

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008347.D
 Acq On : 23 Mar 2019 13:32
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:16:38 AM

Quant Time: Mar 23 15:01:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 14:52:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	204162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	347327	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137837	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	16557	5.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.76%	
35) Dibromofluoromethane	5.49	113	11614	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
50) Toluene-d8	8.71	98	46754	5.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.60%	
62) 4-Bromofluorobenzene	11.13	95	16764	5.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	12531	5.062	ug/l	91
3) Chloromethane	1.32	50	18541	5.970	ug/l	96
4) Vinyl Chloride	1.40	62	17610	5.687	ug/l	98
5) Bromomethane	1.64	94	12144	4.604	ug/l	96
6) Chloroethane	1.71	64	9966	5.133	ug/l	98
7) Trichlorofluoromethane	1.92	101	20118	5.091	ug/l	96
8) Diethyl Ether	2.18	74	9677	4.759	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	11961	4.558	ug/l	90
10) Methyl Iodide	2.51	142	13691	4.098	ug/l	95
11) Tert butyl alcohol	3.05	59	17577	26.703	ug/l #	94
12) 1,1-Dichloroethene	2.37	96	12264	4.951	ug/l	88
13) Acrolein	2.29	56	16352	32.592	ug/l	99
14) Allyl chloride	2.72	41	25814	4.787	ug/l	90
15) Acrylonitrile	3.14	53	45935	26.383	ug/l	98
16) Acetone	2.45	43	38053	21.820	ug/l	98
17) Carbon Disulfide	2.56	76	38319	4.797	ug/l	99
18) Methyl Acetate	2.77	43	20473	5.071	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	43158	4.818	ug/l	97
20) Methylene Chloride	2.85	84	14801	5.090	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	13045	4.875	ug/l	83
22) Diisopropyl ether	3.85	45	53039	5.022	ug/l #	83
23) Vinyl Acetate	3.81	43	226057	24.965	ug/l	97
24) 1,1-Dichloroethane	3.70	63	26987	4.968	ug/l	97
25) 2-Butanone	4.67	43	64156	24.922	ug/l	94
26) 2,2-Dichloropropane	4.58	77	16636	4.065	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	14909	4.887	ug/l	87
28) Bromochloromethane	5.01	49	12381	5.076	ug/l #	79
29) Tetrahydrofuran	5.13	42	42381	26.335	ug/l	99
30) Chloroform	5.21	83	23831	4.690	ug/l	98
31) Cyclohexane	5.58	56	25830	5.064	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	18272	4.323	ug/l #	94
36) 1,1-Dichloropropene	5.79	75	19062	4.714	ug/l	96
37) Ethyl Acetate	4.84	43	24655	5.158	ug/l	97
38) Carbon Tetrachloride	5.78	117	15267	4.237	ug/l	98

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

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 VSTDIC005

Manual Integrations
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Quant Time: Mar 23 15:01:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	23518	4.833	ug/l	88
40) Benzene	6.14	78	57292	4.787	ug/l	99
41) Methacrylonitrile	5.04	41	13773	5.137	ug/l	97
42) 1,2-Dichloroethane	6.19	62	21115	4.816	ug/l	97
43) Isopropyl Acetate	6.45	43	38952	5.084	ug/l	96
44) Trichloroethene	7.21	130	13130	4.487	ug/l	98
45) 1,2-Dichloropropane	7.51	63	16620	4.960	ug/l	100
46) Dibromomethane	7.66	93	9261	4.565	ug/l #	84
47) Bromodichloromethane	7.90	83	17246	4.461	ug/l #	99
48) Methyl methacrylate	7.77	41	18739	4.600	ug/l	95
49) 1,4-Dioxane	7.74	88	8025	111.623	ug/l #	86
51) 4-Methyl-2-Pentanone	8.64	43	126650	25.568	ug/l	96
52) Toluene	8.78	92	33604	4.733	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	16643	3.847	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	19893	4.146	ug/l #	90
55) 1,1,2-Trichloroethane	9.21	97	14158	4.935	ug/l	97
56) Ethyl methacrylate	9.18	69	23111	5.036	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	24484	4.824	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	62330	26.517	ug/l	92
59) 2-Hexanone	9.49	43	95900	25.147	ug/l	96
60) Dibromochloromethane	9.58	129	11780	4.273	ug/l	99
61) 1,2-Dibromoethane	9.67	107	14057	4.693	ug/l	98
64) Tetrachloroethene	9.34	164	10517	3.840	ug/l	95
65) Chlorobenzene	10.13	112	34427	4.608	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	11247	4.318	ug/l	99
67) Ethyl Benzene	10.25	91	62954	4.782	ug/l	98
68) m/p-Xylenes	10.36	106	45175	9.342	ug/l	90
69) o-Xylene	10.69	106	22169	4.718	ug/l	92
70) Styrene	10.71	104	37812	4.951	ug/l	97
71) Bromoform	10.85	173	7775	3.924	ug/l #	97
73) Isopropylbenzene	11.02	105	59013	4.803	ug/l	98
74) N-amyl acetate	10.90	43	32405	5.034	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	22733	5.160	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	18956m	4.890	ug/l	
77) Bromobenzene	11.26	156	13909	4.682	ug/l	81
78) n-propylbenzene	11.36	91	68777	4.820	ug/l	95
79) 2-Chlorotoluene	11.42	91	42113	4.917	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	50447	4.970	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	5422	4.000	ug/l #	68
82) 4-Chlorotoluene	11.51	91	48440	4.860	ug/l	92
83) tert-Butylbenzene	11.77	119	47069	4.857	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	49784	4.838	ug/l	96
85) sec-Butylbenzene	11.94	105	56351	4.696	ug/l	95
86) p-Isopropyltoluene	12.06	119	49054	4.722	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	24609	4.635	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	24791	4.515	ug/l	91
89) n-Butylbenzene	12.38	91	45830	4.701	ug/l	95
90) Hexachloroethane	12.60	117	7724	4.366	ug/l	76
91) 1,2-Dichlorobenzene	12.39	146	25035	4.677	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	4693	4.796	ug/l	74

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MSVOA_X
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VSTDICC005

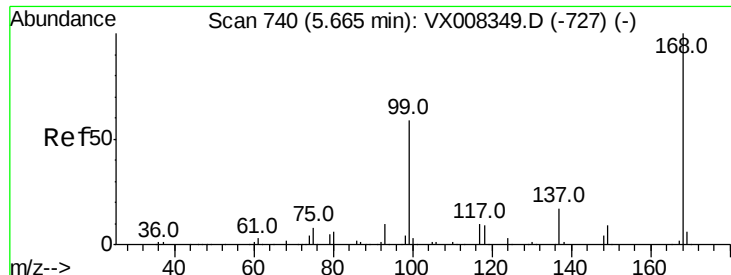
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	16539	4.691	ug/l	98
94) Hexachlorobutadiene	13.78	225	7812	4.543	ug/l	97
95) Naphthalene	13.83	128	56764	5.101	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	16650	4.799	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 204162

Ion Ratio Lower Upper

168 100

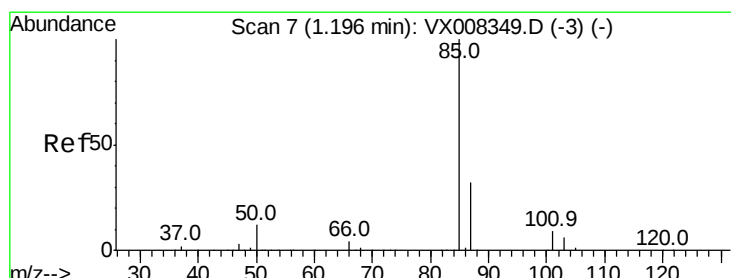
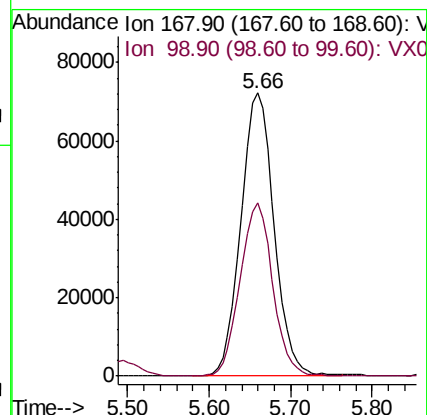
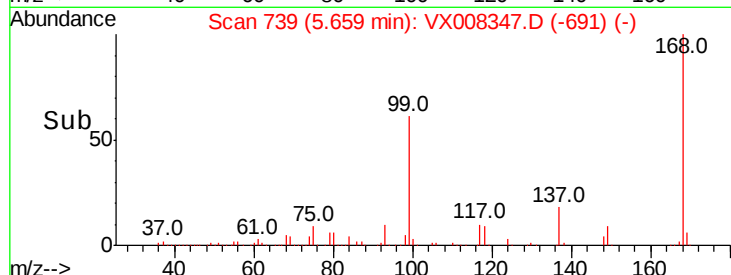
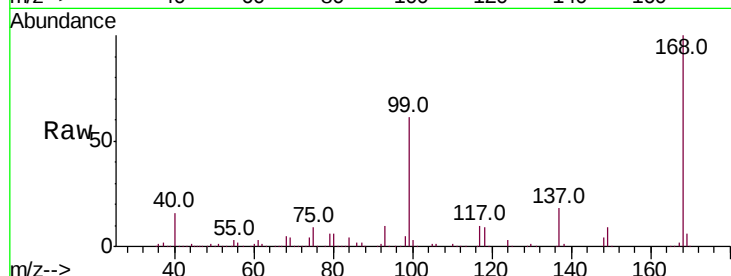
99 61.3 37.6 56.4#

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 5.062 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008347.D

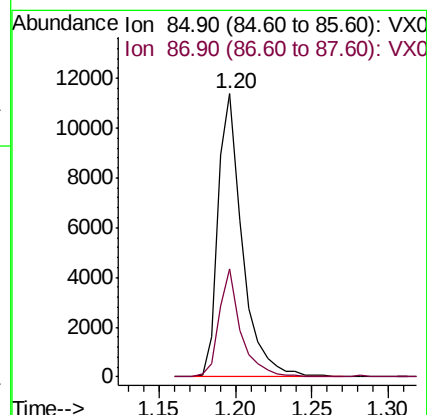
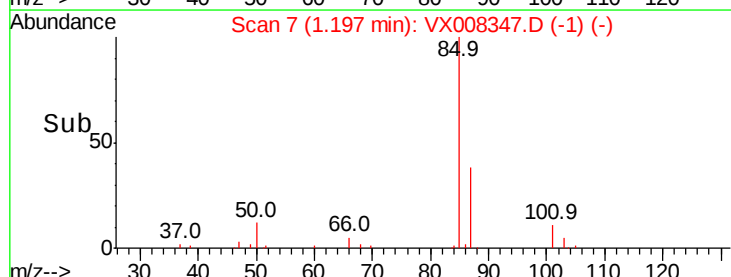
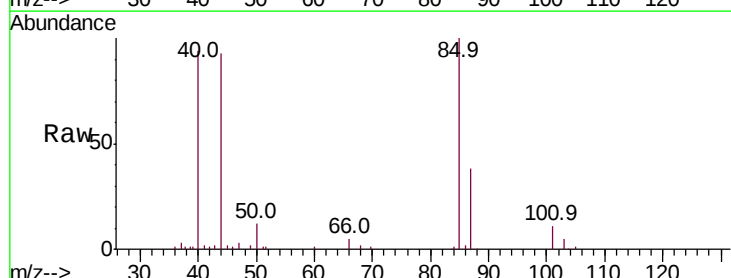
Acq: 23 Mar 2019 13:32

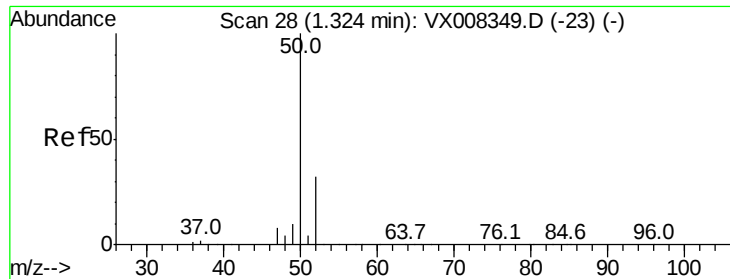
Tgt Ion: 85 Resp: 12531

Ion Ratio Lower Upper

85 100

87 38.0 16.4 49.1





#3

Chloromethane

Concen: 5.970 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 18541

Ion Ratio Lower Upper

50 100

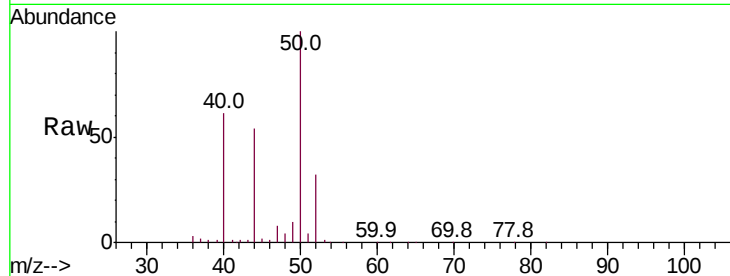
52 30.9 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

20000

15000

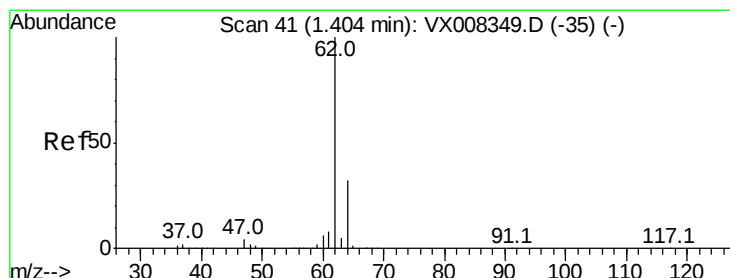
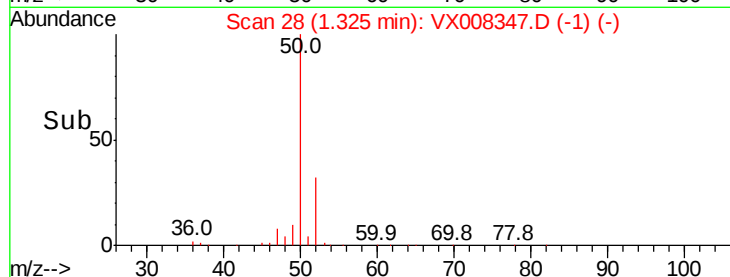
10000

5000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 5.687 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008347.D

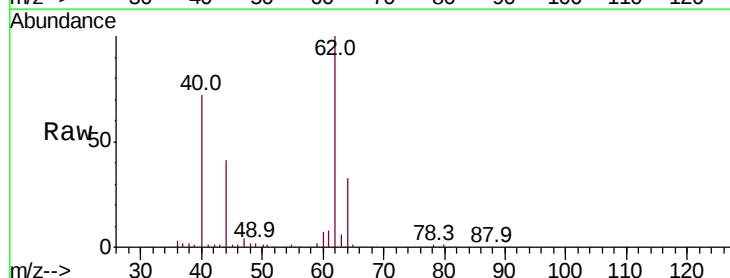
Acq: 23 Mar 2019 13:32

Tgt Ion: 62 Resp: 17610

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

15000

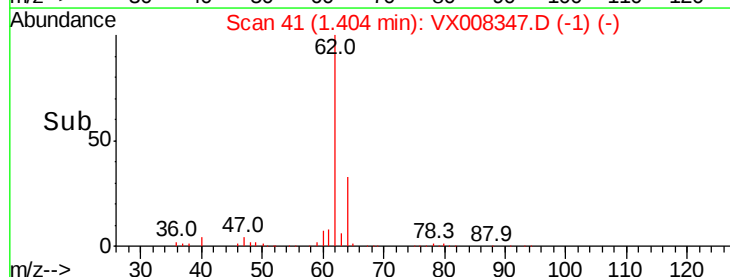
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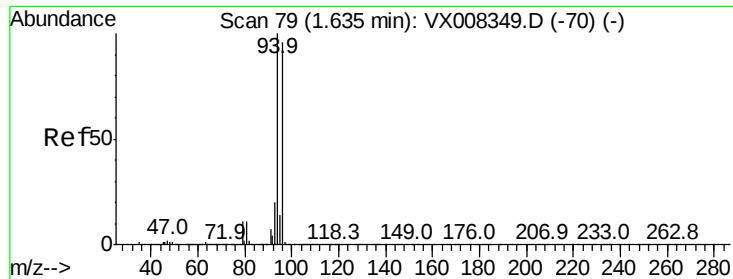
5000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 4.604 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 12144

Ion Ratio Lower Upper

94 100

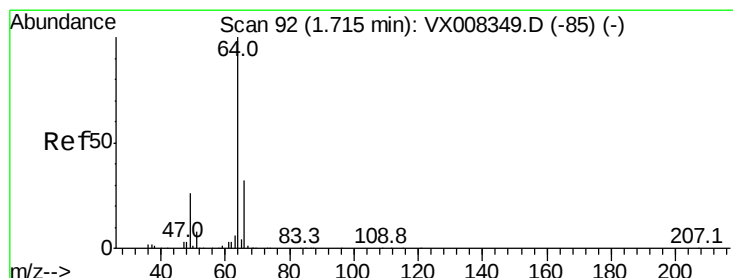
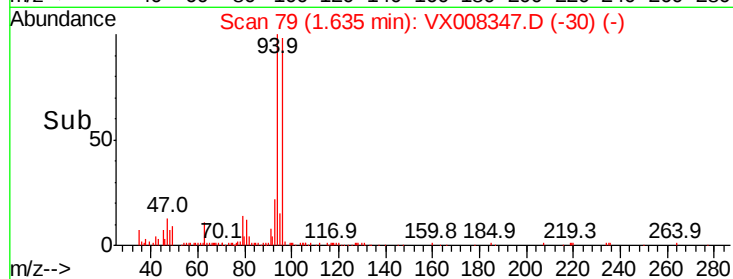
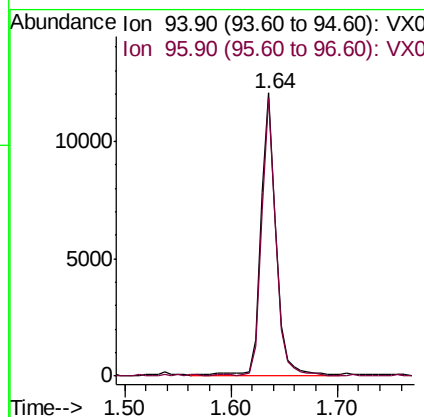
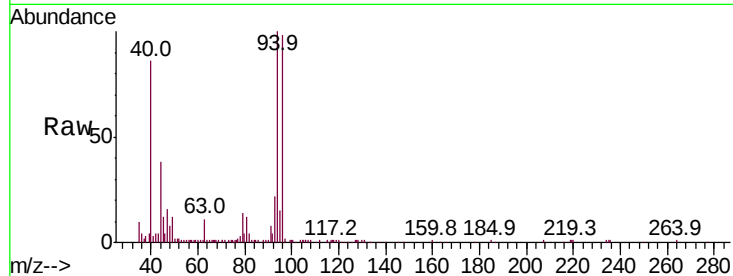
96 98.2 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 5.133 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008347.D

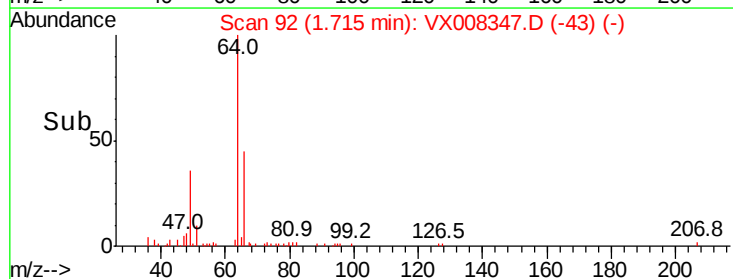
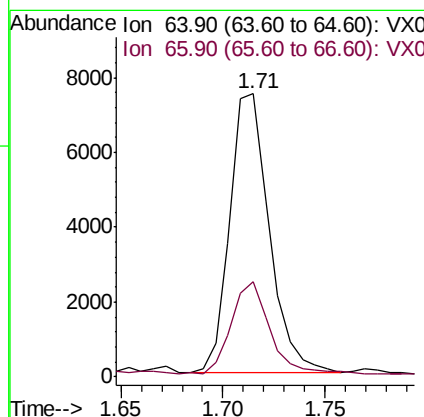
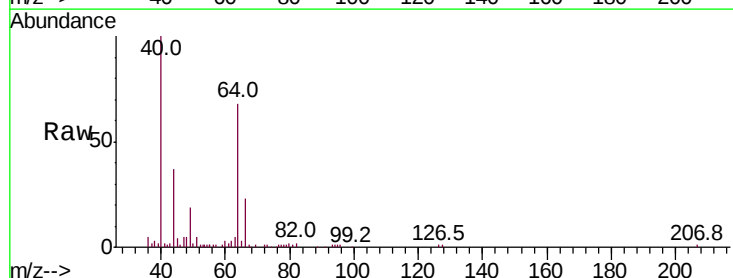
Acq: 23 Mar 2019 13:32

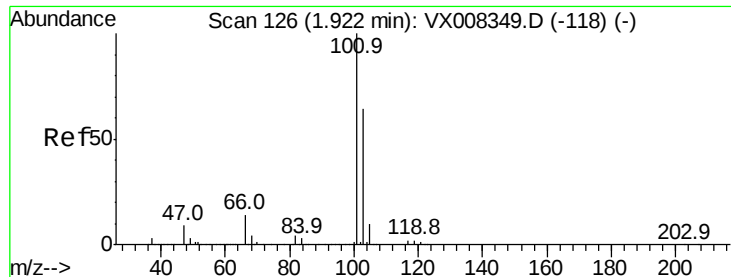
Tgt Ion: 64 Resp: 9966

Ion Ratio Lower Upper

64 100

66 32.4 25.2 37.8





#7

Trichlorofluoromethane

Concen: 5.091 ug/l

RT: 1.92 min Scan# 126

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 20118

Ion Ratio Lower Upper

101 100

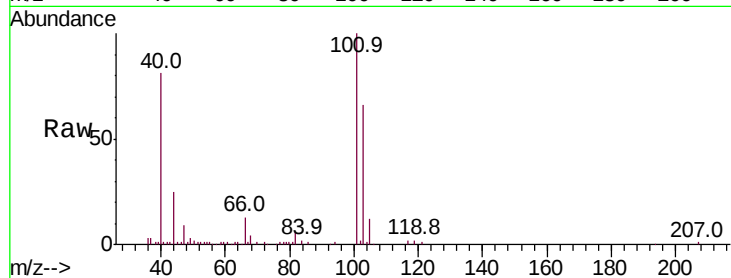
103 65.9 50.4 75.6

Manual Integrations

APPROVED

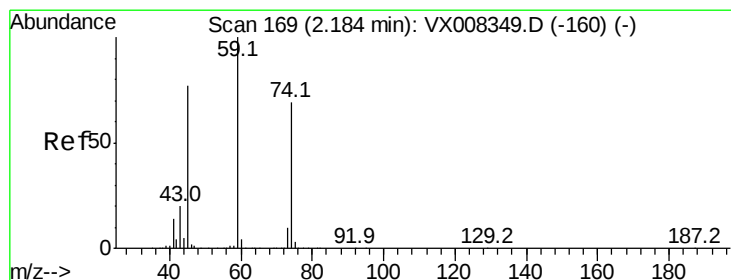
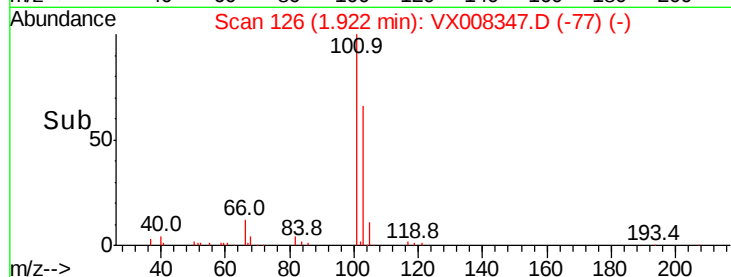
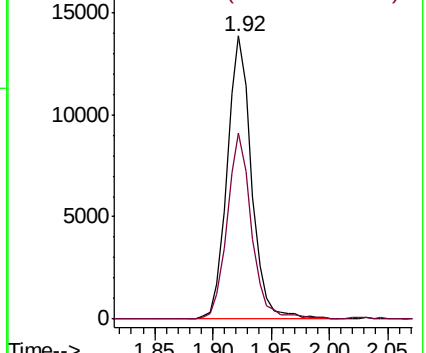
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 4.759 ug/l

RT: 2.18 min Scan# 169

Delta R.T. 0.00 min

Lab File: VX008347.D

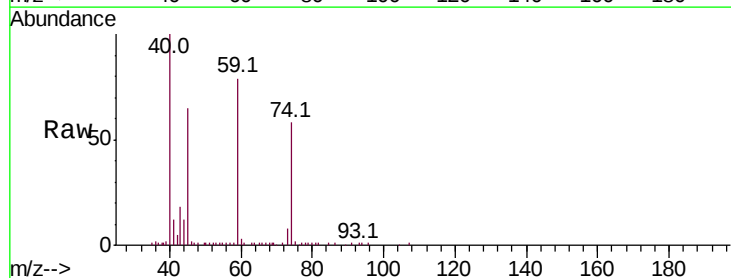
Acq: 23 Mar 2019 13:32

Tgt Ion: 74 Resp: 9677

Ion Ratio Lower Upper

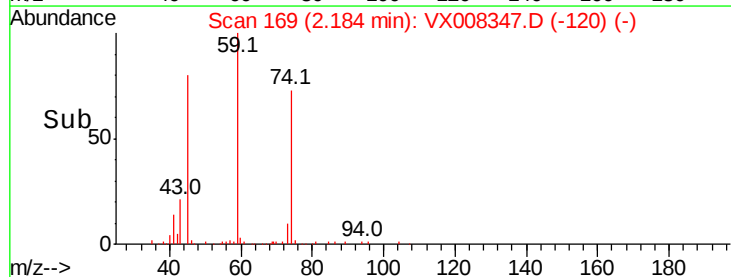
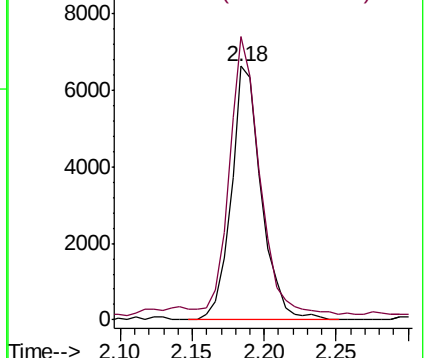
74 100

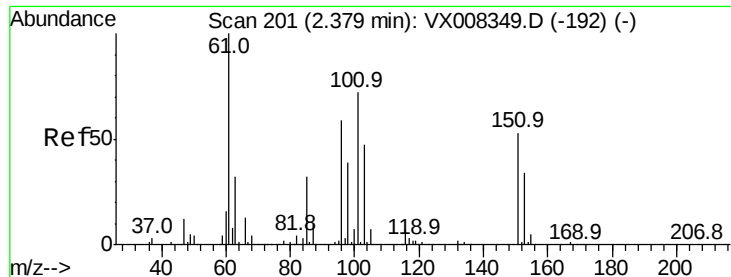
45 110.0 52.1 156.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.558 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

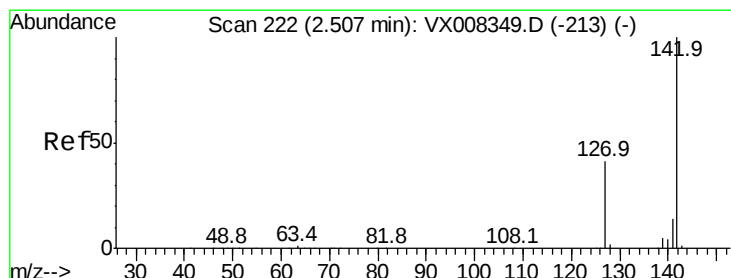
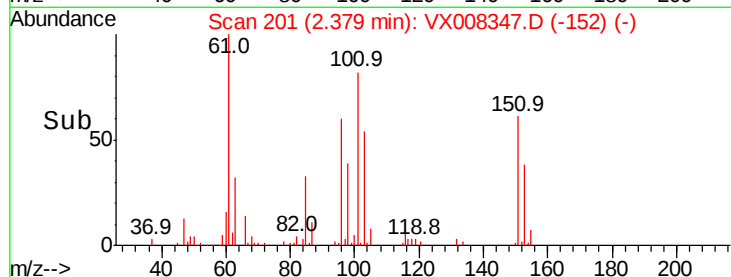
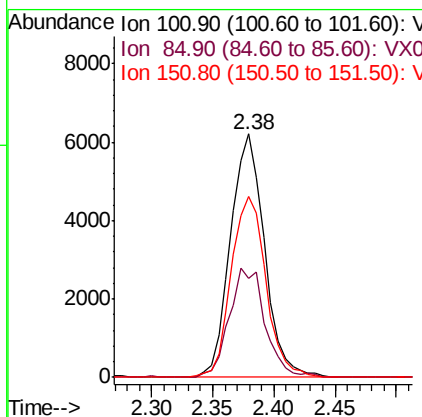
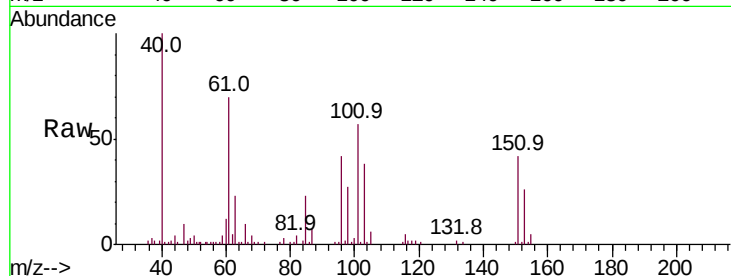
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	11961
Ion Ratio	Lower	Upper	
101	100		
85	47.1	33.8	50.6
151	75.8	69.1	103.7

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#10

Methyl Iodide

Concen: 4.098 ug/l

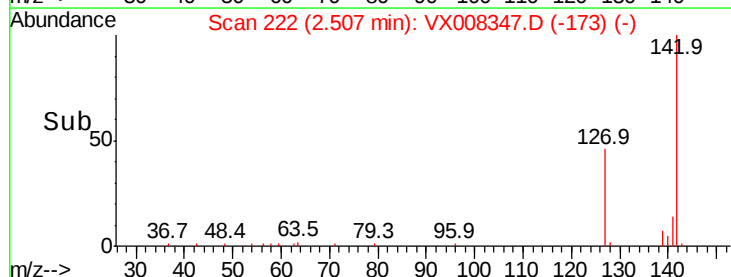
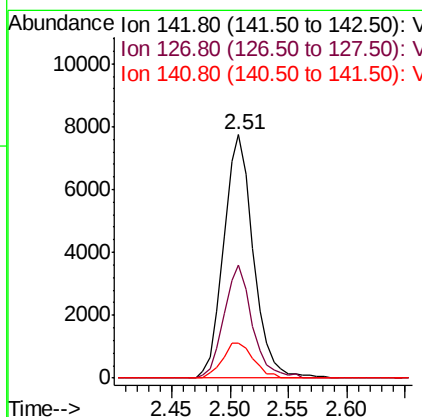
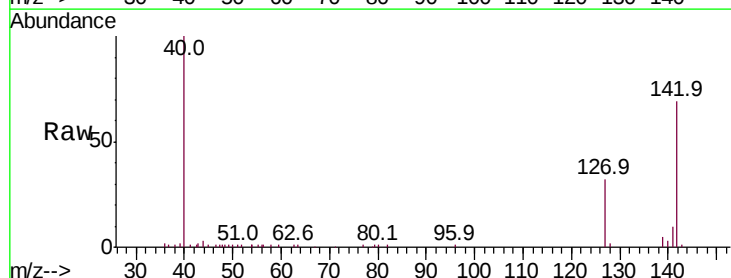
RT: 2.51 min Scan# 222

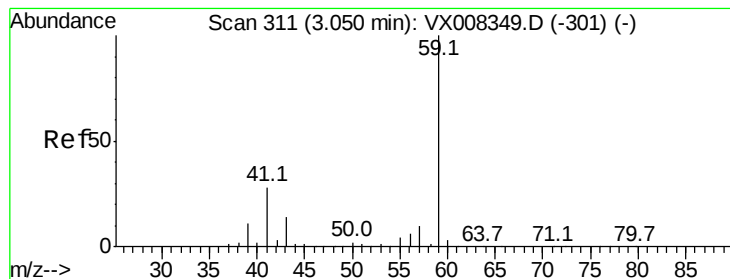
Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Tgt Ion:	142	Resp:	13691
Ion Ratio	Lower	Upper	
142	100		
127	44.3	32.1	48.1
141	15.0	11.4	17.2





