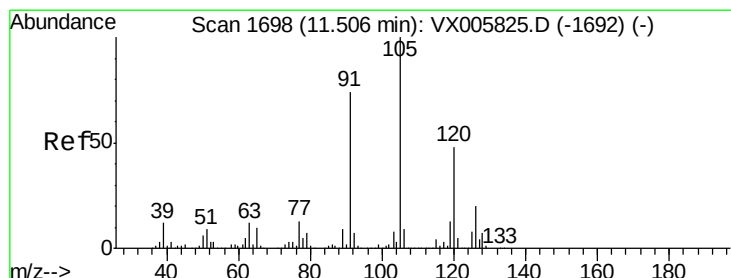
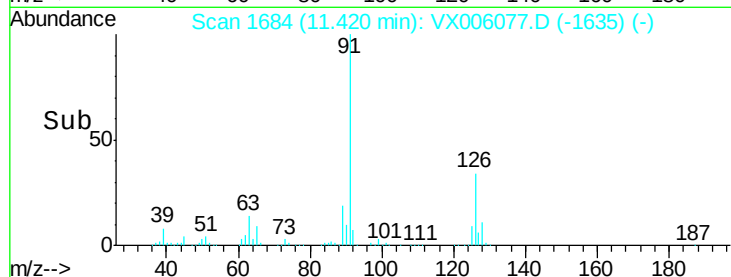
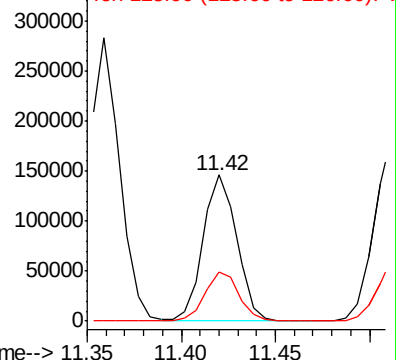
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 43.92 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006077.D

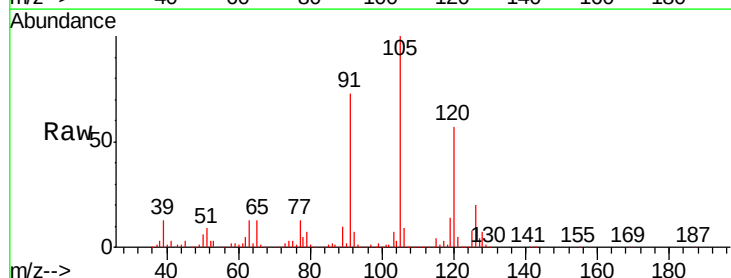
Acq: 17 Nov 2018 19:05

Tgt Ion: 105 Resp: 225823

Ion Ratio Lower Upper

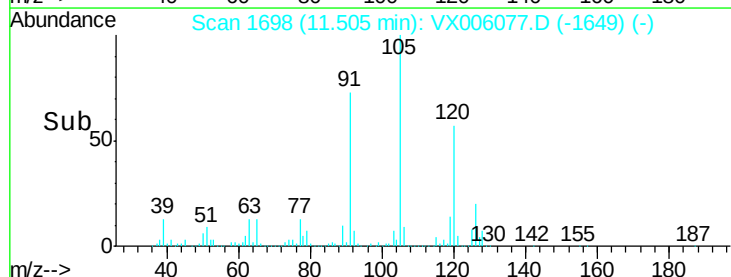
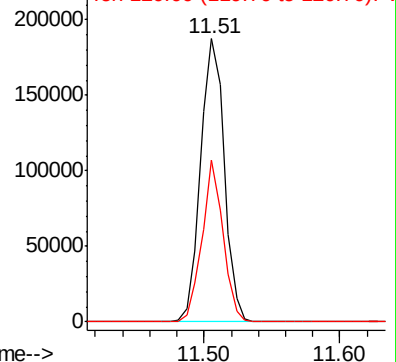
105 100

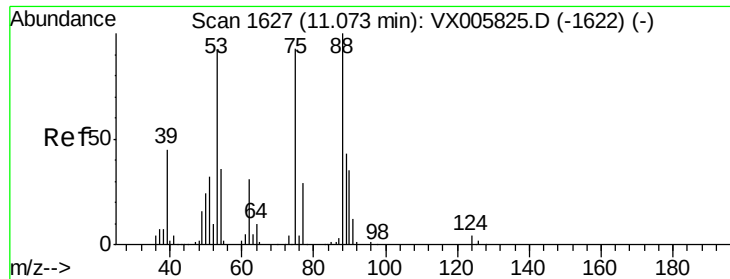
120 50.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 40.16 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

