

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102519\
 Data File : VX013237.D
 Acq On : 25 Oct 2019 17:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:53:06 PM

Quant Time: Oct 26 01:21:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	75586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	109508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	110464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	74529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	81767	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	5.48	113	64292	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
50) Toluene-d8	8.71	98	229376	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.14	95	91135	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	73697	48.320	ug/l	98
3) Chloromethane	1.32	50	56899	45.393	ug/l	97
4) Vinyl Chloride	1.40	62	63562	46.309	ug/l	96
5) Bromomethane	1.63	94	29098	39.996	ug/l	97
6) Chloroethane	1.71	64	40767	53.238	ug/l	96
7) Trichlorofluoromethane	1.92	101	113418	52.351	ug/l	98
8) Diethyl Ether	2.18	74	36457	49.078	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	66121	49.294	ug/l	99
10) Methyl Iodide	2.50	142	62540	37.928	ug/l	99
11) Tert butyl alcohol	3.04	59	93978	274.117	ug/l	99
12) 1,1-Dichloroethene	2.36	96	62521	48.556	ug/l	97
13) Acrolein	2.28	56	45858	247.235	ug/l	98
14) Allyl chloride	2.72	41	96664	47.686	ug/l	98
15) Acrylonitrile	3.13	53	175927	252.466	ug/l	99
16) Acetone	2.44	43	174442	234.212	ug/l	97
17) Carbon Disulfide	2.56	76	157324	45.447	ug/l	100
18) Methyl Acetate	2.76	43	85116	52.291	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	230756	50.891	ug/l	99
20) Methylene Chloride	2.84	84	72690	52.177	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	67599	50.453	ug/l	91
22) Diisopropyl ether	3.84	45	196183	49.496	ug/l	96
23) Vinyl Acetate	3.80	43	854987	253.790	ug/l	100
24) 1,1-Dichloroethane	3.69	63	119800	49.140	ug/l	99
25) 2-Butanone	4.66	43	242116	242.393	ug/l	100
26) 2,2-Dichloropropane	4.57	77	109217	48.473	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	77335	49.042	ug/l	99
28) Bromochloromethane	5.01	49	33336	53.029	ug/l	100
29) Tetrahydrofuran	5.12	42	148598	246.810	ug/l	99
30) Chloroform	5.20	83	133830	51.558	ug/l	98
31) Cyclohexane	5.57	56	99068	48.455	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	121630	52.701	ug/l	99
36) 1,1-Dichloropropene	5.79	75	95860	52.298	ug/l	100
37) Ethyl Acetate	4.82	43	92109	50.474	ug/l	100
38) Carbon Tetrachloride	5.78	117	103685	51.225	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	111426	47.530	ug/l	97
40) Benzene	6.13	78	273356	49.697	ug/l	98
41) Methacrylonitrile	5.03	41	51435	52.572	ug/l	99
42) 1,2-Dichloroethane	6.19	62	108961	52.540	ug/l	100
43) Isopropyl Acetate	6.44	43	154398	50.959	ug/l	99
44) Trichloroethene	7.20	130	76769	49.176	ug/l	99
45) 1,2-Dichloropropane	7.51	63	67254	48.818	ug/l	97
46) Dibromomethane	7.65	93	49051	49.419	ug/l	99
47) Bromodichloromethane	7.89	83	101678	52.566	ug/l	98
48) Methyl methacrylate	7.76	41	75088	50.142	ug/l	99
49) 1,4-Dioxane	7.73	88	41293	1083.422	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	476584	258.061	ug/l	99
52) Toluene	8.78	92	178734	49.032	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	111365	54.178	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	117871	52.419	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	72916	50.594	ug/l	97
56) Ethyl methacrylate	9.17	69	114154	52.627	ug/l	99
57) 1,3-Dichloropropane	9.37	76	121575	49.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	228781	270.307	ug/l	100
59) 2-Hexanone	9.49	43	369959	260.064	ug/l	99
60) Dibromochloromethane	9.58	129	81735	54.124	ug/l	98
61) 1,2-Dibromoethane	9.67	107	78956	51.606	ug/l	98
64) Tetrachloroethene	9.33	164	73358	53.975	ug/l	98
65) Chlorobenzene	10.14	112	190393	49.237	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	76303	53.416	ug/l	97
67) Ethyl Benzene	10.25	91	347618	50.215	ug/l	97
68) m/p-Xylenes	10.36	106	259520	99.199	ug/l	99
69) o-Xylene	10.70	106	127798	50.923	ug/l	99
70) Styrene	10.71	104	222271	51.435	ug/l	99
71) Bromoform	10.86	173	58574	56.118	ug/l #	99
73) Isopropylbenzene	11.01	105	342514	50.608	ug/l	99
74) N-amyl acetate	10.89	43	133048	53.562	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	103992	50.604	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	92221m	51.340	ug/l	
77) Bromobenzene	11.25	156	81388	50.175	ug/l	98
78) n-propylbenzene	11.35	91	381014	51.827	ug/l	99
79) 2-Chlorotoluene	11.42	91	238177	51.276	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	304855	54.192	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34395	52.617	ug/l	98
82) 4-Chlorotoluene	11.51	91	261662	49.717	ug/l	99
83) tert-Butylbenzene	11.76	119	284966	51.201	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	303105	53.418	ug/l	99
85) sec-Butylbenzene	11.94	105	334541	52.820	ug/l	100
86) p-Isopropyltoluene	12.06	119	310159	52.125	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	149393	50.980	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	142029	47.603	ug/l	96
89) n-Butylbenzene	12.39	91	261829	53.791	ug/l	94
90) Hexachloroethane	12.59	117	52280	52.465	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	150015	52.060	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	29377	57.486	ug/l	96

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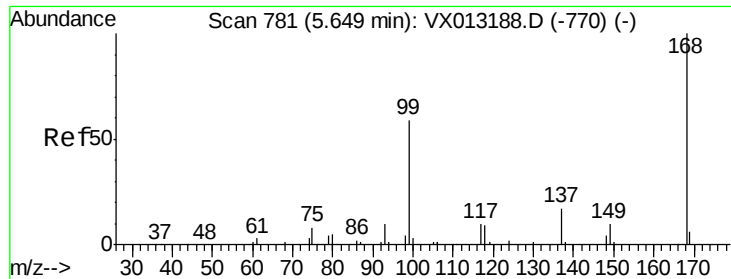
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	92940	51.220	ug/l	97
94) Hexachlorobutadiene	13.78	225	46658	49.709	ug/l	96
95) Naphthalene	13.83	128	303833	54.558	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	92904	51.814	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 75586

Ion Ratio Lower Upper

168 100

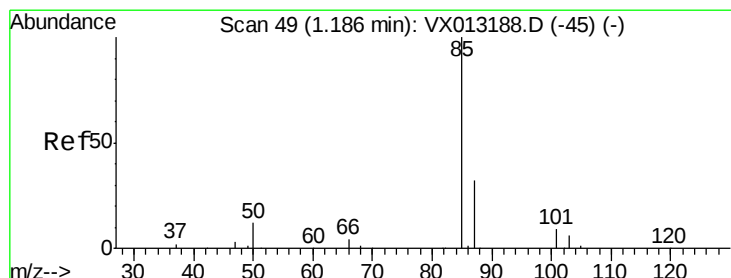
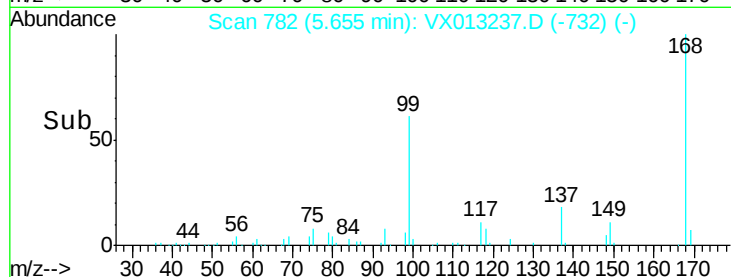
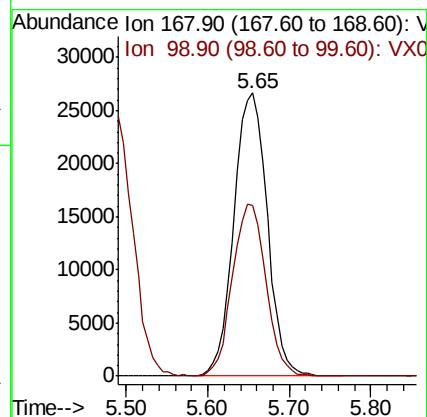
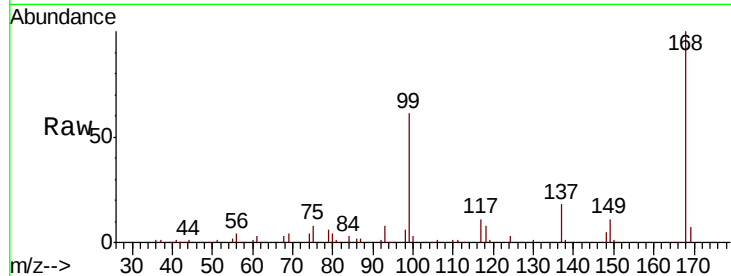
99 60.5 47.0 70.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 48.320 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013237.D

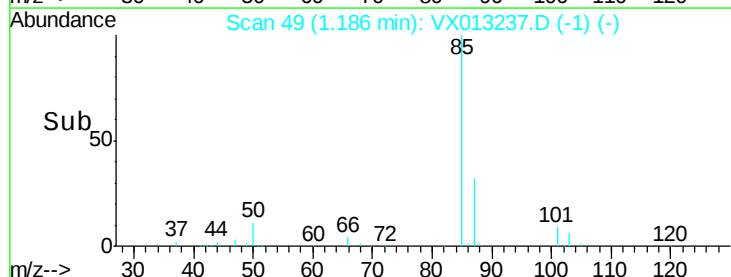
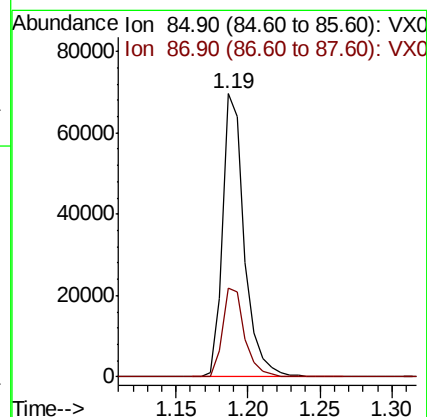
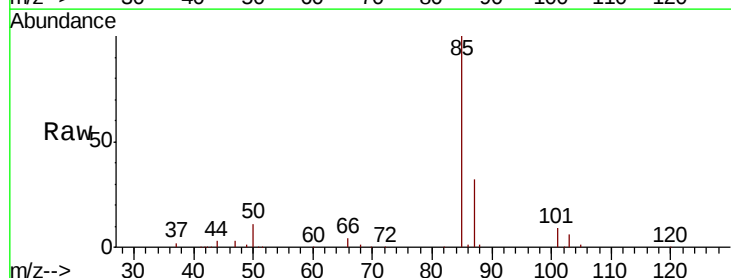
Acq: 25 Oct 2019 17:37

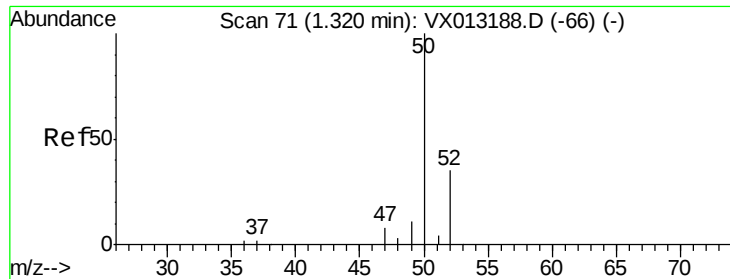
Tgt Ion: 85 Resp: 73697

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.6





#3

Chloromethane

Concen: 45.393 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 56899

Ion Ratio Lower Upper

50 100

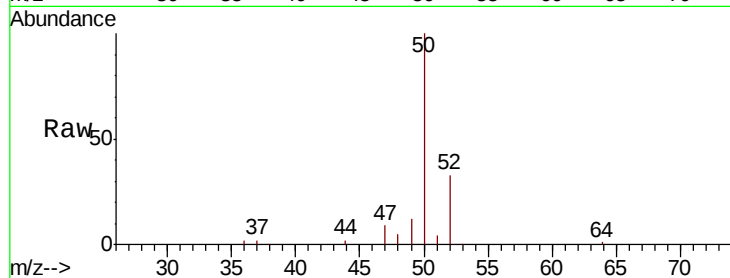
52 33.1 27.8 41.6

Manual Integrations

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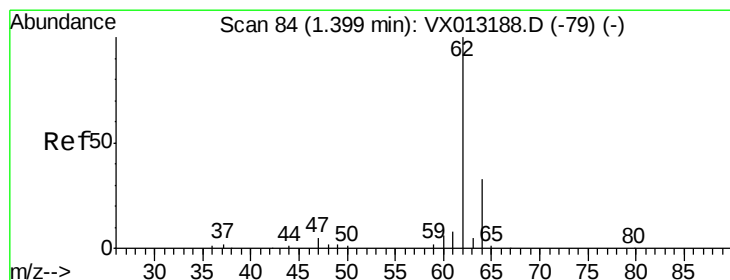
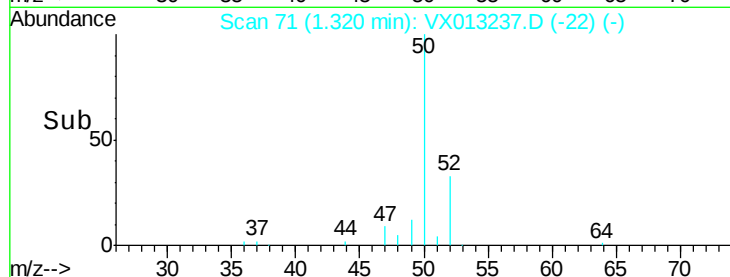
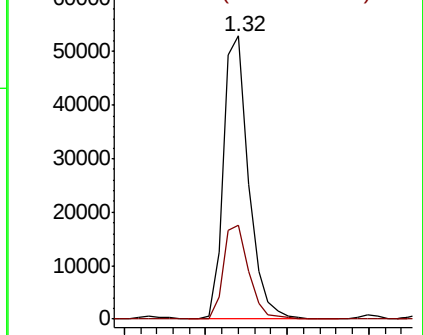
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.309 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013237.D

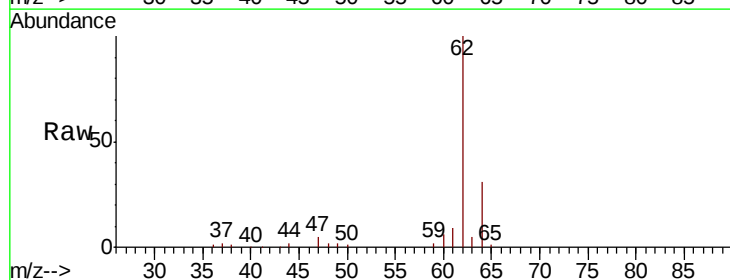
Acq: 25 Oct 2019 17:37

Tgt Ion: 62 Resp: 63562

Ion Ratio Lower Upper

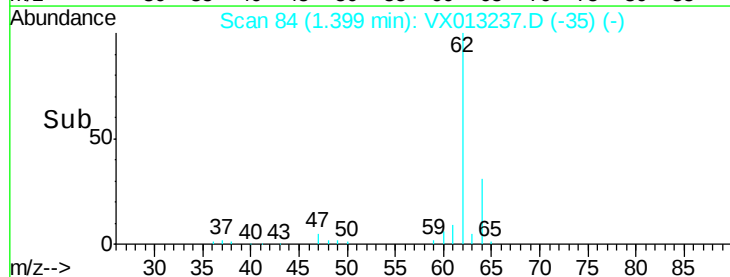
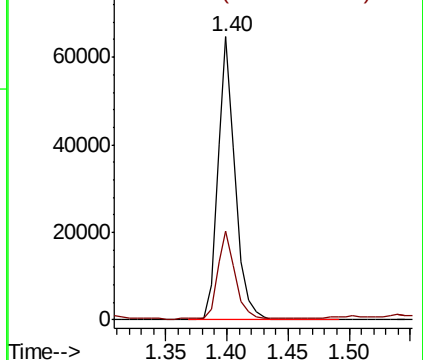
62 100