#11

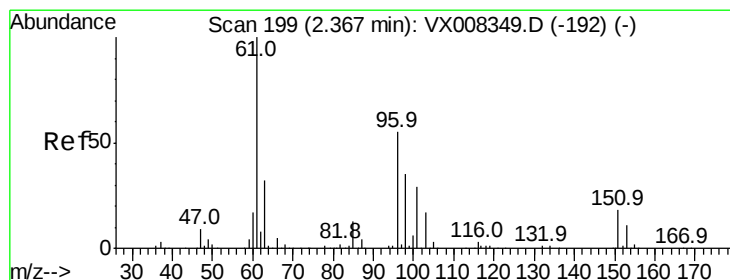
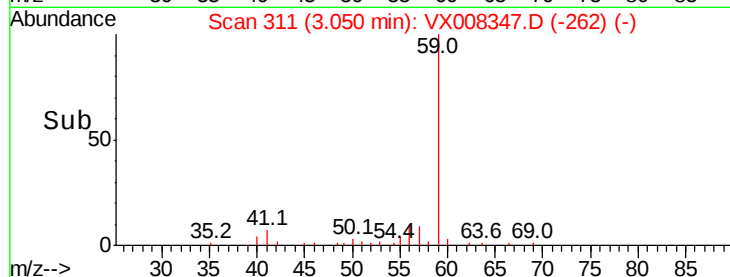
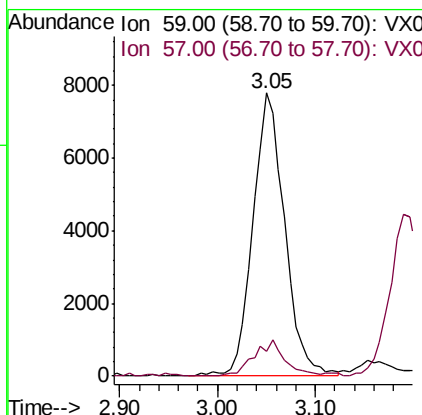
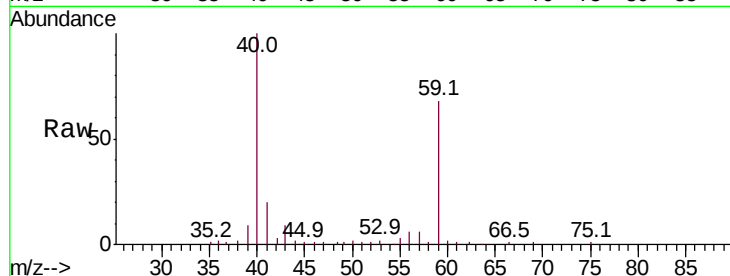
Tert butyl alcohol
Concen: 26.703 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.5	8.2	12.2#

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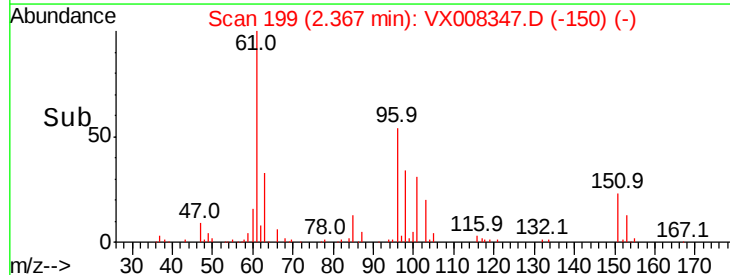
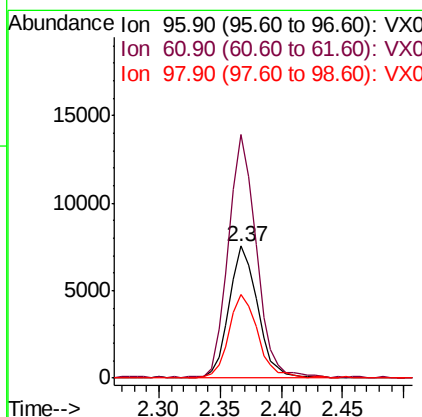
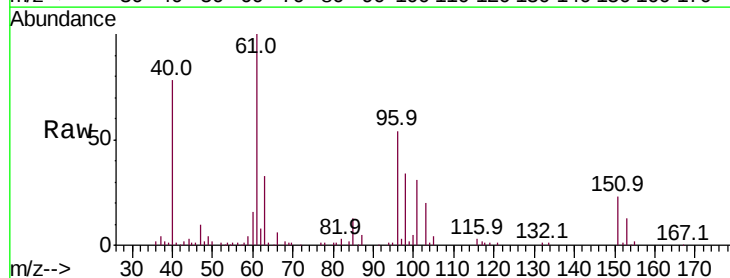
MMDadoda
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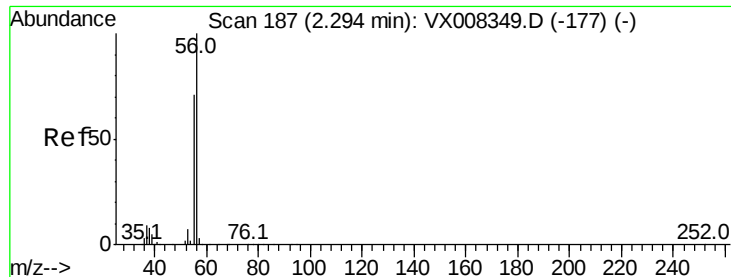


#12

1,1-Dichloroethene
Concen: 4.951 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.5	129.8	194.6
98	63.3	51.0	76.6





#13

Acrolein

Concen: 32.592 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 16352

Ion Ratio Lower Upper

56 100

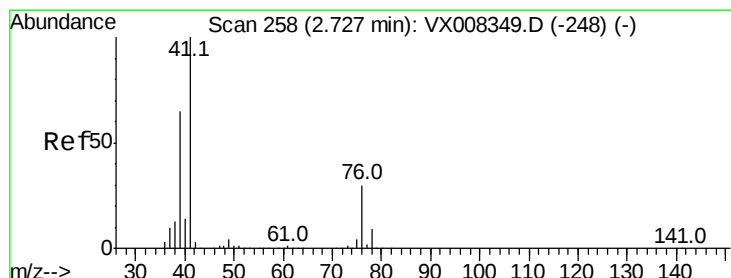
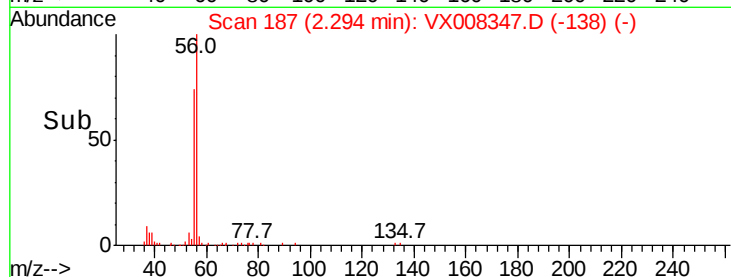
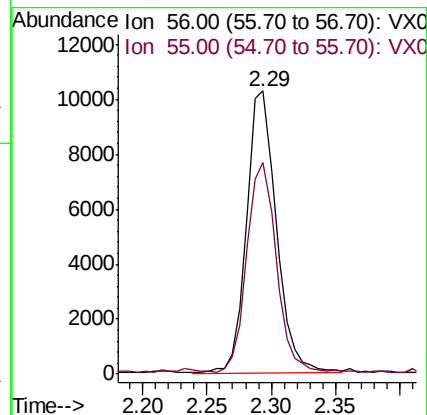
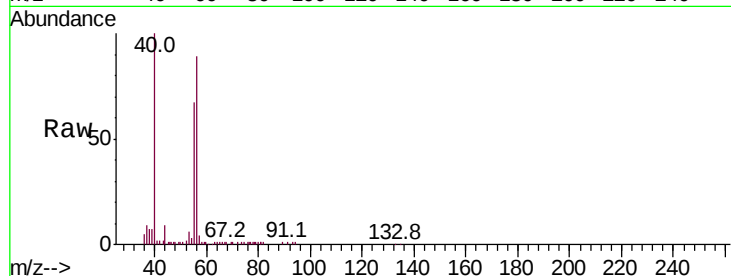
55 73.4 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 4.787 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

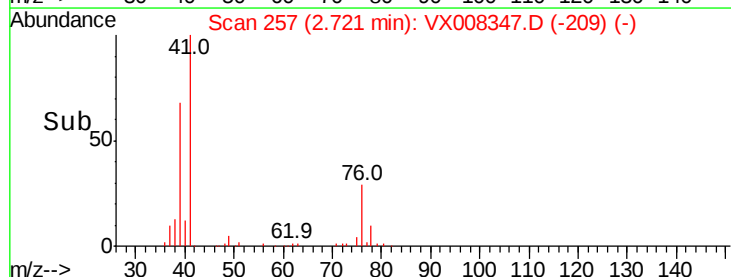
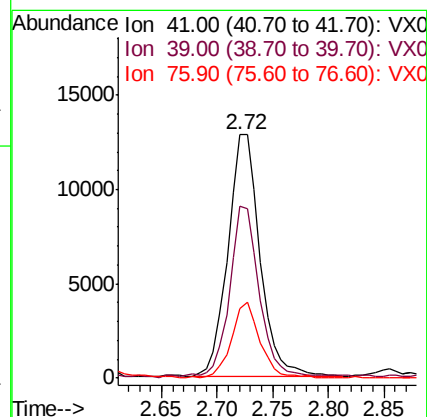
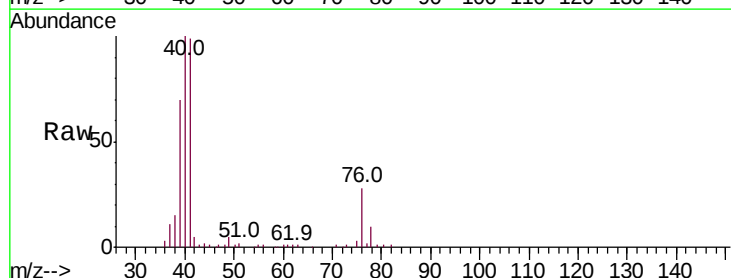
Tgt Ion: 41 Resp: 25814

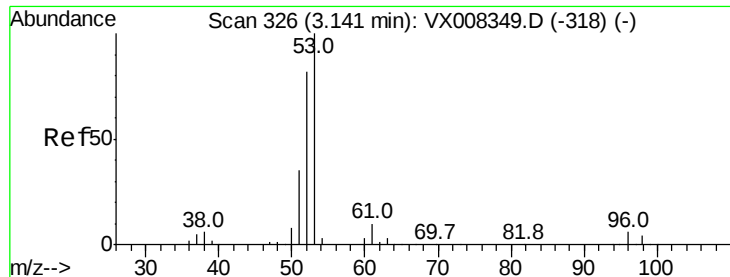
Ion Ratio Lower Upper

41 100

39 67.5 46.1 69.1

76 27.8 24.0 36.0





#15

Acrylonitrile

Concen: 26.383 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

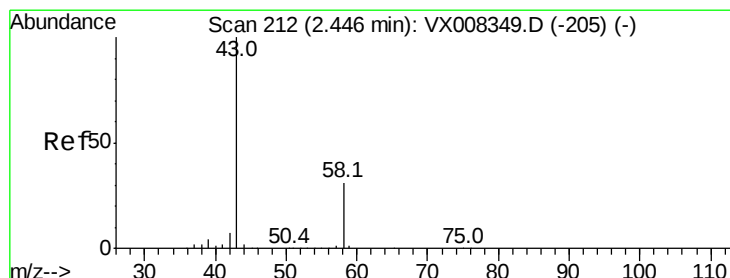
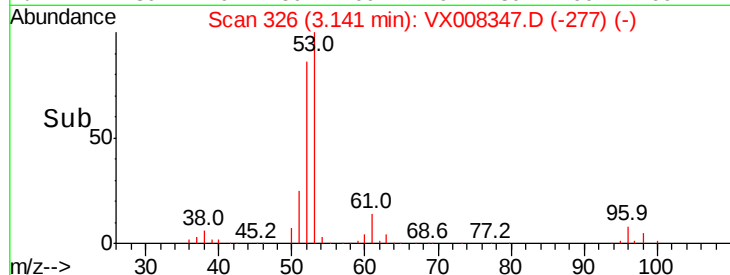
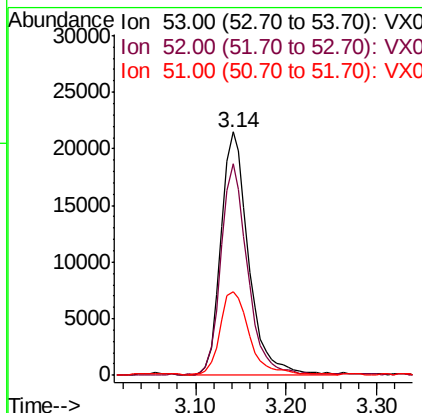
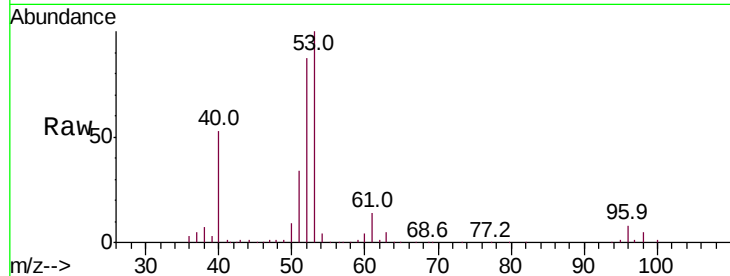
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	45935
Ion	Ratio	Lower	Upper
53	100		
52	84.9	66.0	99.0
51	35.7	28.0	42.0

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#16

Acetone

Concen: 21.820 ug/l

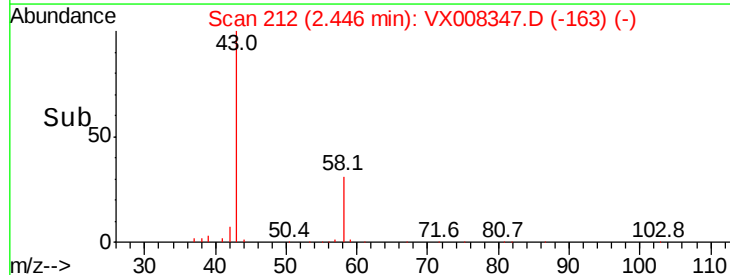
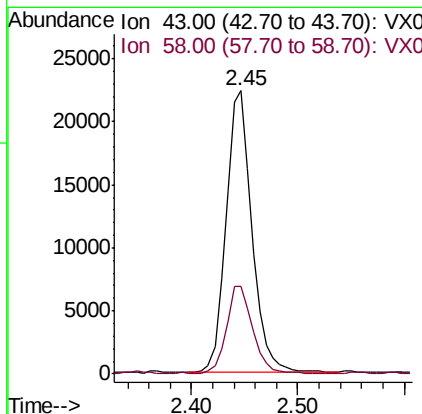
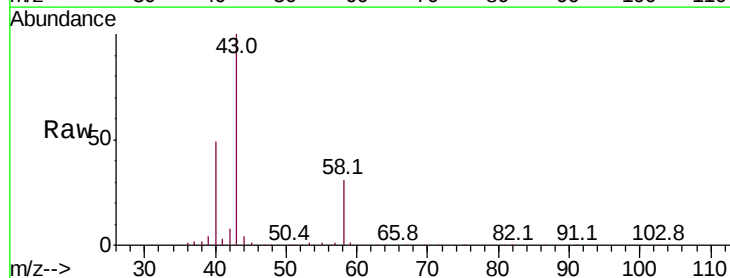
RT: 2.45 min Scan# 212

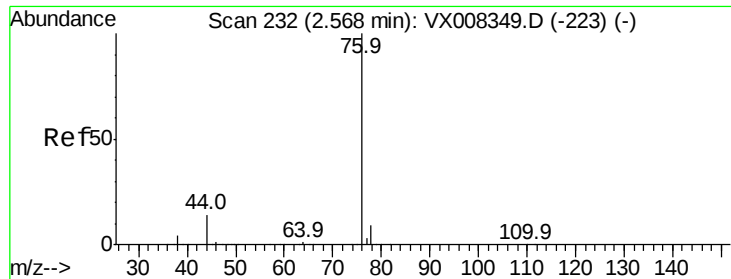
Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Tgt Ion:	43	Resp:	38053
Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.5	38.3





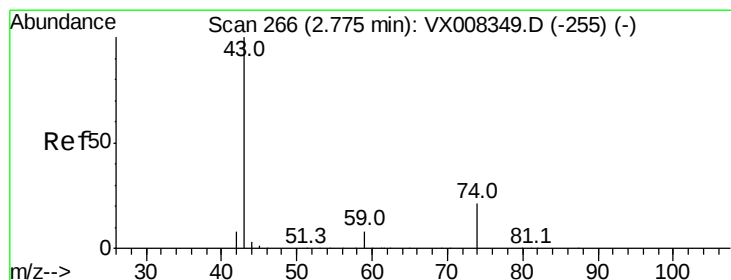
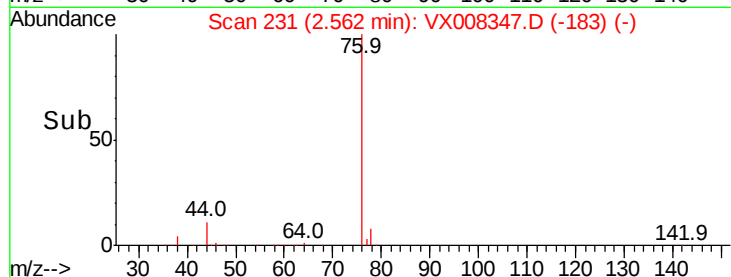
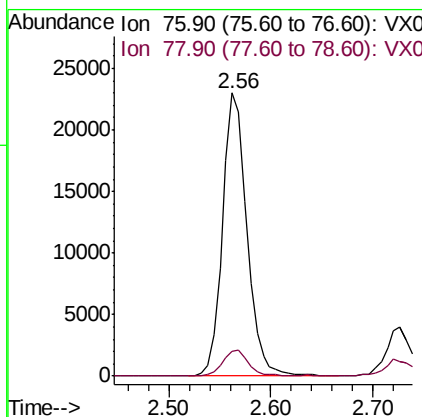
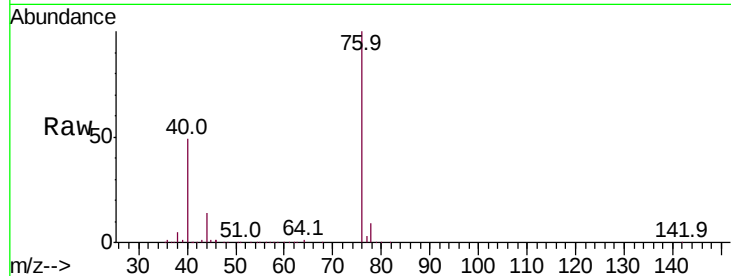
#17
Carbon Disulfide
Concen: 4.797 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 38319
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8

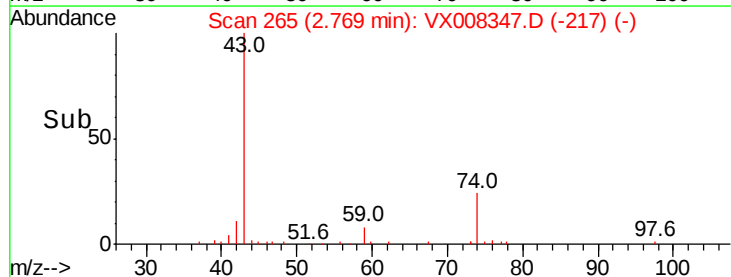
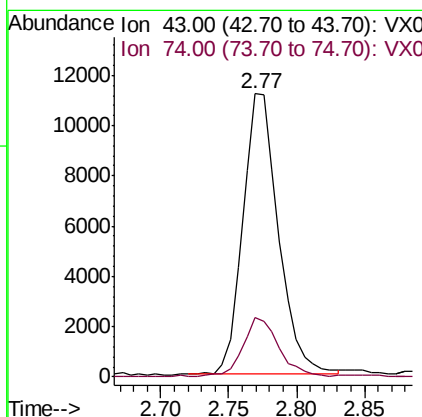
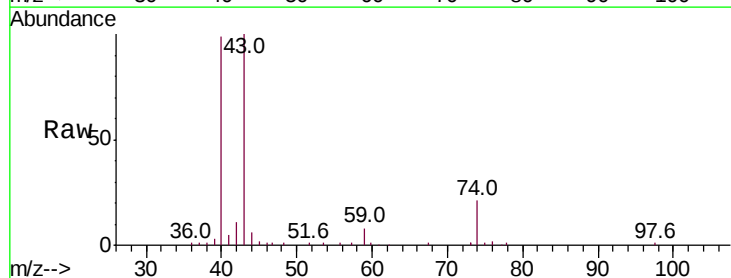
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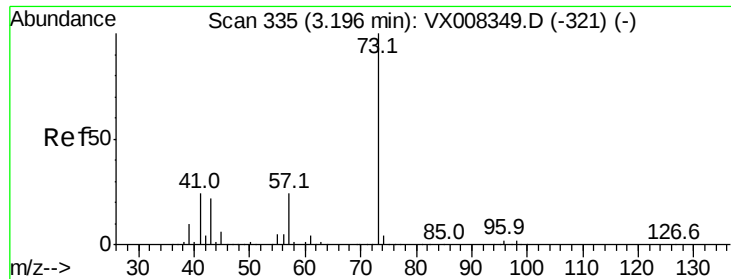
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#18
Methyl Acetate
Concen: 5.071 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion: 43 Resp: 20473
Ion Ratio Lower Upper
43 100
74 21.4 17.8 26.6





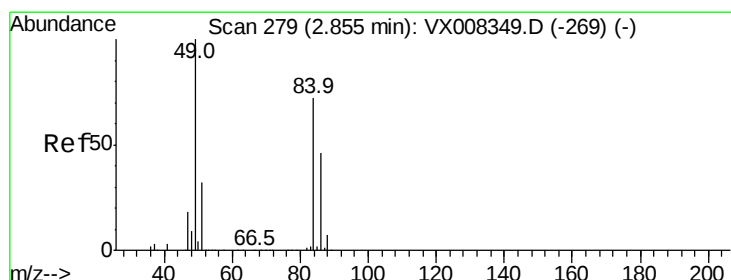
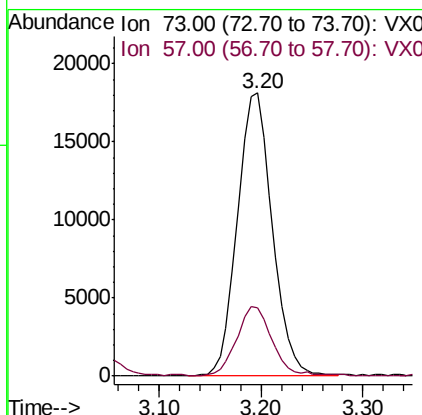
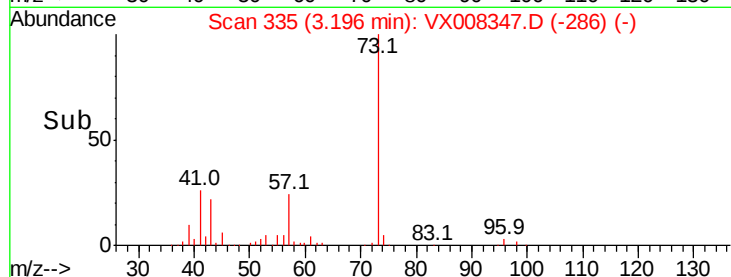
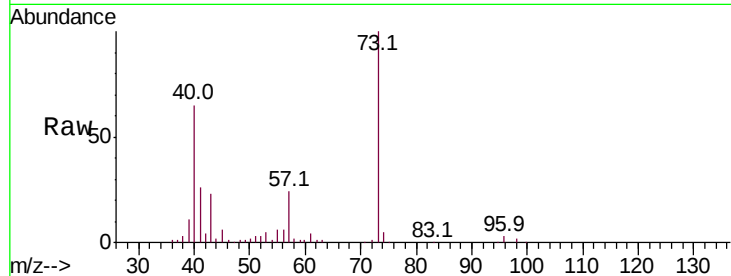
#19
Methvl tert-butvl Ether
Concen: 4.818 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 43158
Ion Ratio Lower Upper
73 100
57 24.2 18.2 27.4

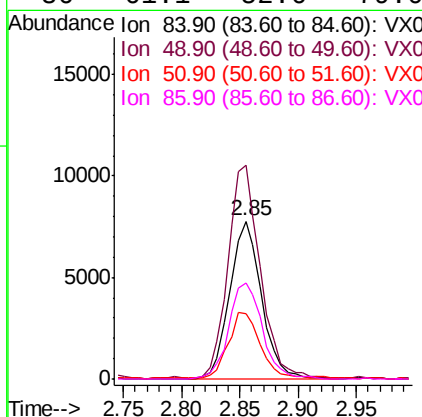
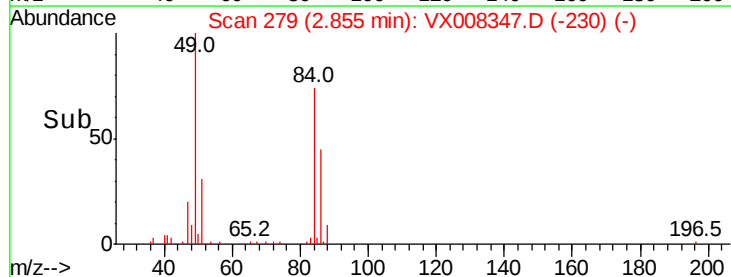
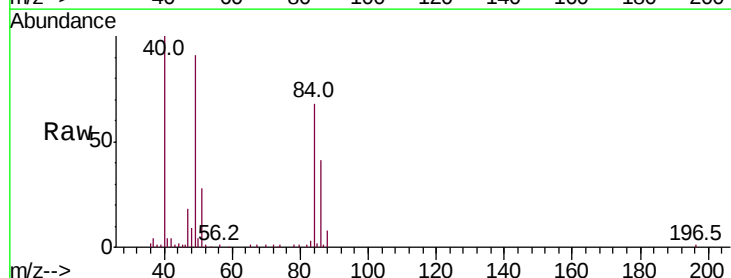
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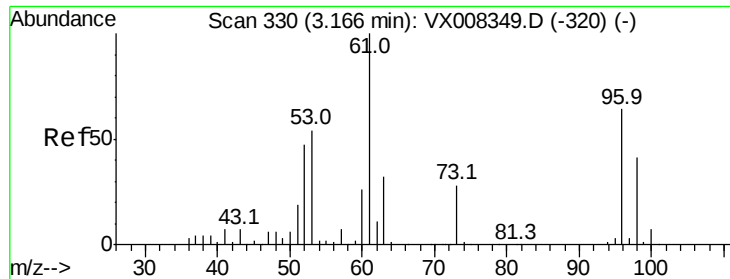
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#20
Methylene Chloride
Concen: 5.090 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion: 84 Resp: 14801
Ion Ratio Lower Upper
84 100
49 135.2 99.3 148.9
51 40.9 31.3 46.9
86 61.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 4.875 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 96 Resp: 13045

Ion Ratio Lower Upper

96 100

61 171.1 114.4 171.6

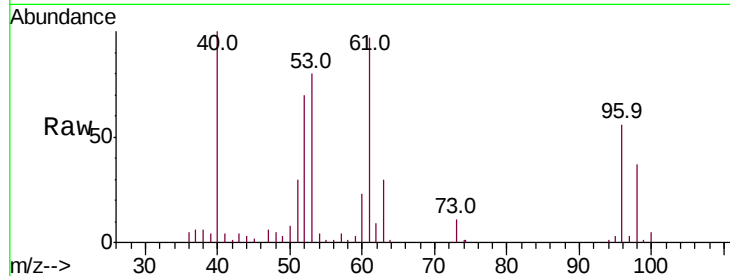
98 66.2 51.1 76.7

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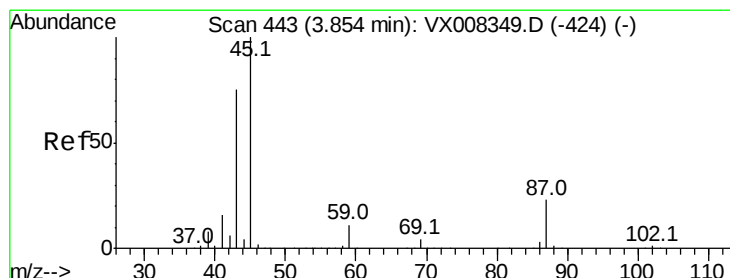
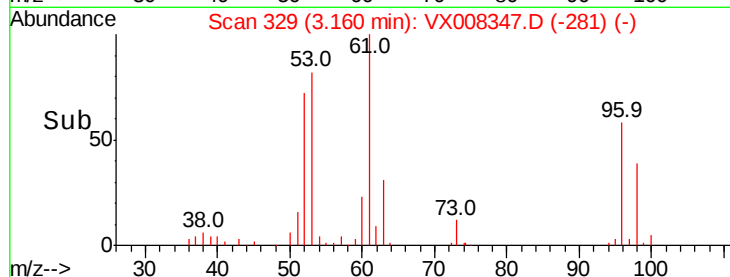
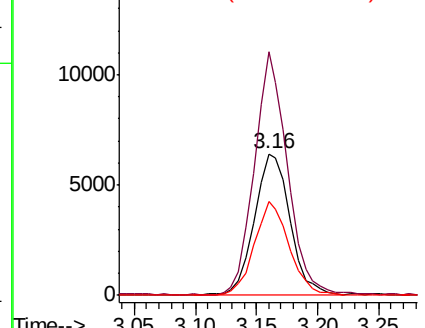
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 5.022 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Tgt Ion: 45 Resp: 53039

Ion Ratio Lower Upper

45 100

43 75.0 45.3 67.9#

87 23.6 21.4 32.0

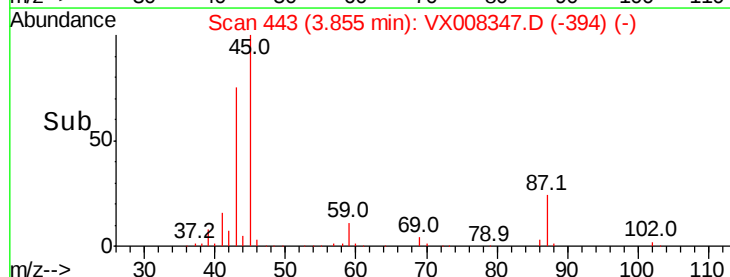
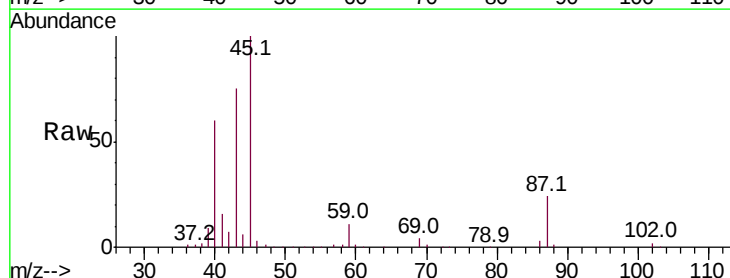
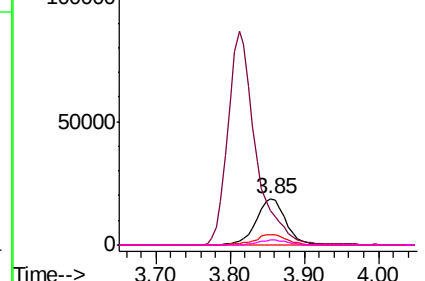
59 11.3 9.5 14.3

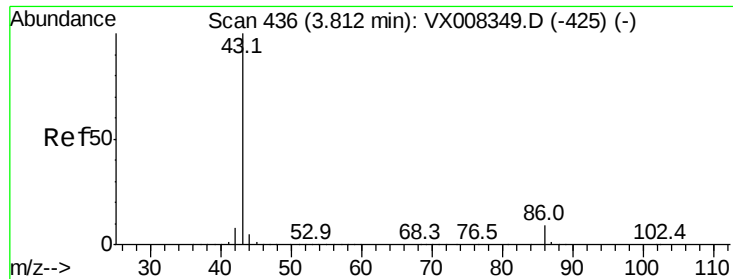
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 24.965 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 226057