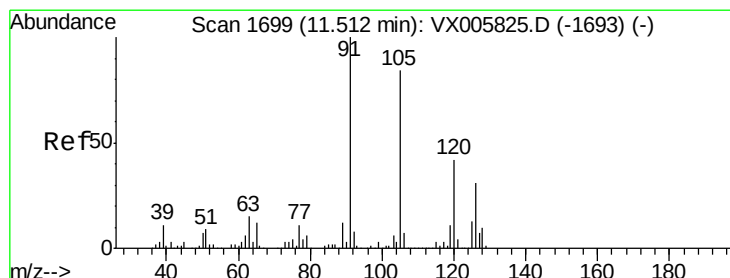
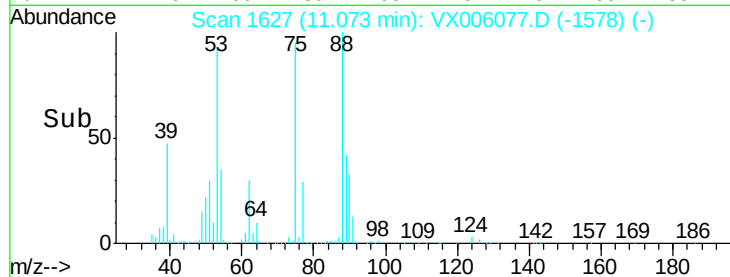
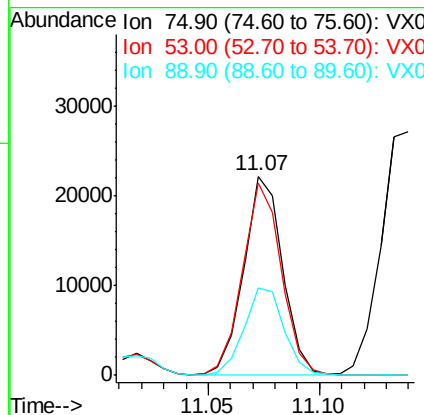
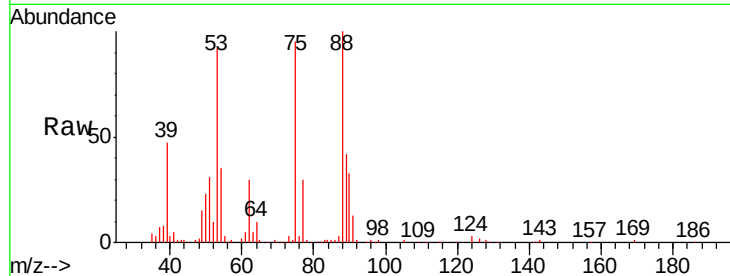
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	26844
Ion	Ratio	Lower	Upper
75	100		
53	96.6	80.2	120.2
89	45.7	39.8	59.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 43.58 ug/l

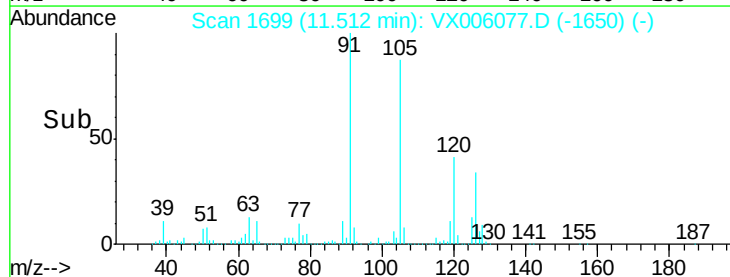
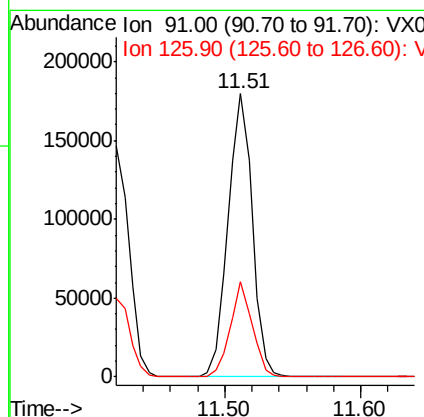
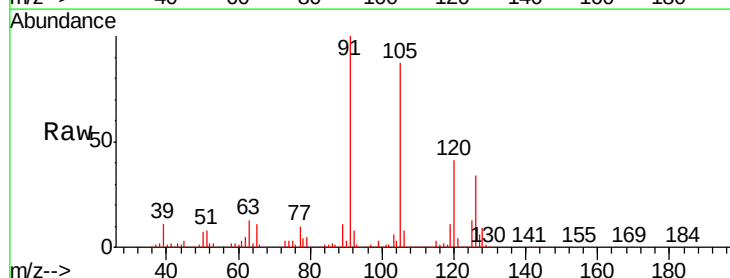
RT: 11.51 min Scan# 1699

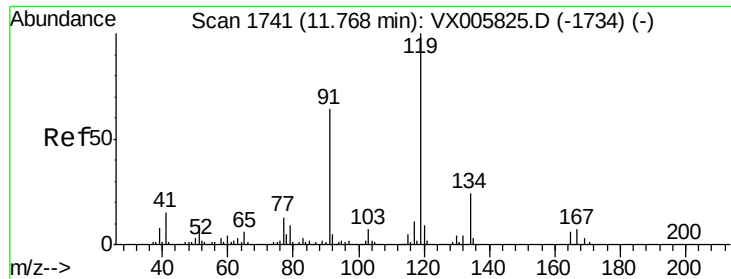
Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Tgt Ion:	91	Resp:	221365
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.2	45.6