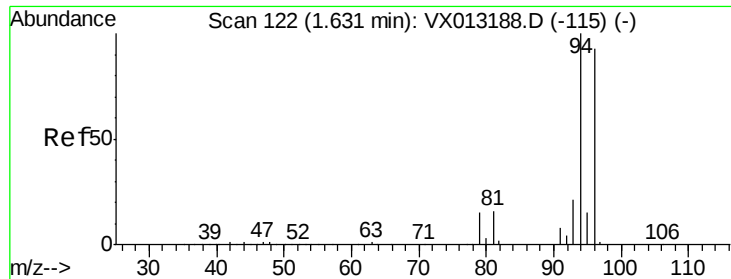
64 30.9 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 39.996 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 29098

Ion Ratio Lower Upper

94 100

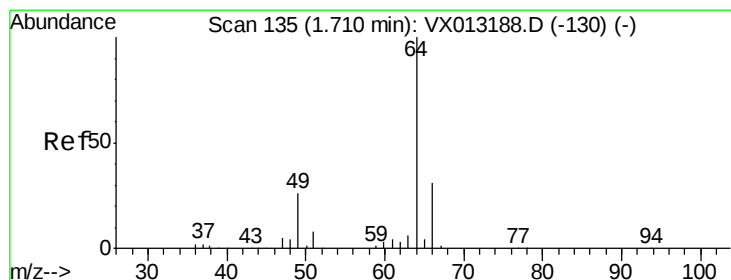
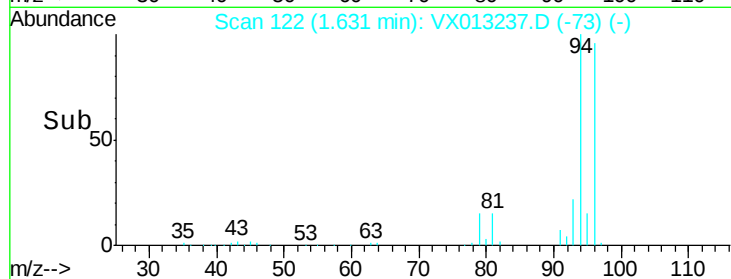
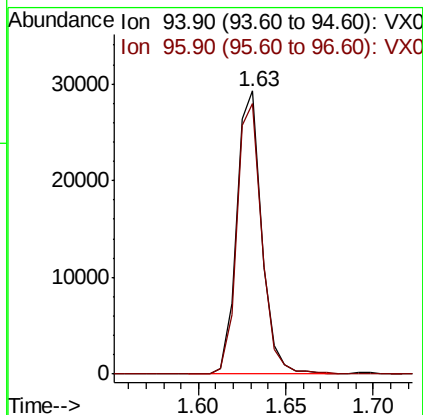
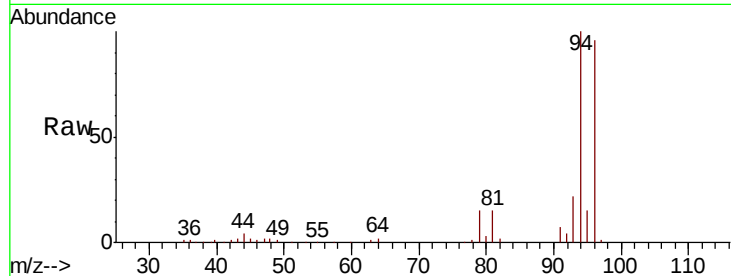
96 95.8 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 53.238 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013237.D

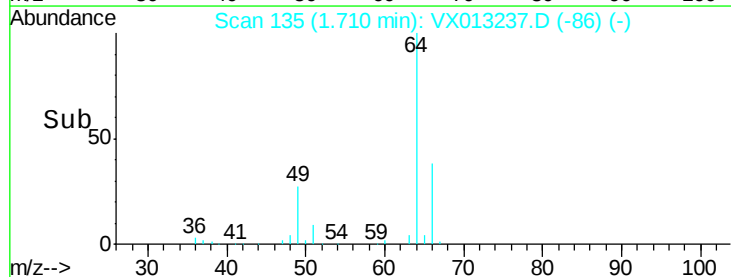
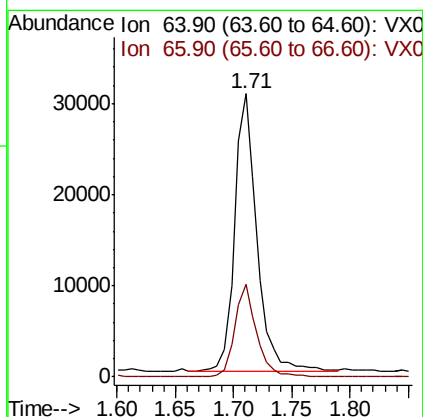
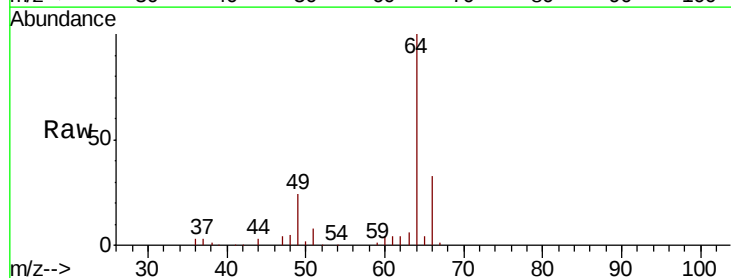
Acq: 25 Oct 2019 17:37

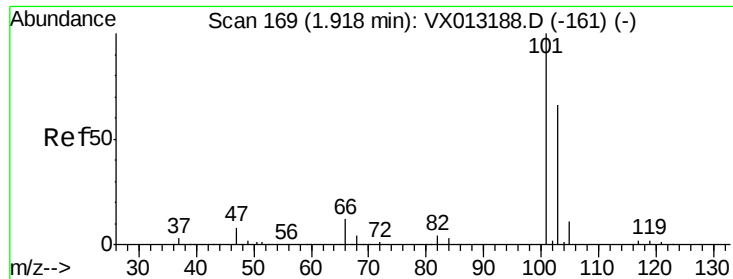
Tgt Ion: 64 Resp: 40767

Ion Ratio Lower Upper

64 100

66 33.4 25.0 37.6





#7

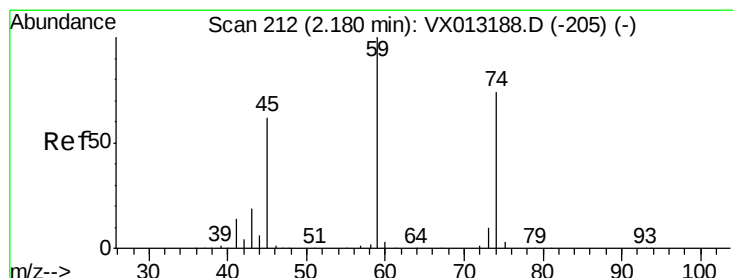
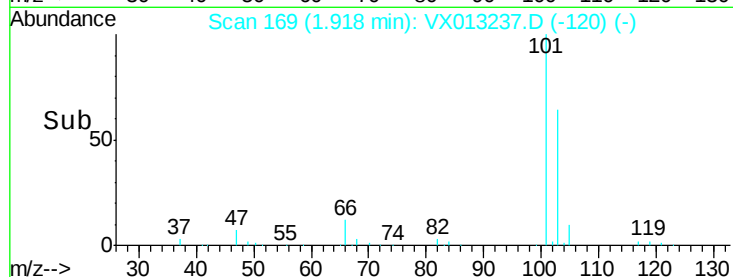
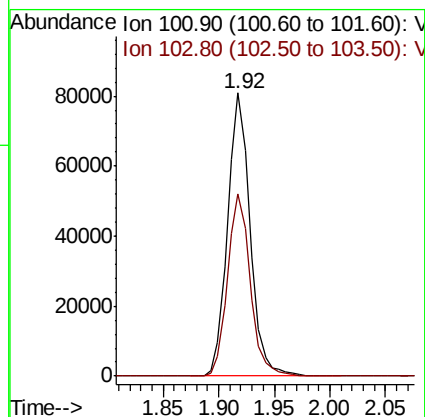
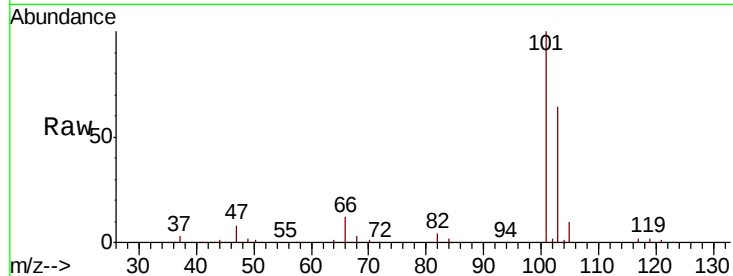
Trichlorofluoromethane
Concen: 52.351 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 113418
Ion Ratio Lower Upper
101 100
103 64.4 53.0 79.6

Manual Integrations
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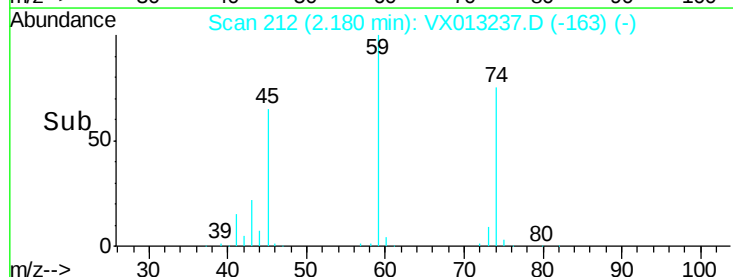
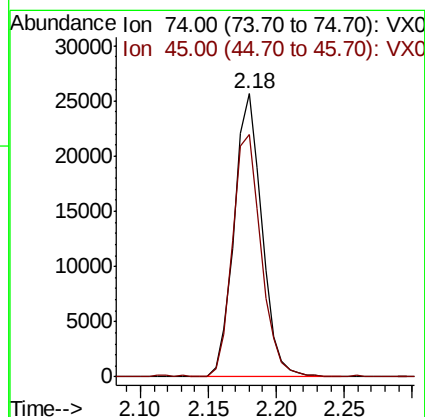
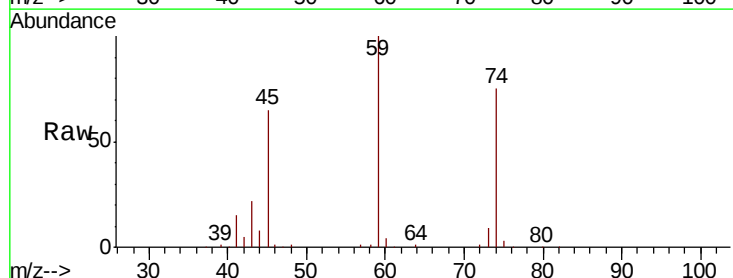
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10/28/2019 12:53:06 PM

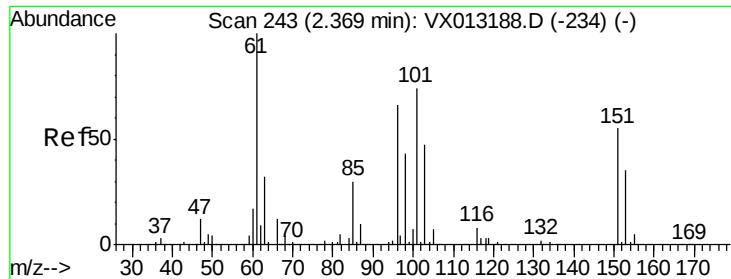


#8

Diethyl Ether
Concen: 49.078 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion: 74 Resp: 36457
Ion Ratio Lower Upper
74 100
45 89.1 44.8 134.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.294 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

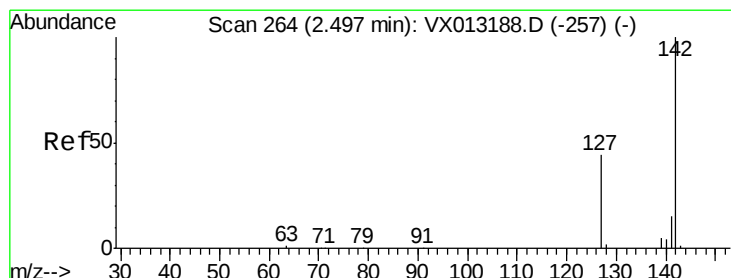
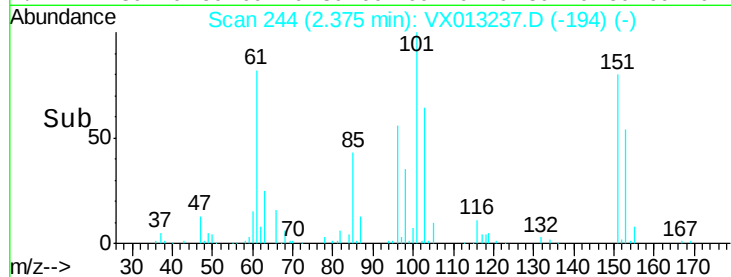
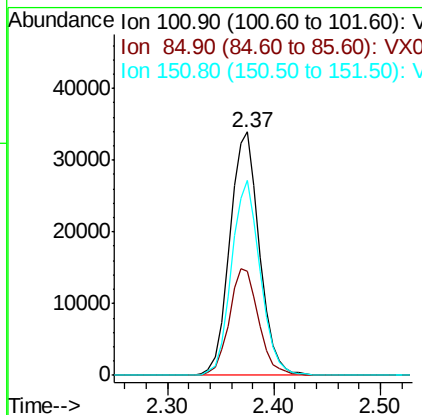
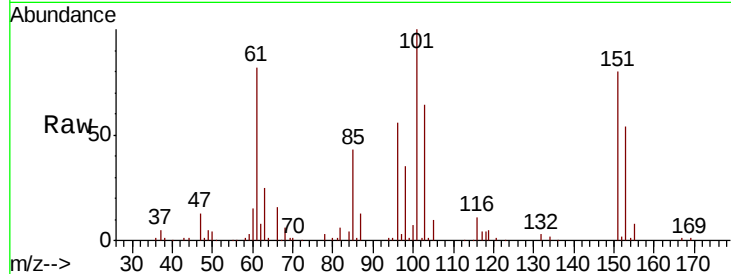
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	66121
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.0	51.0
151	78.0	62.0	93.0