Ion Ratio Lower Upper

43 100

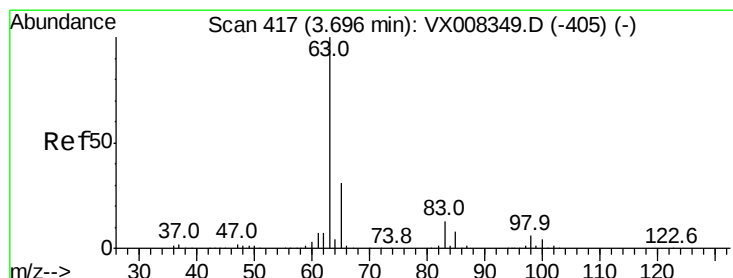
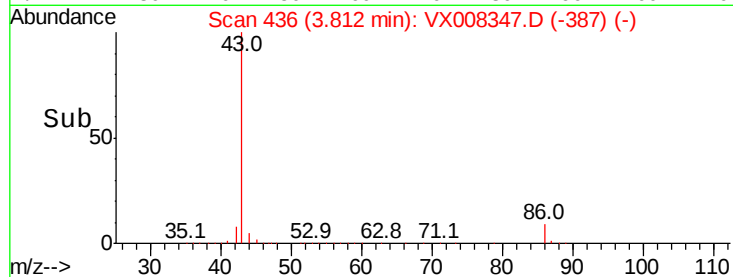
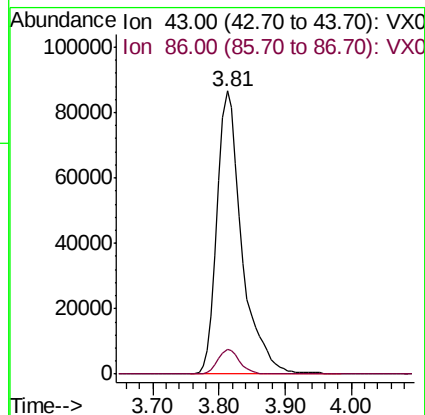
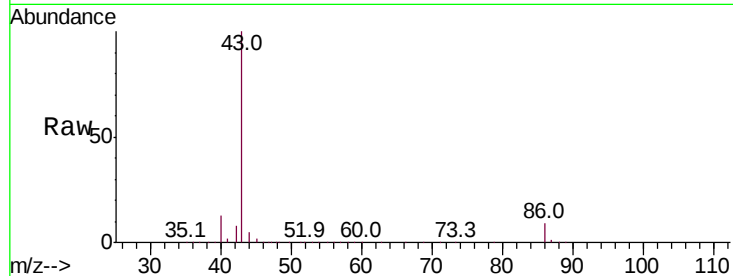
86 8.8 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 4.968 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

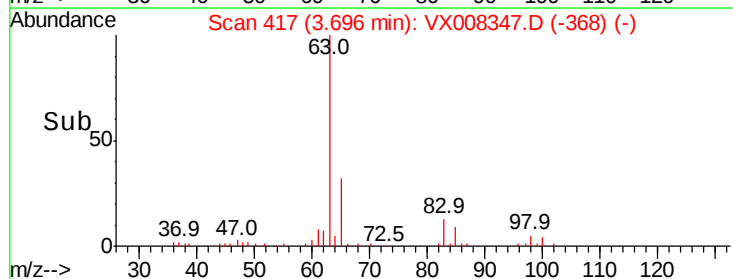
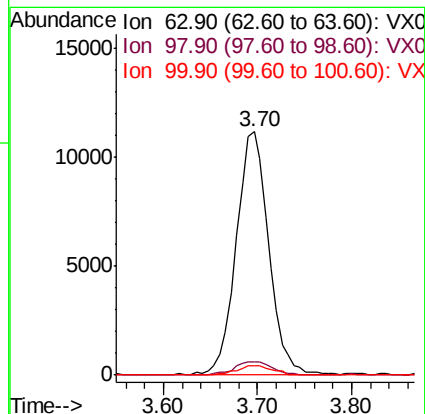
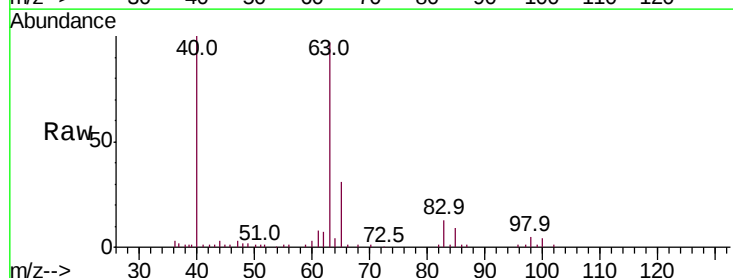
Tgt Ion: 63 Resp: 26987

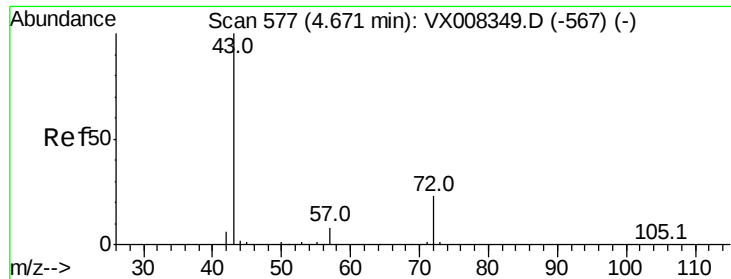
Ion Ratio Lower Upper

63 100

98 5.2 3.3 9.8

100 4.0 2.3 6.8





#25

2-Butanone

Concen: 24.922 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 64156

Ion Ratio Lower Upper

43 100

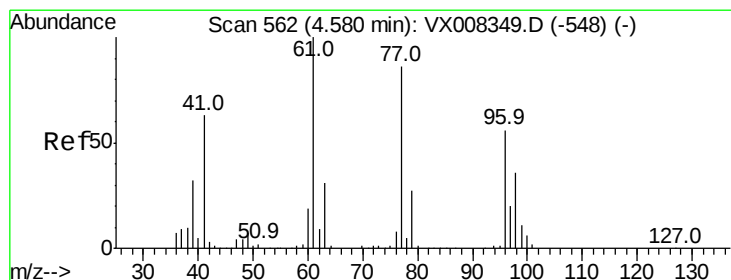
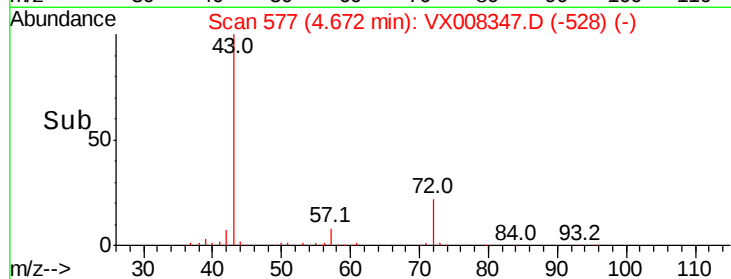
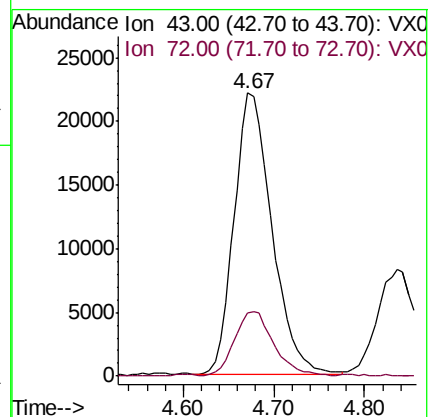
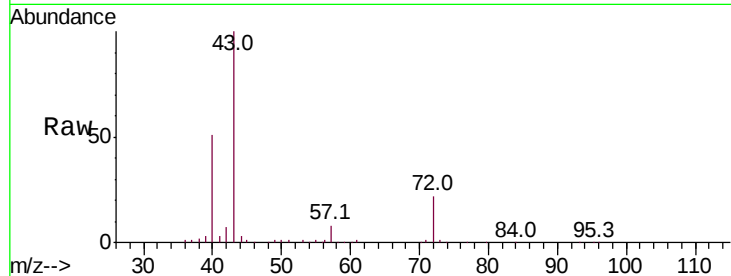
72 21.9 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.065 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX008347.D

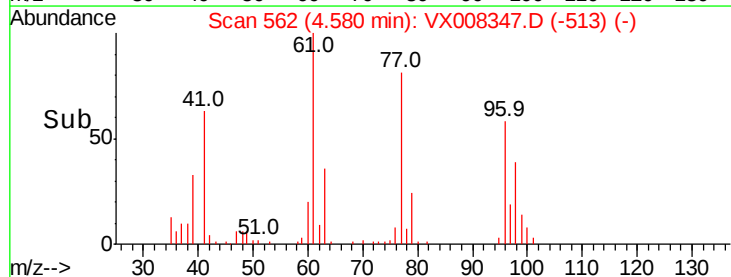
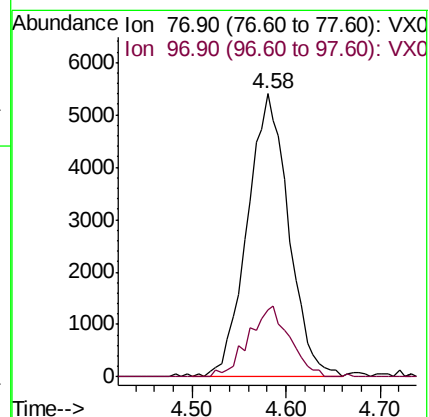
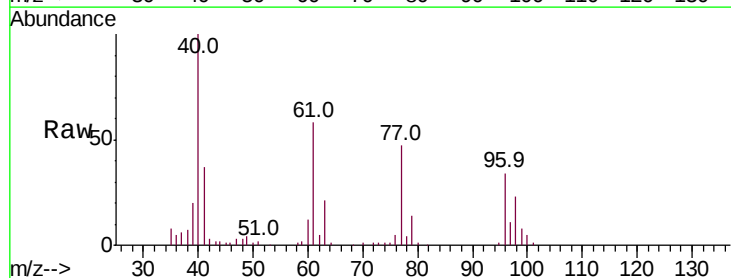
Acq: 23 Mar 2019 13:32

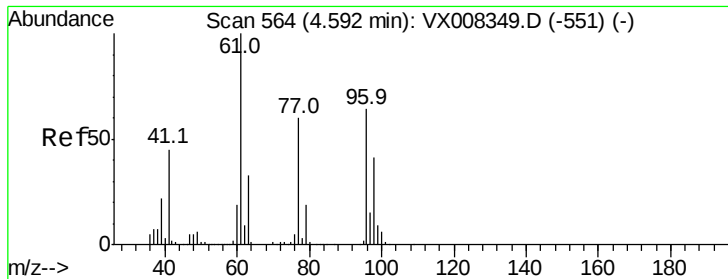
Tgt Ion: 77 Resp: 16636

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6





#27

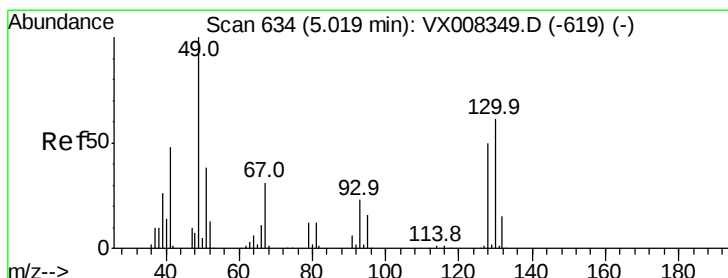
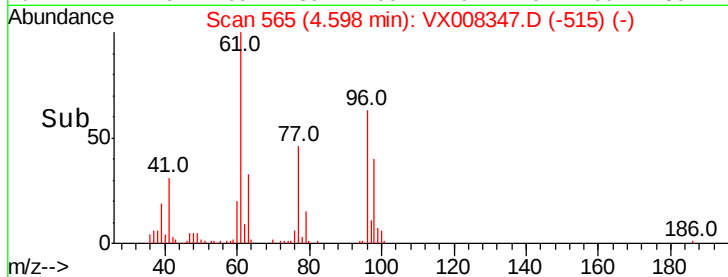
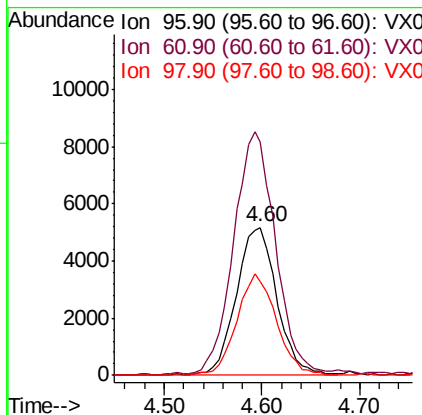
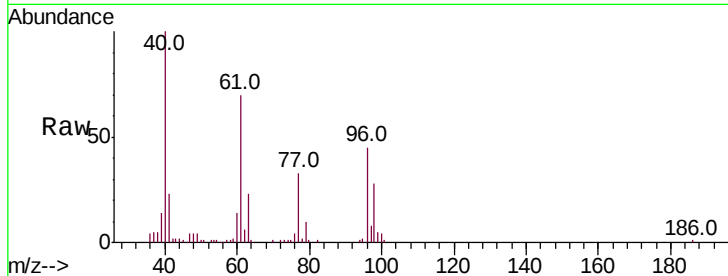
cis-1,2-Dichloroethene
Concen: 4.887 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.4	0.0	288.0
98	66.6	0.0	129.0

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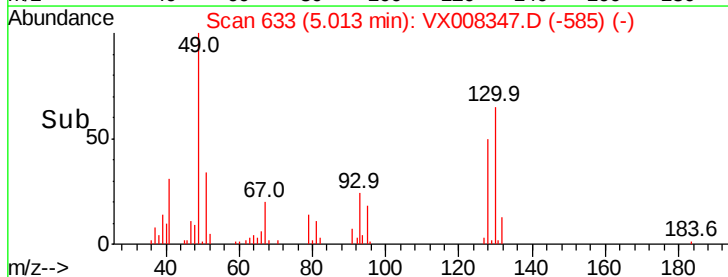
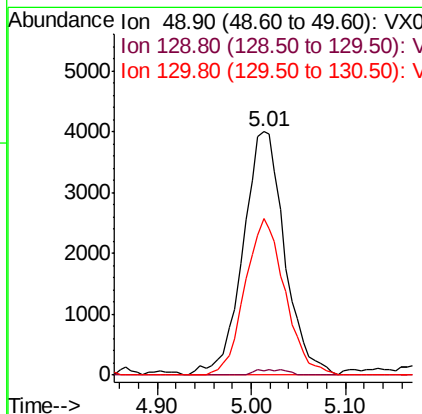
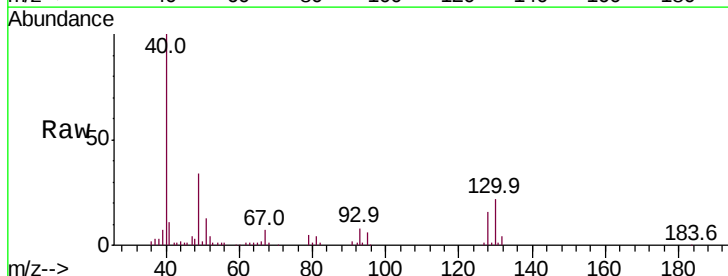
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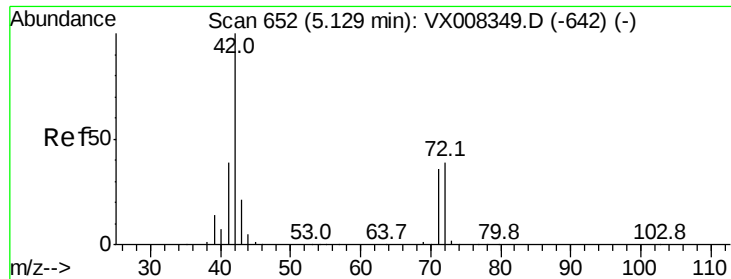


#28

Bromochloromethane
Concen: 5.076 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	61.9	65.0	97.4#





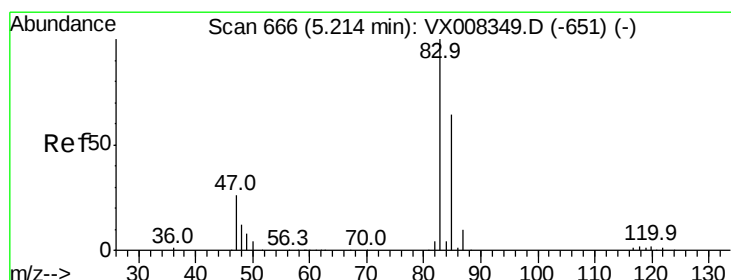
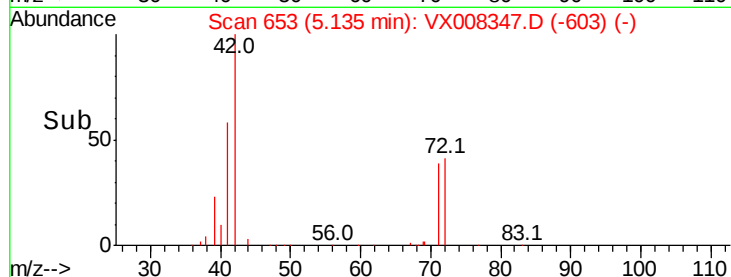
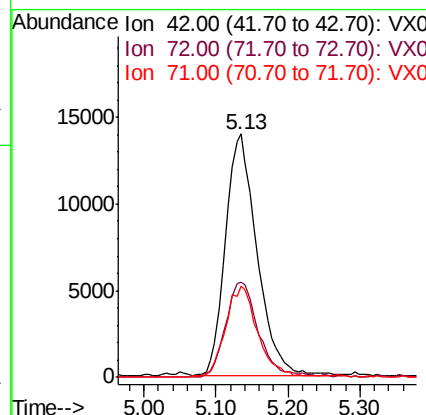
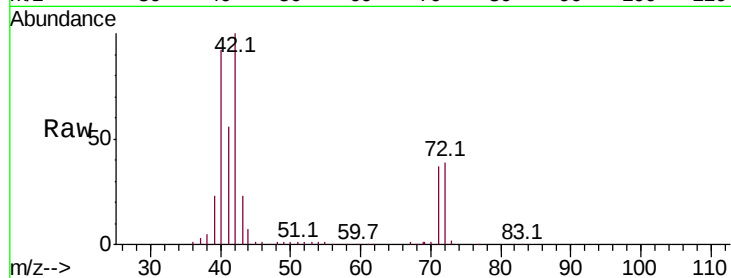
#29
Tetrahydrofuran
Concen: 26.335 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.8	50.6
71	38.7	31.5	47.3

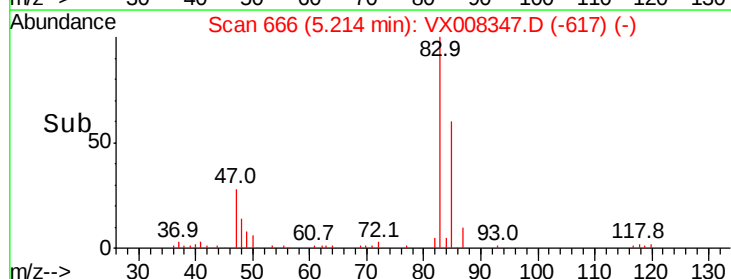
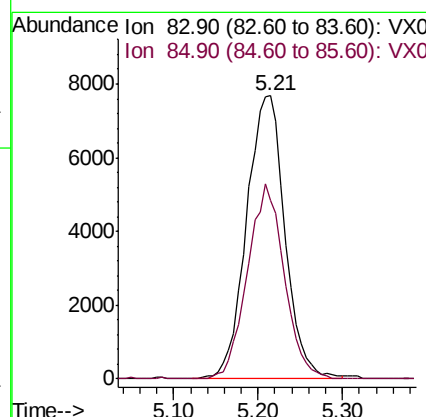
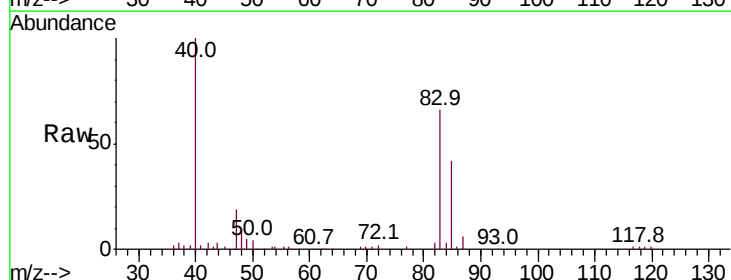
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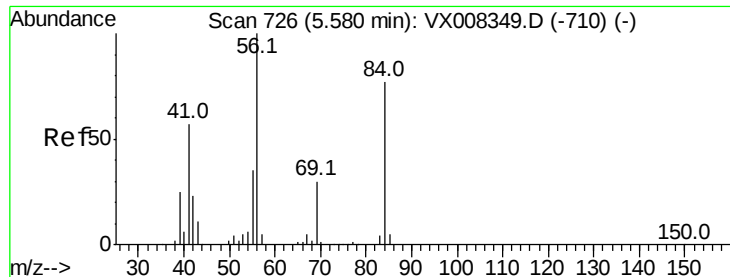
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#30
Chloroform
Concen: 4.690 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.6





#31

Cyclohexane

Concen: 5.064 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

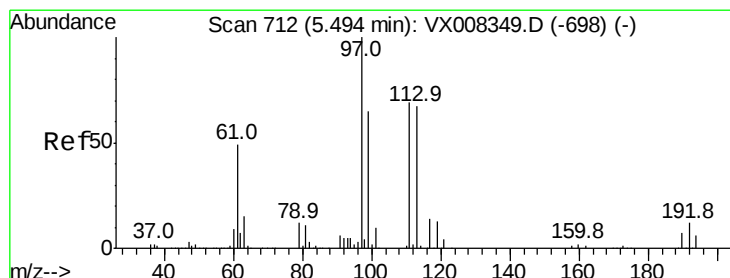
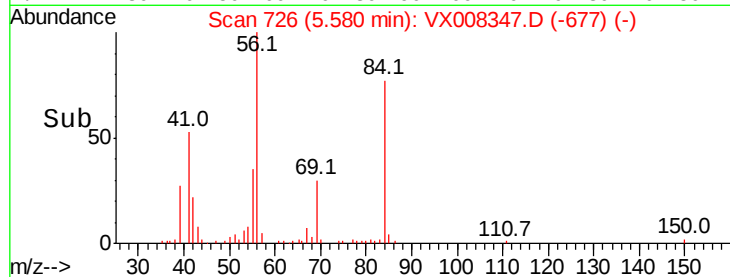
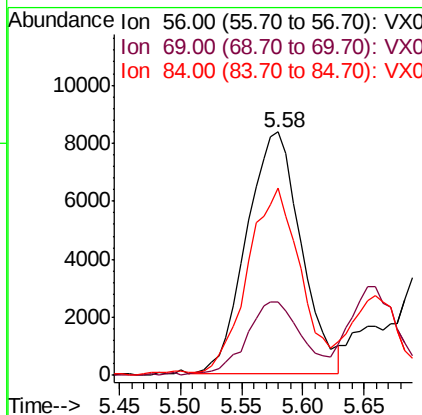
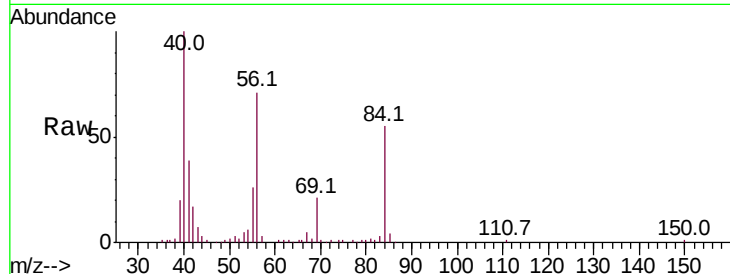
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	25830
Ion Ratio	Lower	Upper	
56	100		
69	29.2	24.0	36.0
84	76.4	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 4.323 ug/l

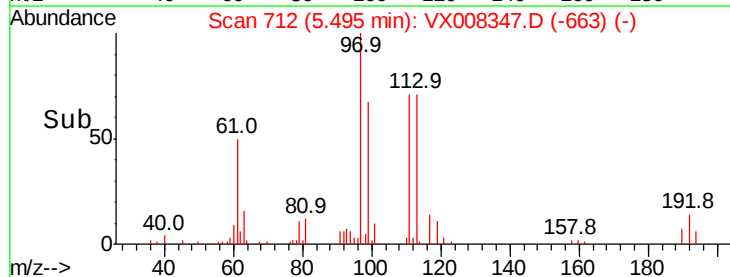
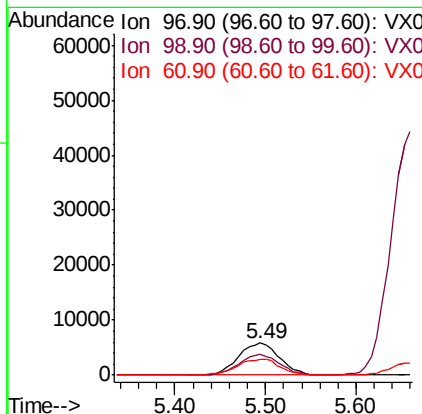
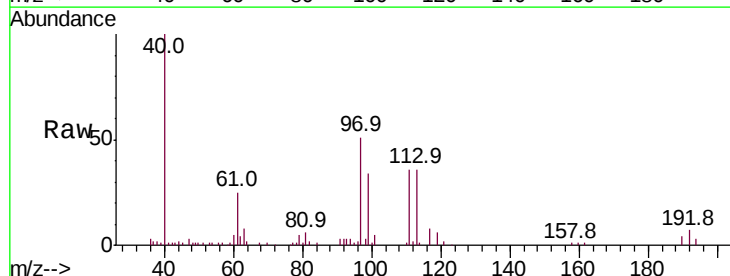
RT: 5.49 min Scan# 712

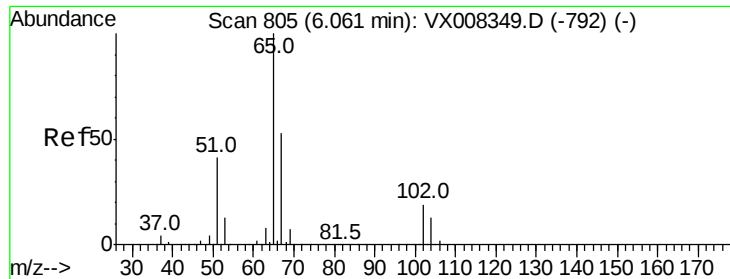
Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Tgt Ion:	97	Resp:	18272
Ion Ratio	Lower	Upper	
97	100		
99	64.4	52.2	78.2
61	53.1	34.9	52.3#





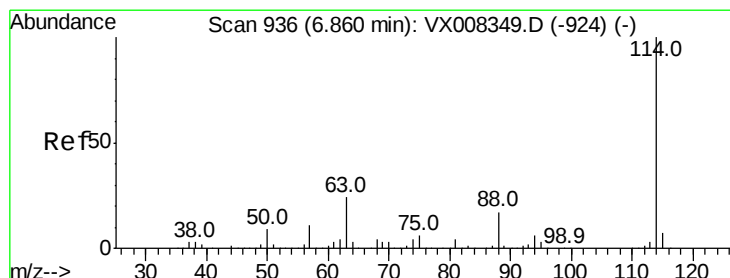
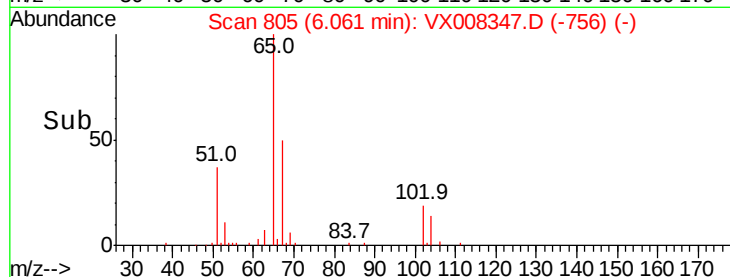
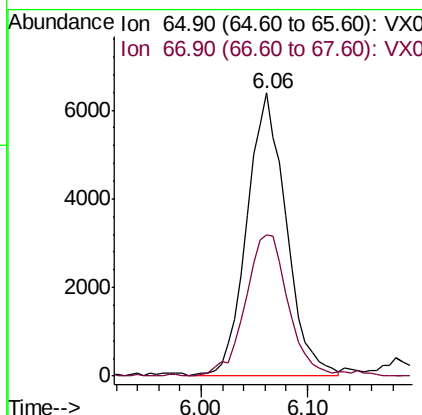
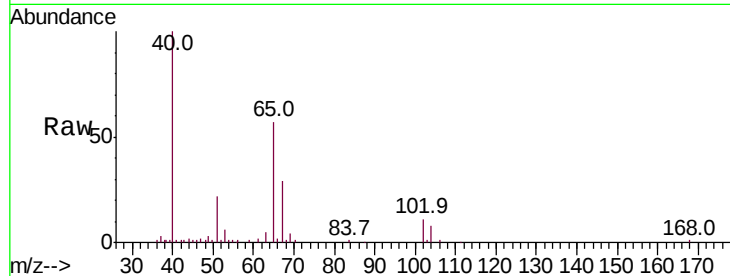
#33
 1,2-Dichloroethane-d4
 Concen: 5.385 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 16557
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.0

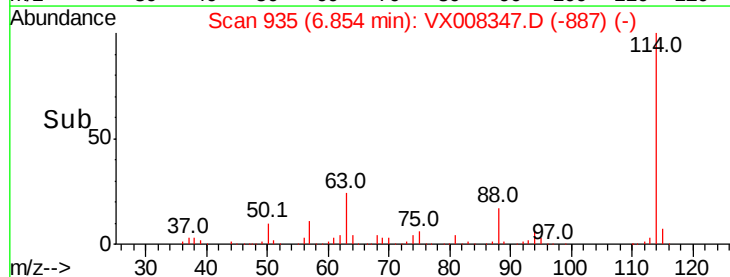
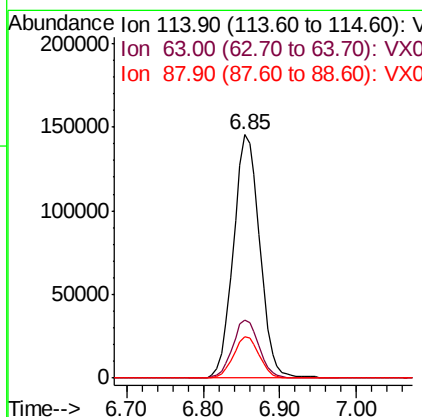
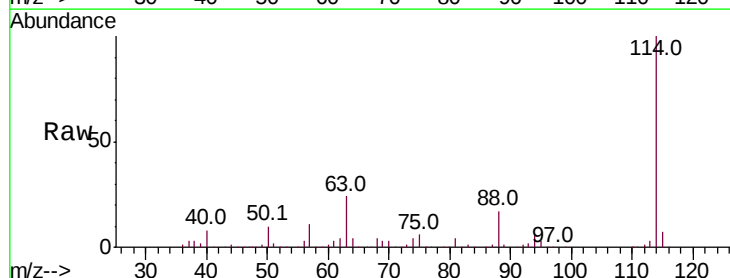
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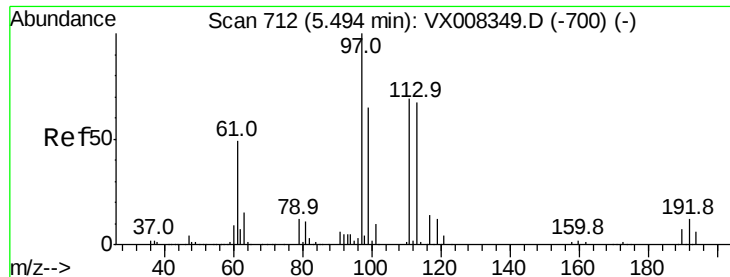
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Tgt Ion: 114 Resp: 347327
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 39.8
 88 17.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 4.995 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