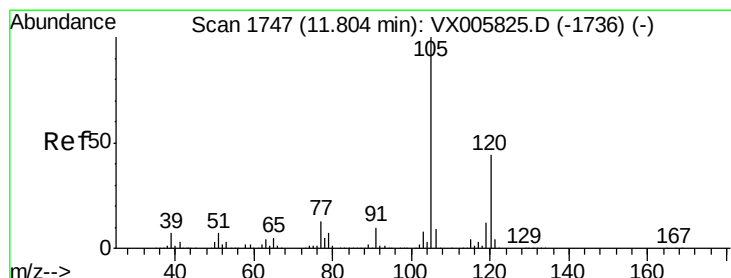
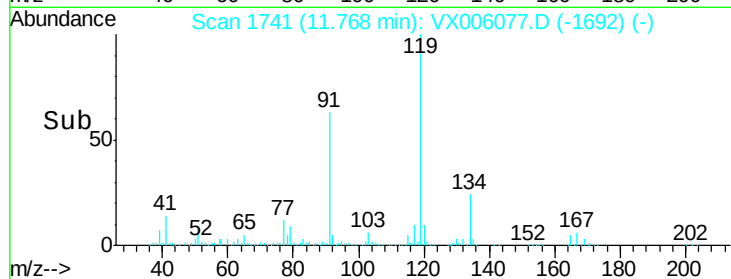
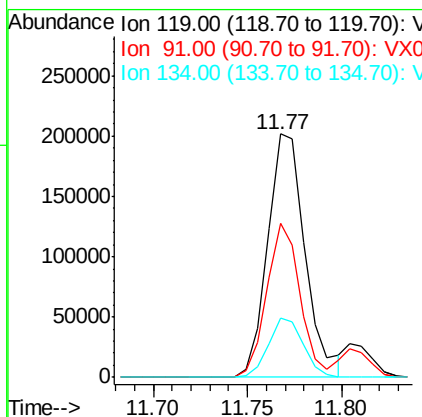
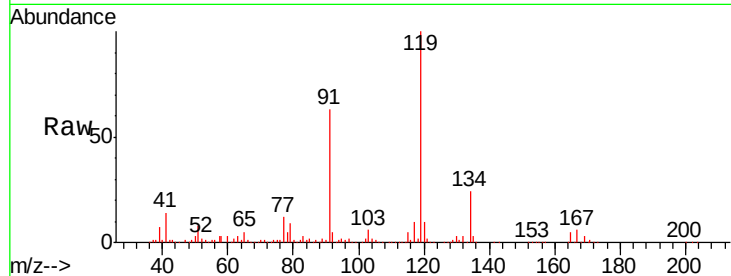
#83
 tert-Butylbenzene
 Concen: 53.57 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	278673		
91	56.2	28.5	85.5	
134	22.6	11.3	33.8	

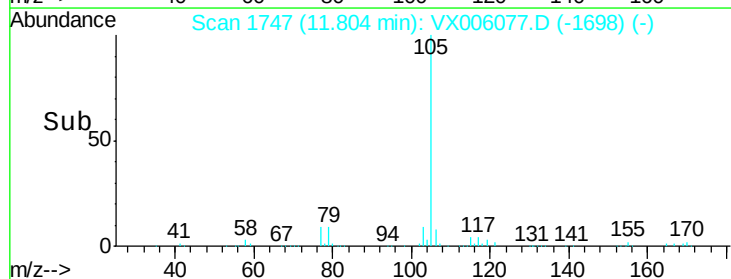
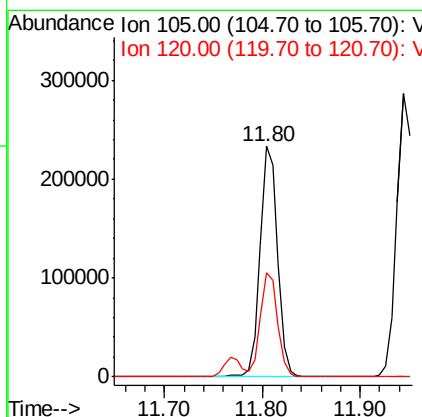
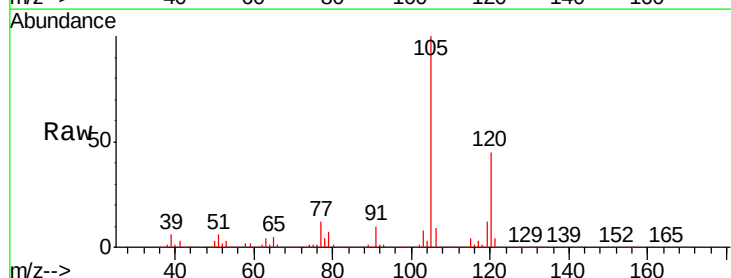
Manual Integrations
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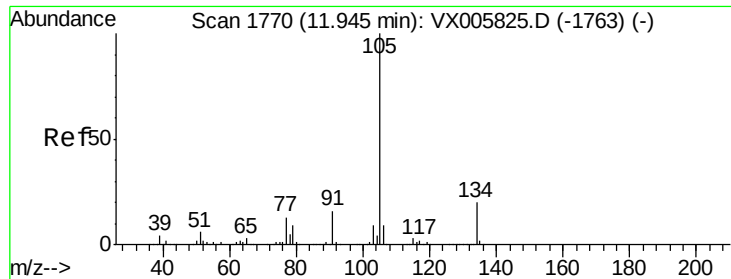
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.55 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	286840		
120	44.9	22.4	67.0	