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#10

Methyl Iodide

Concen: 37.928 ug/l

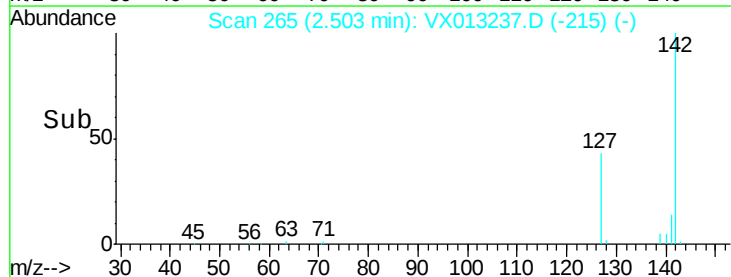
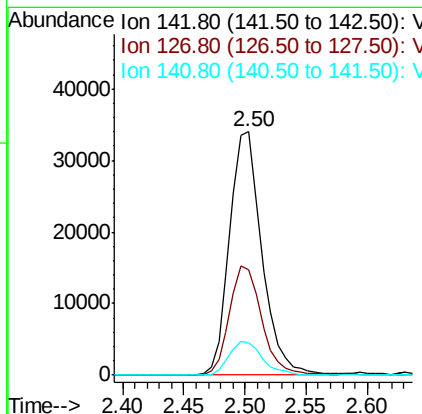
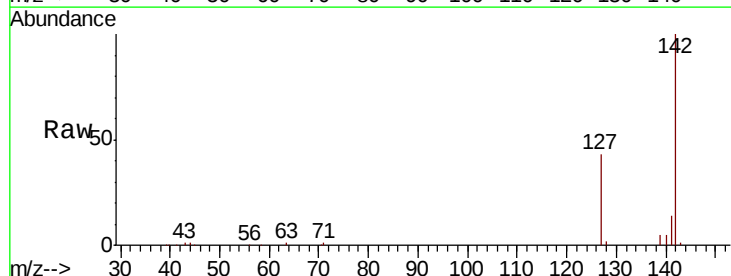
RT: 2.50 min Scan# 265

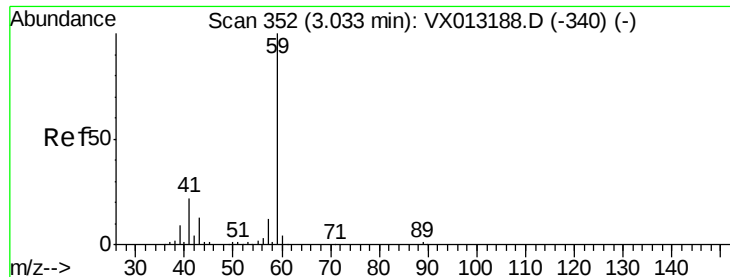
Delta R.T. 0.01 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Tgt Ion:	142	Resp:	62540
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.6	53.4
141	14.1	11.6	17.4





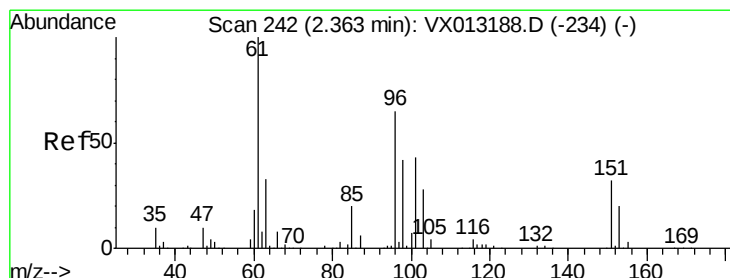
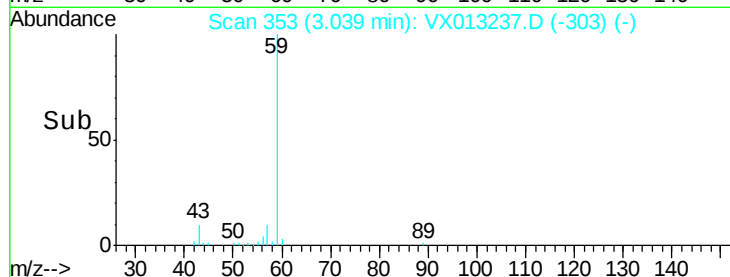
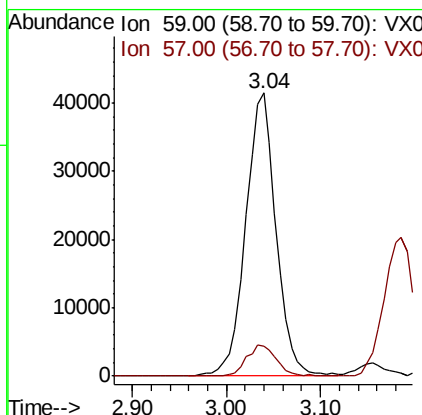
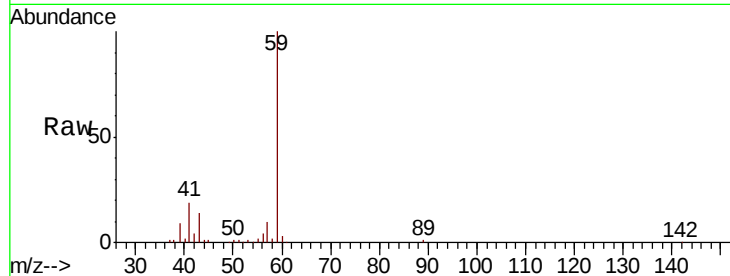
#11
Tert butyl alcohol
Concen: 274.117 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 93978
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

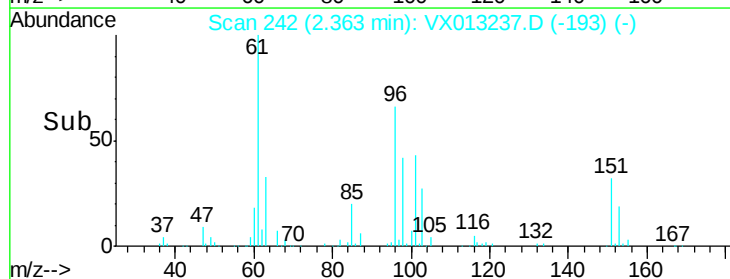
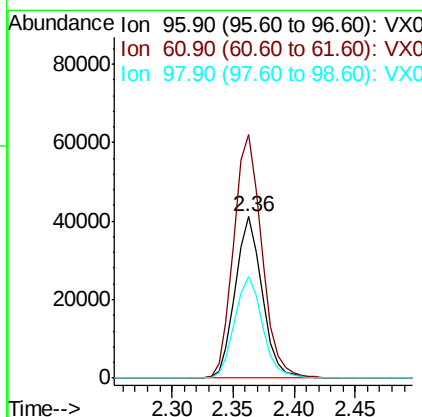
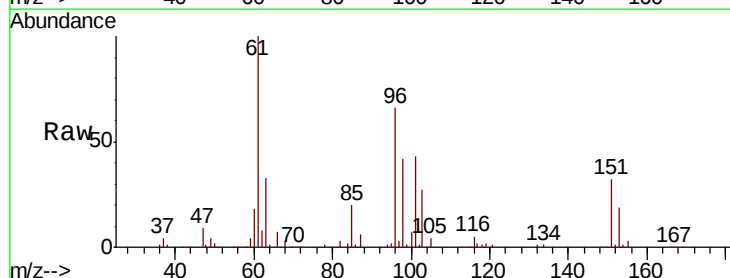
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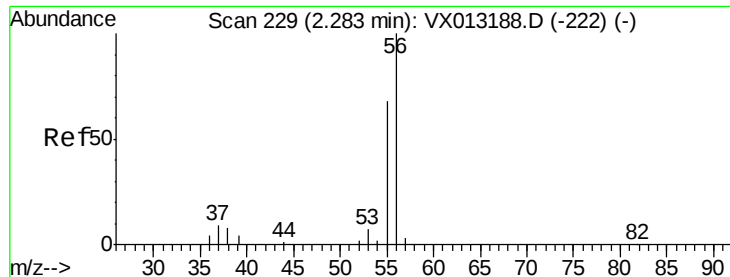
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.556 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion: 96 Resp: 62521
Ion Ratio Lower Upper
96 100
61 151.0 123.8 185.8
98 63.2 51.6 77.4





#13

Acrolein

Concen: 247.235 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45858

Ion Ratio Lower Upper

56 100

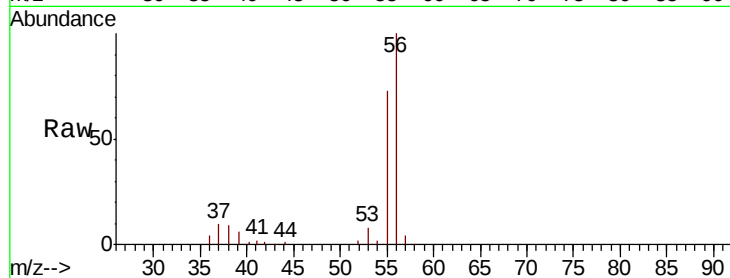
55 71.7 58.9 88.3

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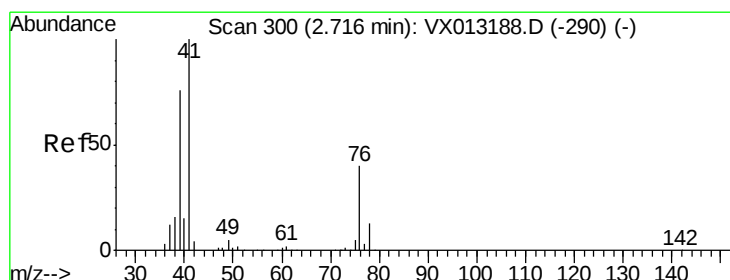
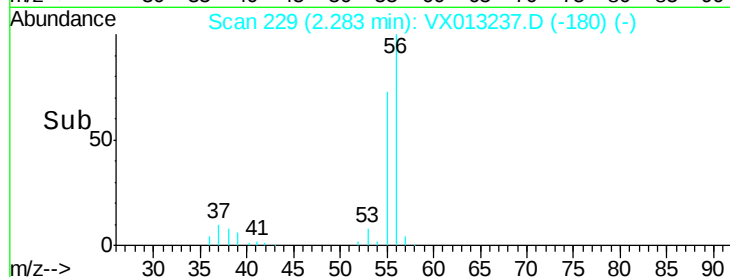
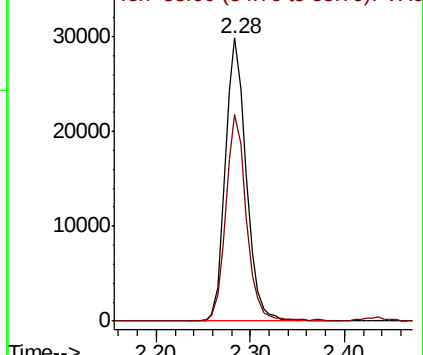
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.686 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

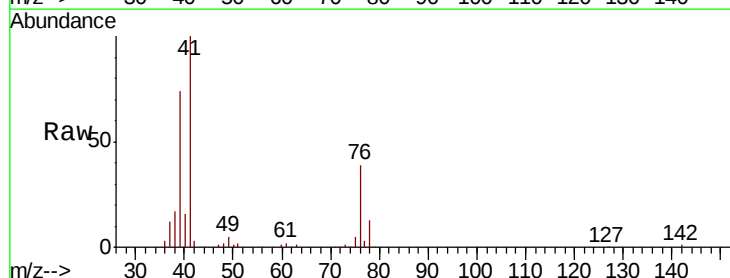
Tgt Ion: 41 Resp: 96664

Ion Ratio Lower Upper

41 100

39 70.3 54.6 81.8

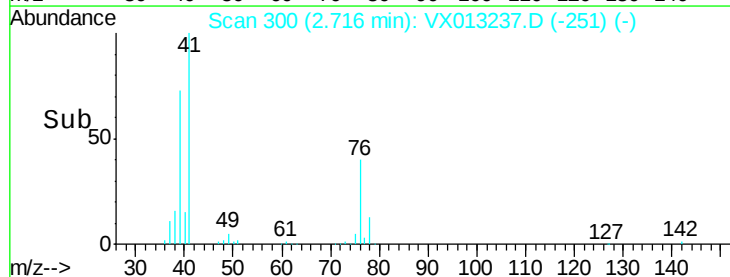
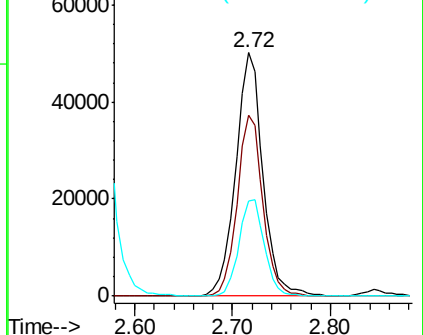
76 37.3 29.8 44.6

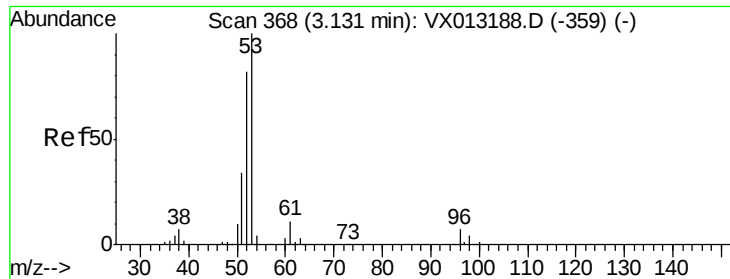


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 252.466 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

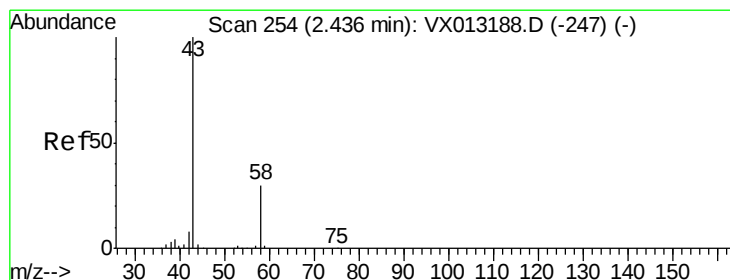
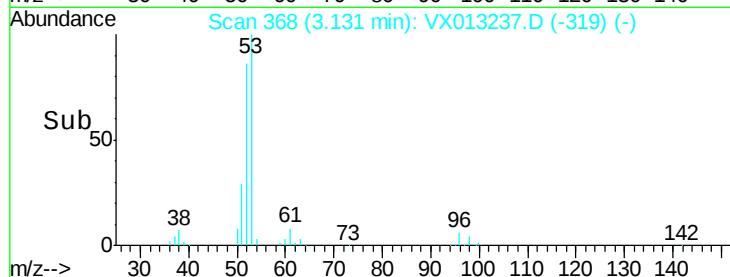
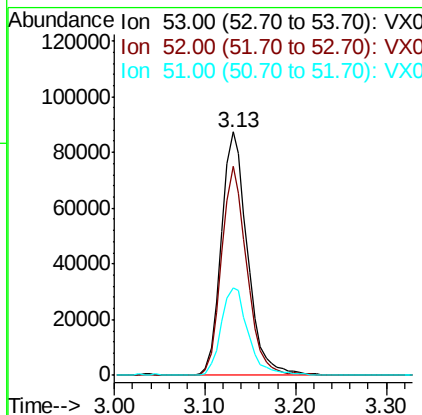
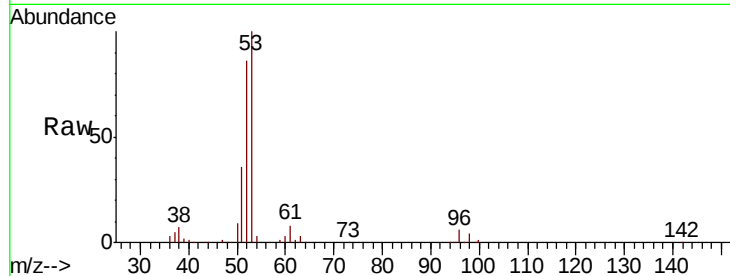
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	175927
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.4	99.6
51	37.5	29.4	44.2