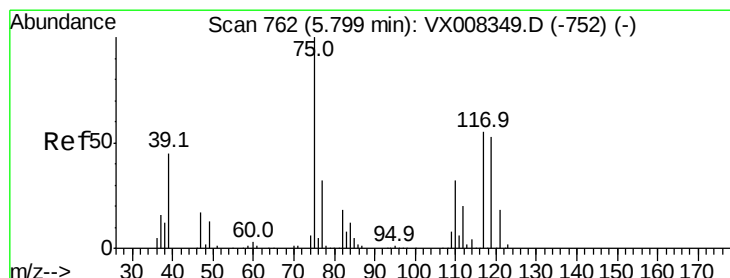
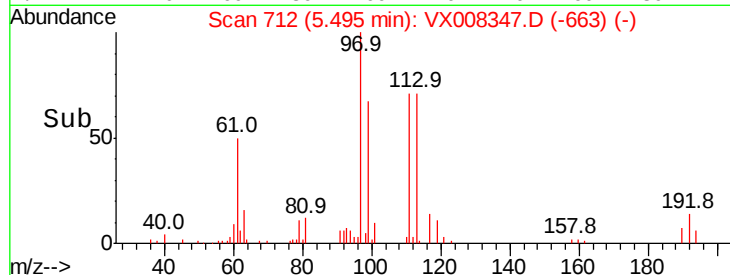
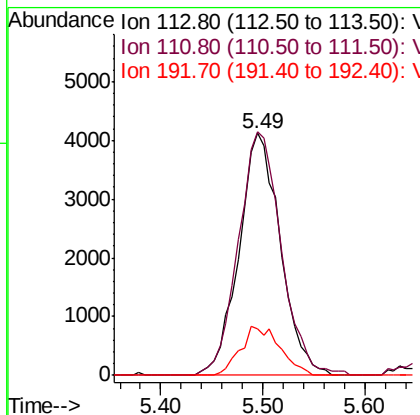
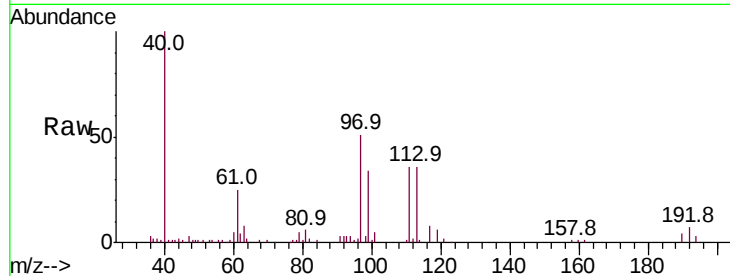
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	11614
Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.4	122.0
192	19.4	19.4	29.0

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#36

1,1-Dichloropropene

Concen: 4.714 ug/l

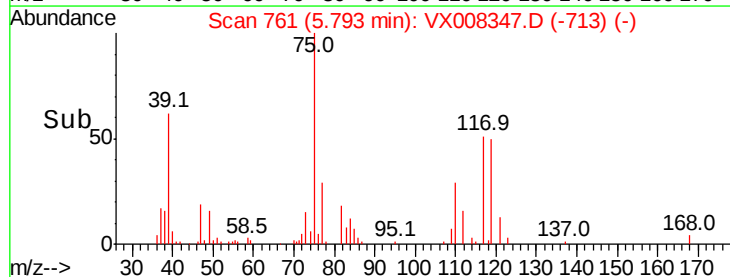
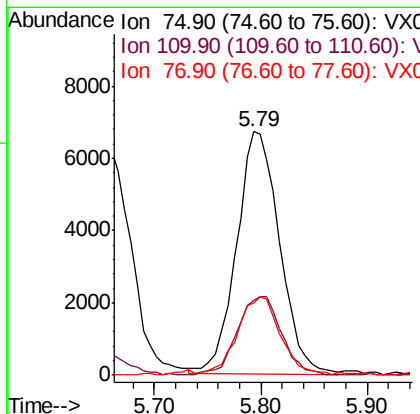
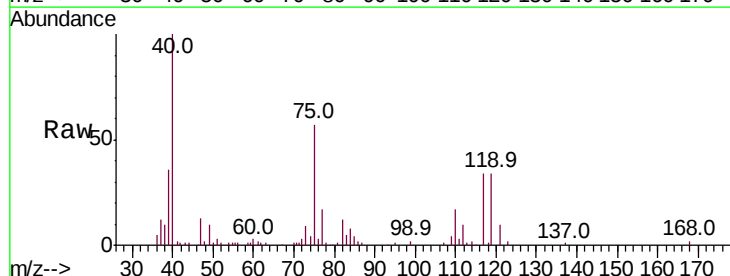
RT: 5.79 min Scan# 761

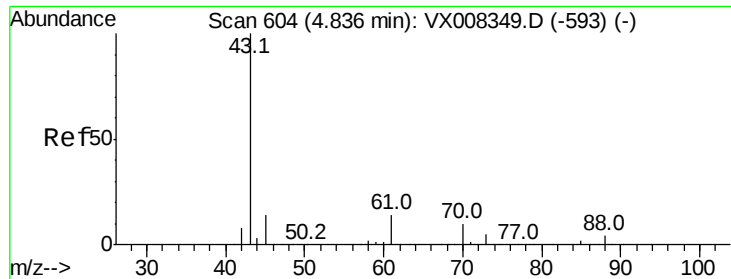
Delta R.T. -0.01 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Tgt Ion:	75	Resp:	19062
Ion	Ratio	Lower	Upper
75	100		
110	33.1	18.4	55.0
77	32.4	25.0	37.4





#37

Ethyl Acetate

Concen: 5.158 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX008347.D

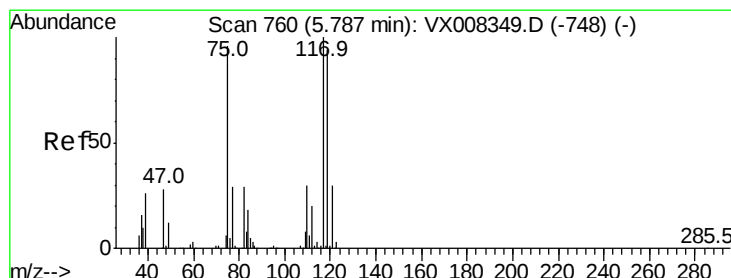
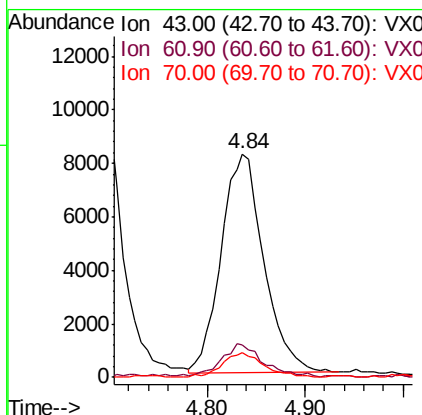
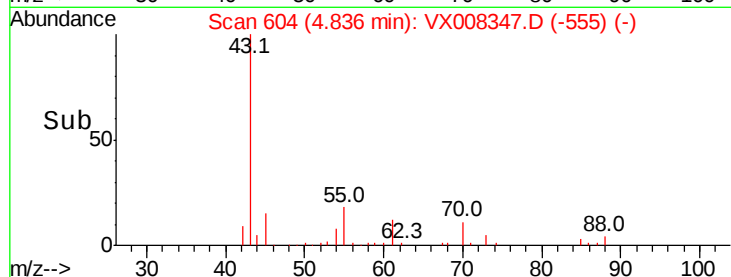
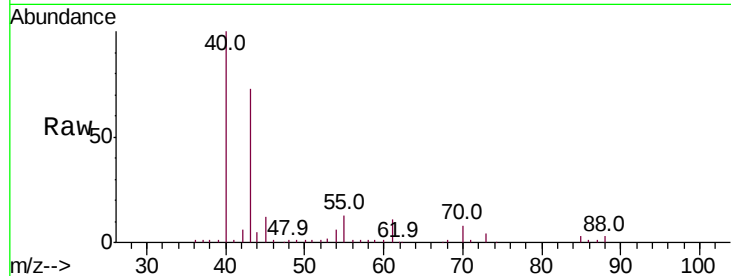
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	24655
Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.3	16.9
70	11.0	8.5	12.7

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#38

Carbon Tetrachloride

Concen: 4.237 ug/l

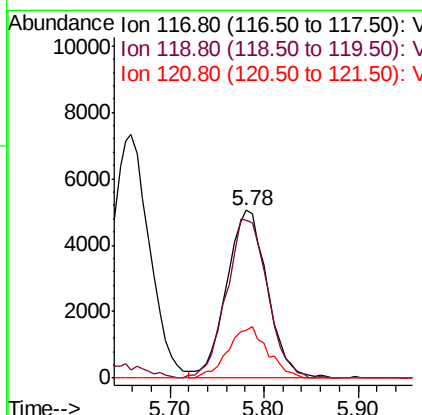
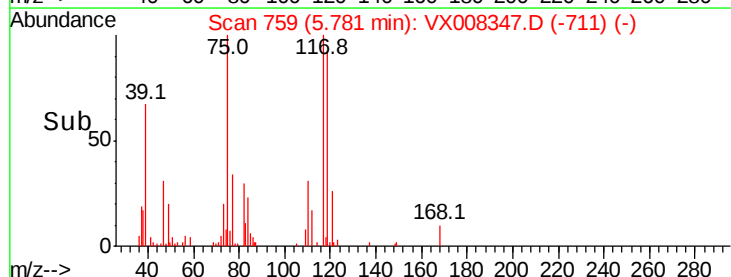
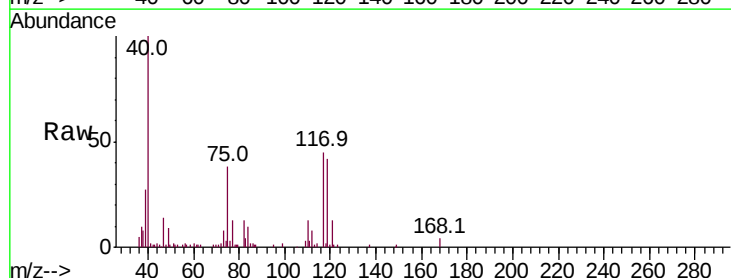
RT: 5.78 min Scan# 759

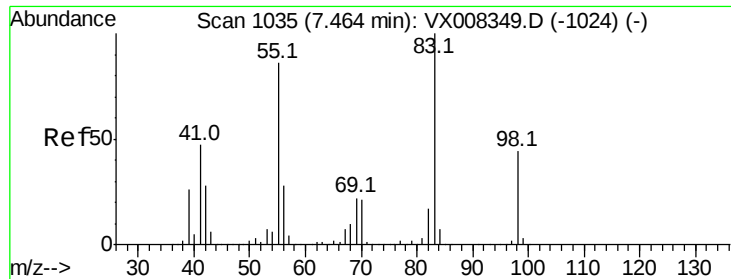
Delta R.T. -0.01 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Tgt Ion:	117	Resp:	15267
Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.2	114.2
121	28.3	24.6	36.8





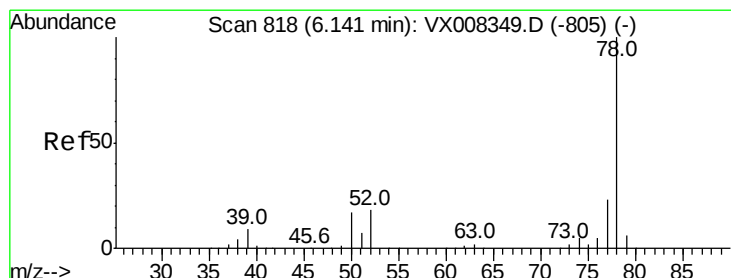
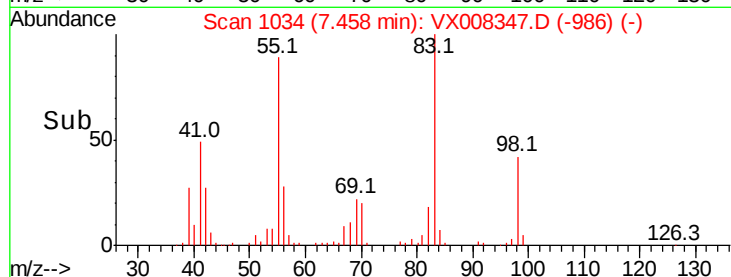
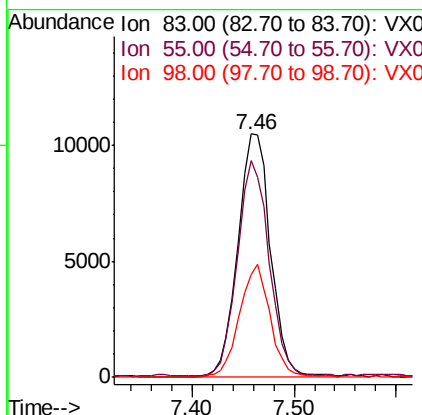
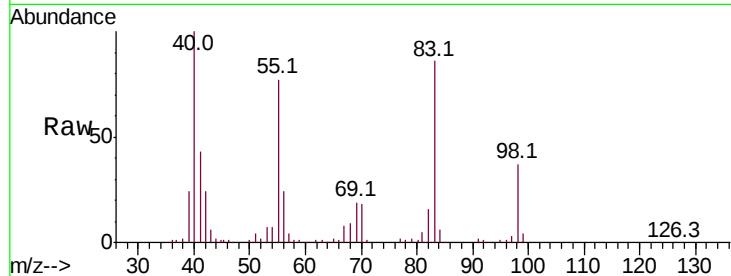
#39
Methylvlcvclohexane
Concen: 4.833 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.8	60.4	90.6
98	42.3	36.5	54.7

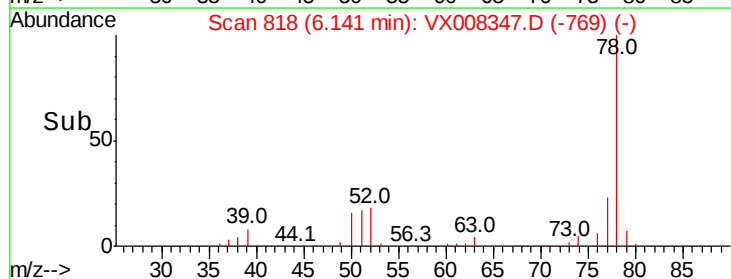
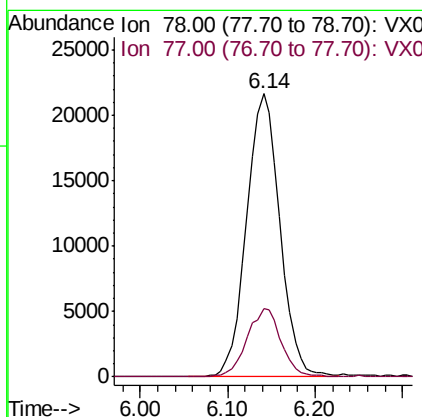
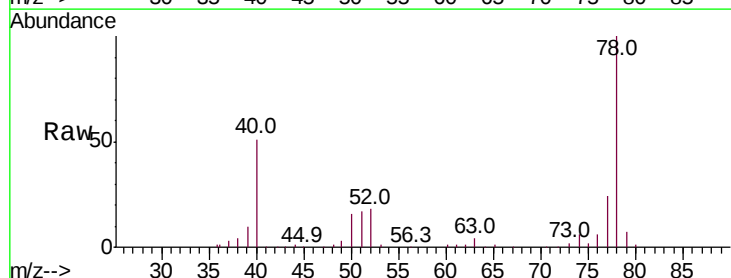
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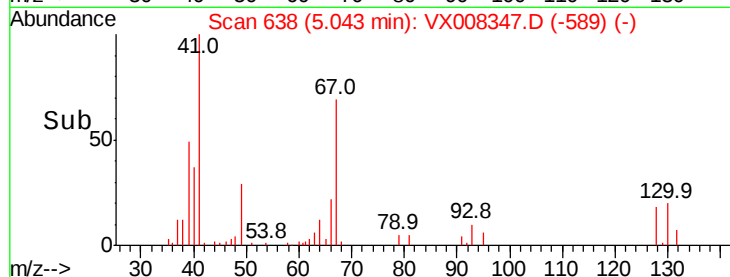
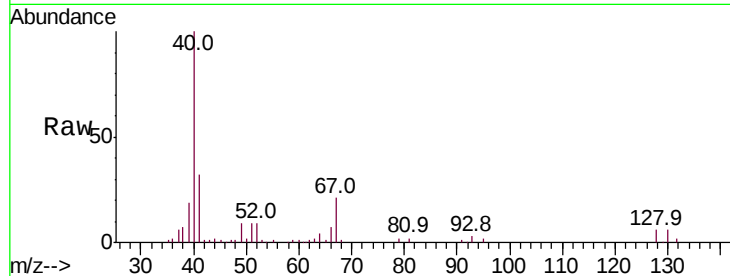
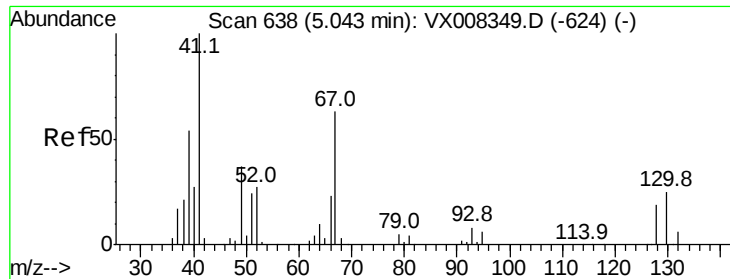
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#40
Benzene
Concen: 4.787 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





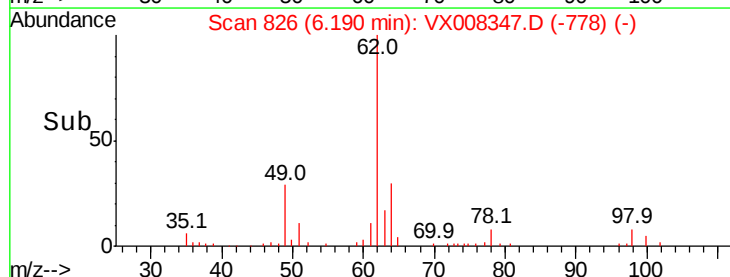
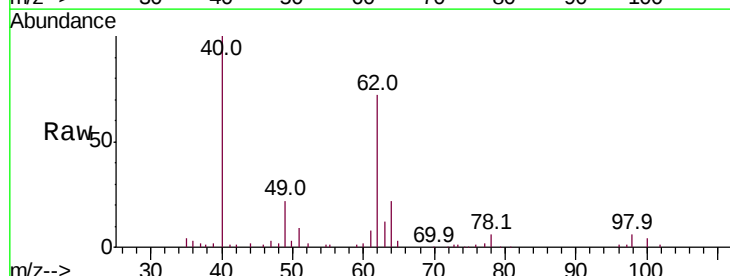
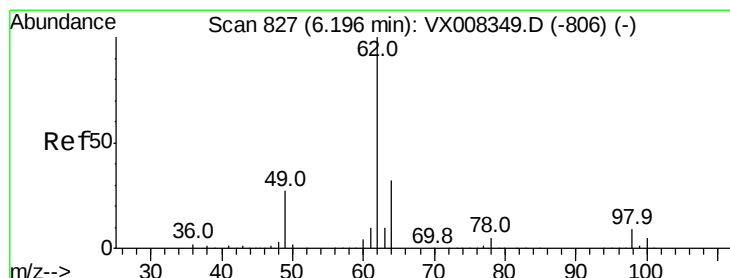
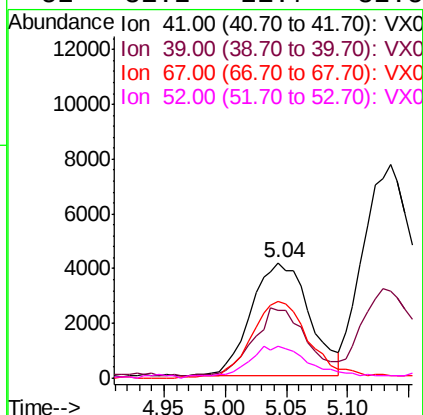
#41
Methacrylonitrile
Concen: 5.137 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	41.6	62.4	
67	69.6	55.8	83.6	
52	31.2	21.7	32.5	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

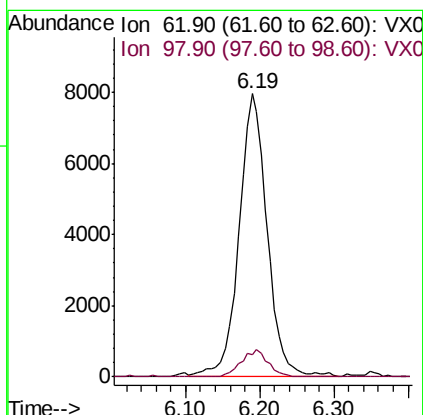
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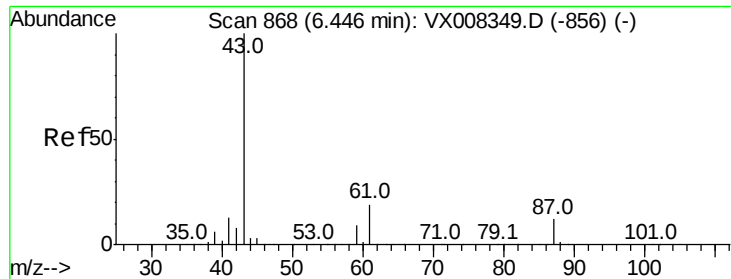
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#42
1,2-Dichloroethane
Concen: 4.816 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	20.4	





#43

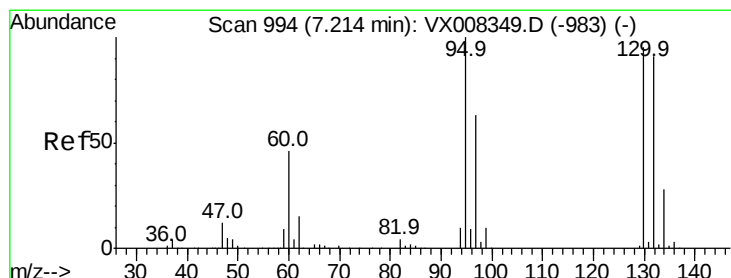
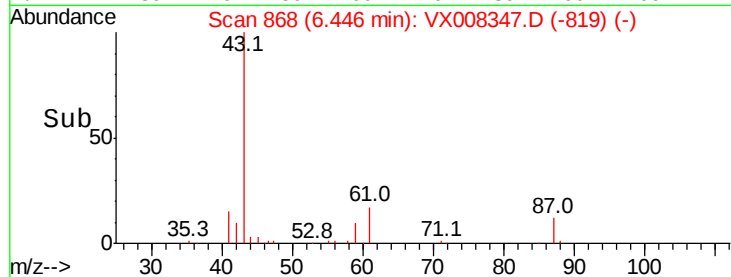
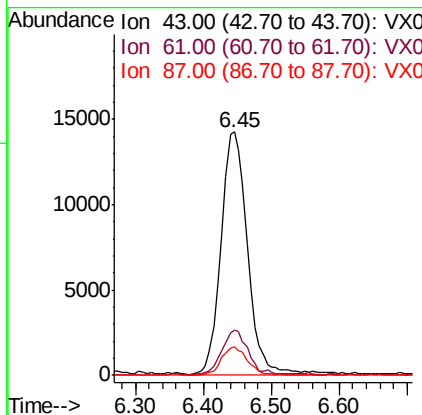
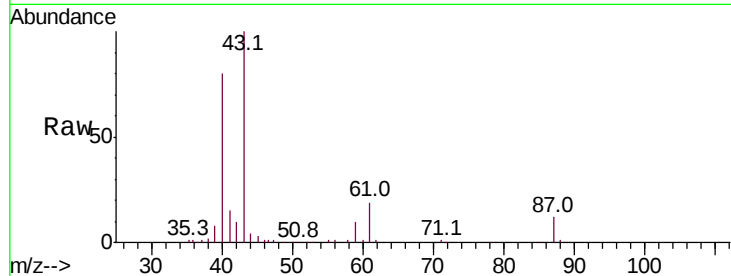
Isopropyl Acetate
 Concen: 5.084 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	43	Resp:	38952
Ion	Ratio	Lower	Upper
43	100		
61	18.8	16.3	24.5
87	11.3	10.5	15.7

Manual Integrations
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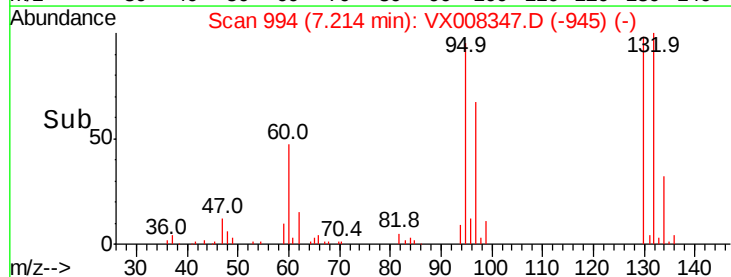
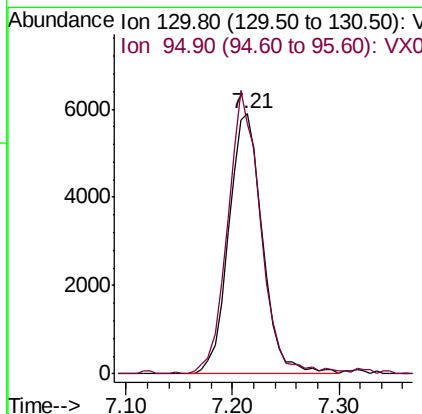
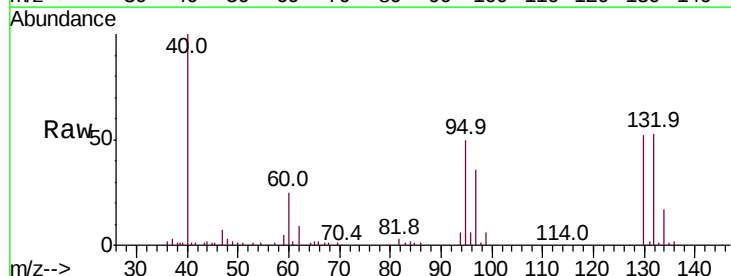
MMDadoda
 3/25/2019 11:16:38 AM

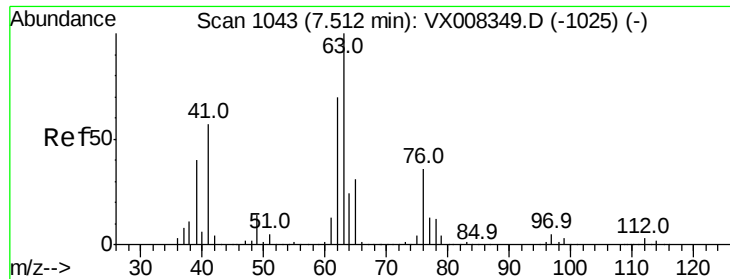


#44

Trichloroethene
 Concen: 4.487 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Tgt Ion:	130	Resp:	13130
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	188.0





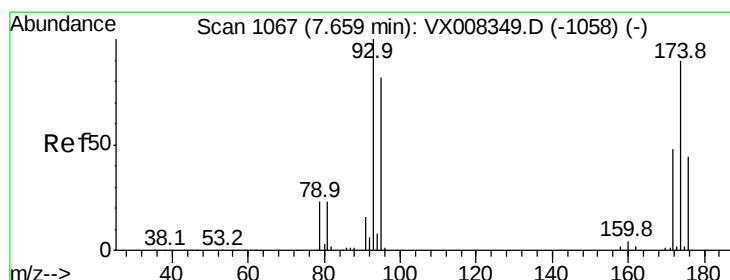
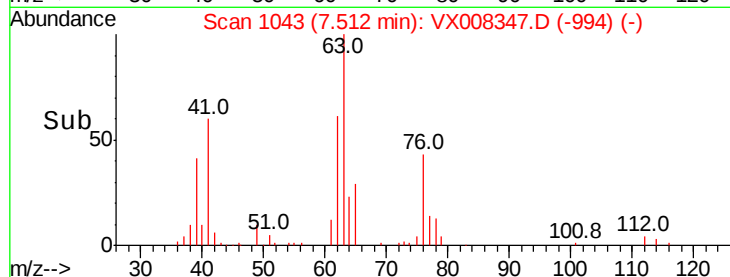
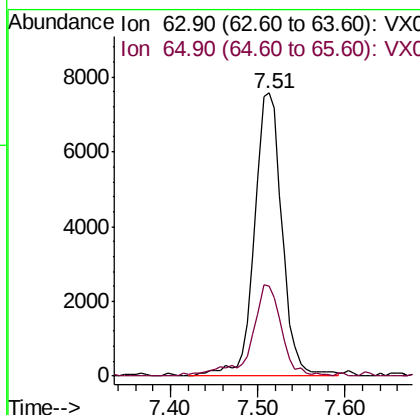
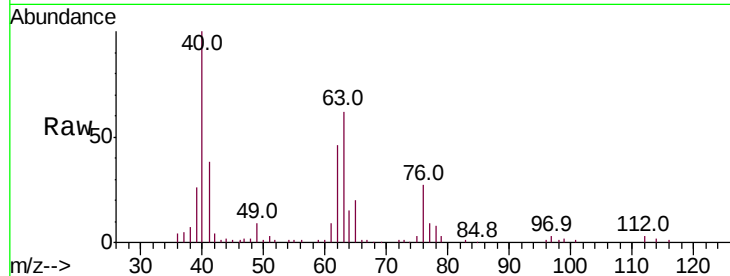
#45
 1,2-Dichloropropane
 Concen: 4.960 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 16620
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.7 37.1

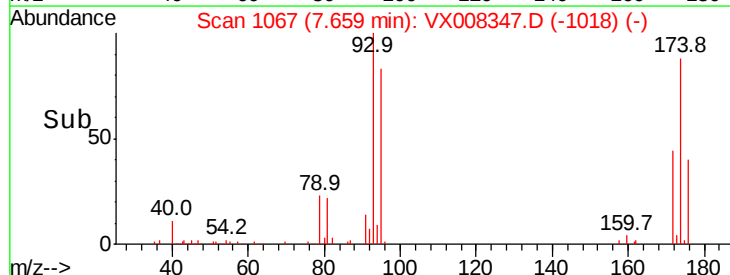
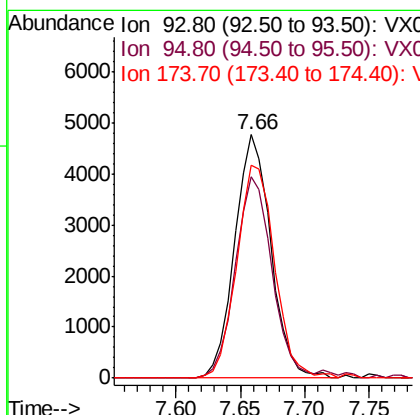
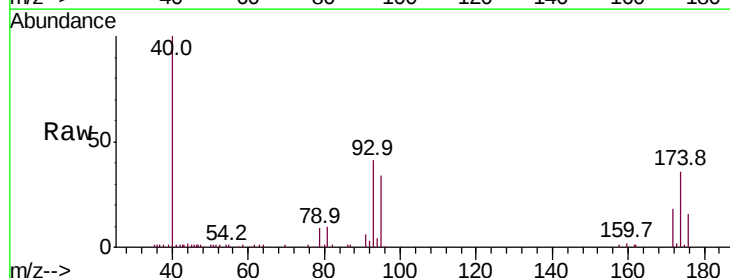
Manual Integrations
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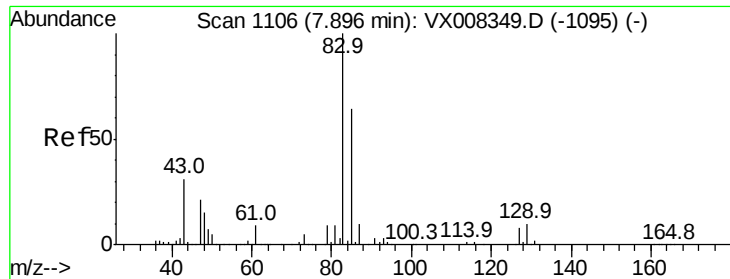
MMDadoda
 3/25/2019 11:16:38 AM



#46
 Dibromomethane
 Concen: 4.565 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Tgt Ion: 93 Resp: 9261
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.8 100.2
 174 91.9 97.3 145.9#