#85

sec-Butylbenzene

Concen: 53.54 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 340556

Ion Ratio Lower Upper

105 100

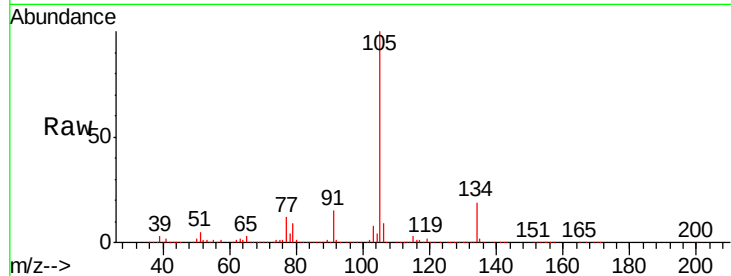
134 20.3 10.2 30.4

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

11.94

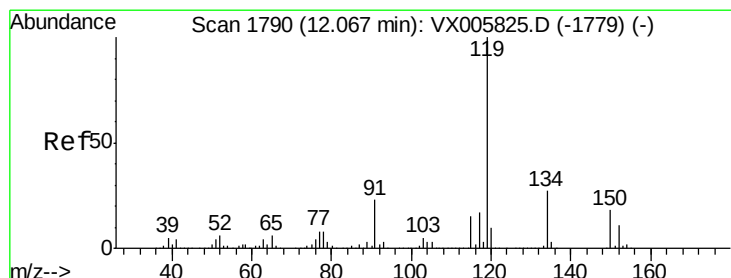
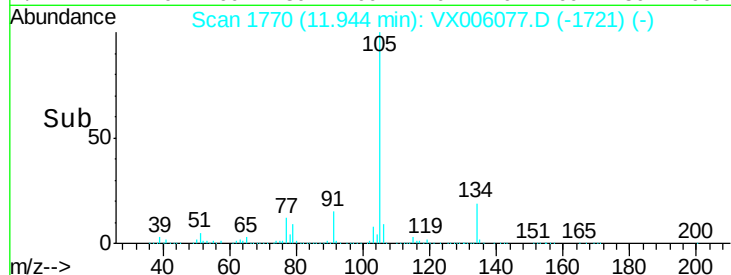
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.76 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006077.D

Acq: 17 Nov 2018 19:05

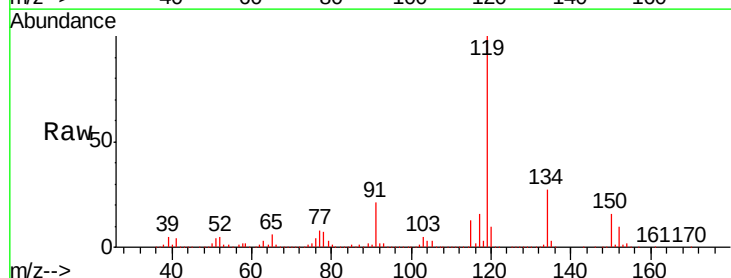
Tgt Ion:119 Resp: 302944

Ion Ratio Lower Upper

119 100

134 26.7 13.0 39.0

91 22.3 11.4 34.2



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

12.07

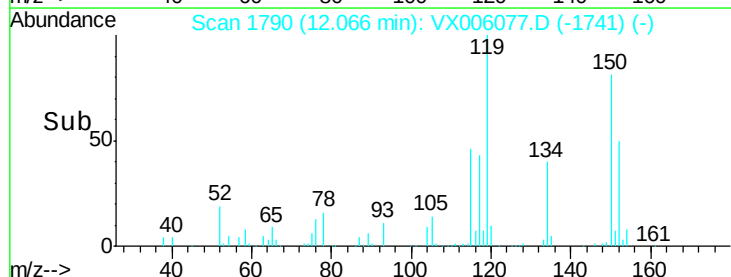
300000

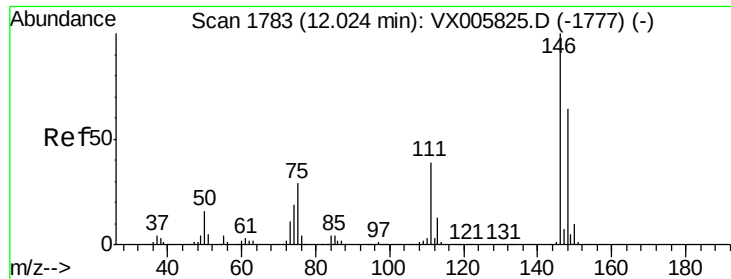
200000

100000

0

Time-->





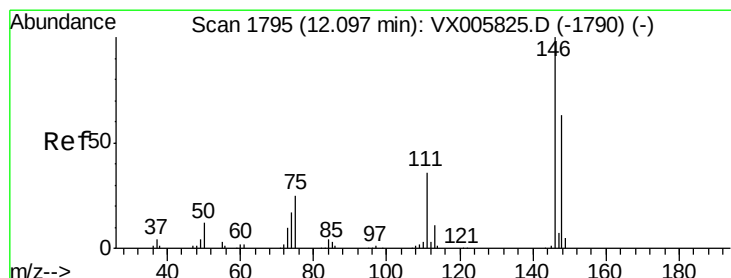
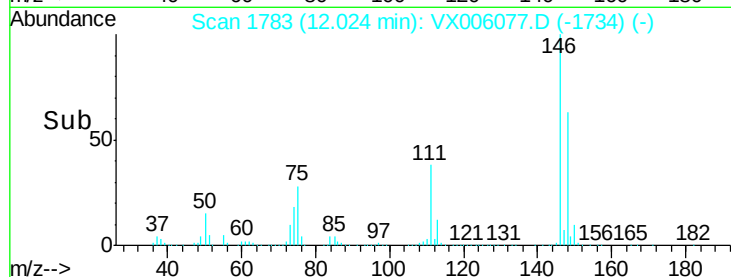
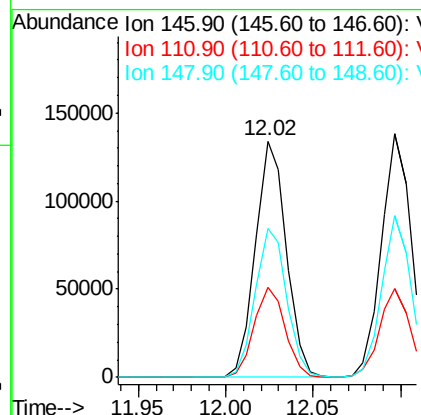
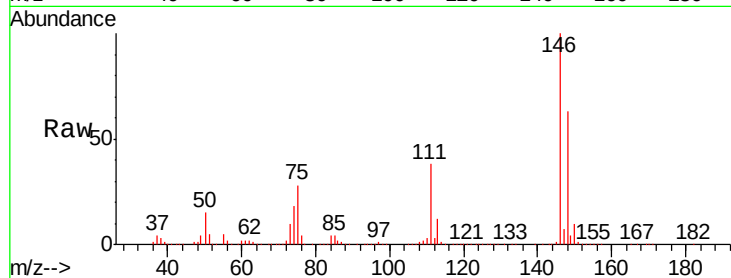
#87
 1,3-Dichlorobenzene
 Concen: 50.52 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	64.3	31.9	95.9