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#16

Acetone

Concen: 234.212 ug/l

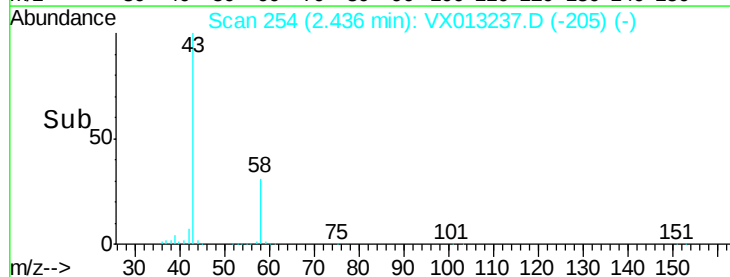
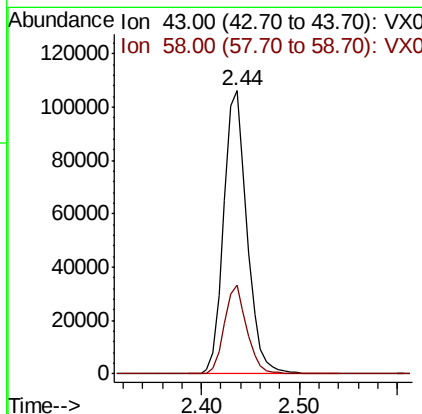
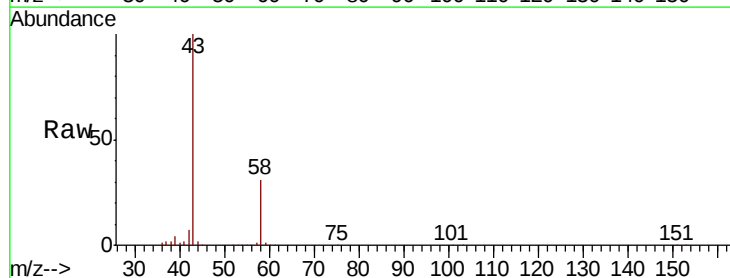
RT: 2.44 min Scan# 254

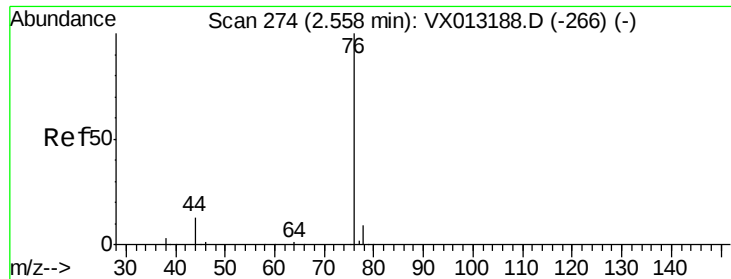
Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Tgt Ion:	43	Resp:	174442
Ion	Ratio	Lower	Upper
43	100		
58	31.4	23.8	35.6





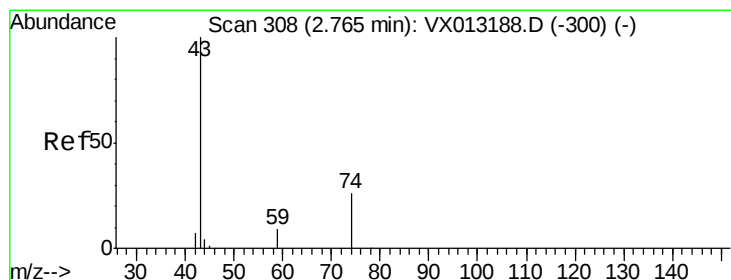
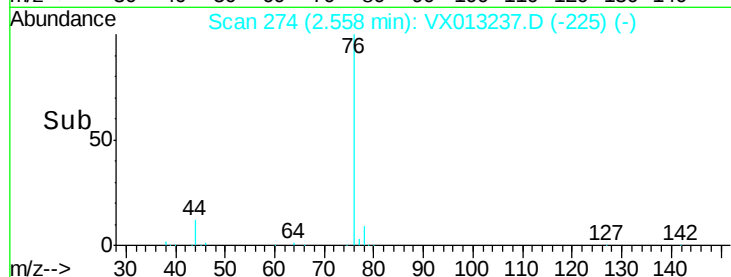
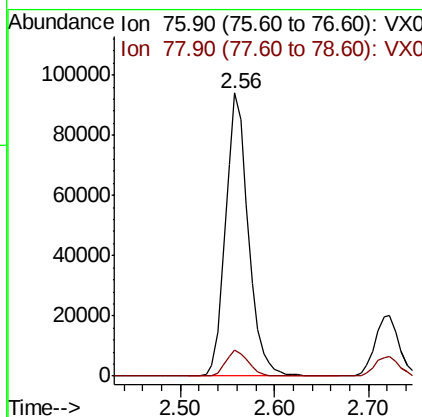
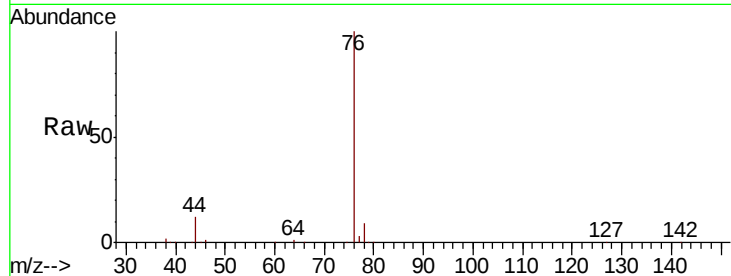
#17
Carbon Disulfide
Concen: 45.447 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

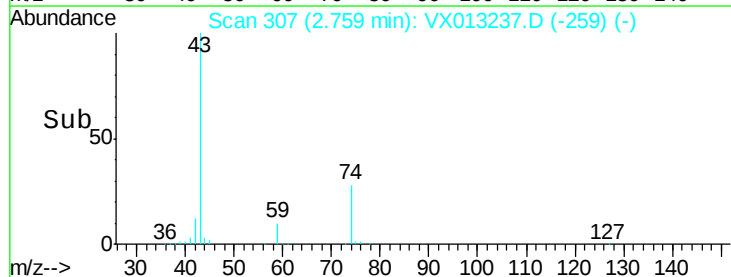
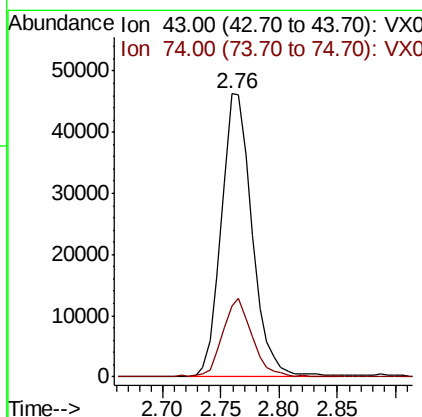
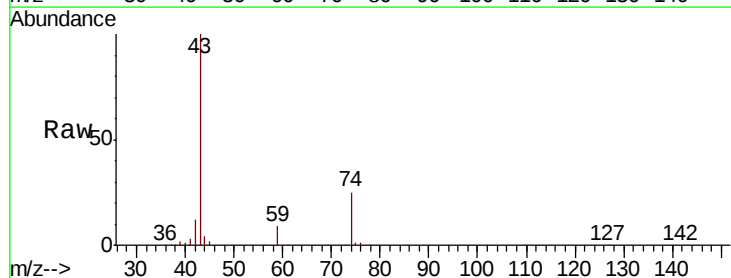
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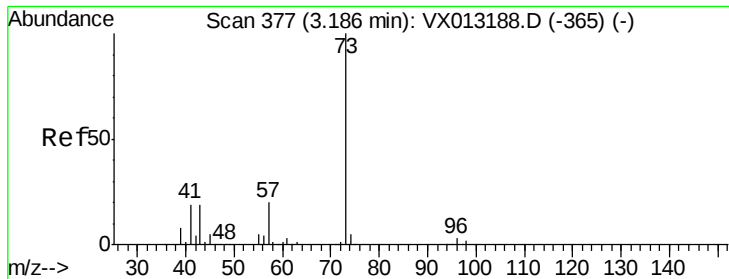
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#18
Methyl Acetate
Concen: 52.291 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	20.9	31.3





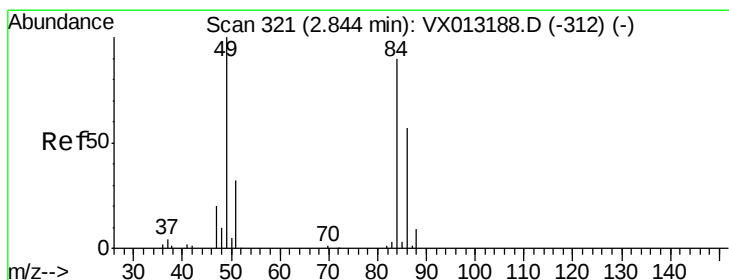
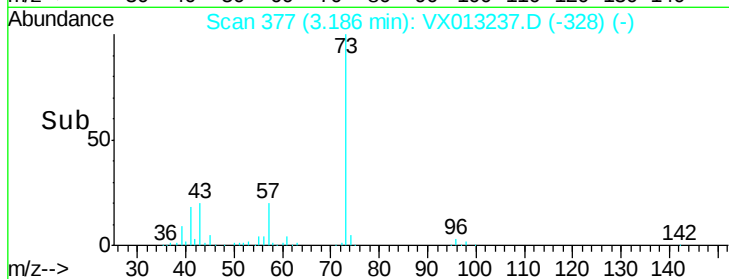
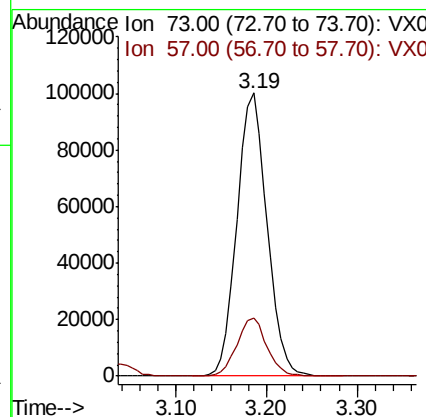
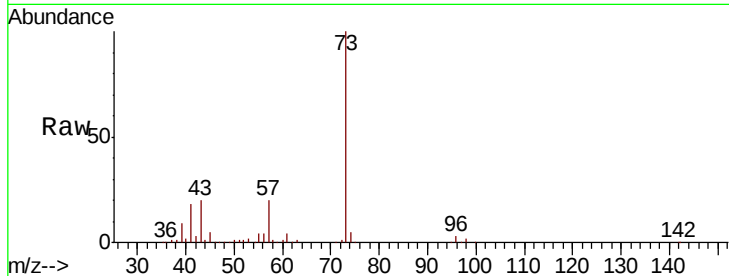
#19
Methyl tert-butyl Ether
Concen: 50.891 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	15.8	23.8

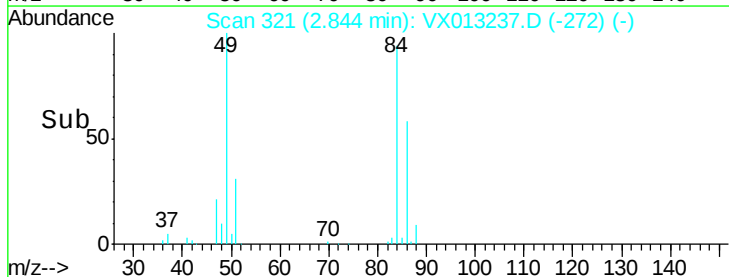
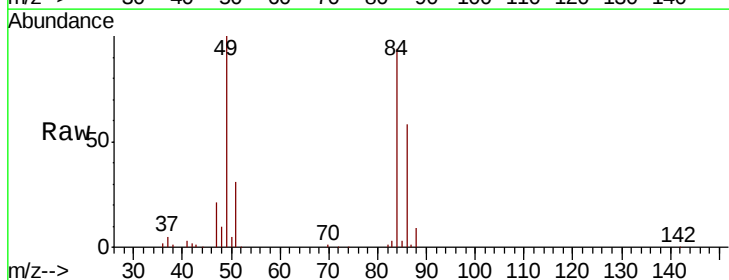
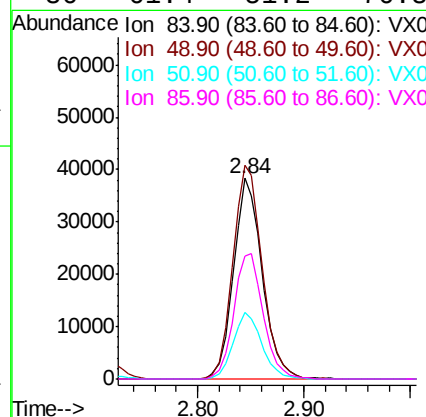
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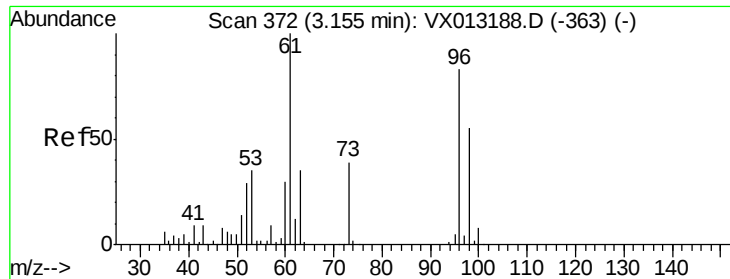
MMDadoda
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#20
Methylene Chloride
Concen: 52.177 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.5	89.2	133.8
51	33.5	28.8	43.2
86	61.4	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 50.453 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

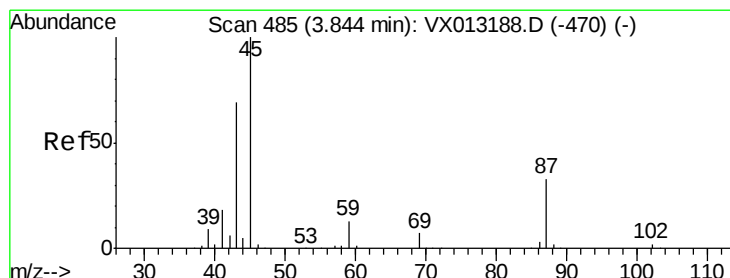
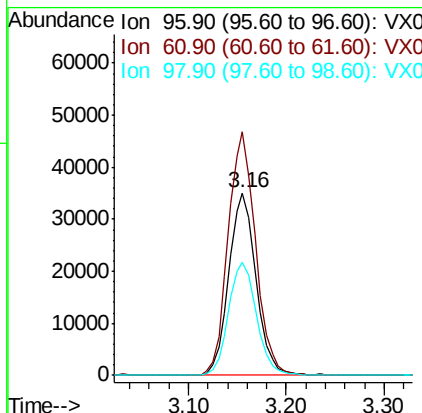
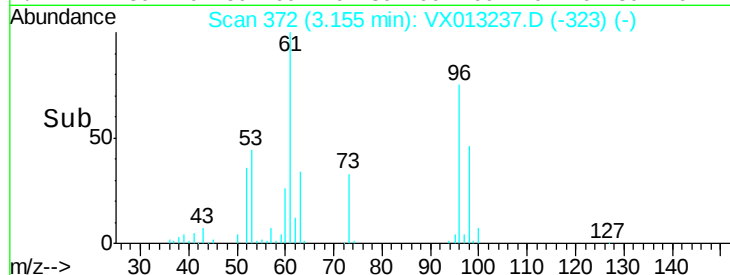
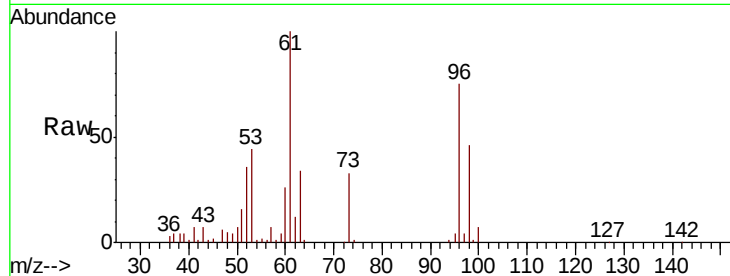
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	67599
Ion	Ratio	Lower	Upper
96	100		
61	133.6	96.9	145.3
98	62.0	53.0	79.4