#47

Bromodichloromethane

Concen: 4.461 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

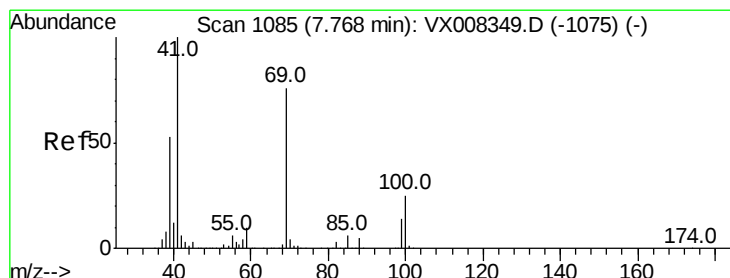
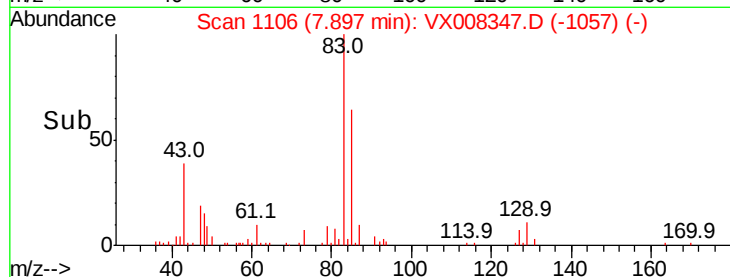
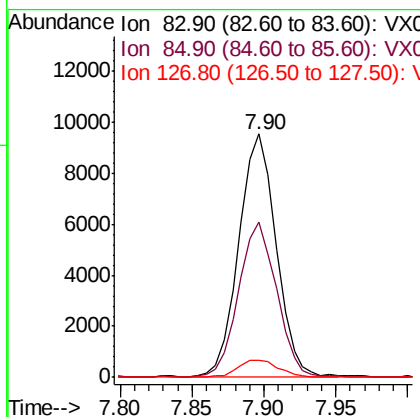
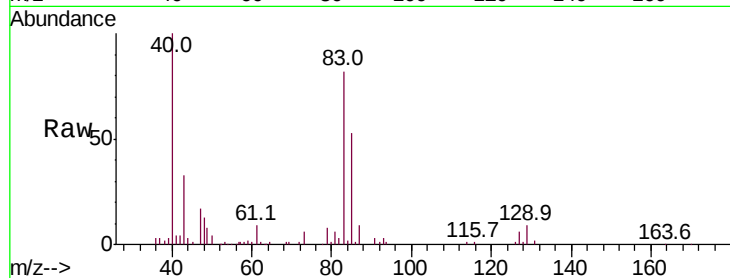
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	17246
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.9	76.3
127	7.1	7.4	11.0#

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.600 ug/l

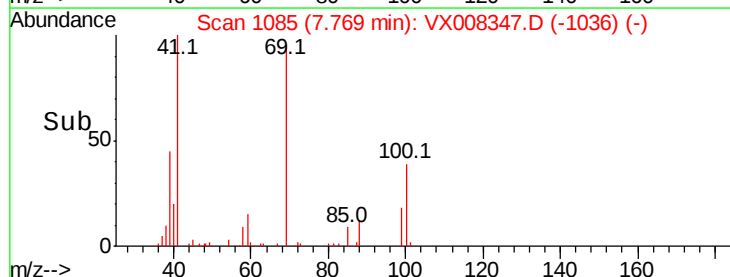
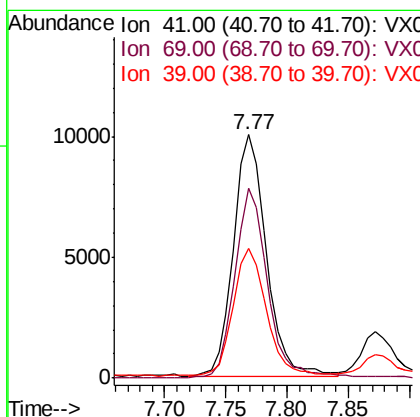
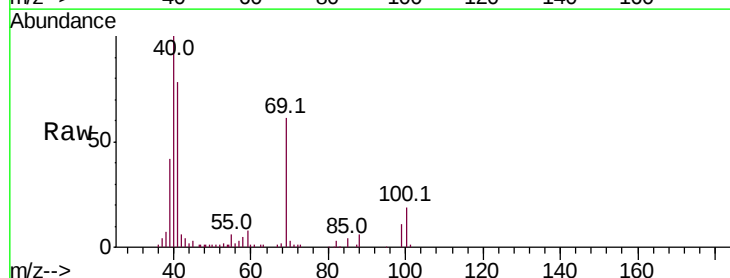
RT: 7.77 min Scan# 1085

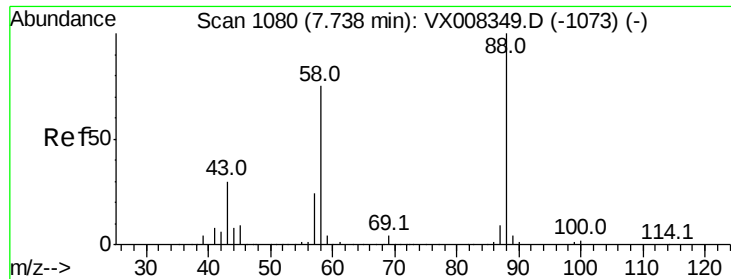
Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Tgt Ion:	41	Resp:	18739
Ion	Ratio	Lower	Upper
41	100		
69	78.2	65.2	97.8
39	53.4	39.4	59.2





#49

1,4-Dioxane

Concen: 111.623 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

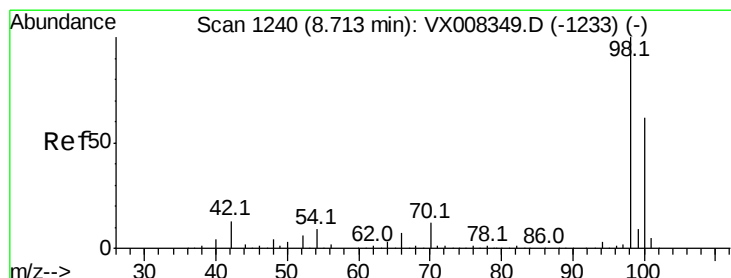
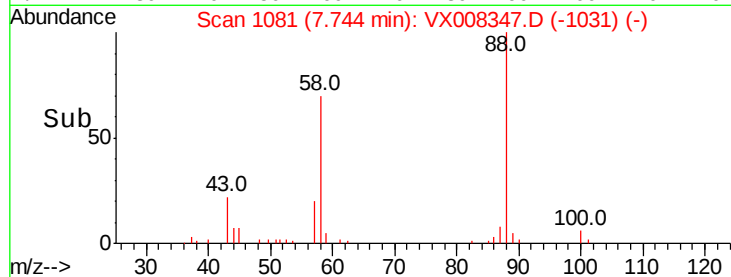
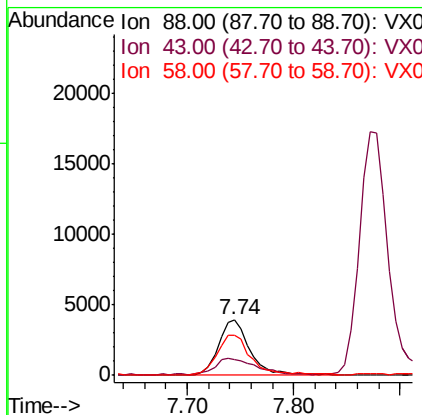
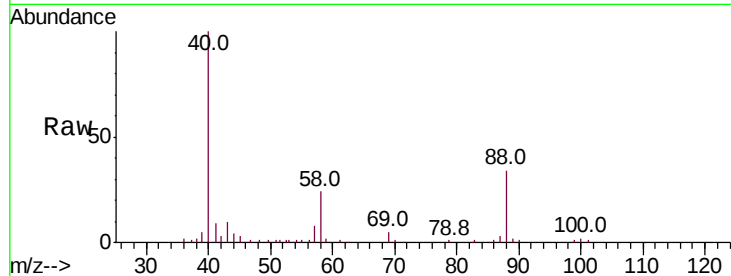
VSTDIC005

Tot Ion: 88 Resp: 8025

Ion	Ratio	Lower	Upper
88	100		
43	45.3	25.1	37.7#
58	79.7	57.8	86.6

Manual Integrations
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#50

Toluene-d8

Concen: 5.304 ug/l

RT: 8.71 min Scan# 1240

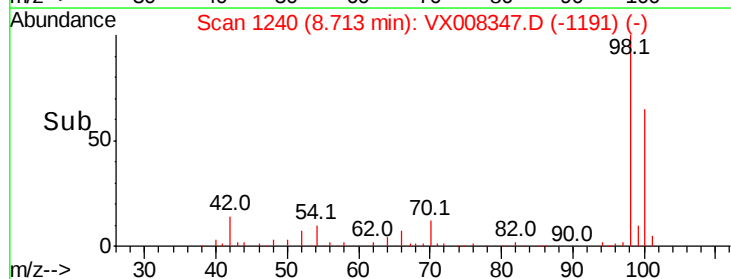
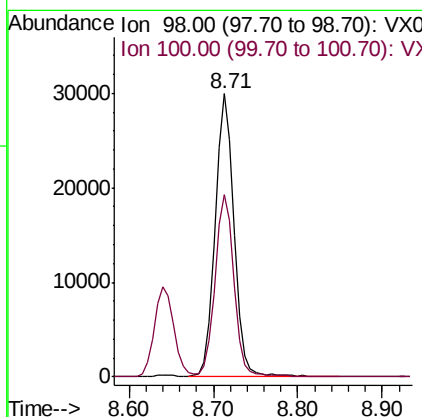
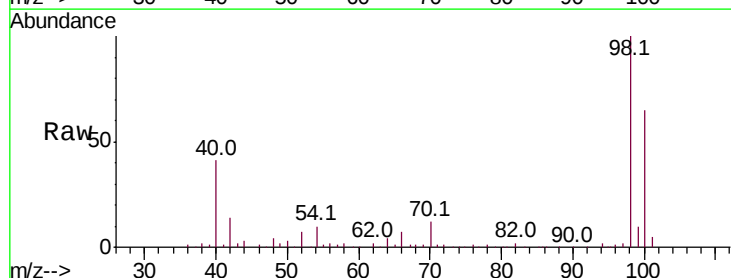
Delta R.T. 0.00 min

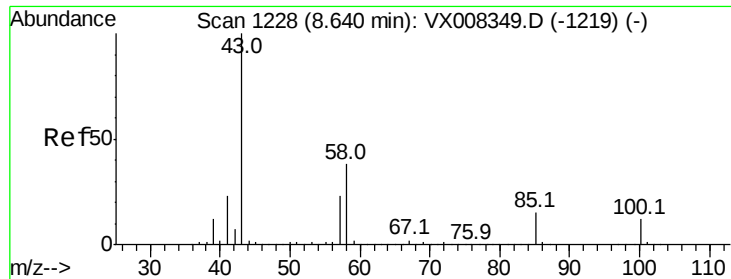
Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Tgt Ion: 98 Resp: 46754

Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 25.568 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 126650

Ion Ratio Lower Upper

43 100

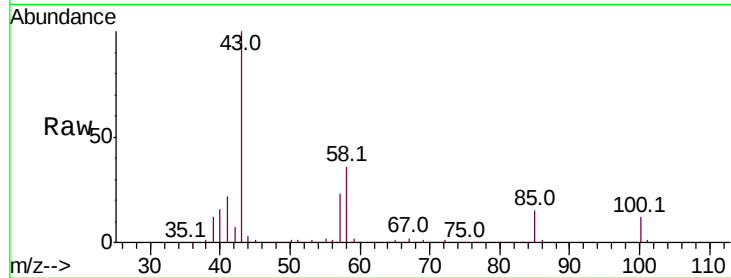
58 36.8 31.3 46.9

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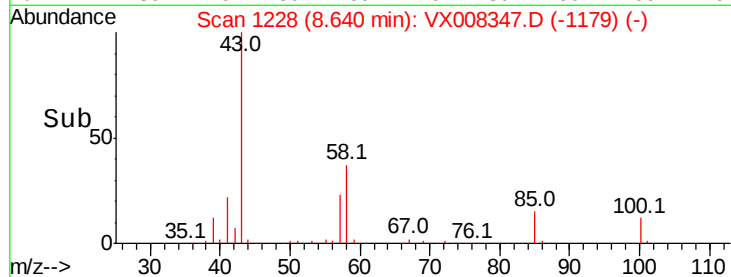


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

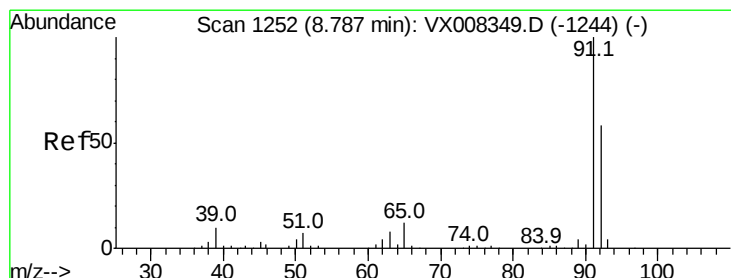
8.64

8.60 8.70 8.80



8.64

8.60 8.70 8.80



#52

Toluene

Concen: 4.733 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008347.D

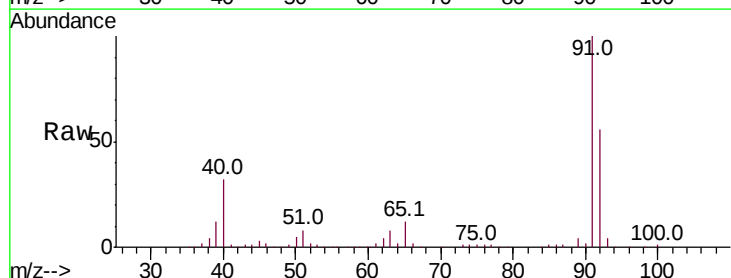
Acq: 23 Mar 2019 13:32

Tgt Ion: 92 Resp: 33604

Ion Ratio Lower Upper

92 100

91 175.6 137.4 206.0

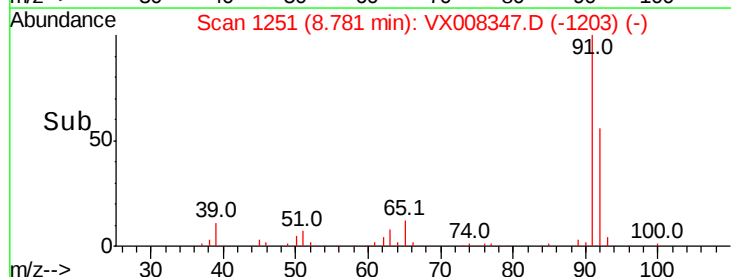


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

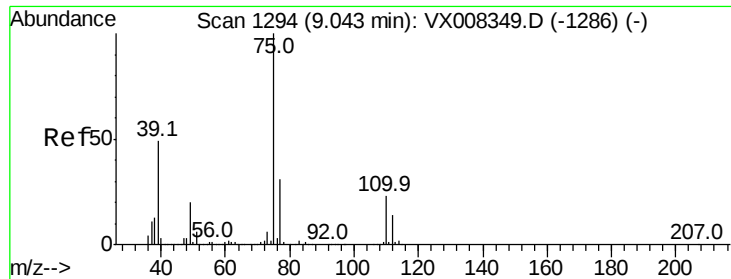
8.78

8.70 8.80 8.90



8.78

8.70 8.80 8.90



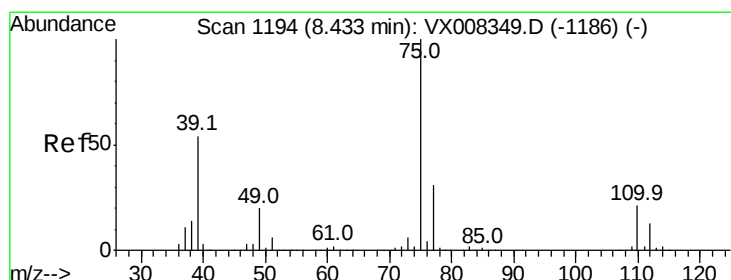
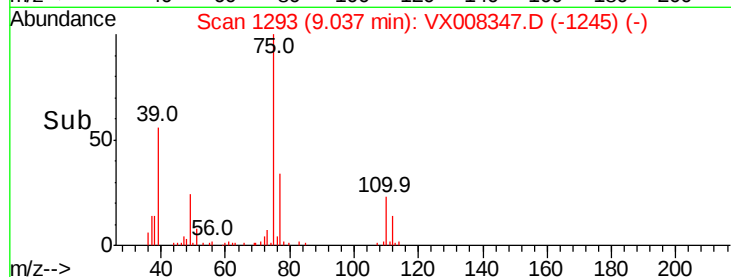
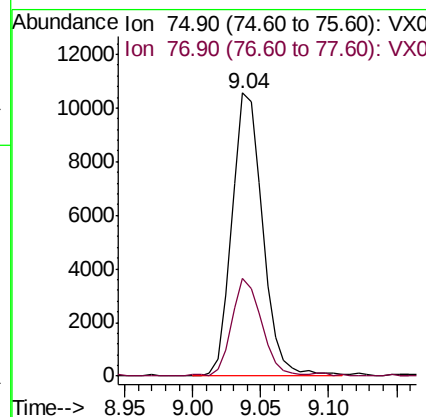
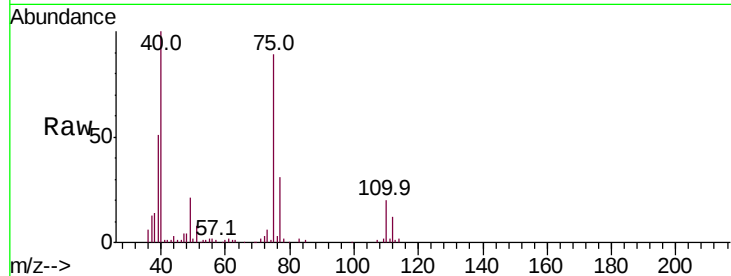
#53
 t-1,3-Dichloropropene
 Concen: 3.847 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 16643
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.4 38.0

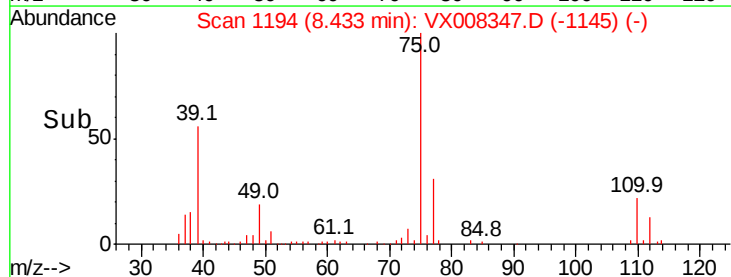
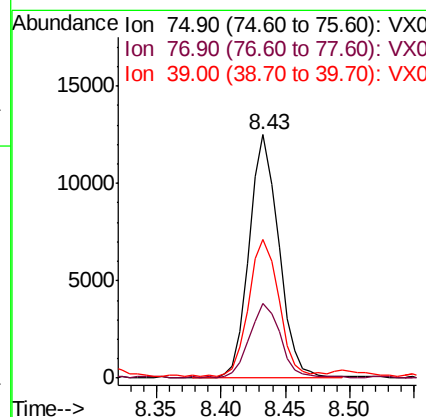
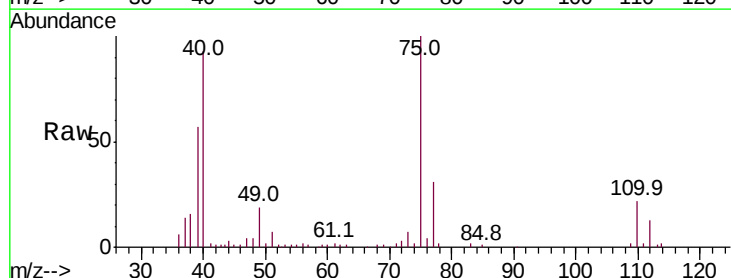
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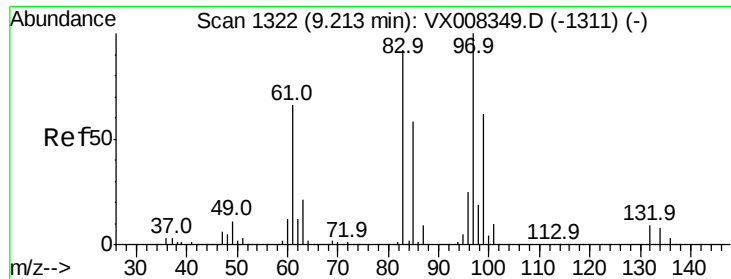
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#54
 cis-1,3-Dichloropropene
 Concen: 4.146 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Tgt Ion: 75 Resp: 19893
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.0 37.6
 39 55.6 36.6 54.8#





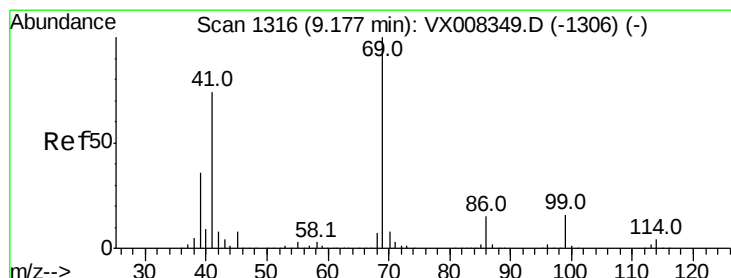
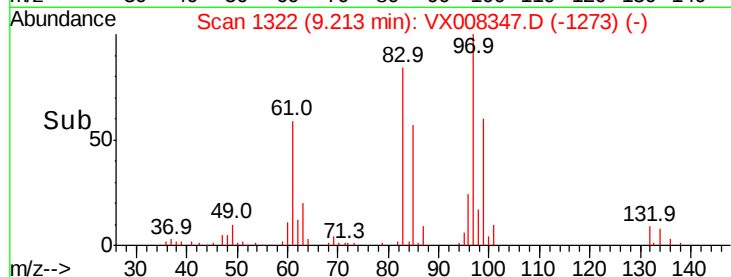
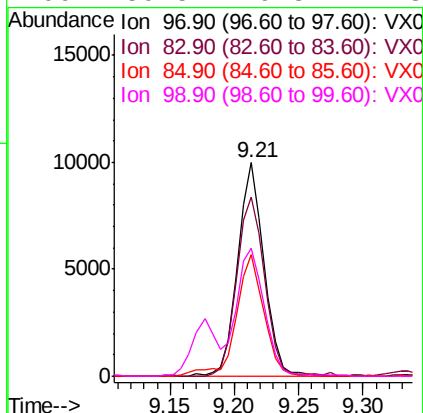
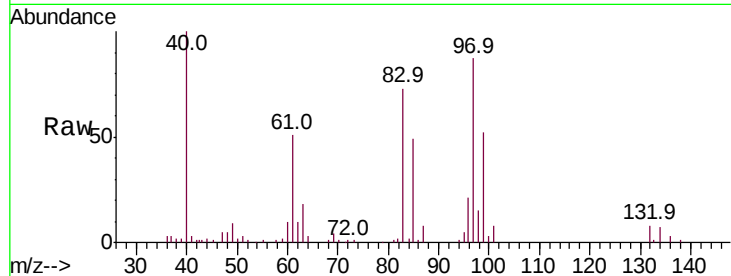
#55
 1,1,2-Trichloroethane
 Concen: 4.935 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	14158
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.1	103.7
85	56.8	44.3	66.5
99	59.5	49.8	74.8

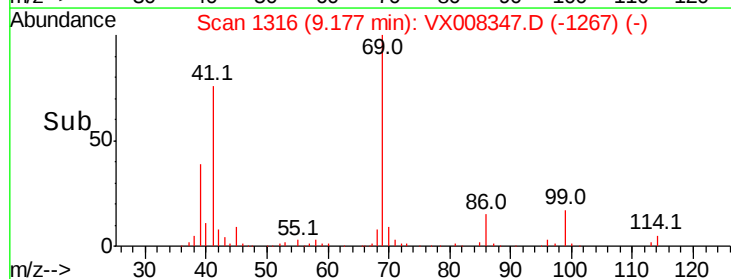
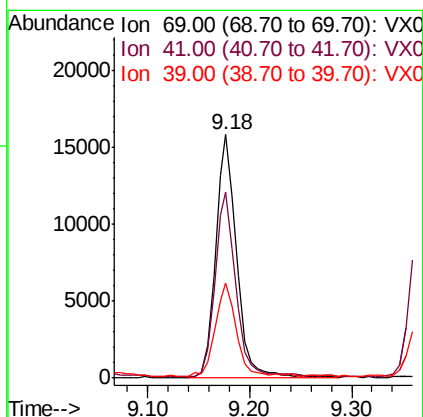
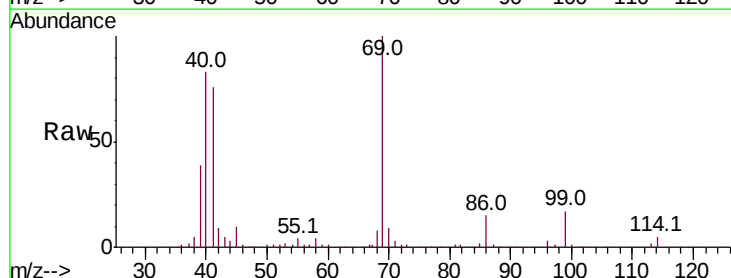
Manual Integrations
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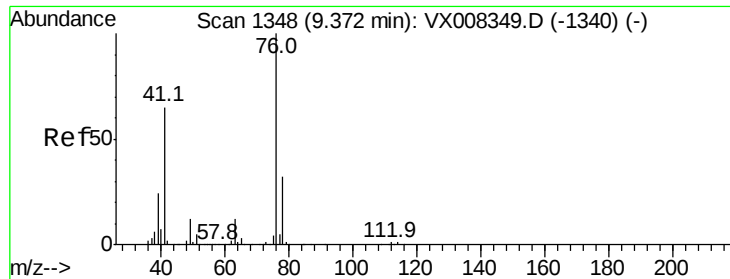
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#56
 Ethyl methacrylate
 Concen: 5.036 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Tgt Ion:	69	Resp:	23111
Ion	Ratio	Lower	Upper
69	100		
41	74.1	54.2	81.4
39	37.7	25.0	37.4#





#57

1,3-Dichloropropane

Concen: 4.824 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 24484

Ion Ratio Lower Upper

76 100

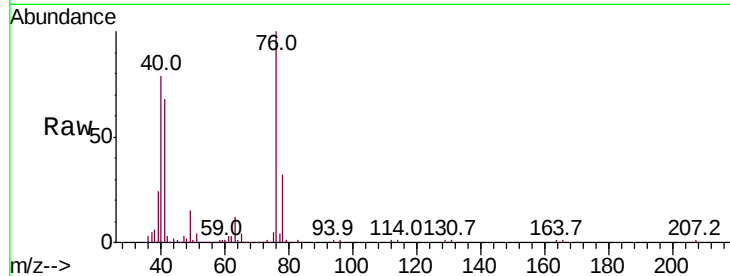
78 33.4 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

15000

10000

5000

0

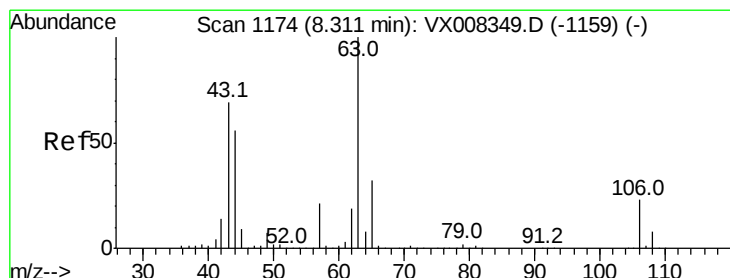
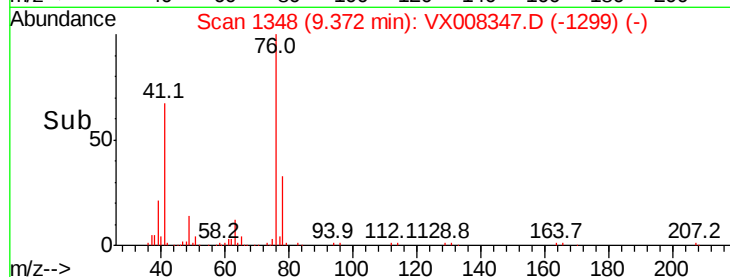
9.30

9.35

9.40

9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 26.517 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008347.D

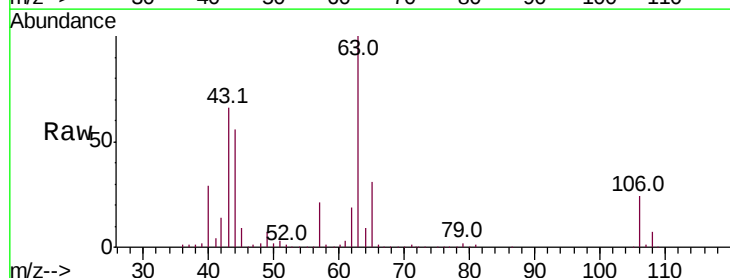
Acq: 23 Mar 2019 13:32

Tgt Ion: 63 Resp: 62330

Ion Ratio Lower Upper

63 100

106 23.7 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

40000

30000

20000

10000

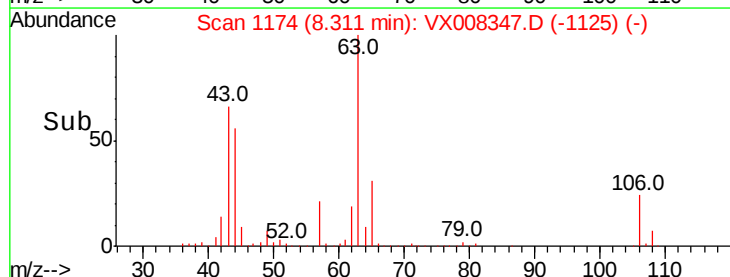
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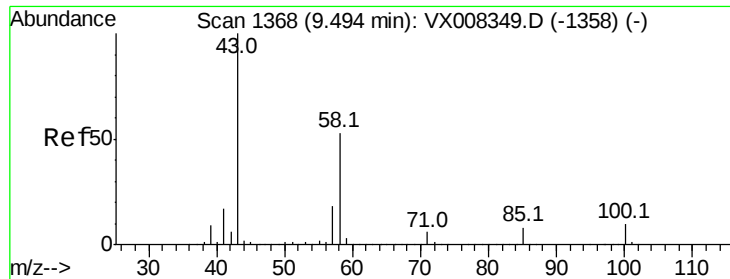
8.20

8.30

8.40

Time-->





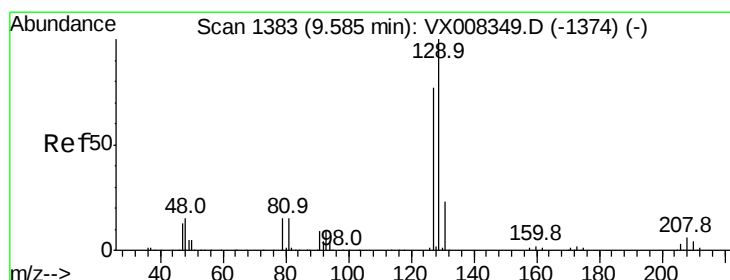
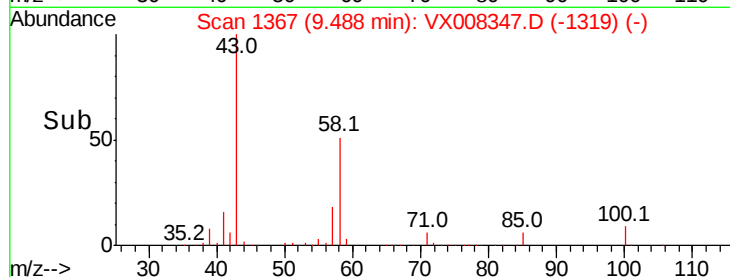
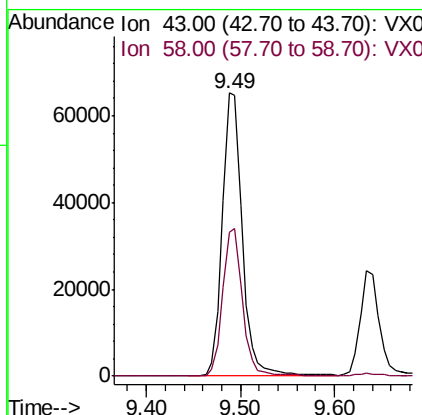
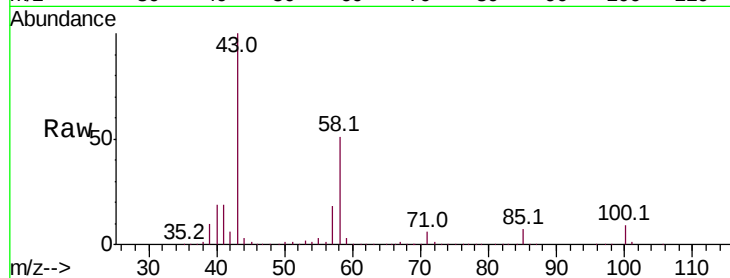
#59
2-Hexanone
Concen: 25.147 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 95900
Ion Ratio Lower Upper
43 100
58 52.1 27.6 82.7