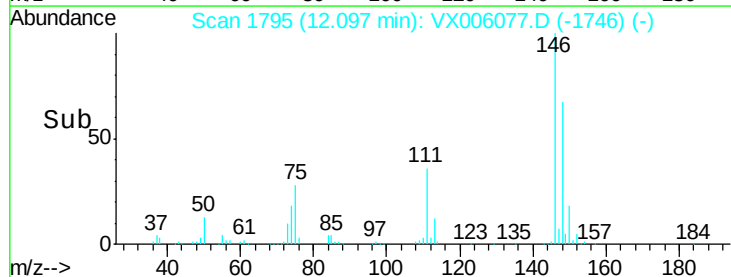
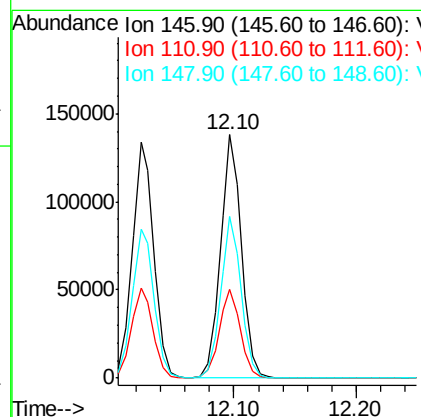
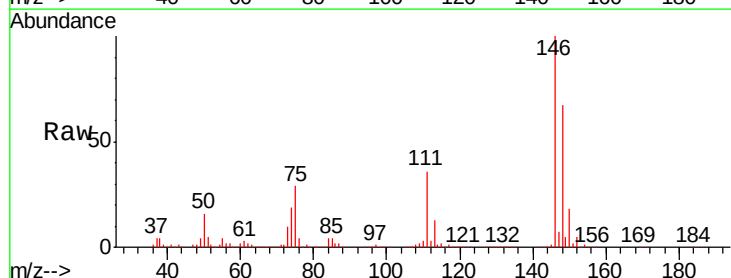
Manual Integrations
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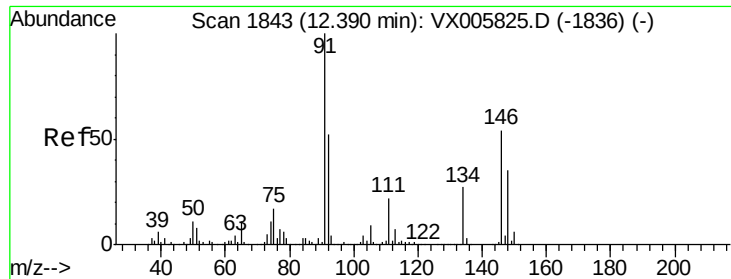
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#88
 1,4-Dichlorobenzene
 Concen: 49.26 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	65.0	32.1	96.3





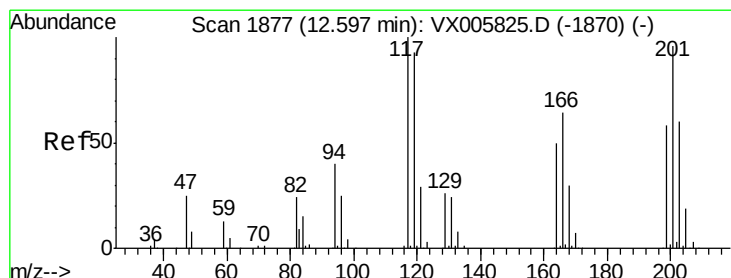
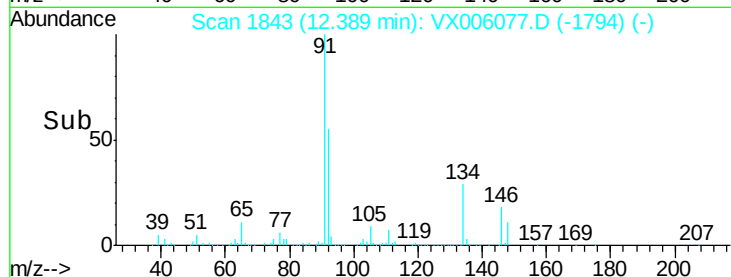
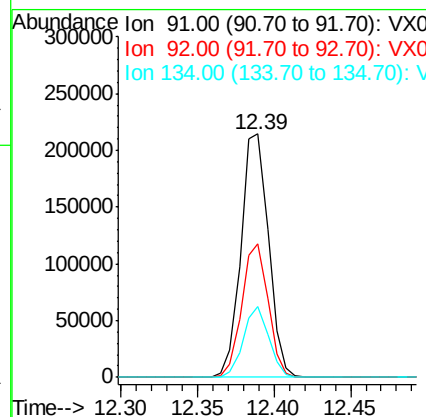
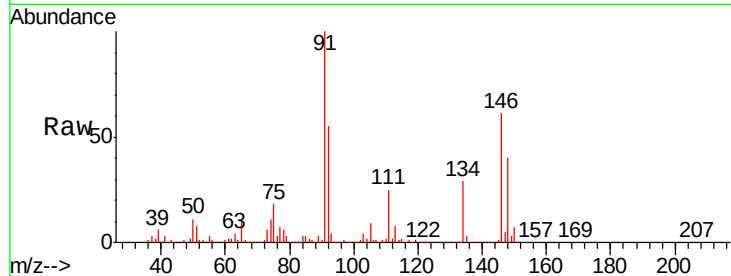
#89
n-Butylbenzene
Concen: 51.15 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.1	78.2
134	27.1	13.1	39.3