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#22

Diisopropyl ether

Concen: 49.496 ug/l

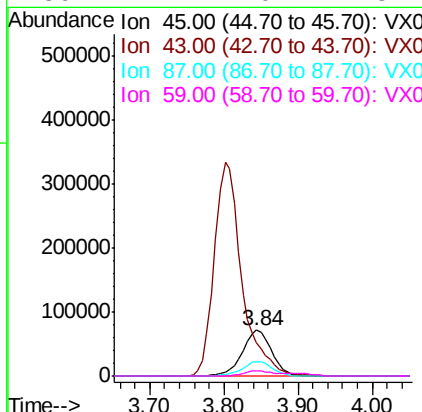
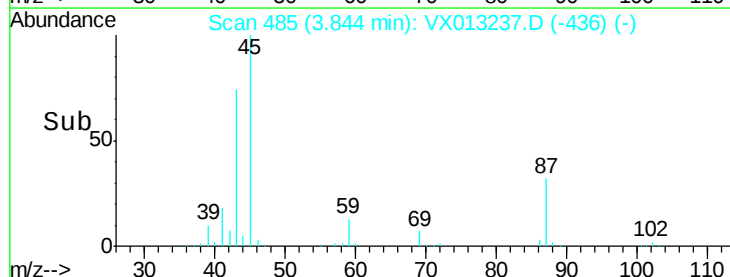
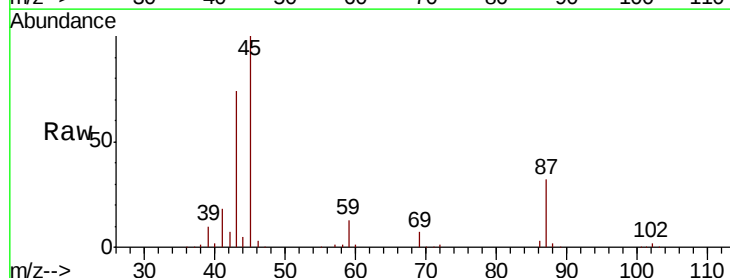
RT: 3.84 min Scan# 485

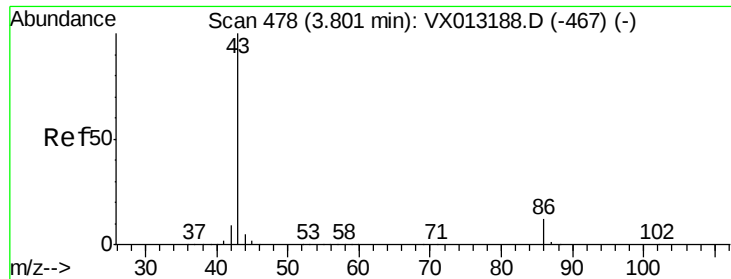
Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Tgt Ion:	45	Resp:	196183
Ion	Ratio	Lower	Upper
45	100		
43	73.7	55.5	83.3
87	32.2	26.7	40.1
59	12.7	10.2	15.2





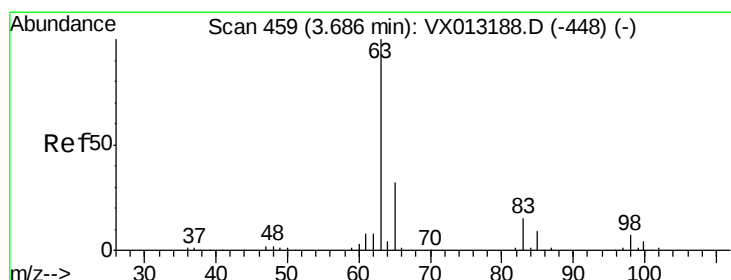
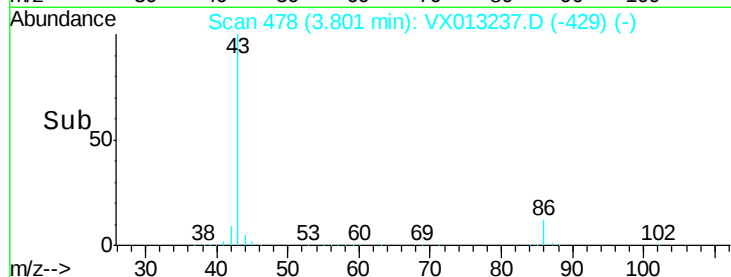
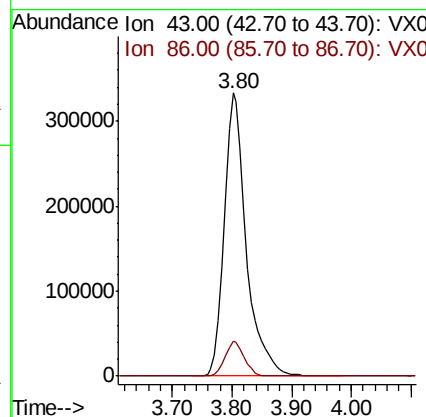
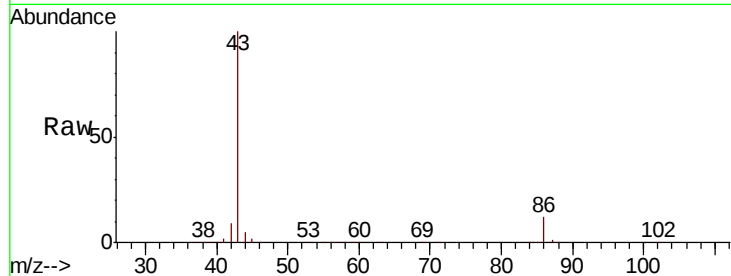
#23
 Vinyl Acetate
 Concen: 253.790 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	86	Resp	Lower	Upper
43	100				
86	12.2		9.7	14.5	

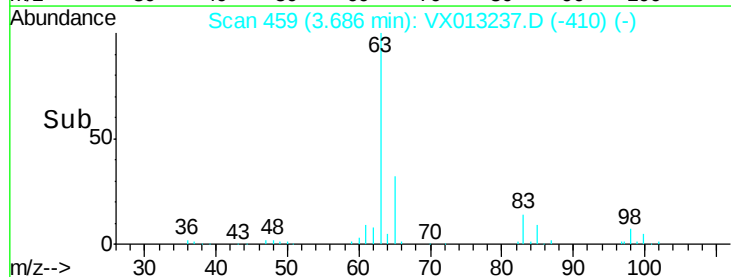
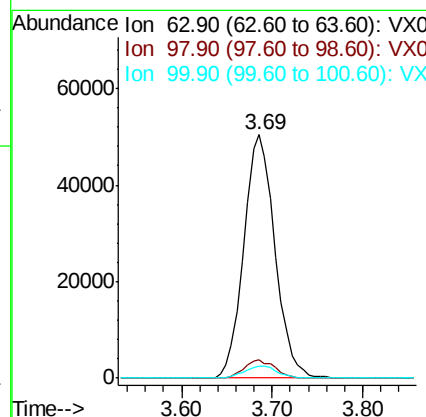
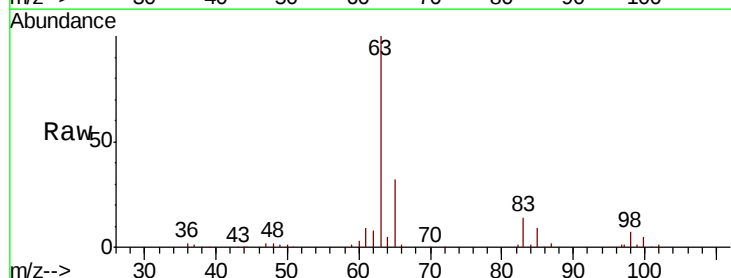
Manual Integrations
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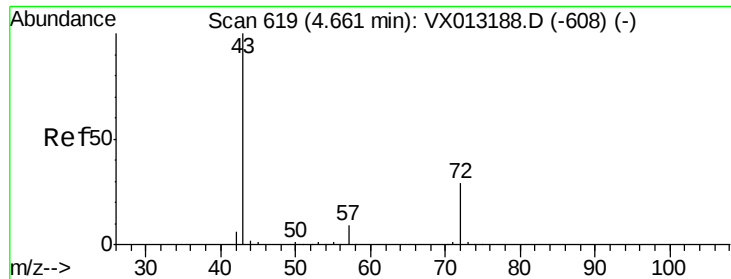
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 49.140 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Tgt Ion	63	98	100	Resp	Lower	Upper
63	100					
98	7.3			3.8	11.2	
100	5.1			2.2	6.6	





#25

2-Butanone

Concen: 242.393 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 242116

Ion Ratio Lower Upper

43 100

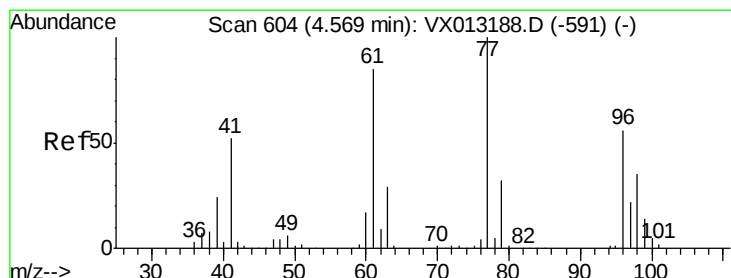
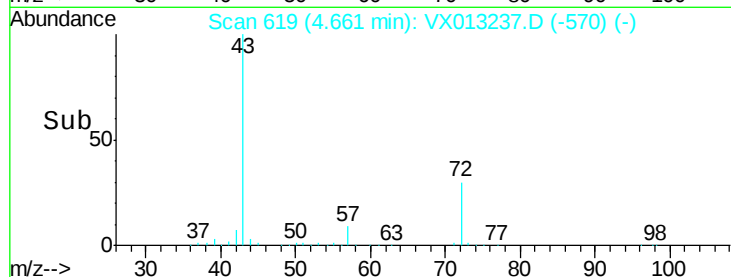
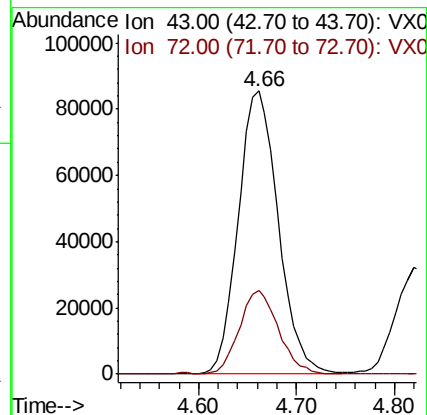
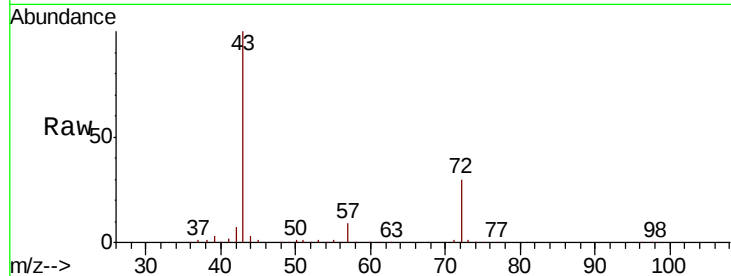
72 29.4 23.4 35.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.473 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013237.D

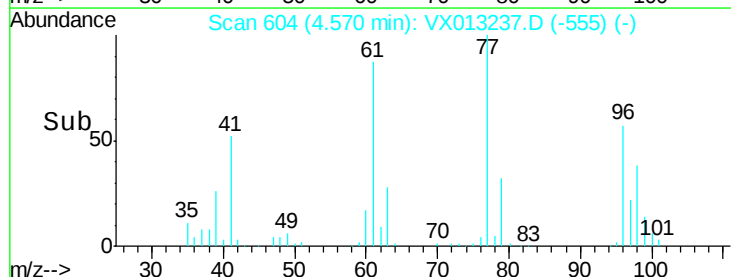
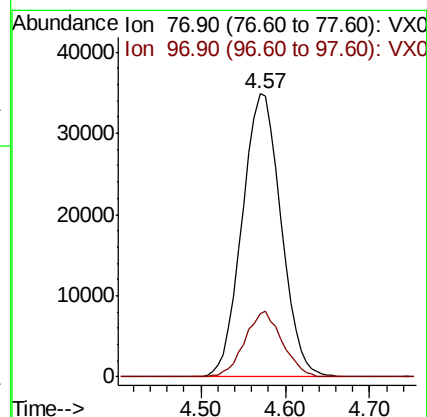
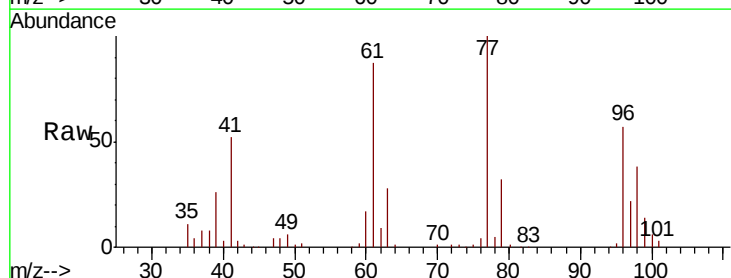
Acq: 25 Oct 2019 17:37

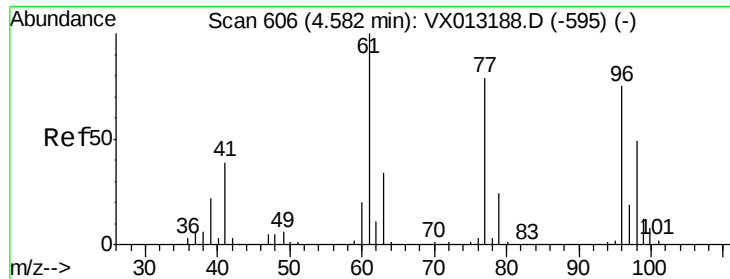
Tgt Ion: 77 Resp: 109217

Ion Ratio Lower Upper

77 100

97 22.4 10.9 32.6





#27

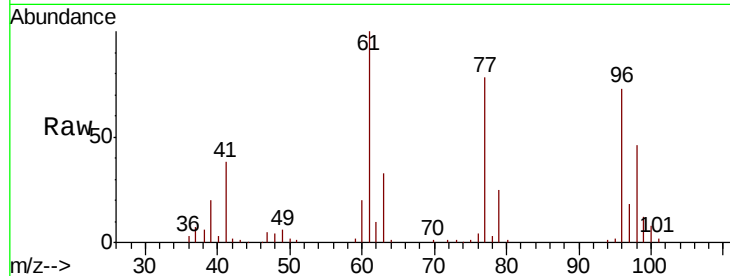
cis-1,2-Dichloroethene
Concen: 49.042 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	290.4
98	66.6	0.0	130.4