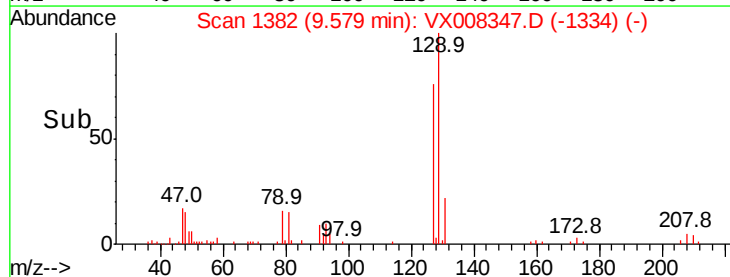
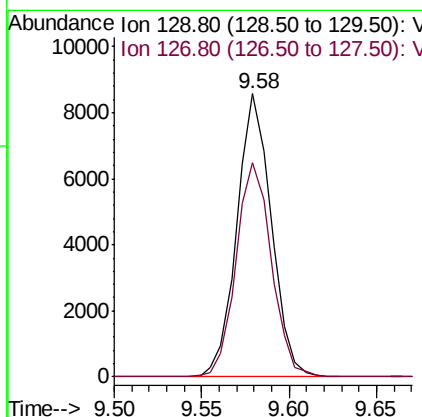
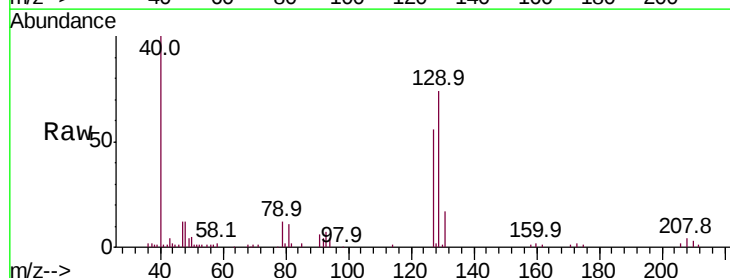
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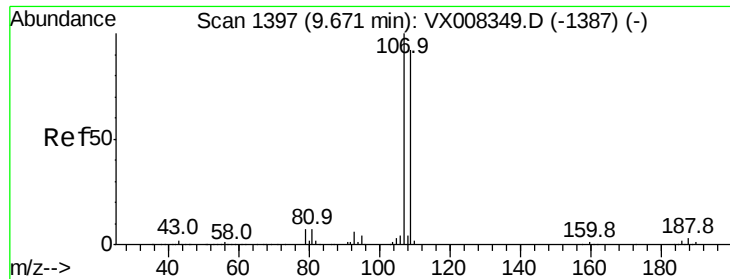
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#60
Dibromochloromethane
Concen: 4.273 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion: 129 Resp: 11780
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.8





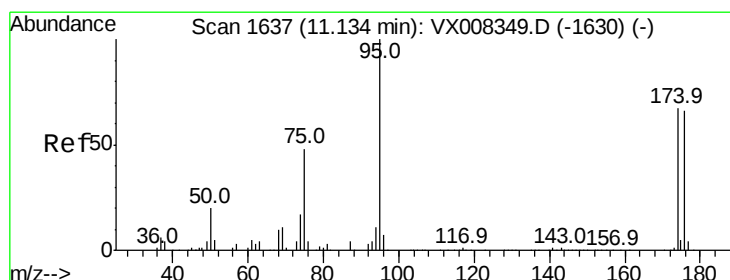
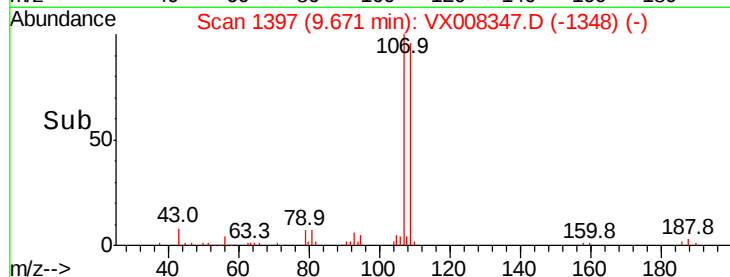
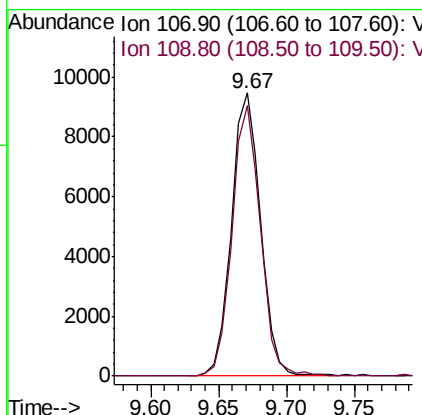
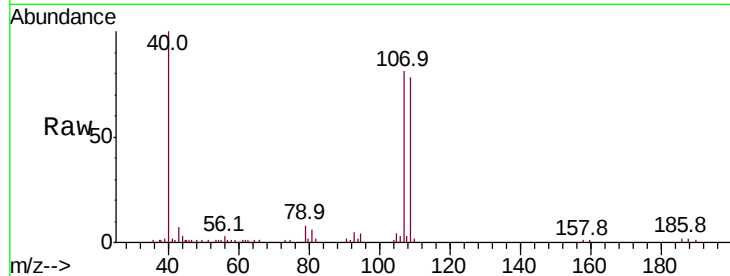
#61
 1,2-Dibromoethane
 Concen: 4.693 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.8	113.8

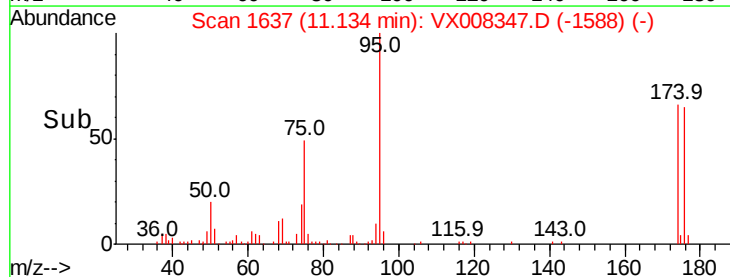
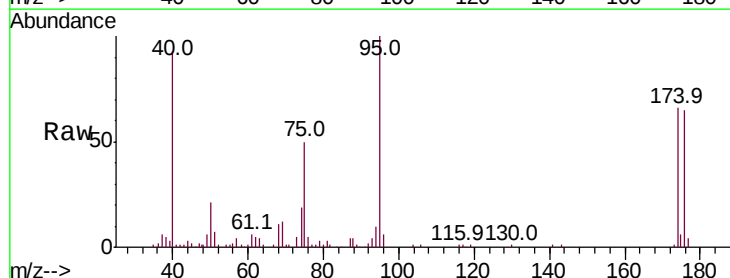
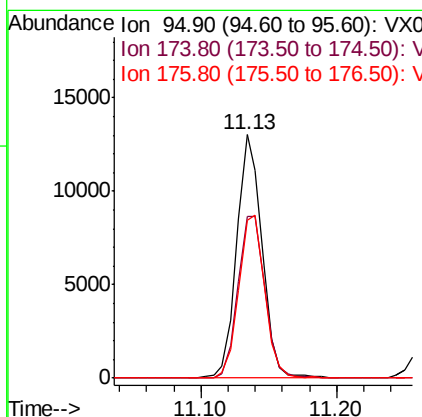
Manual Integrations
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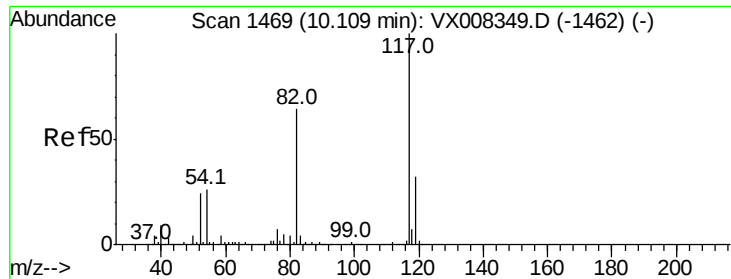
MMDadoda
 3/25/2019 11:16:38 AM



#62
 4-Bromofluorobenzene
 Concen: 5.523 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	182.8
176	68.7	0.0	178.0





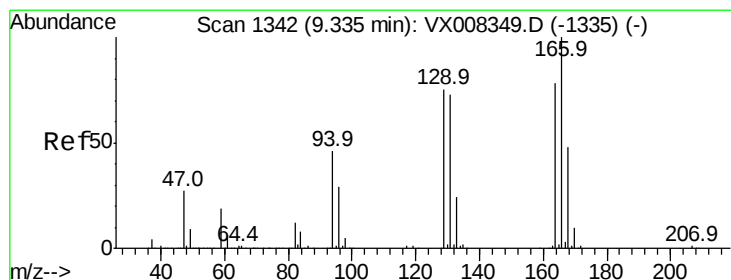
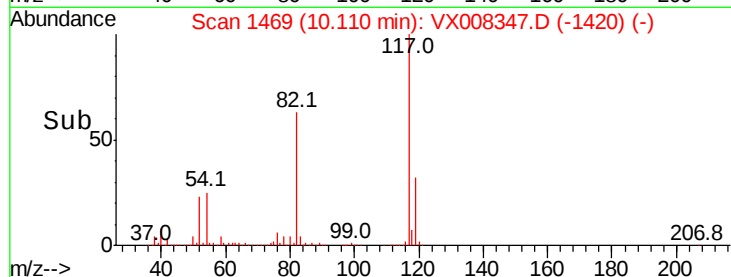
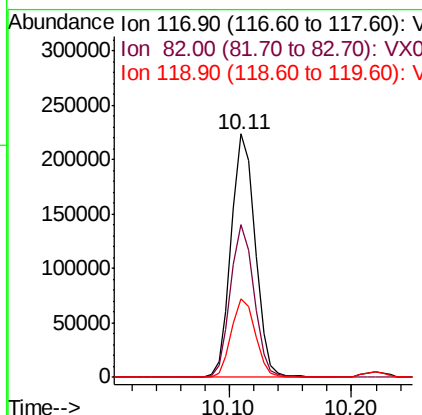
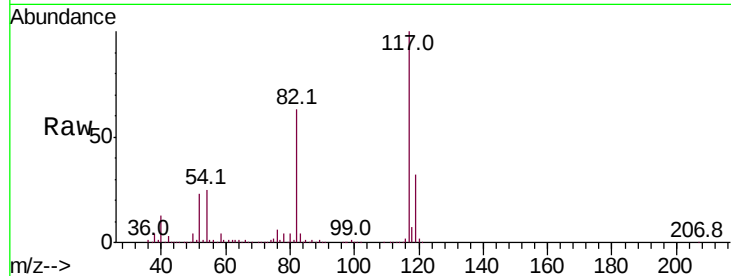
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	62.6	44.3	66.5	
119	32.2	25.3	37.9	

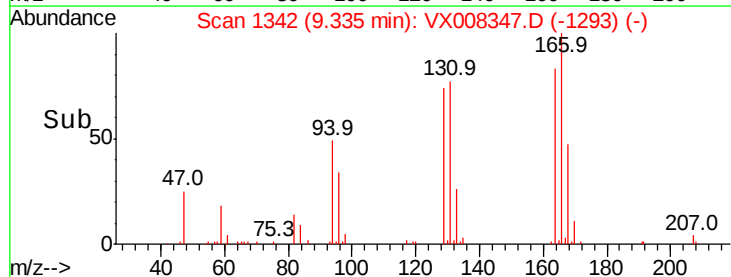
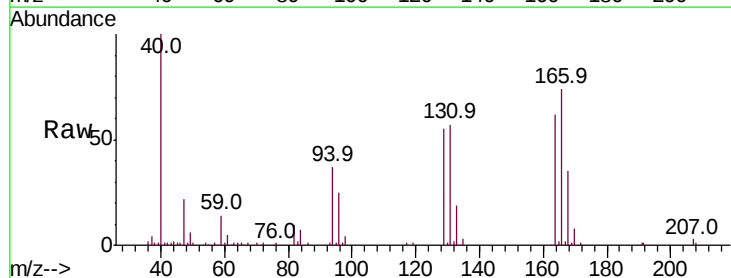
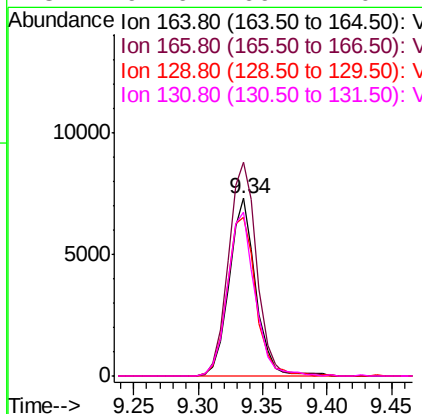
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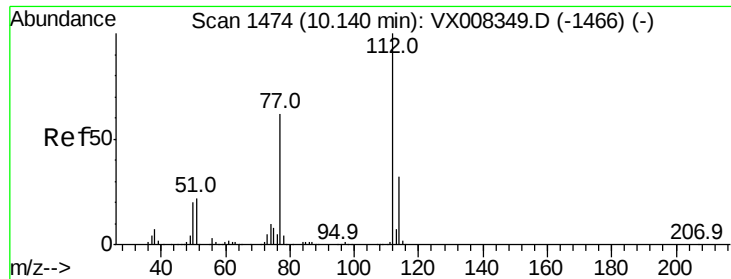
MMDadoda
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#64
Tetrachloroethene
Concen: 3.840 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	120.2	103.4	155.0	
129	89.0	72.2	108.4	
131	92.6	69.4	104.2	





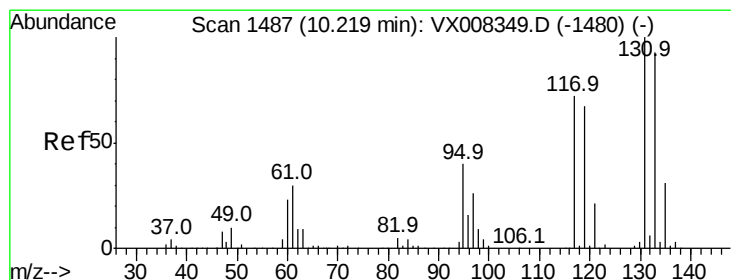
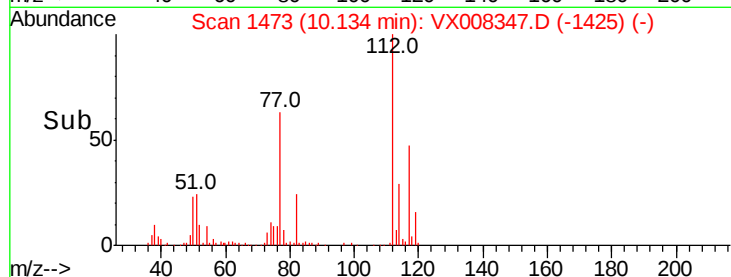
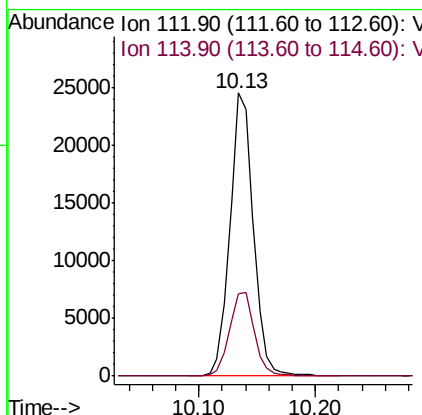
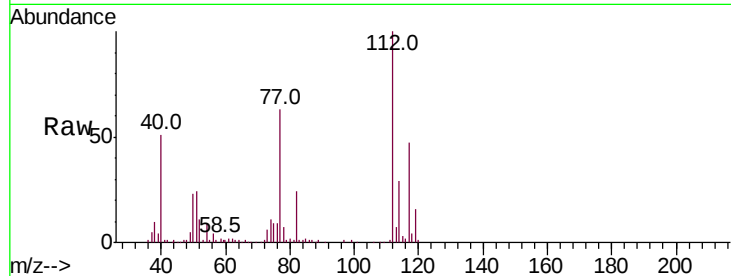
#65
Chlorobenzene
Concen: 4.608 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 34427
Ion Ratio Lower Upper
112 100
114 29.0 26.0 39.0

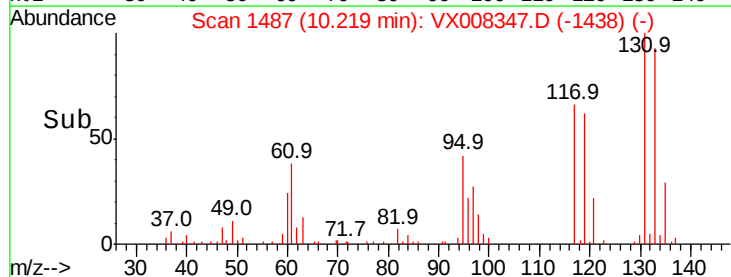
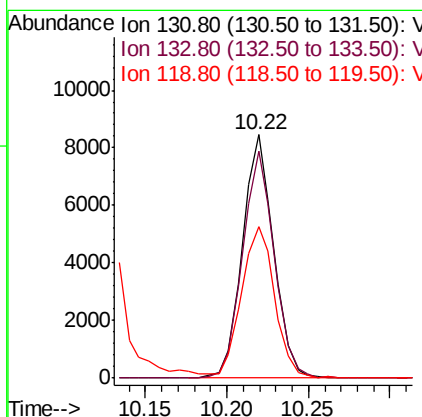
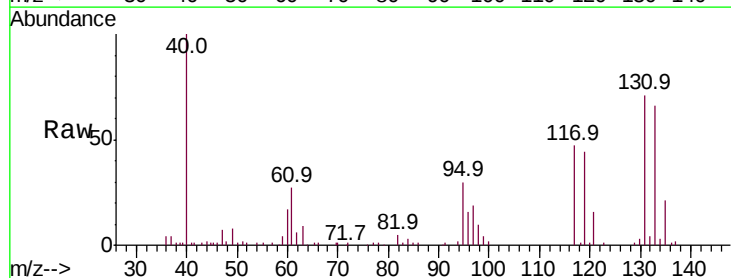
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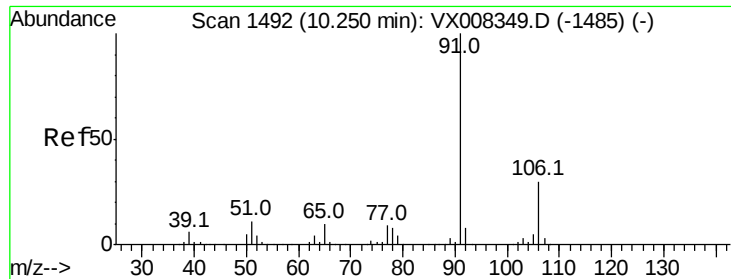
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.318 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion:131 Resp: 11247
Ion Ratio Lower Upper
131 100
133 94.9 47.8 143.3
119 66.9 32.5 97.5





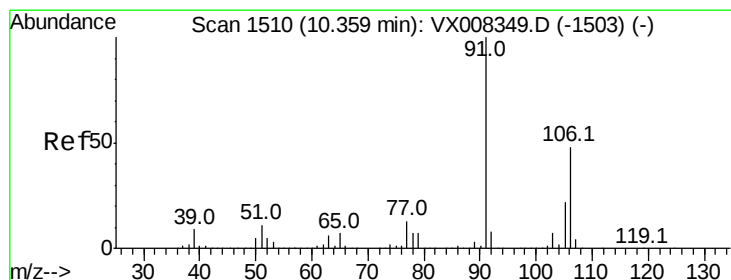
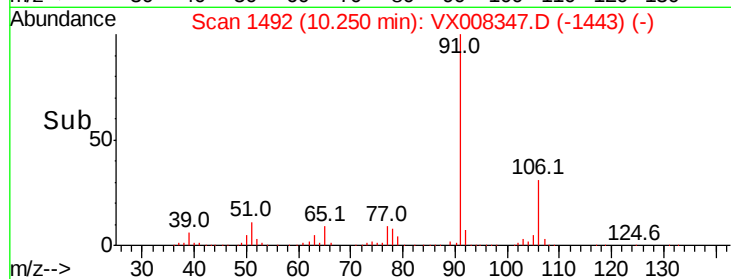
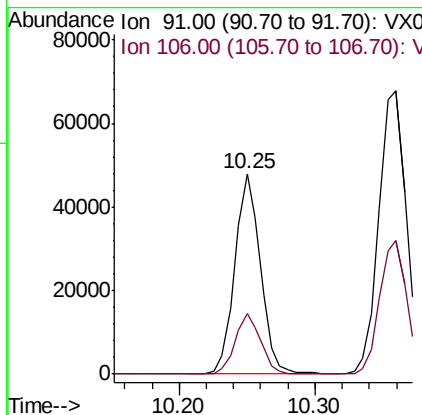
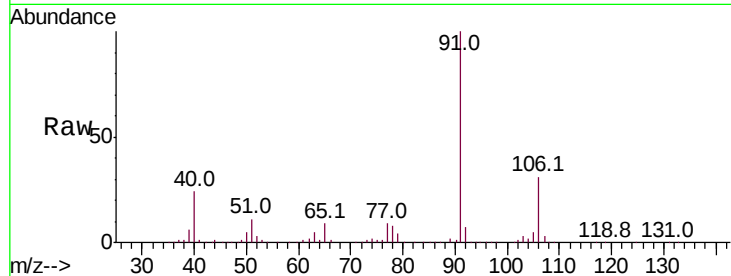
#67
Ethyl Benzene
Concen: 4.782 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 62954
Ion Ratio Lower Upper
91 100
106 30.5 25.2 37.8

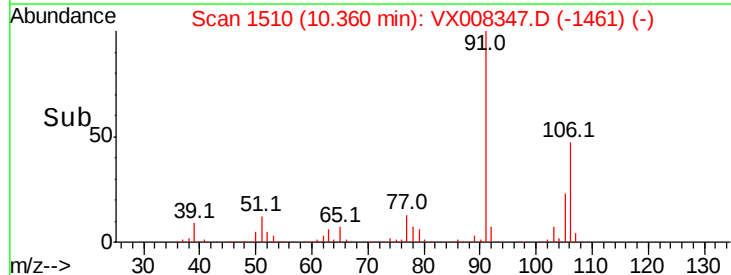
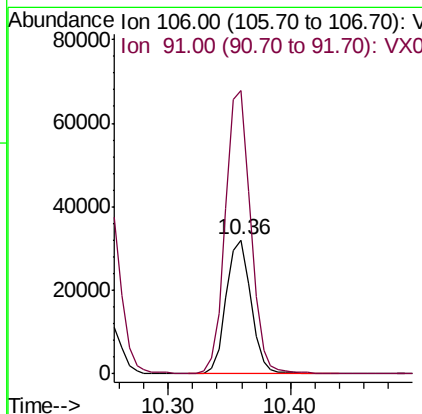
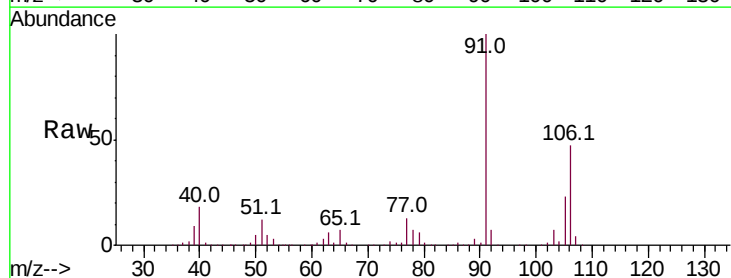
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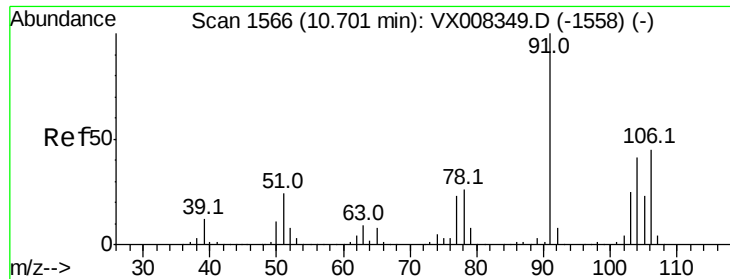
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#68
m/p-Xylenes
Concen: 9.342 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion: 106 Resp: 45175
Ion Ratio Lower Upper
106 100
91 214.2 159.8 239.6





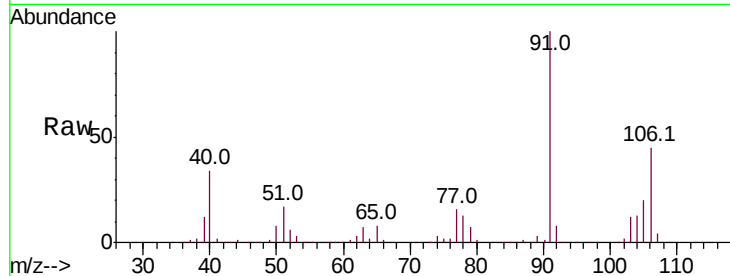
#69
o-Xylene
Concen: 4.718 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

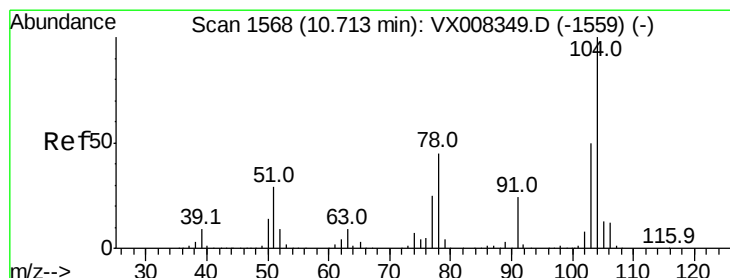
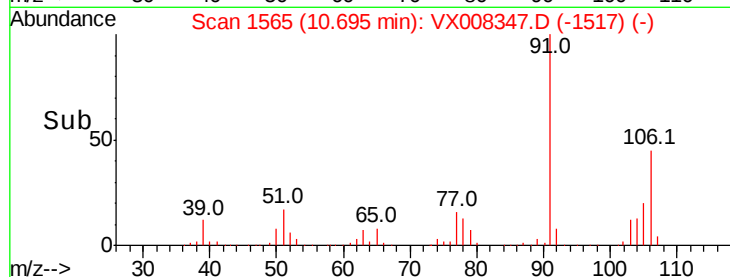
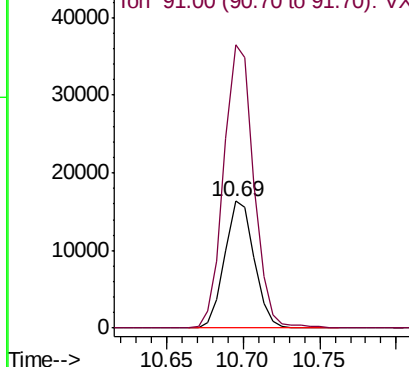
Tot Ion:106 Resp: 22169
Ion Ratio Lower Upper
106 100
91 224.7 106.3 318.9

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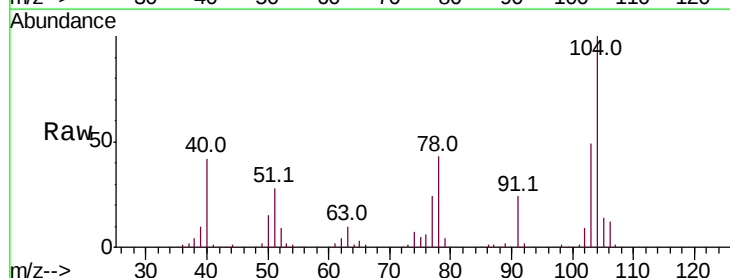


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

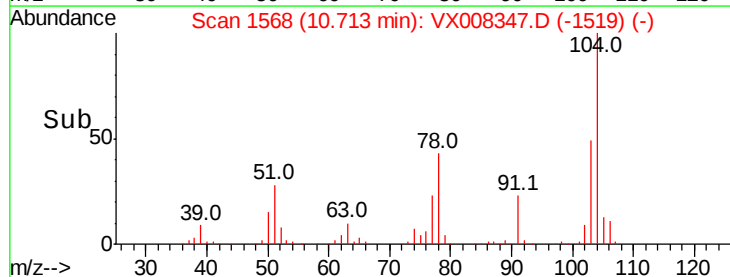
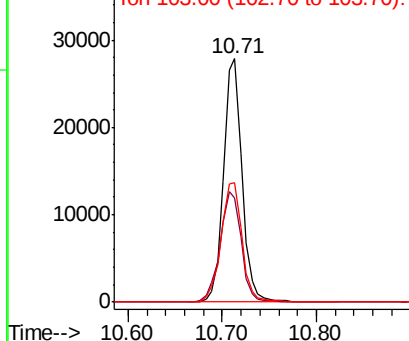


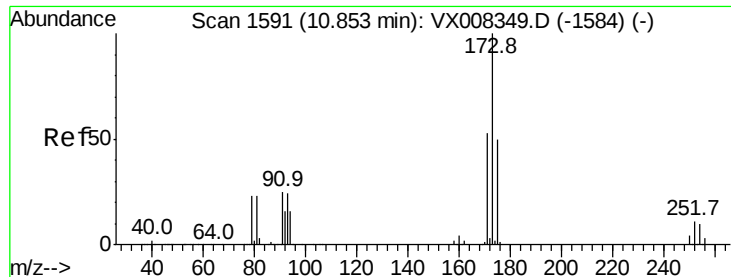
#70
Styrene
Concen: 4.951 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion:104 Resp: 37812
Ion Ratio Lower Upper
104 100
78 52.2 38.5 57.7
103 55.6 44.1 66.1



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





#71

Bromoform

Concen: 3.924 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 7775

Ion Ratio Lower Upper

173 100

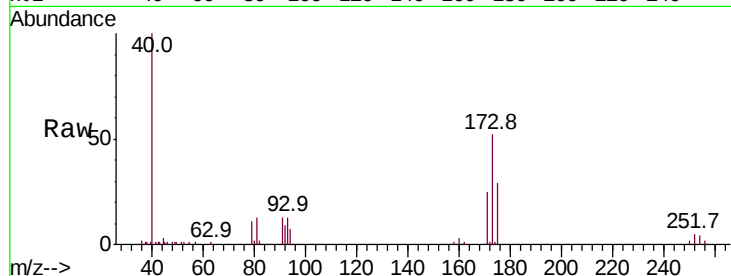
175 50.9 24.3 72.9

254 0.0 0.1 0.1#

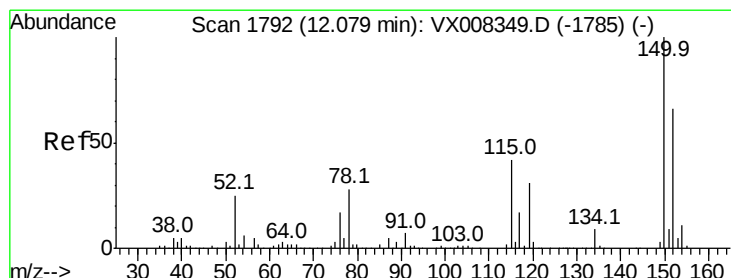
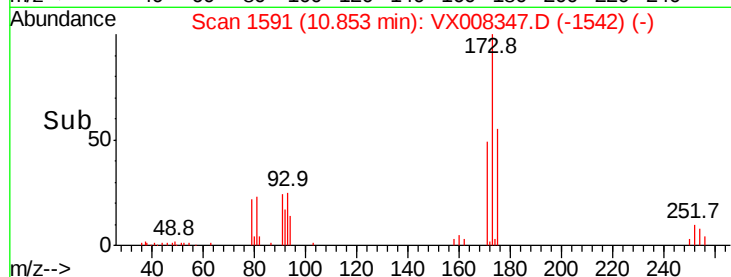
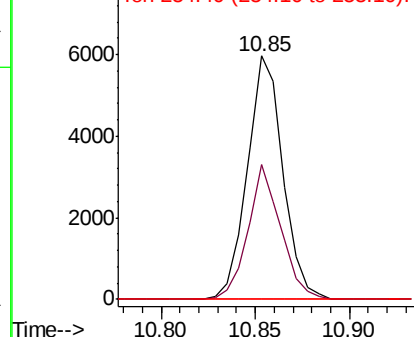
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Abundance Ion 172.70 (172.40 to 173.40): V
8000 Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