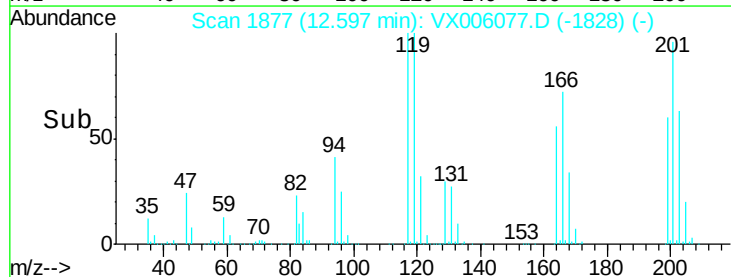
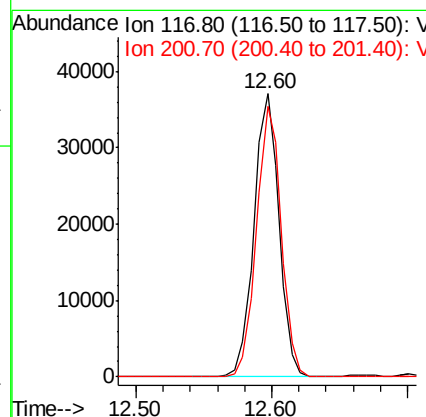
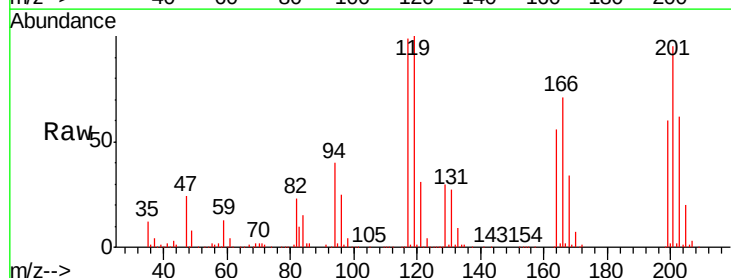
Manual Integrations
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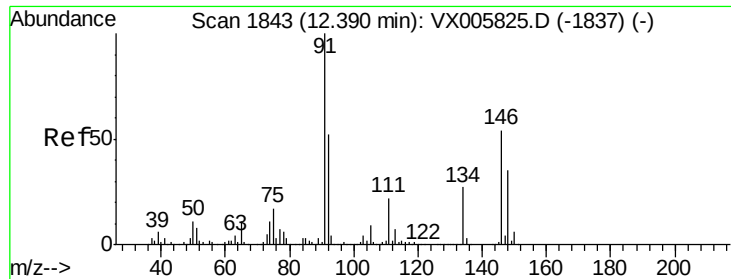
MMDadoda
11/19/2018 9:25:18 AM



#90
Hexachloroethane
Concen: 50.78 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.1	47.9	143.6





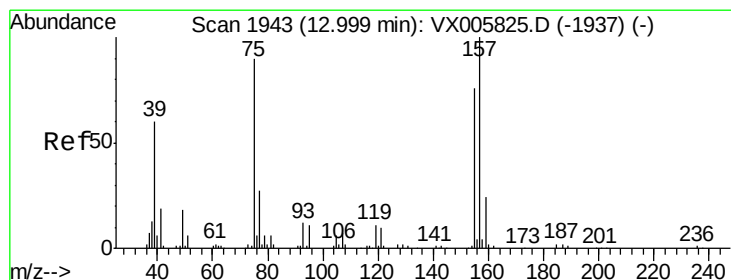
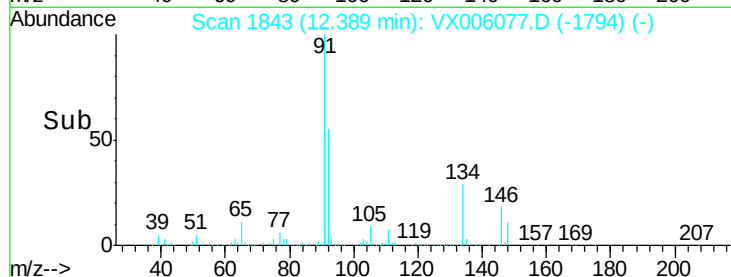
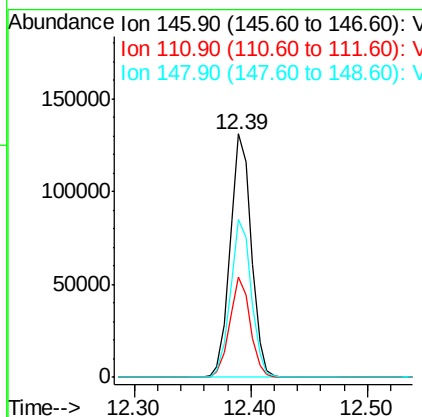
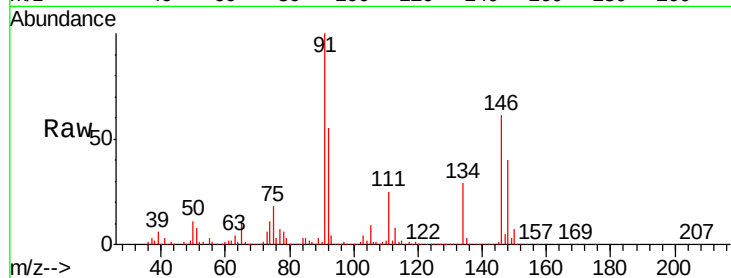
#91
 1,2-Dichlorobenzene
 Concen: 50.51 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.1	32.2	96.6