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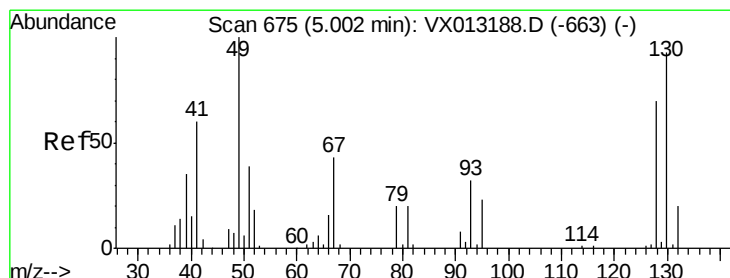
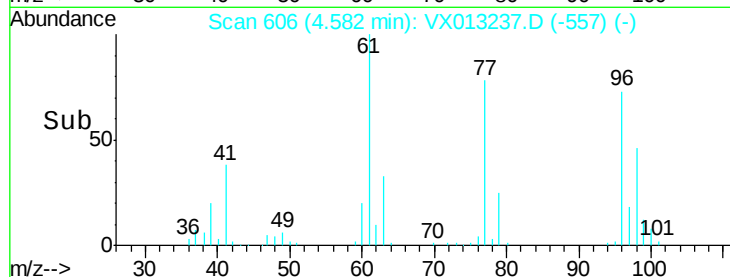
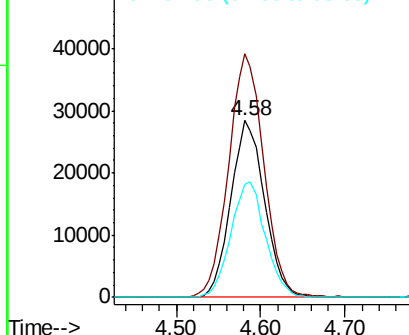


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

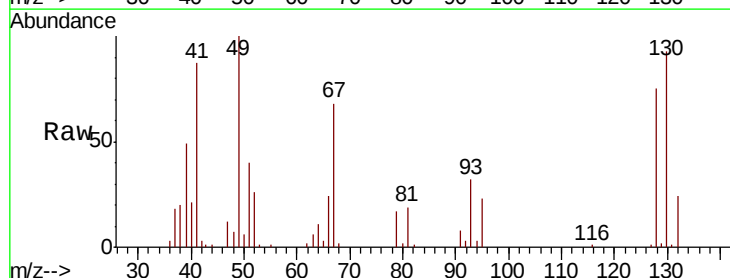
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 53.029 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.8
130	90.1	71.8	107.8

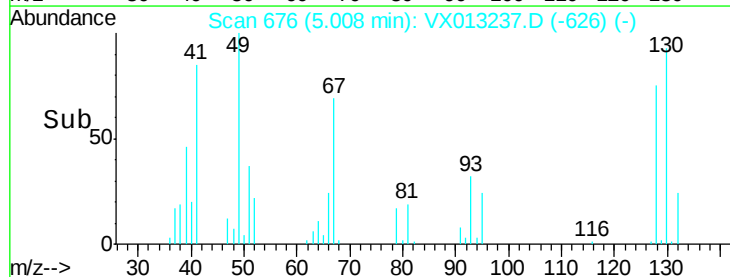
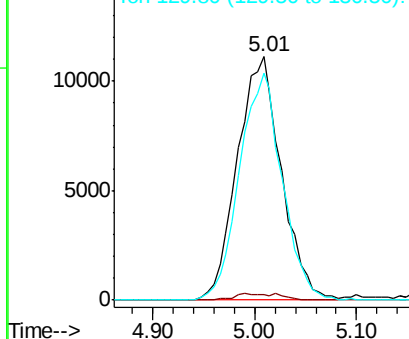


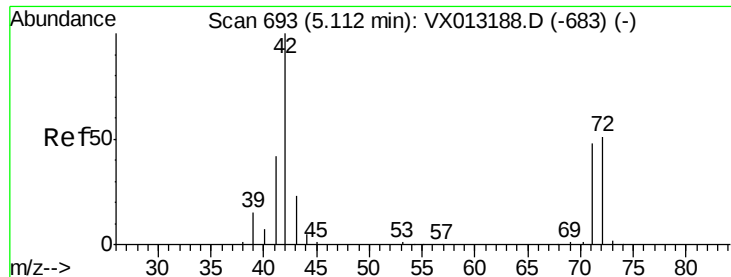
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





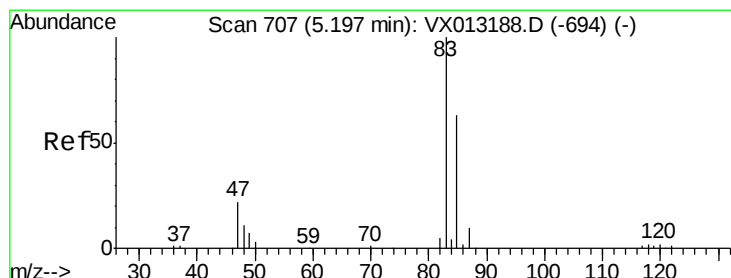
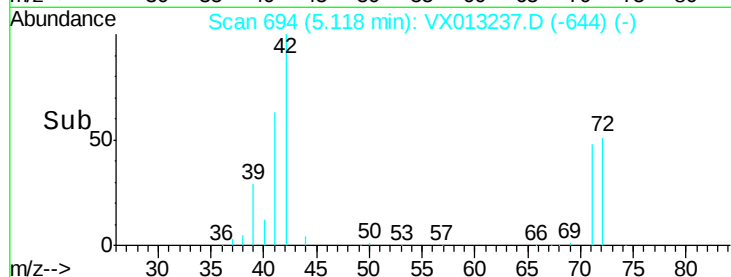
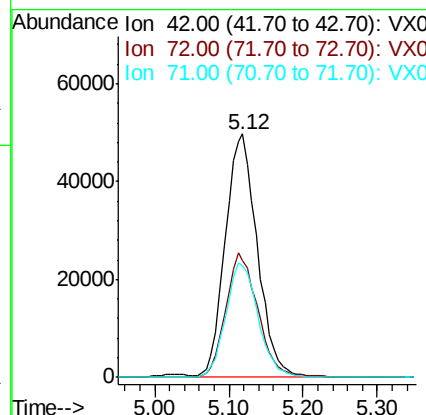
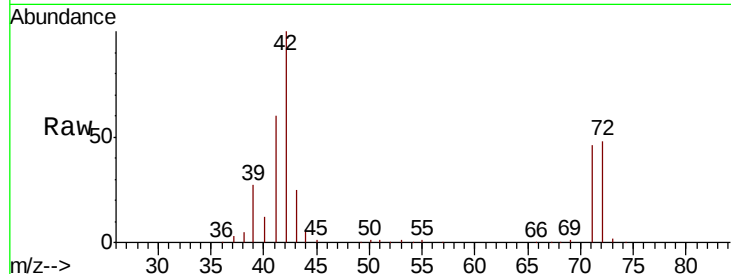
#29
Tetrahydrofuran
Concen: 246.810 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.7	40.9	61.3
71	47.7	38.6	57.8

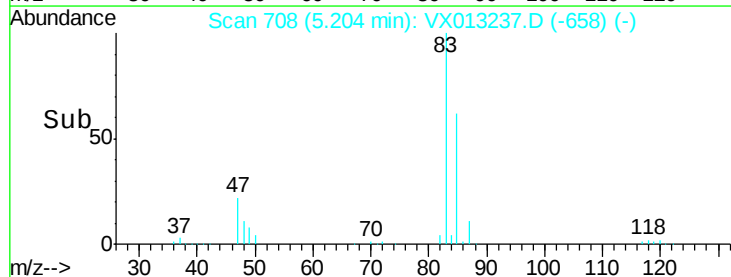
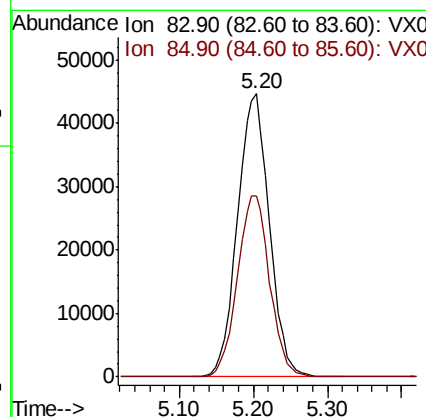
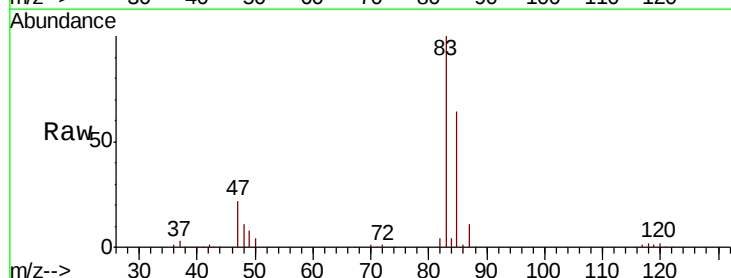
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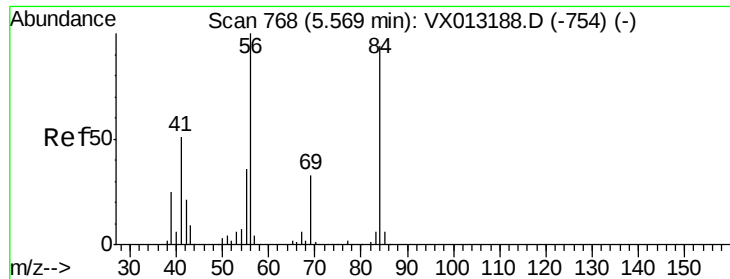
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#30
Chloroform
Concen: 51.558 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.1	75.1





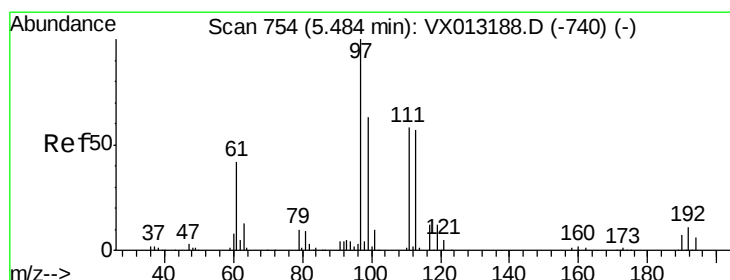
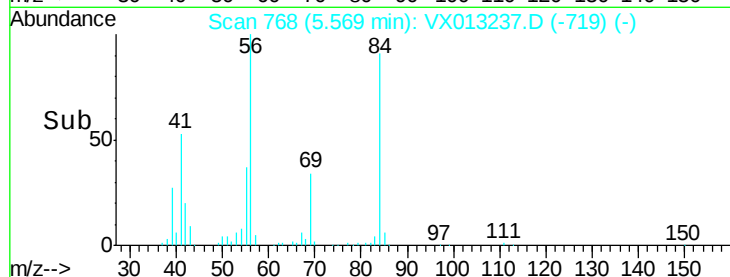
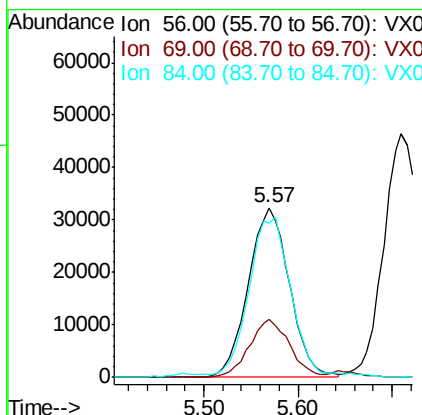
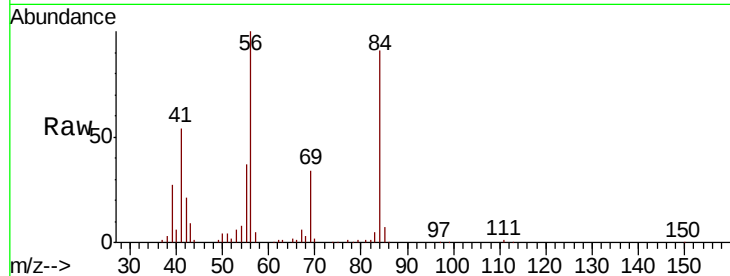
#31
Cyclohexane
Concen: 48.455 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	26.3	39.5
84	89.1	73.8	110.6

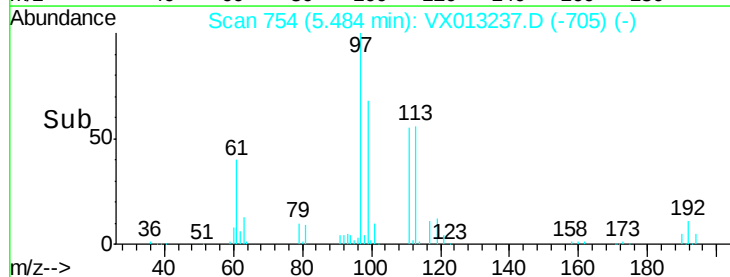
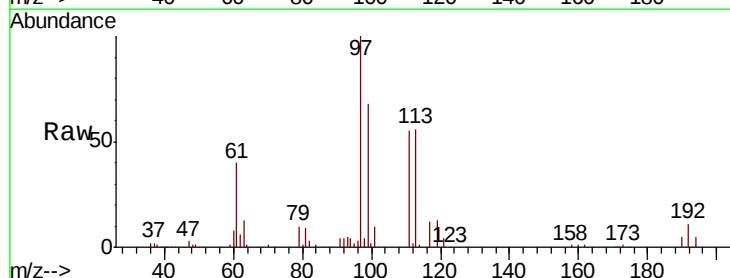
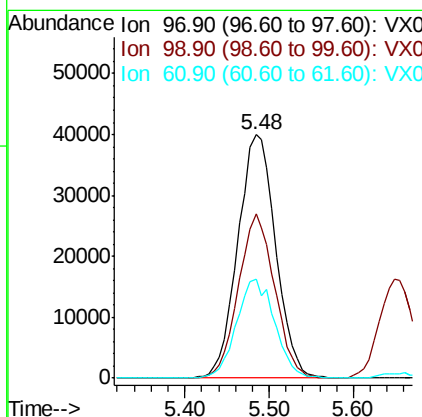
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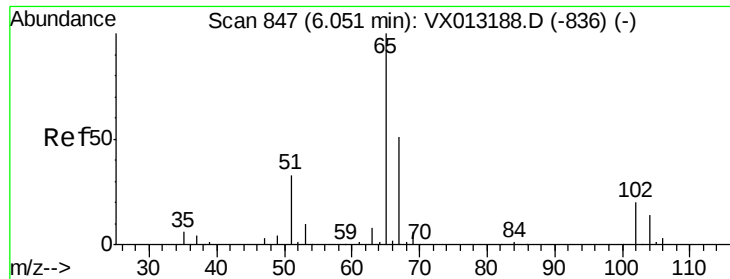
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#32
1,1,1-Trichloroethane
Concen: 52.701 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.8	76.2
61	40.9	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 51.721 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Tot Ion: 65 Resp: 81767