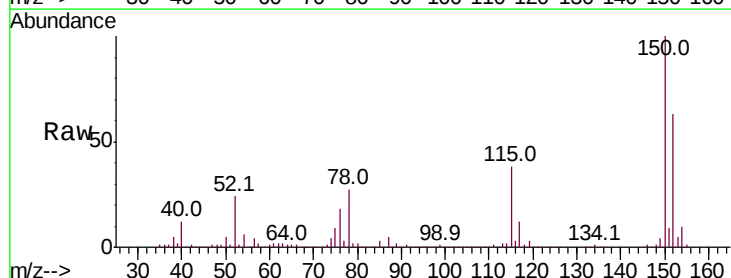
Tgt Ion:152 Resp: 137837

Ion Ratio Lower Upper

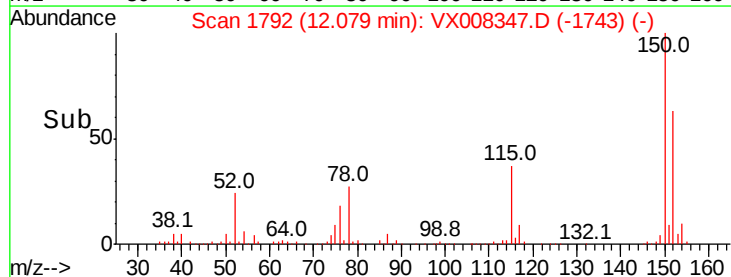
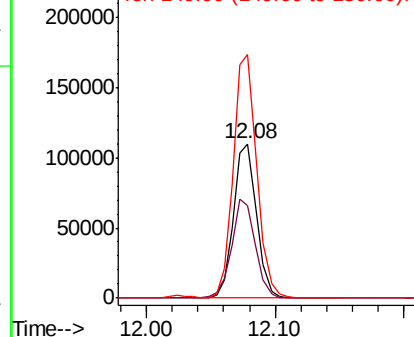
152 100

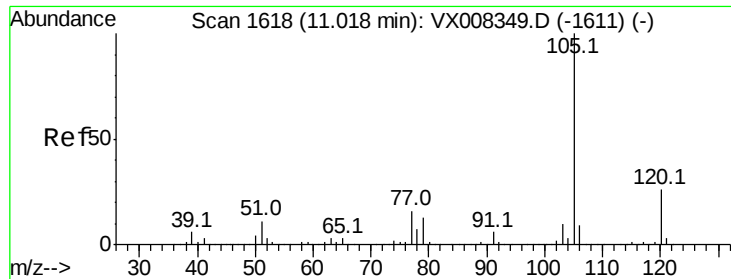
115 65.8 38.6 115.7

150 161.4 0.0 348.4



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





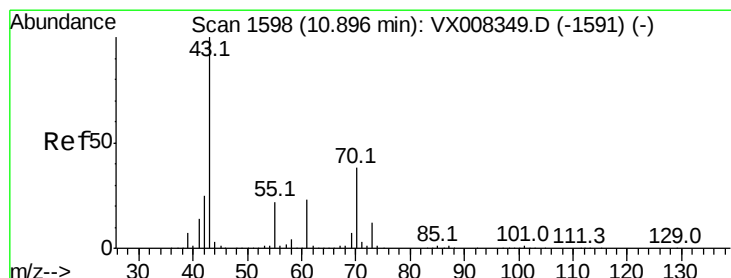
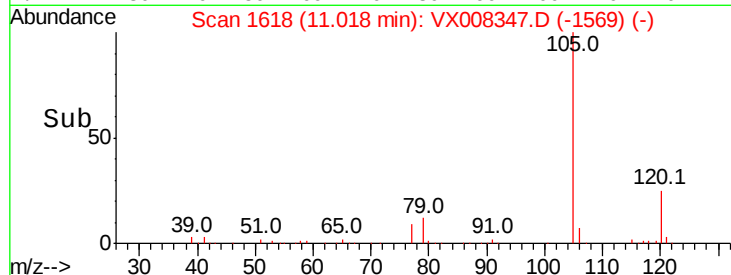
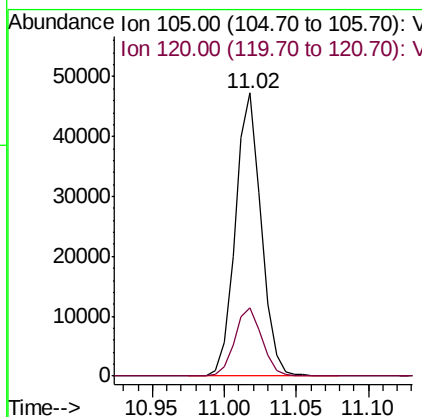
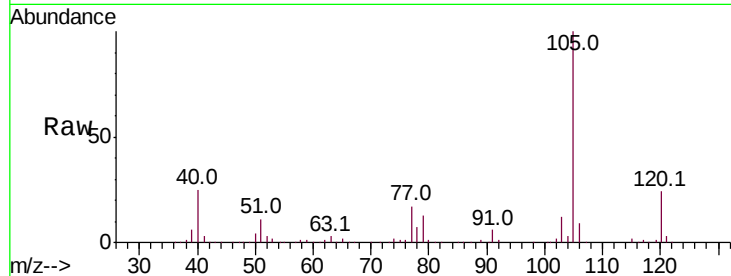
#73
Isopropylbenzene
Concen: 4.803 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.4	40.1

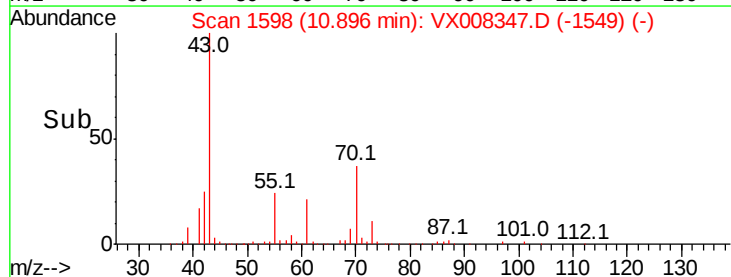
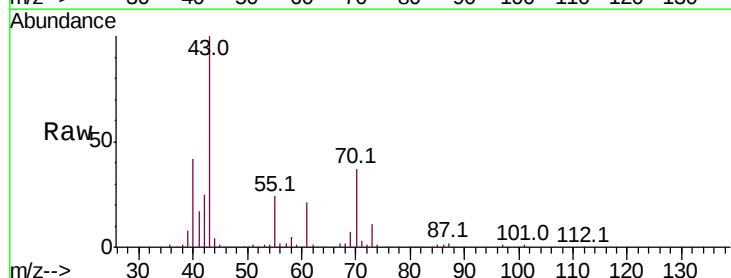
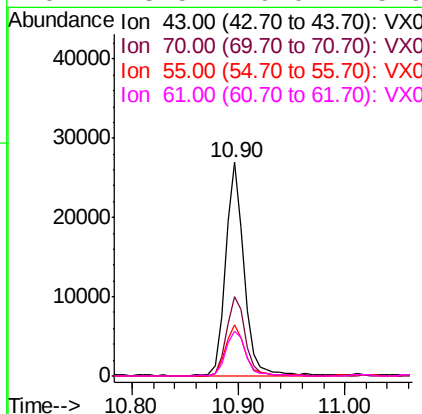
Manual Integrations
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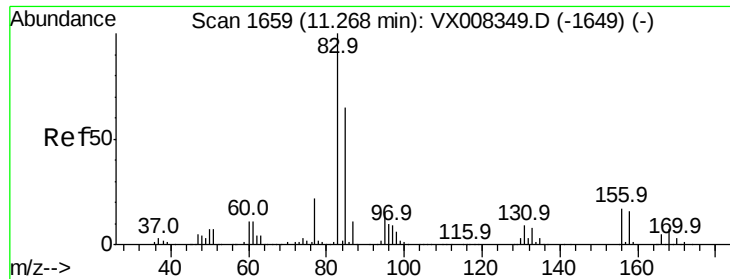
MMDadoda
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#74
N-ethyl acetate
Concen: 5.034 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.0	33.5	50.3
55	25.1	19.2	28.8
61	23.5	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.160 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 22733

Ion Ratio Lower Upper

83 100

131 9.3 5.4 16.2

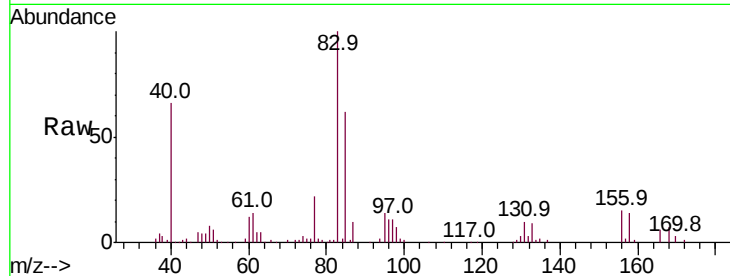
85 64.8 32.3 96.8

Manual Integrations

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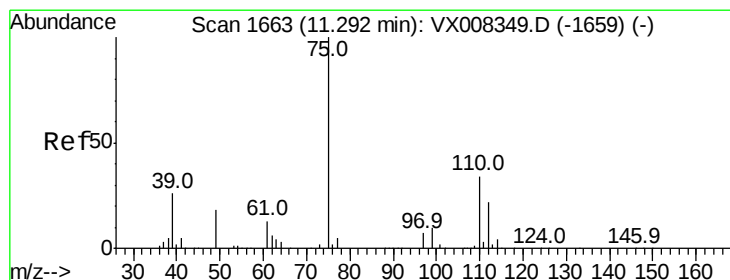
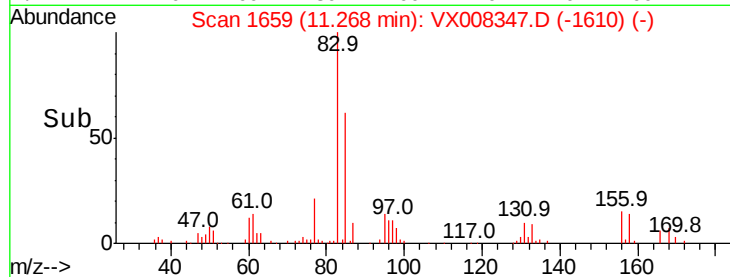
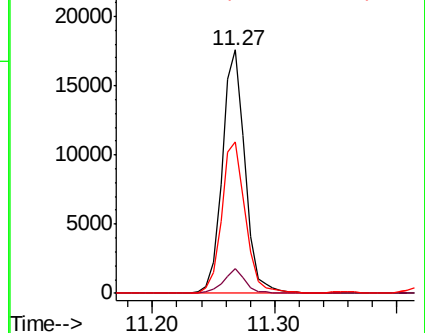
3/25/2019 11:16:38 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 4.890 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008347.D

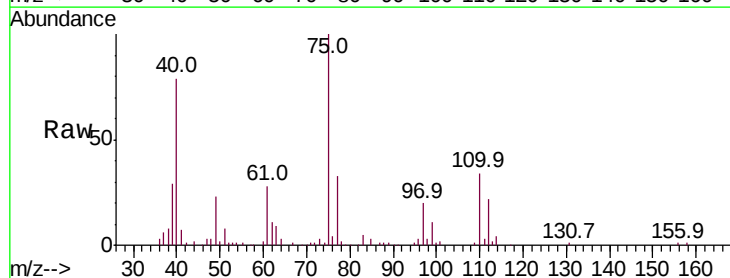
Acq: 23 Mar 2019 13:32

Tgt Ion: 75 Resp: 18956

Ion Ratio Lower Upper

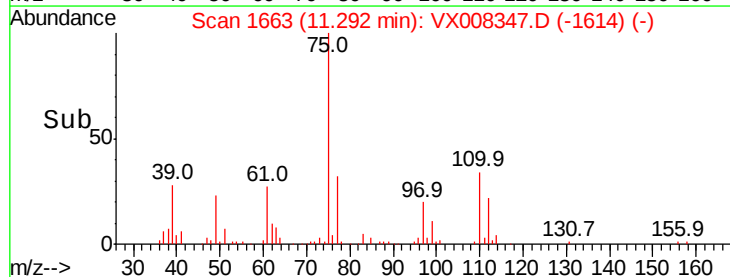
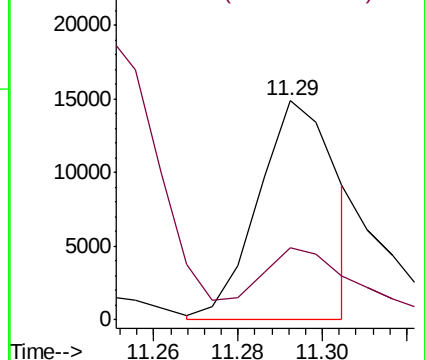
75 100

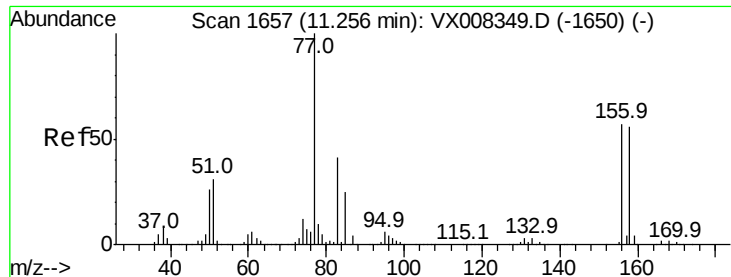
77 41.8 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 4.682 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 13909

Ion Ratio Lower Upper

156 100

77 181.2 72.0 215.9

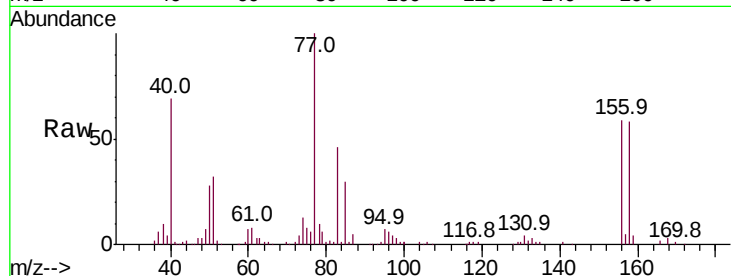
158 94.7 48.6 145.9

Manual Integrations

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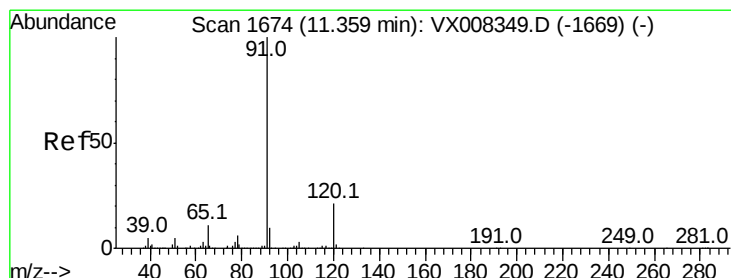
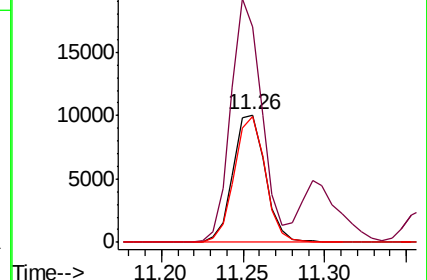
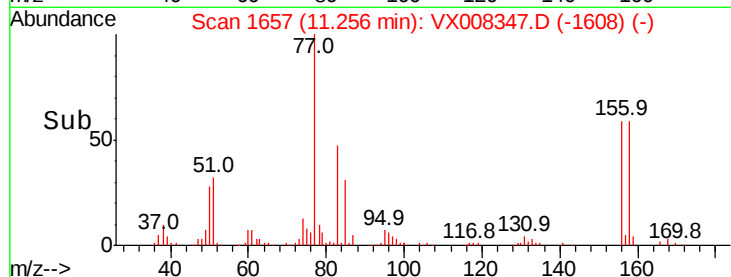
3/25/2019 11:16:38 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.820 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008347.D

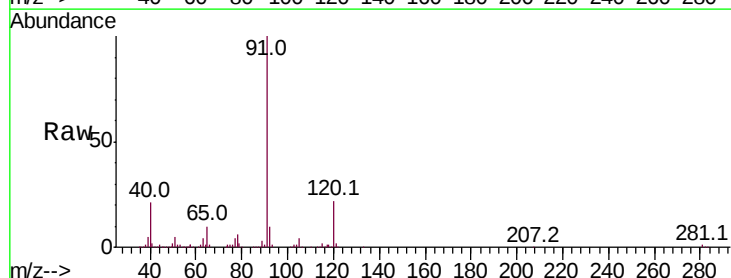
Acq: 23 Mar 2019 13:32

Tgt Ion: 91 Resp: 68777

Ion Ratio Lower Upper

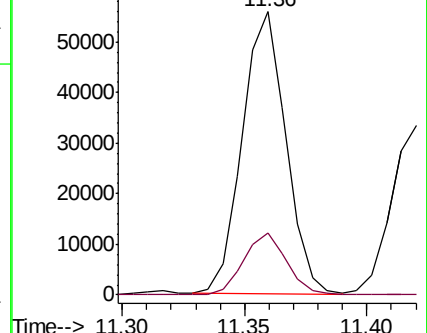
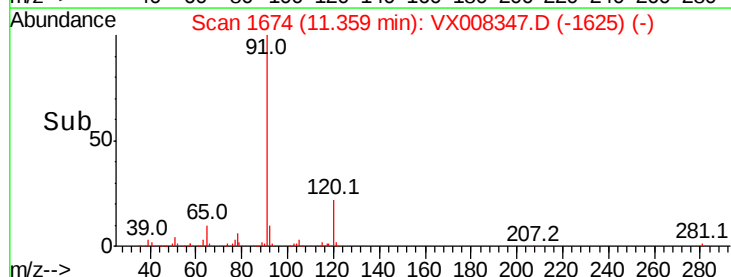
91 100

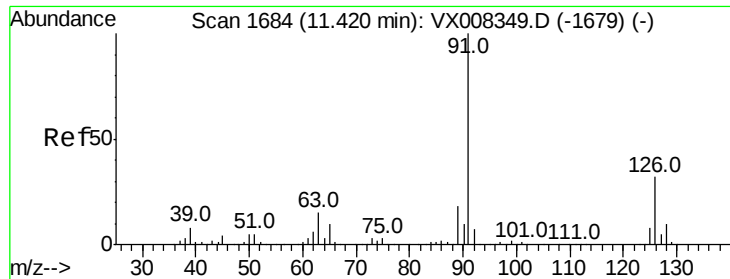
120 21.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





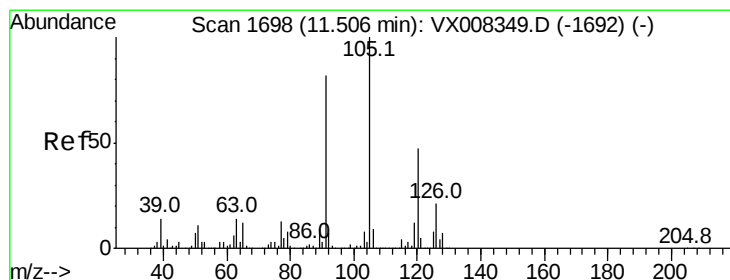
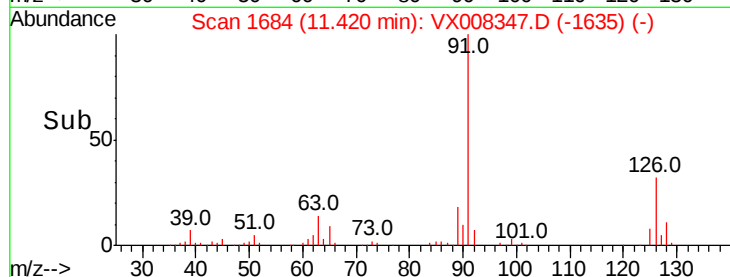
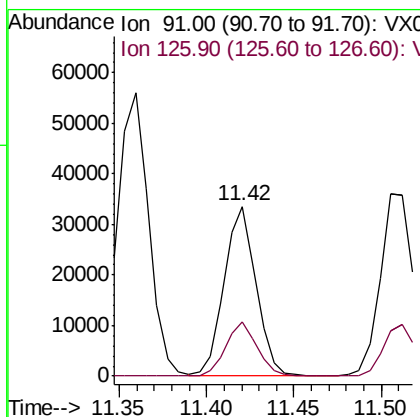
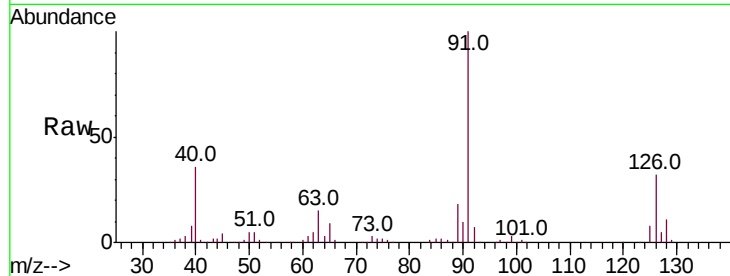
#79
2-Chlorotoluene
Concen: 4.917 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 42113
Ion Ratio Lower Upper
91 100
126 31.9 17.5 52.6

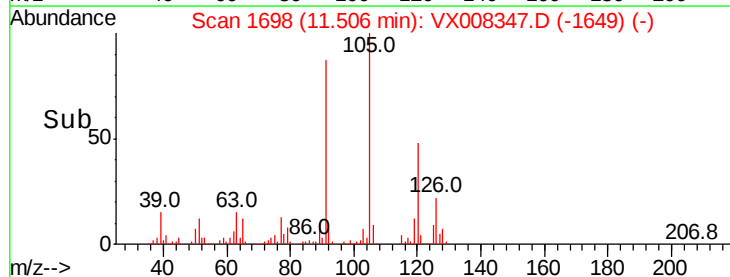
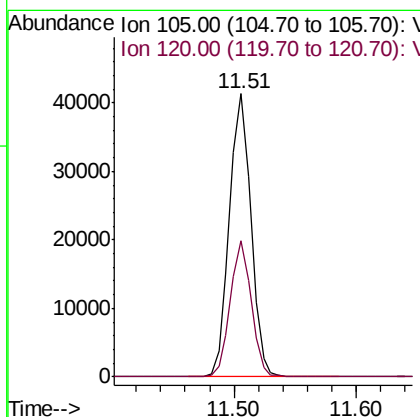
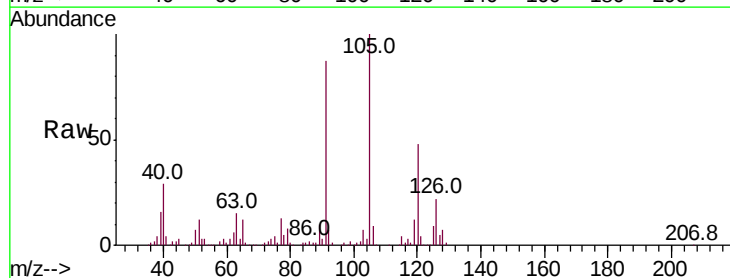
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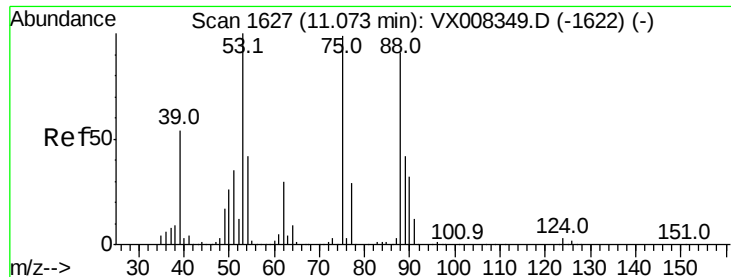
MMDadoda
3/25/2019 11:16:38 AM



#80
1,3,5-Trimethylbenzene
Concen: 4.970 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion: 105 Resp: 50447
Ion Ratio Lower Upper
105 100
120 46.4 24.9 74.6





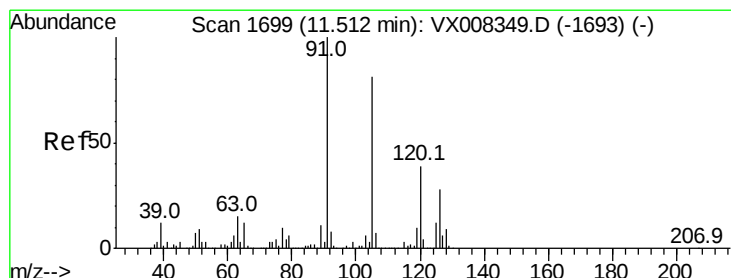
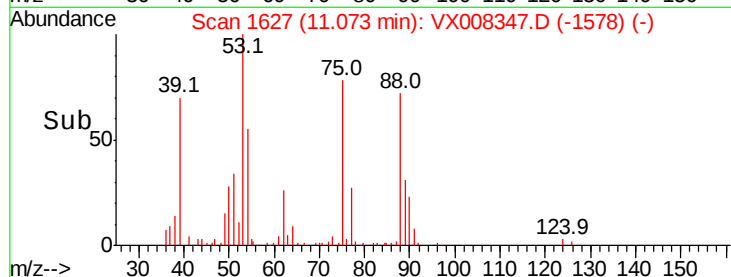
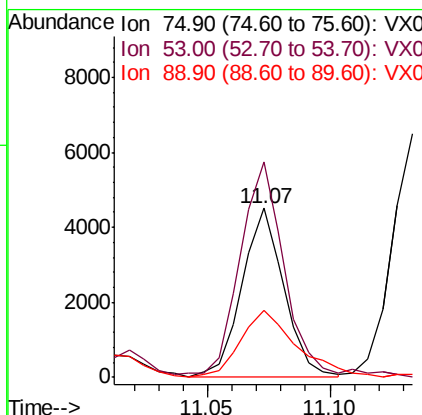
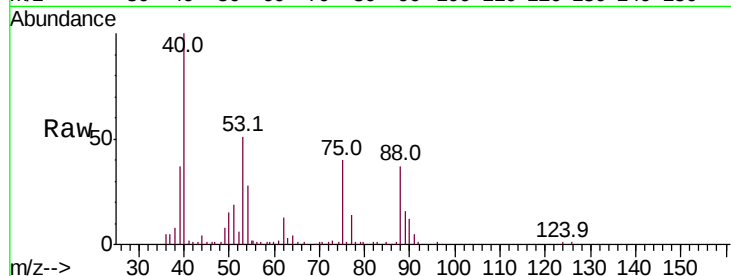
#81
trans-1,4-Dichloro-2-butene
Concen: 4.000 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 5422
Ion Ratio Lower Upper
75 100
53 136.4 76.1 114.1#
89 52.9 36.3 54.5

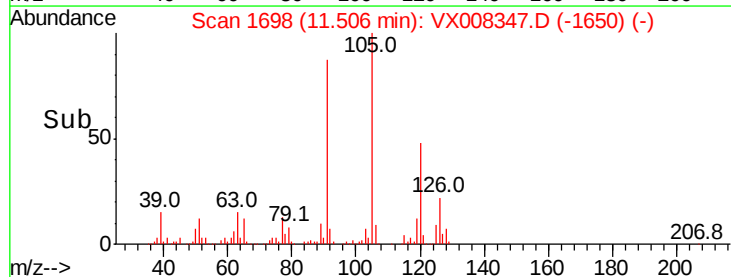
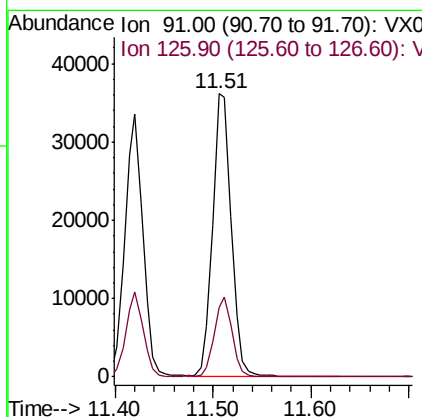
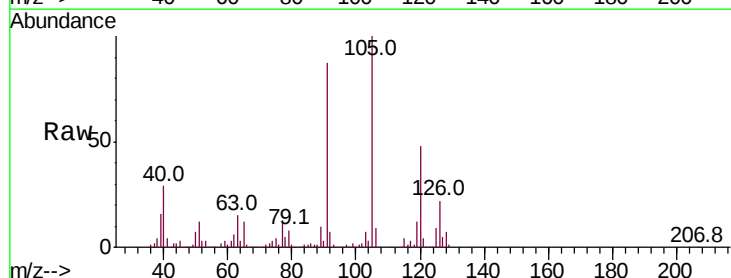
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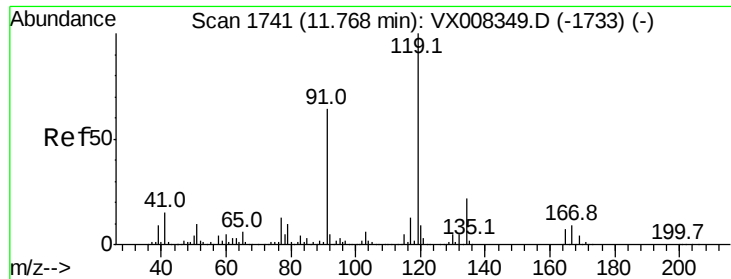
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.860 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion: 91 Resp: 48440
Ion Ratio Lower Upper
91 100
126 27.0 15.6 46.8





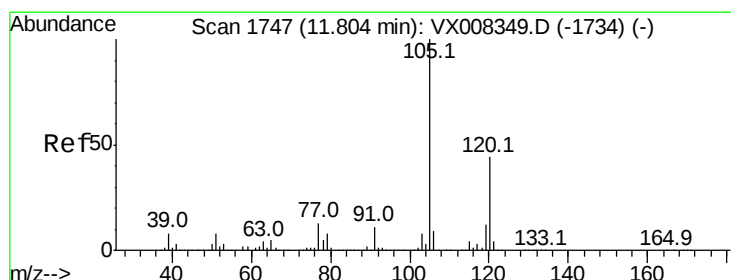
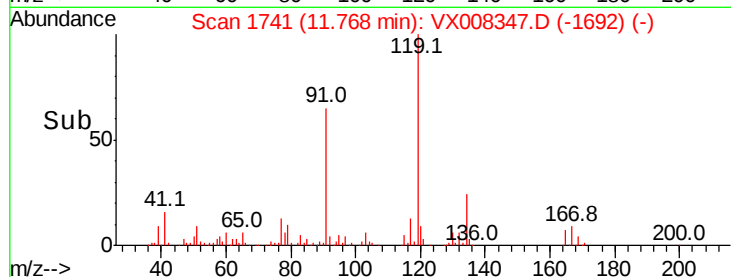
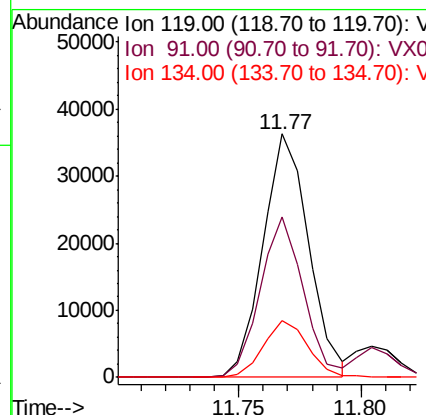
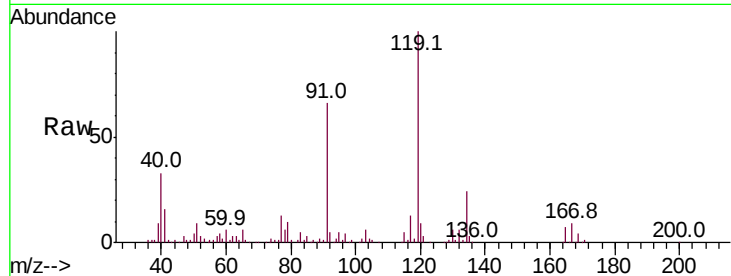
#83
tert-Butylbenzene
Concen: 4.857 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	27.1	81.3
134	23.0	11.4	34.1