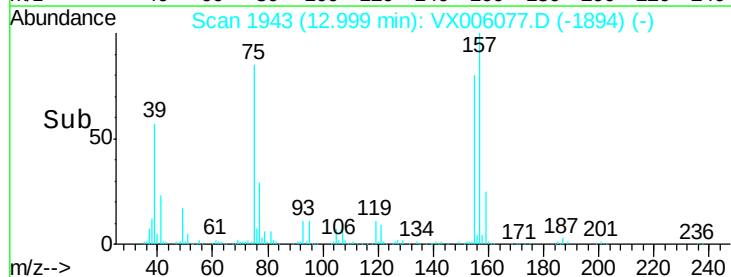
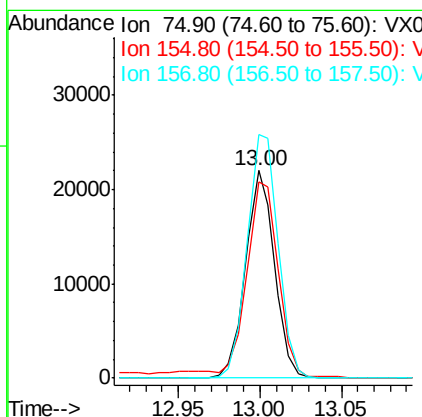
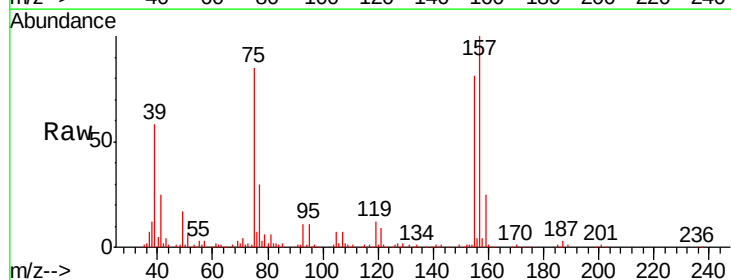
Manual Integrations
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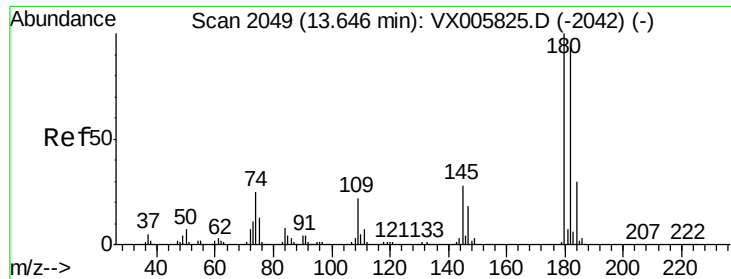
MMDadoda
 11/19/2018 9:25:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.49 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.9	45.4	136.1
157	125.7	57.4	172.0





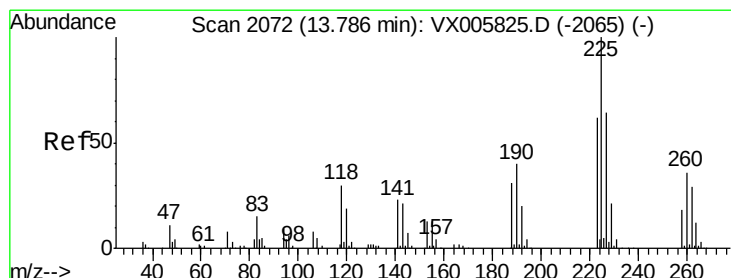
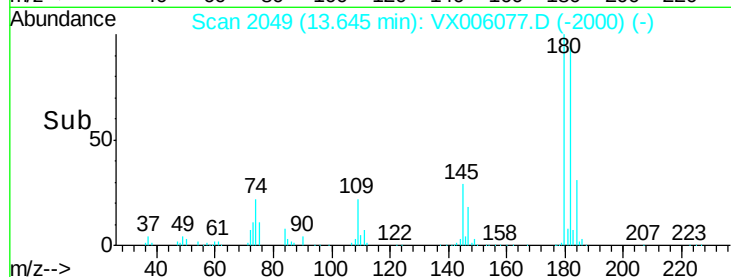
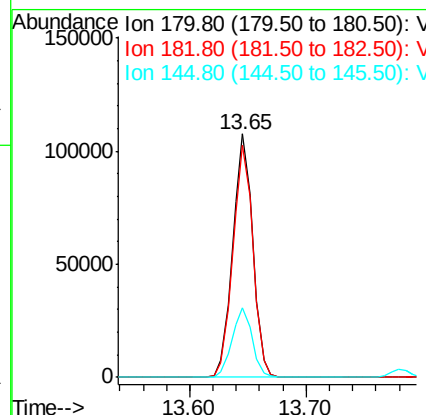
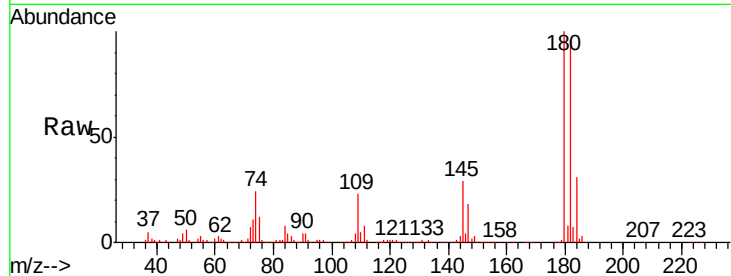
#93
 1,2,4-Trichlorobenzene
 Concen: 55.55 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	128224		
182	95.9	47.6	142.8	
145	28.8	14.1	42.2	