Ion Ratio Lower Upper

65 100

67 49.5 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

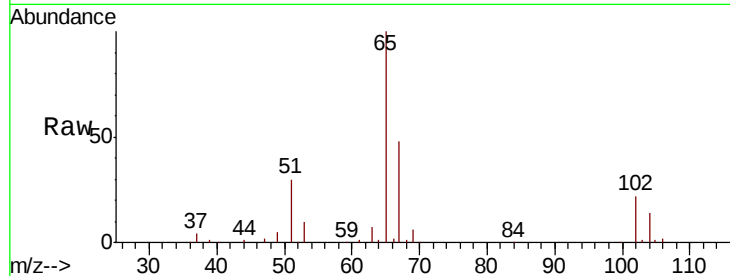
VSTDCCC050EC

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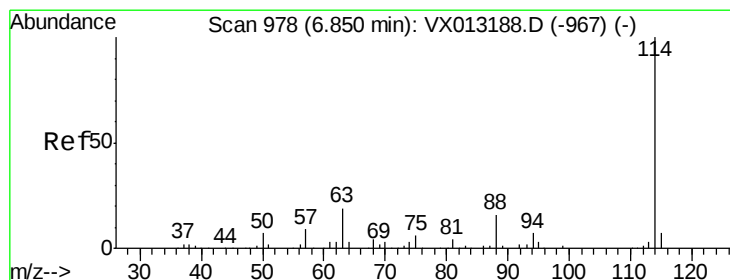
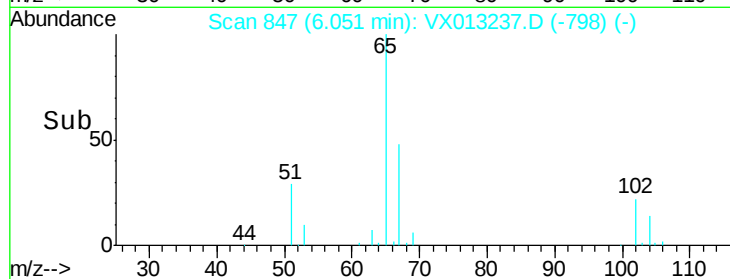
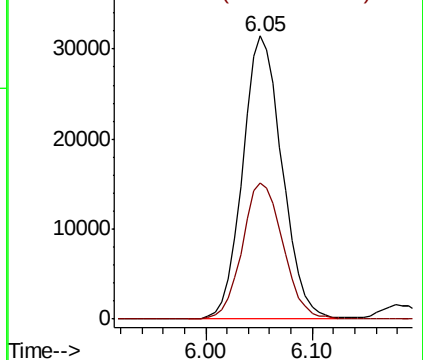
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

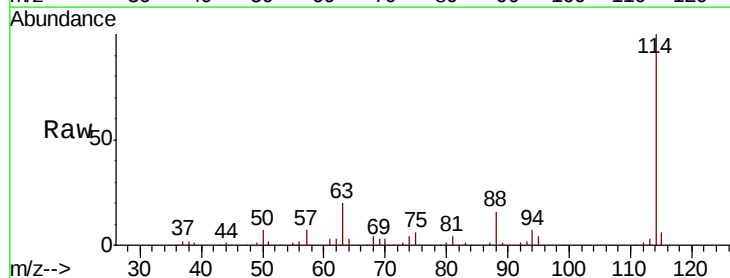
Tgt Ion: 114 Resp: 109508

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

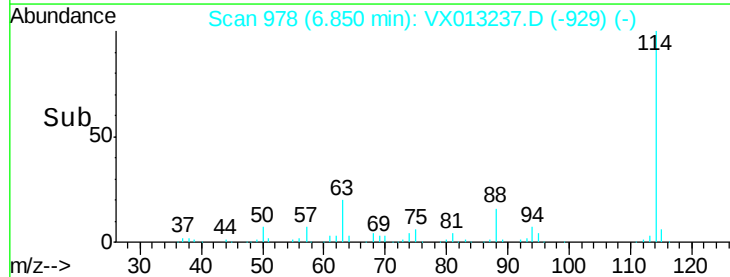
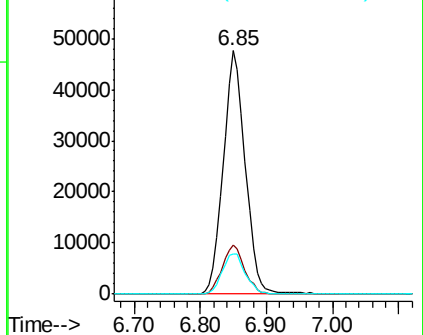
88 16.4 0.0 32.0

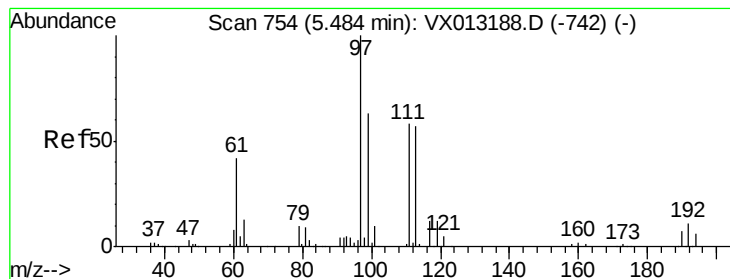


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.648 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

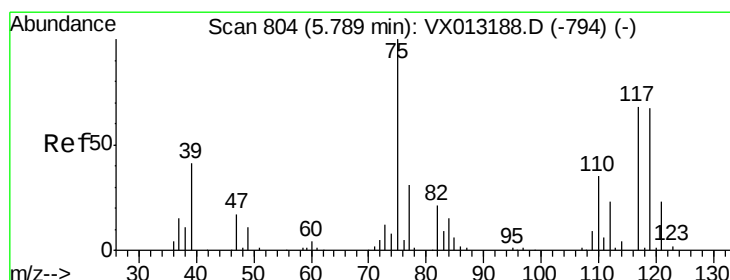
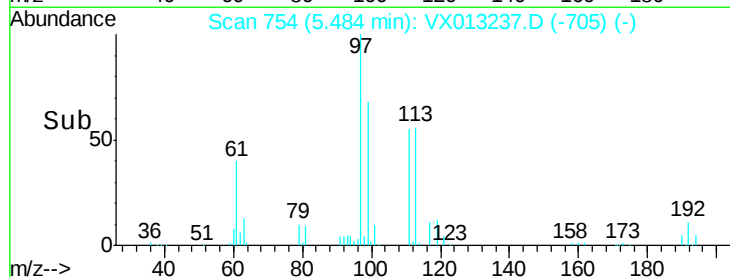
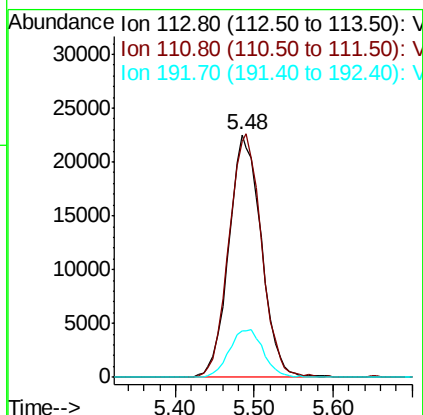
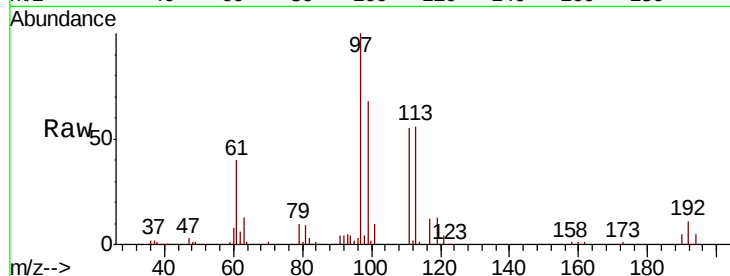
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	64292
Ion	Ratio	Lower	Upper
113	100		
111	101.0	80.3	120.5
192	20.7	15.9	23.9

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#36

1,1-Dichloropropene

Concen: 52.298 ug/l

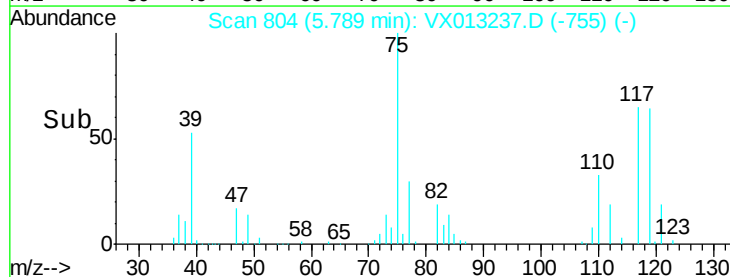
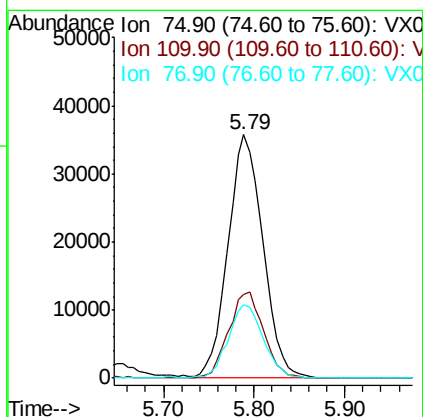
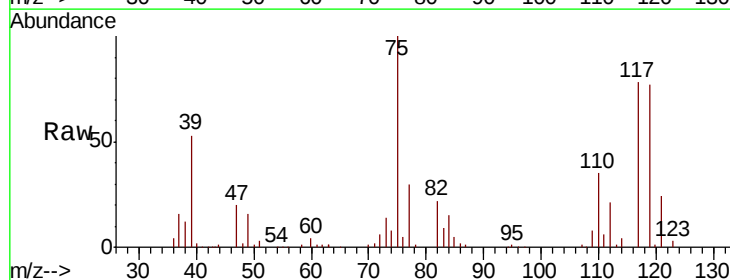
RT: 5.79 min Scan# 804

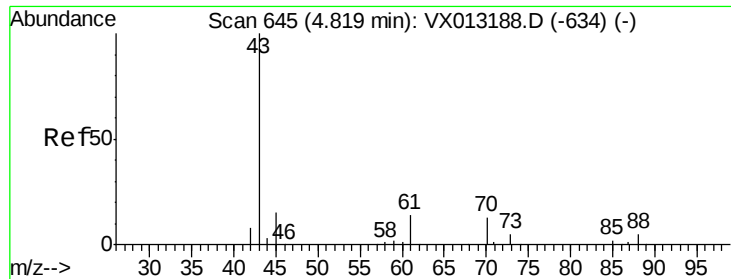
Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Tgt Ion:	75	Resp:	95860
Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.6	52.9
77	30.6	24.7	37.1





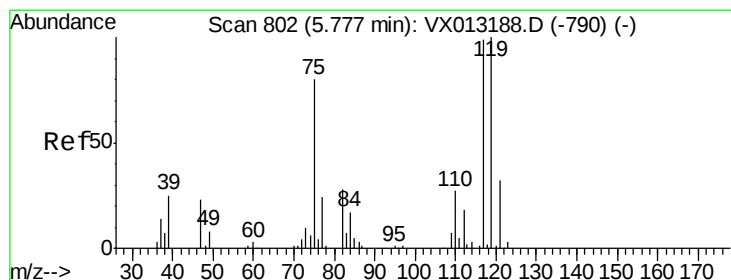
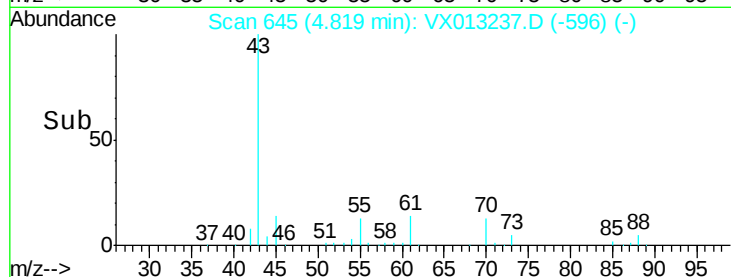
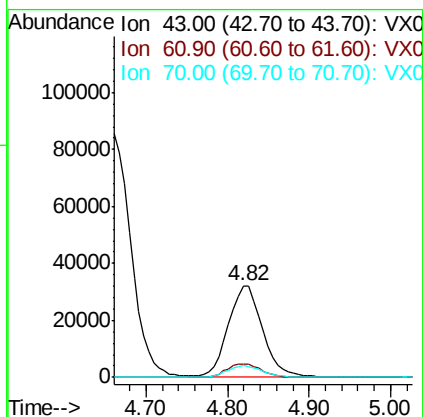
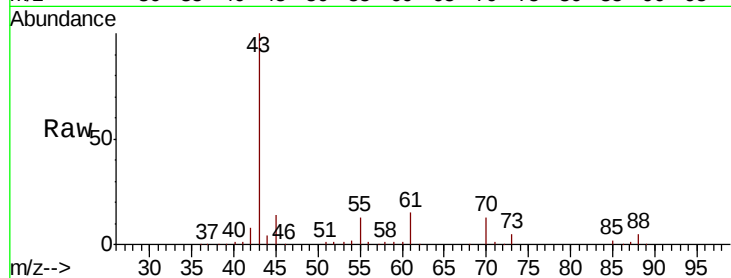
#37
Ethyl Acetate
Concen: 50.474 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.1	18.1
70	13.2	10.4	15.6

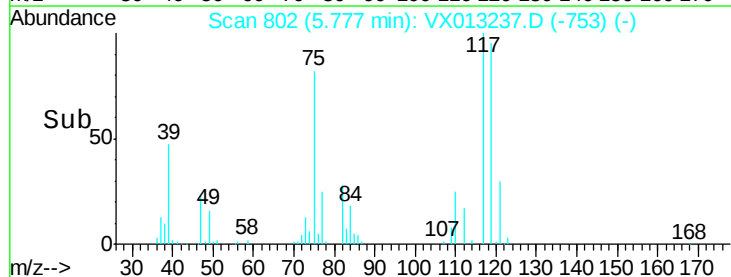
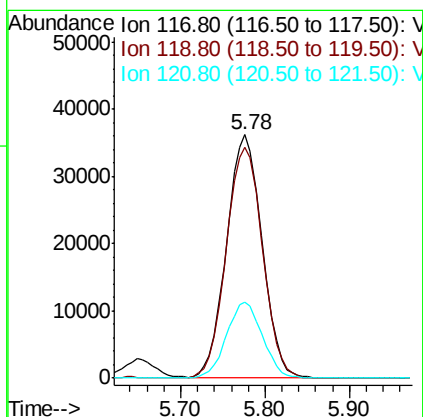
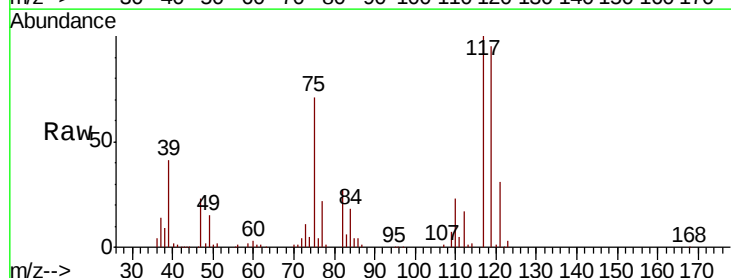
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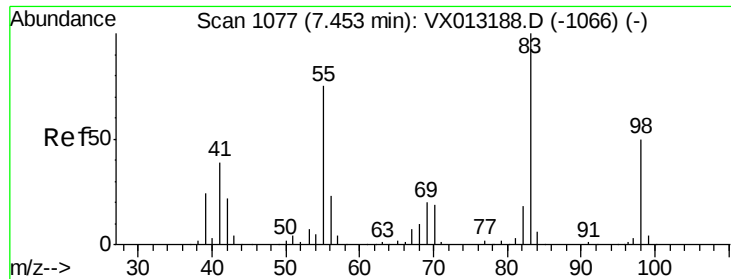
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#38
Carbon Tetrachloride
Concen: 51.225 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	80.1	120.1
121	31.0	25.5	38.3





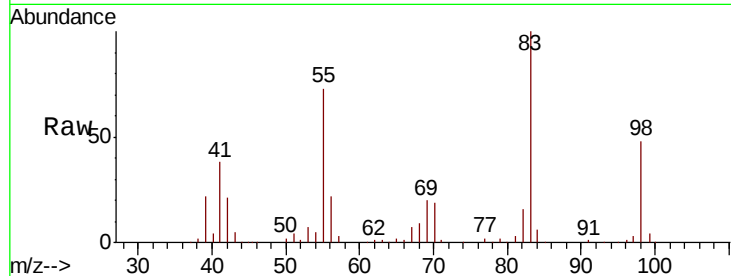
#39
Methvlcvclohexane
Concen: 47.530 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	60.1	90.1
98	48.1	39.8	59.8