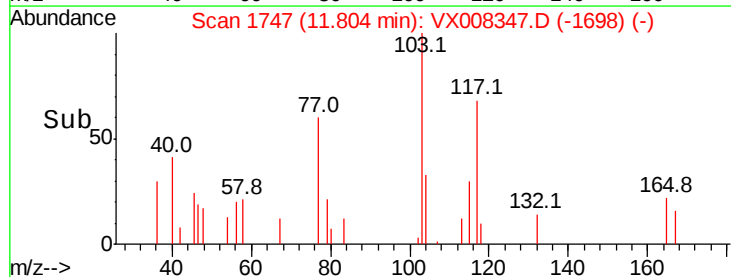
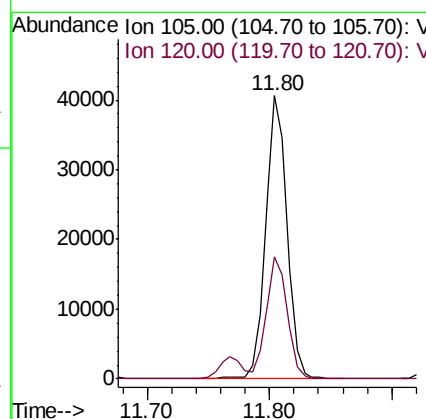
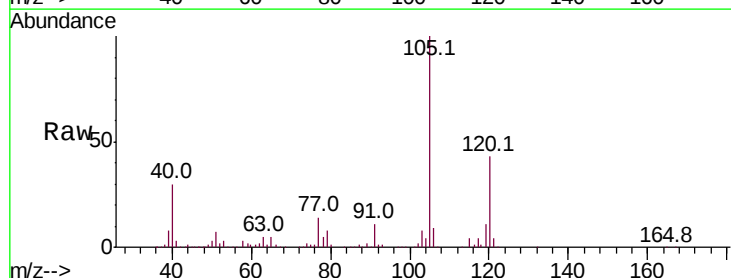
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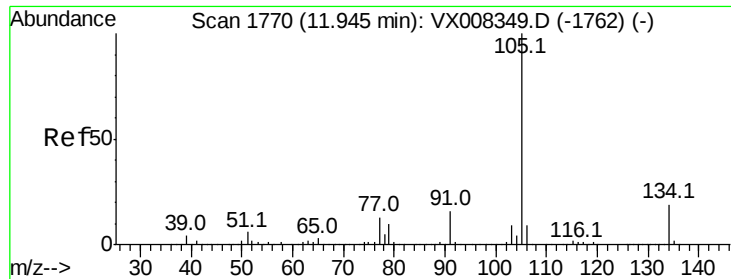
MMDadoda
3/25/2019 11:16:38 AM



#84
1,2,4-Trimethylbenzene
Concen: 4.838 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.4	22.6	67.7





#85

sec-Butylbenzene

Concen: 4.696 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 56351

Ion Ratio Lower Upper

105 100

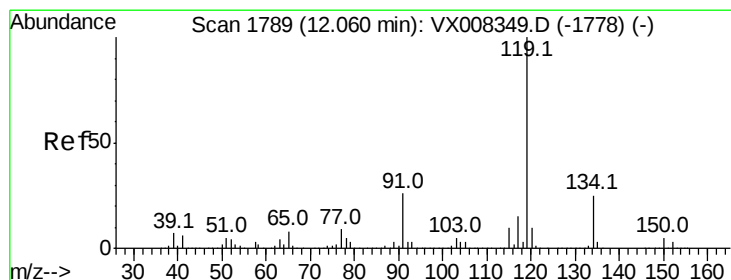
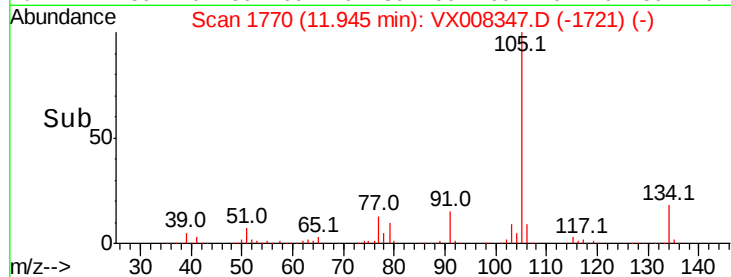
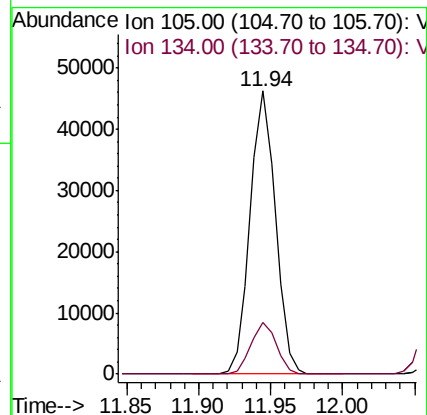
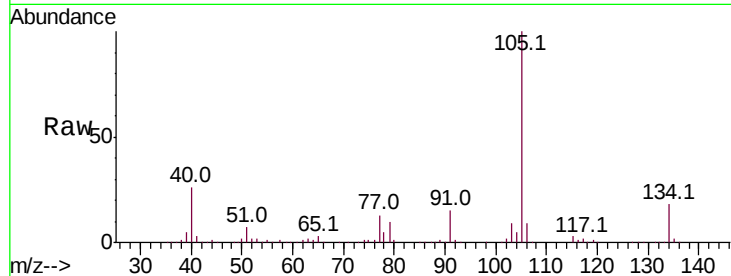
134 18.3 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.722 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

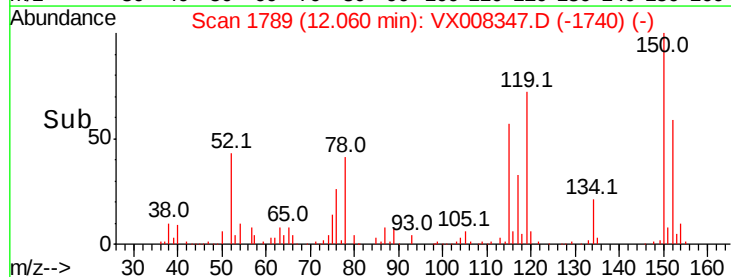
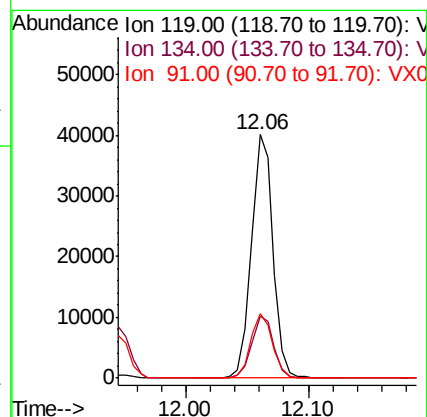
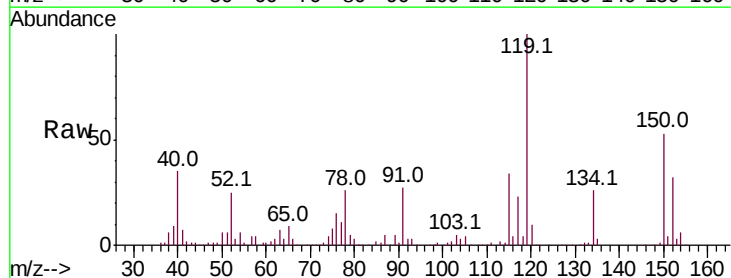
Tgt Ion:119 Resp: 49054

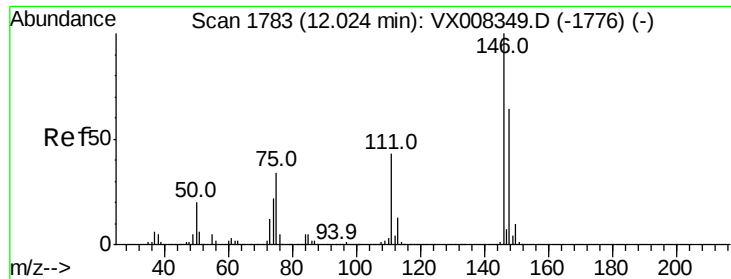
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

91 27.3 10.9 32.7





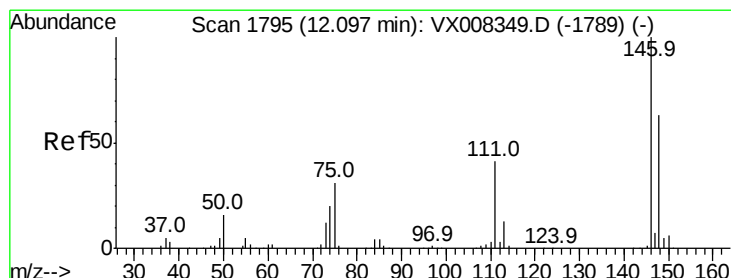
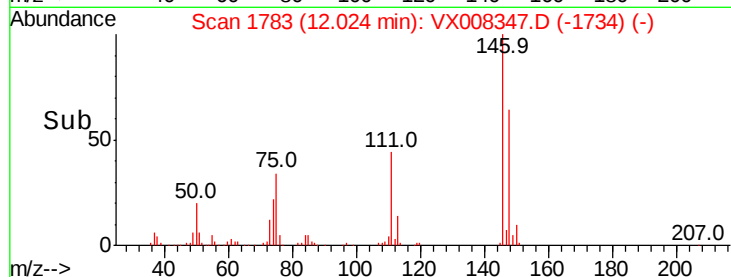
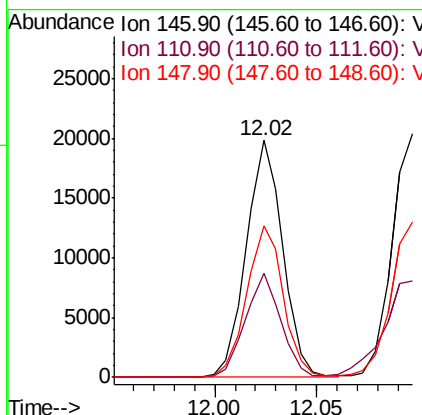
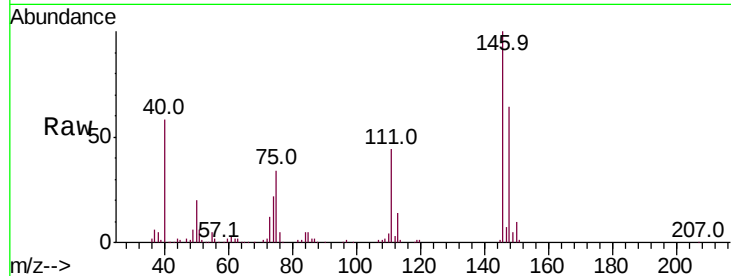
#87
 1,3-Dichlorobenzene
 Concen: 4.635 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	18.9	56.7
148	64.4	31.7	95.1

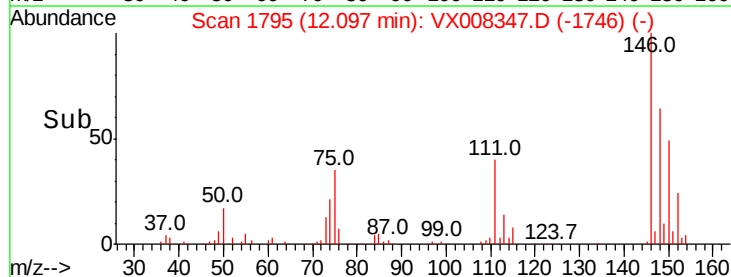
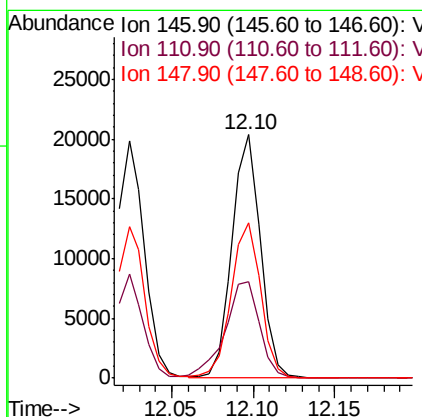
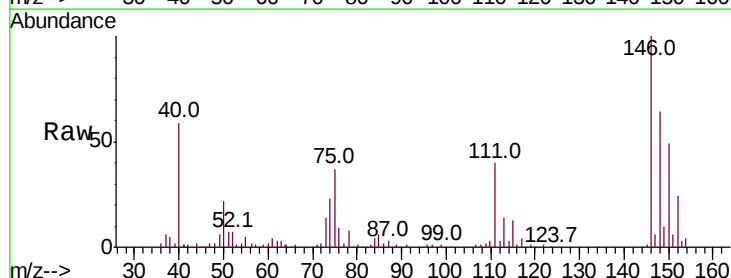
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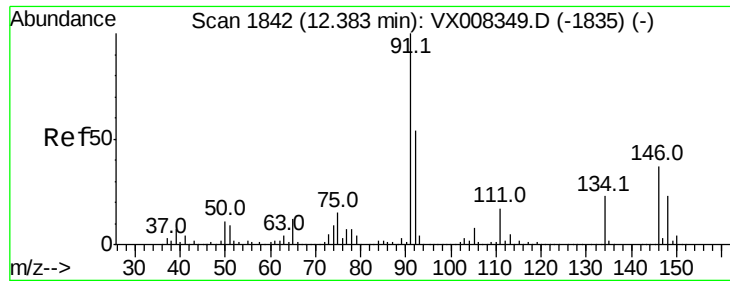
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#88
 1,4-Dichlorobenzene
 Concen: 4.515 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.5	18.4	55.0
148	66.5	32.2	96.6





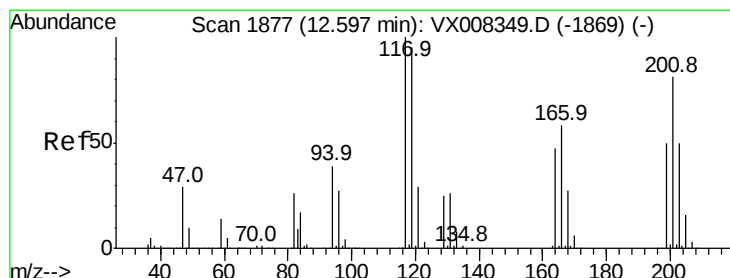
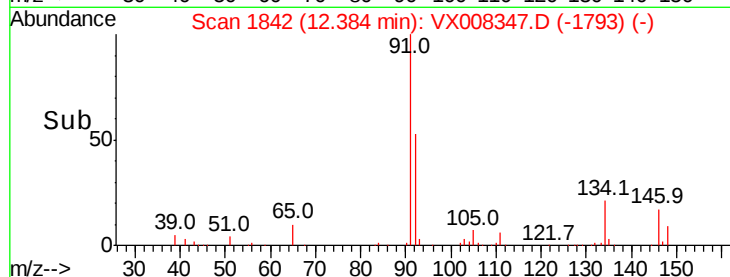
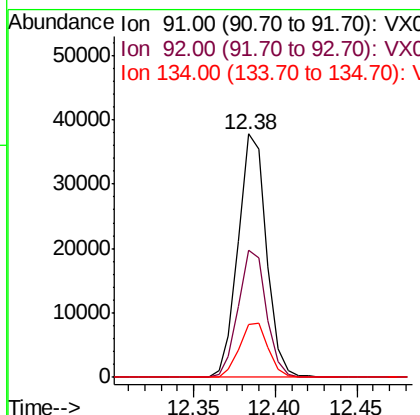
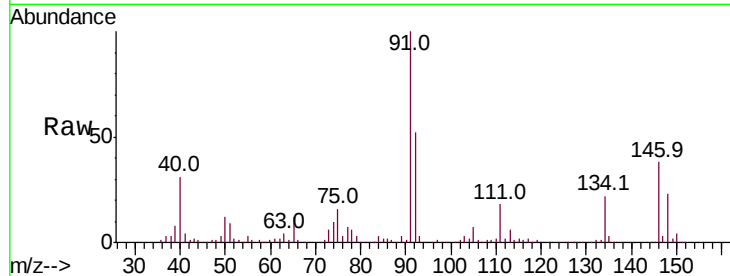
#89
n-Butylbenzene
Concen: 4.701 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	27.0	80.8
134	22.6	13.7	41.0

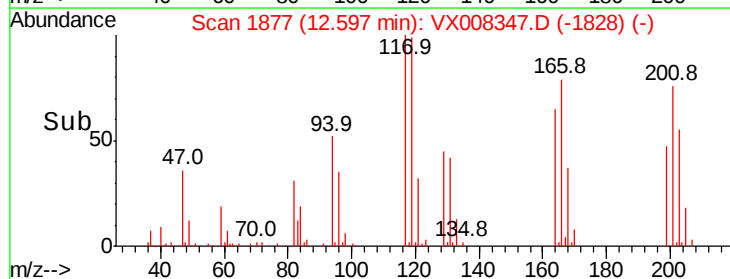
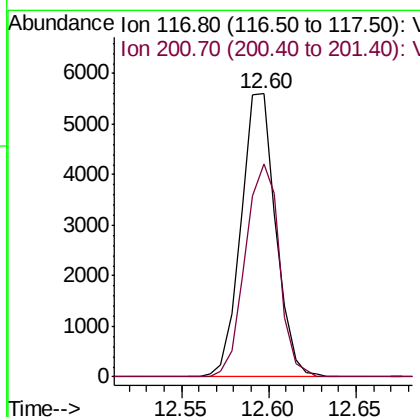
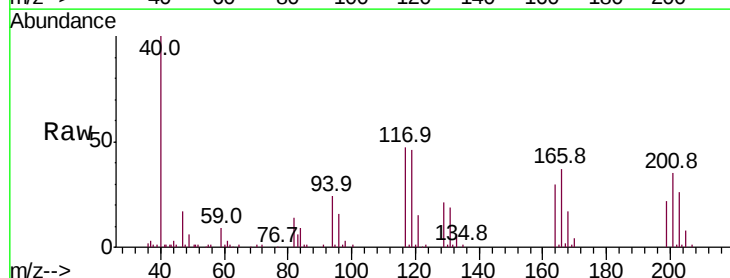
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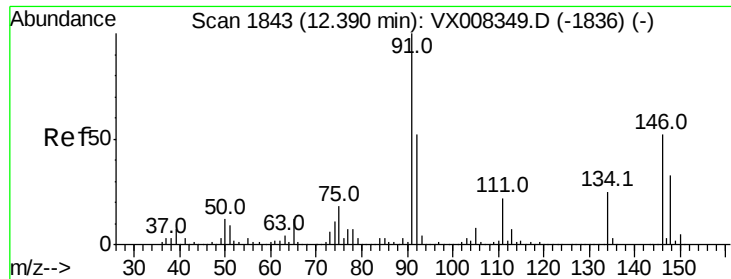
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#90
Hexachloroethane
Concen: 4.366 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.8	48.9	146.7





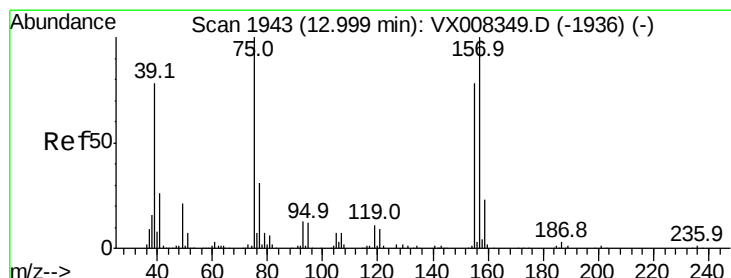
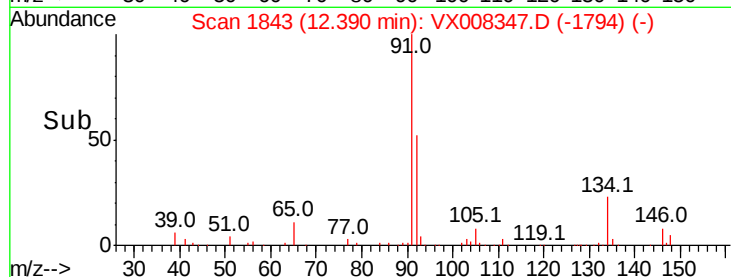
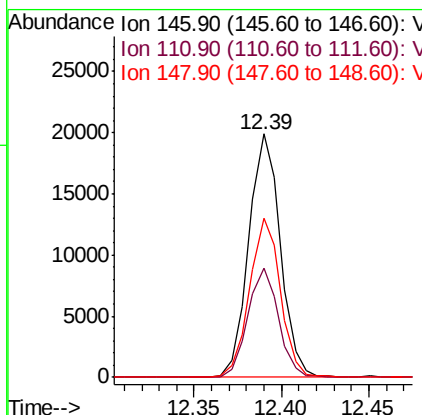
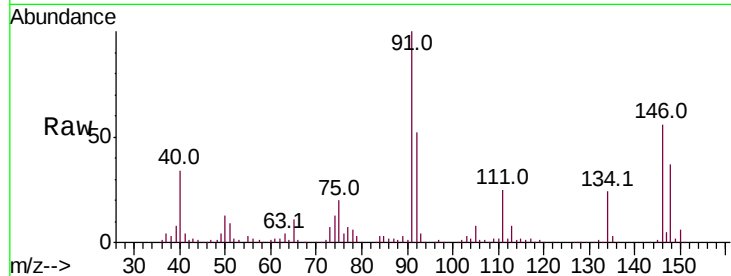
#91
 1,2-Dichlorobenzene
 Concen: 4.677 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	19.6	58.8
148	63.9	31.9	95.5

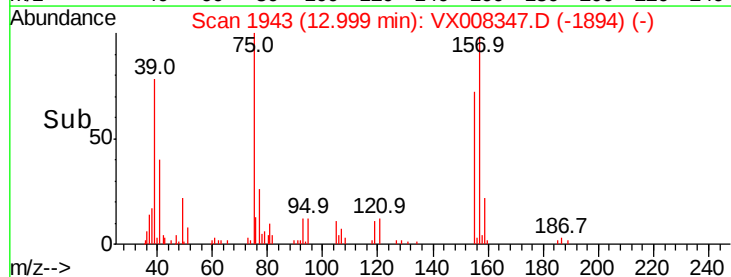
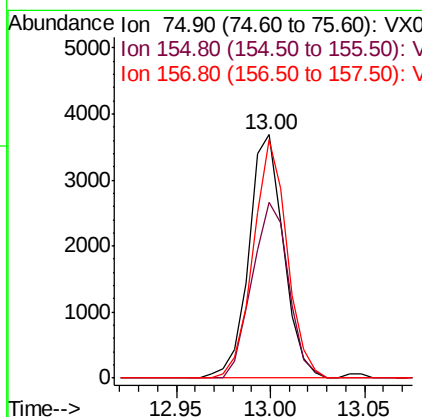
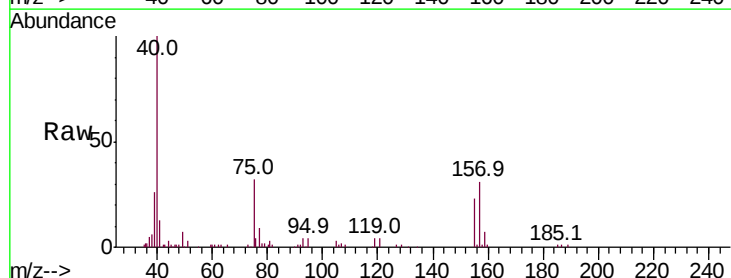
Manual Integrations
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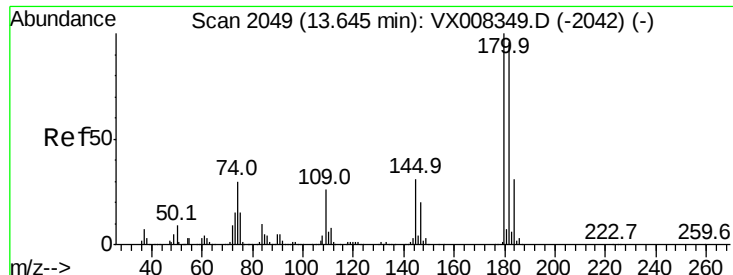
MMDadoda
 3/25/2019 11:16:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.796 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008347.D
 Acq: 23 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	49.7	149.1
157	95.5	63.8	191.4





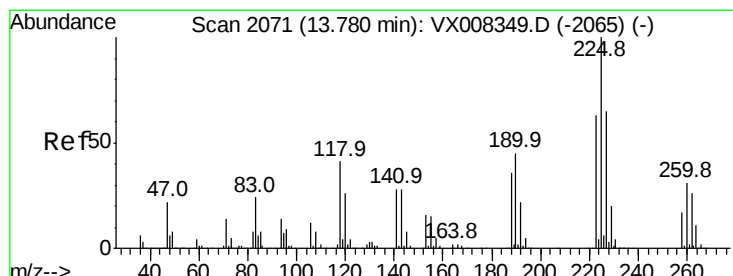
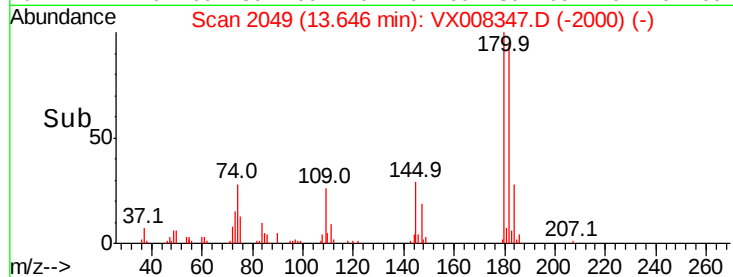
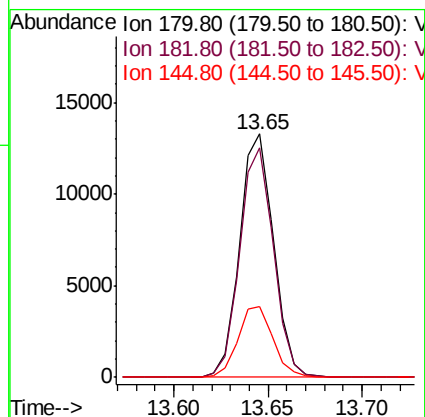
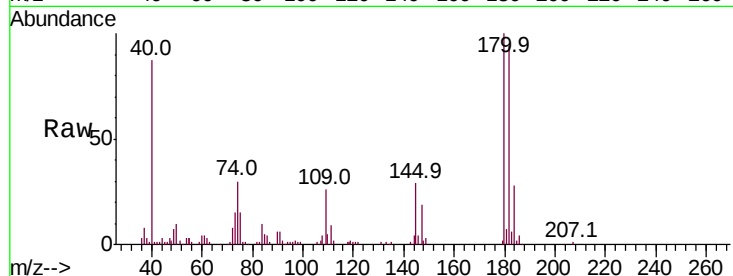
#93
1,2,4-Trichlorobenzene
Concen: 4.691 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.0	47.9	143.7	
145	30.2	14.1	42.4	

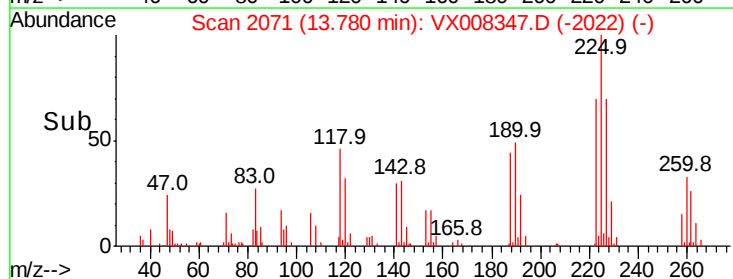
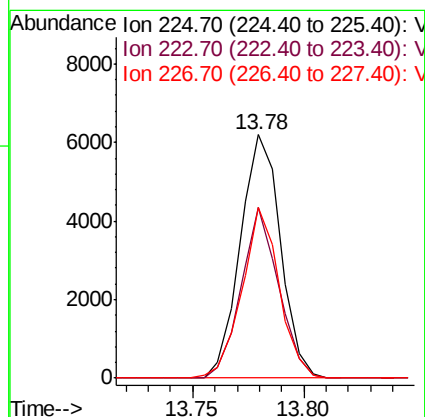
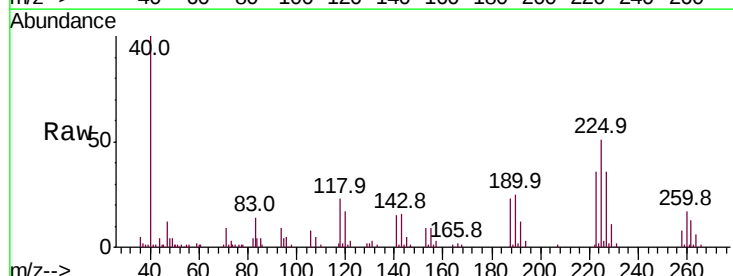
Manual Integrations
APPROVED

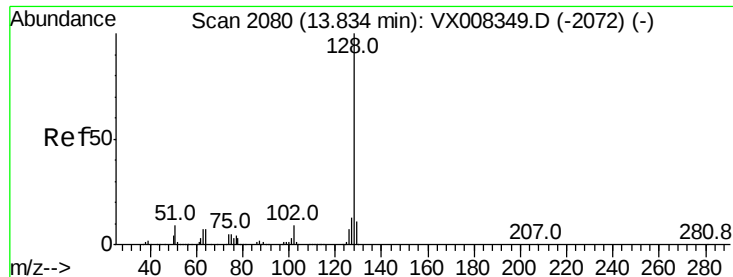
MMDadoda
3/25/2019 11:16:38 AM



#94
Hexachlorobutadiene
Concen: 4.543 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008347.D
Acq: 23 Mar 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.0	31.1	93.2	
227	65.0	32.0	96.0	





#95

Naphthalene

Concen: 5.101 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Instrument :

MSVOA_X

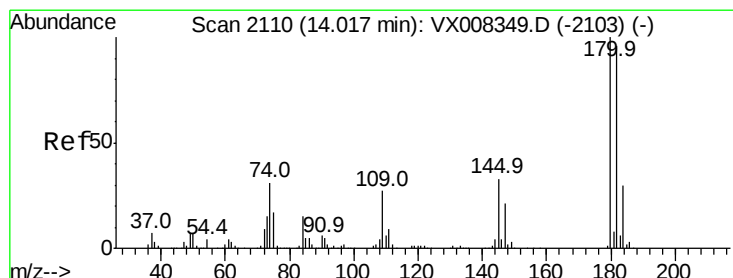
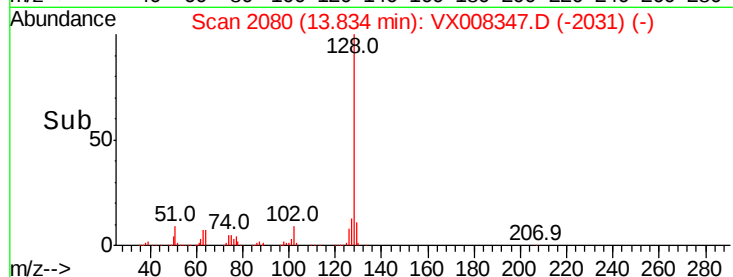
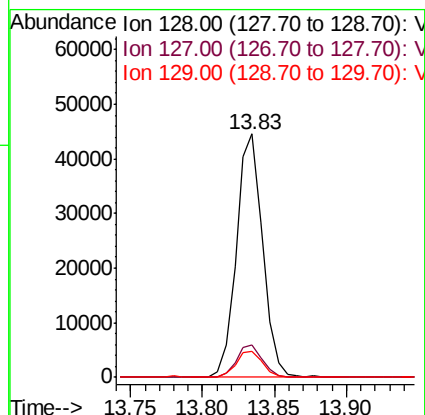
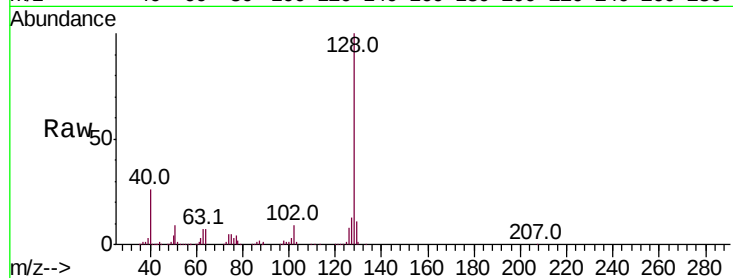
ClientSampleId :

VSTDIC005

Tot Ion:128	Resp:	56764
Ion Ratio	Lower	Upper
128 100		
127 13.0	10.3	15.5
129 10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 11:16:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.799 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008347.D

Acq: 23 Mar 2019 13:32

Tgt Ion:180	Resp:	16650
Ion Ratio	Lower	Upper
180 100		
182 95.9	47.5	142.5
145 32.7	14.8	44.3