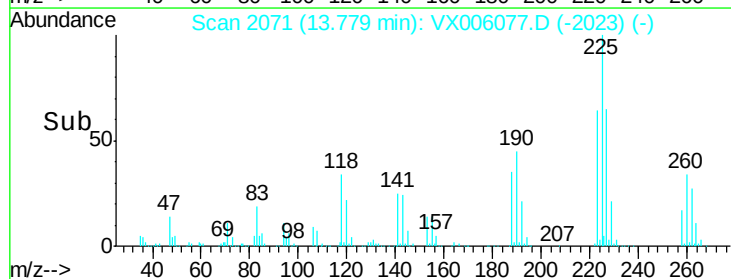
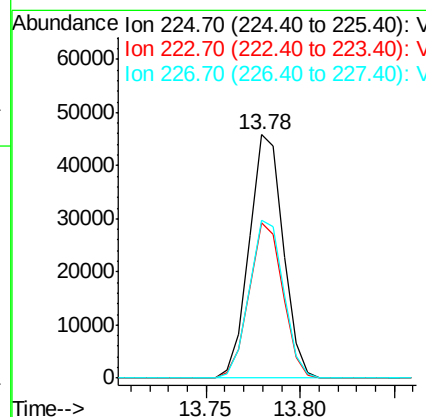
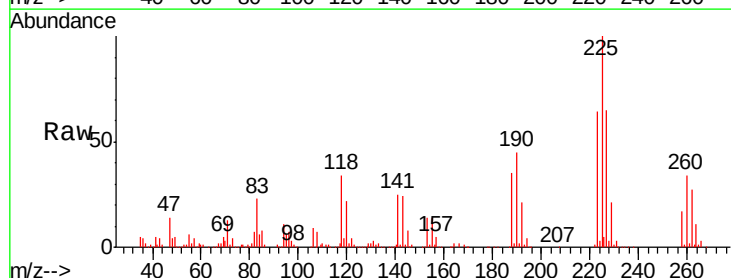
Manual Integrations
 APPROVED

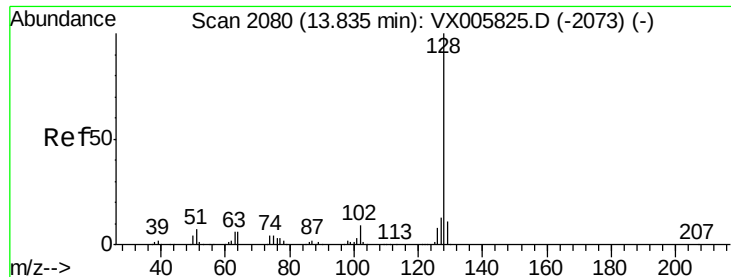
MMDadoda
 11/19/2018 9:25:18 AM



#94
 Hexachlorobutadiene
 Concen: 47.43 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006077.D
 Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57514		
223	63.2	31.7	95.1	
227	65.2	32.3	96.9	





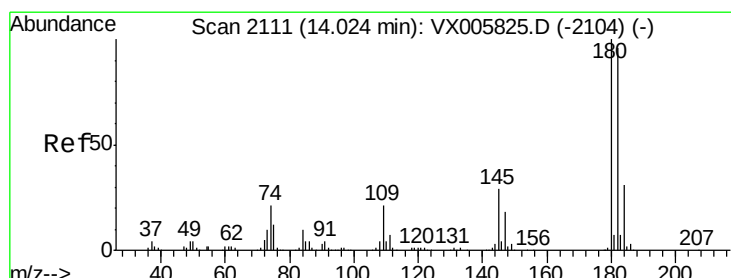
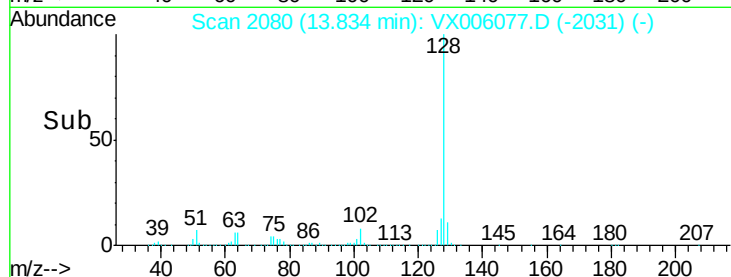
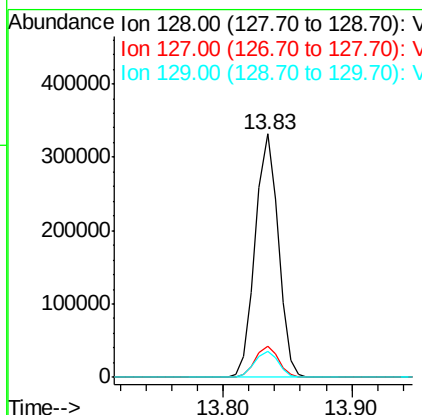
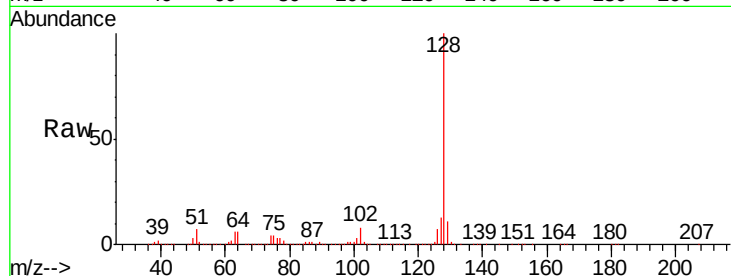
#95
Naphthalene
Concen: 53.89 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/19/2018 9:25:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.06 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006077.D
Acq: 17 Nov 2018 19:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.0	144.2
145	30.5	15.1	45.3