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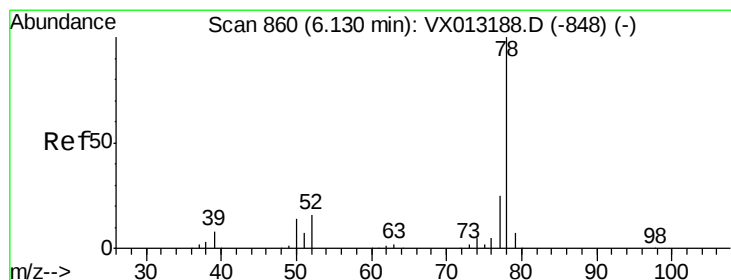
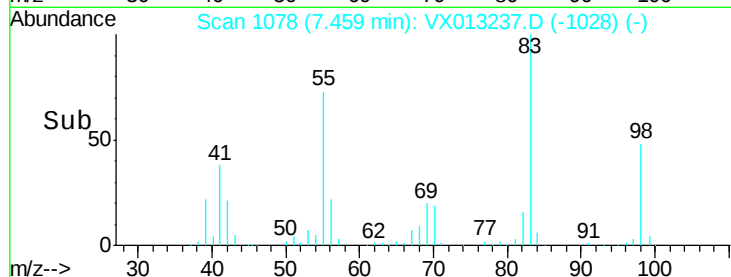
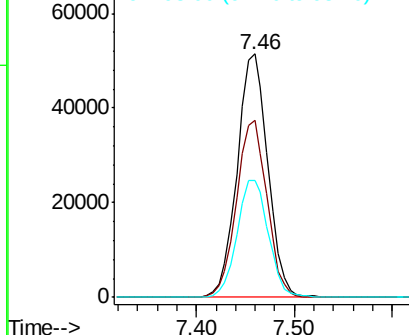


Abundance

Ion 83.00 (82.70 to 83.70): VX0

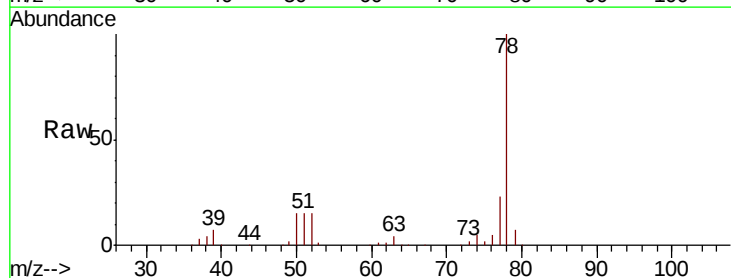
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 49.697 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

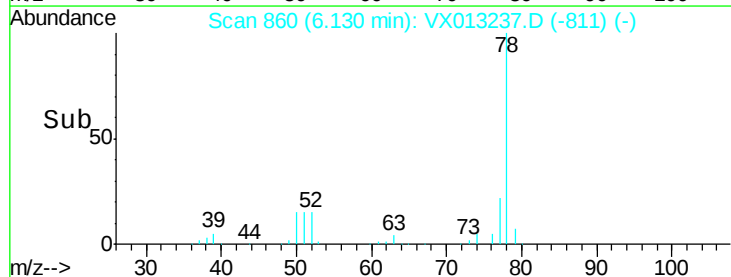
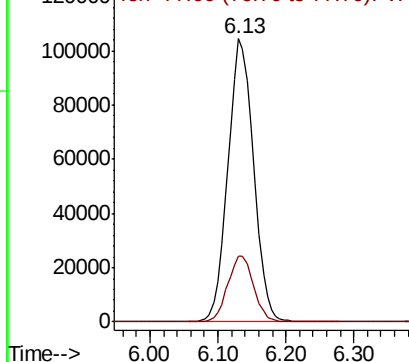
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.6	29.4

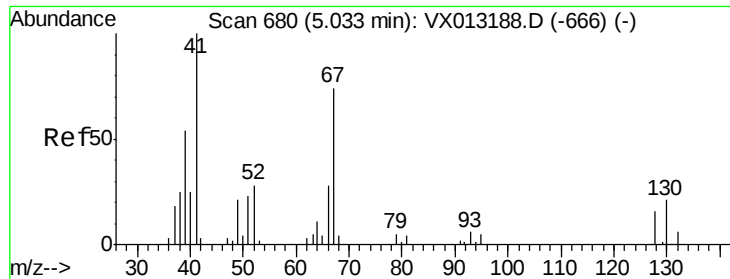


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 52.572 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 51435

Ion Ratio Lower Upper

41 100

39 55.9 45.2 67.8

67 75.7 61.3 91.9

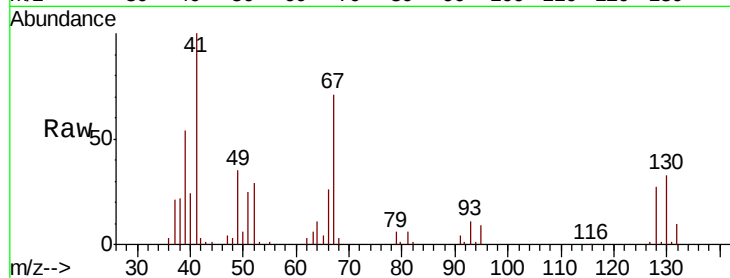
52 31.2 25.1 37.7

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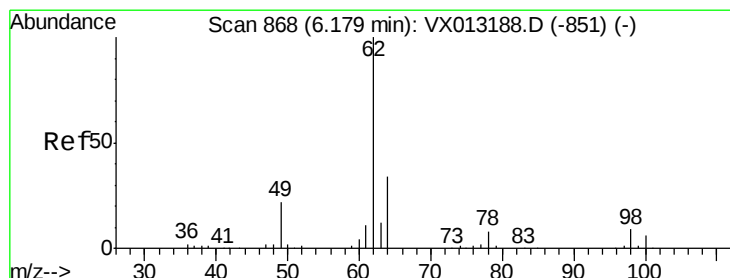
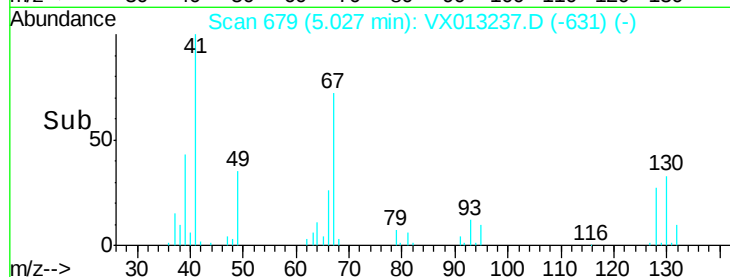
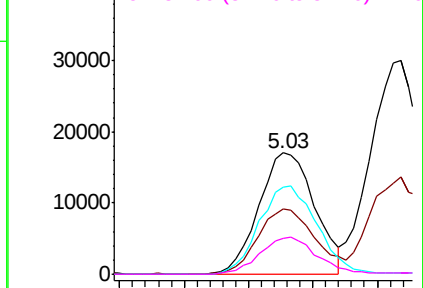


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.540 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX013237.D

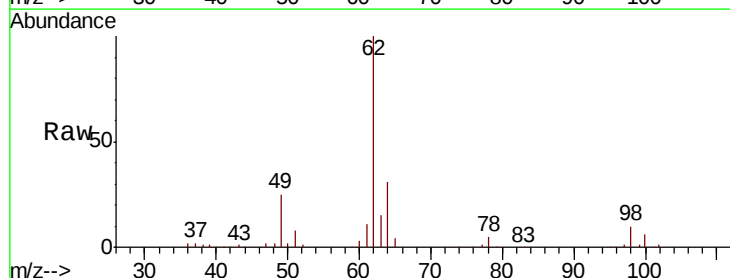
Acq: 25 Oct 2019 17:37

Tgt Ion: 62 Resp: 108961

Ion Ratio Lower Upper

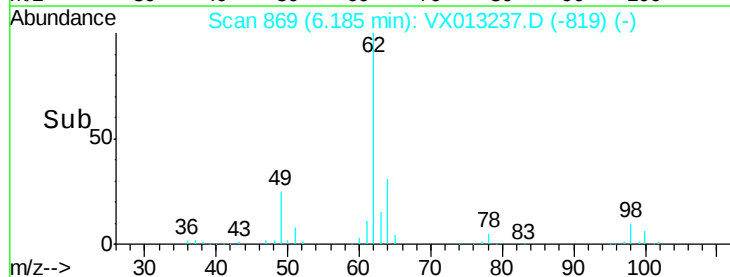
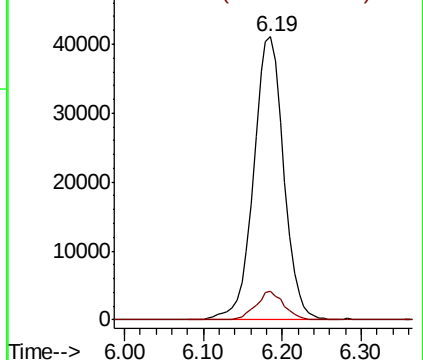
62 100

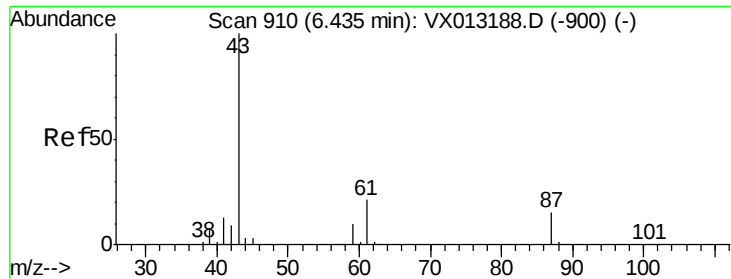
98 9.4 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

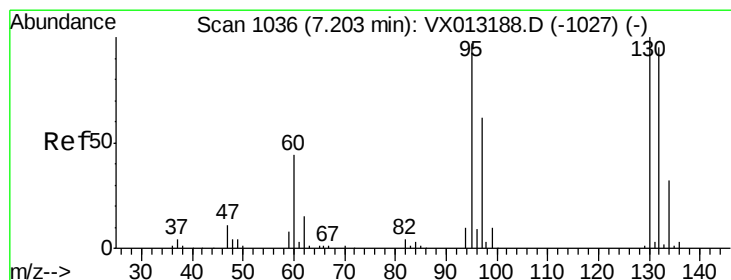
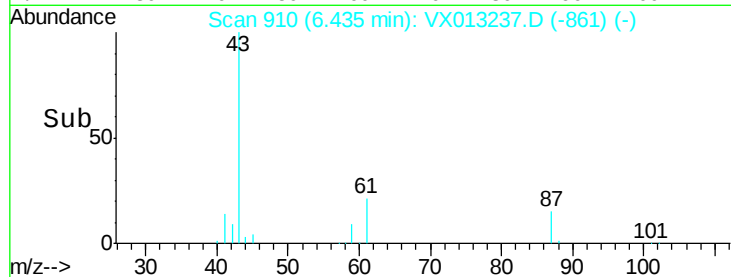
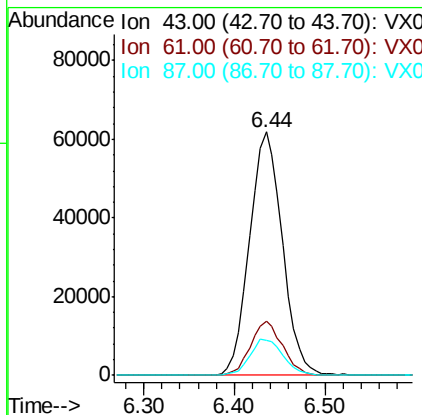
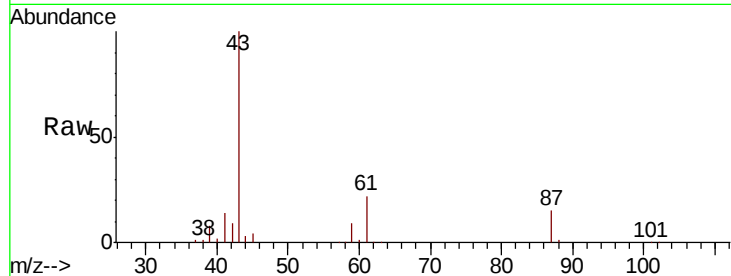
Isopropyl Acetate
 Concen: 50.959 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.0	25.4
87	15.2	12.1	18.1

Manual Integrations
 APPROVED

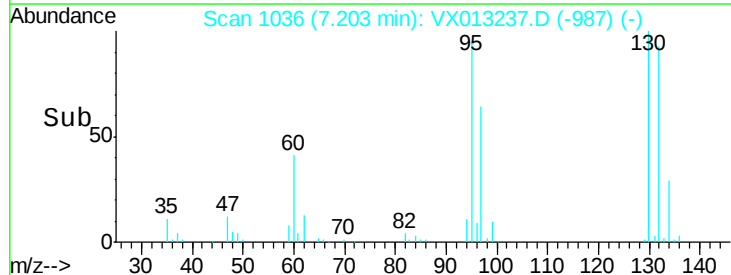
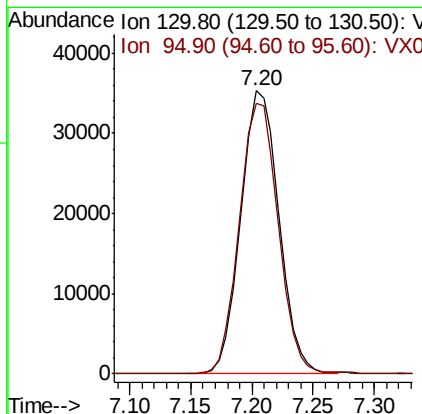
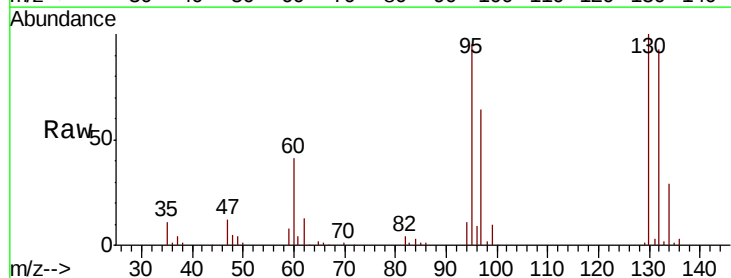
MMDadoda
 10/28/2019 12:53:06 PM

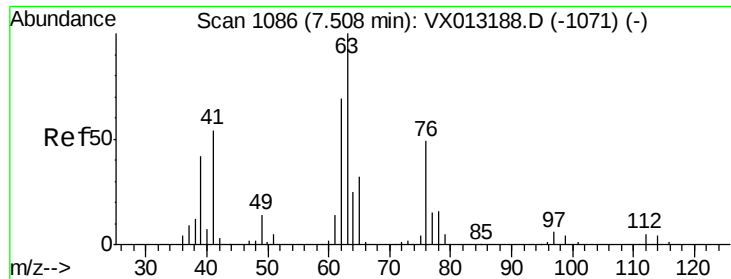


#44

Trichloroethene
 Concen: 49.176 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	193.6





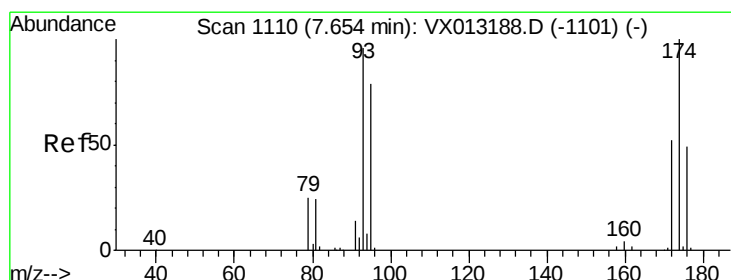
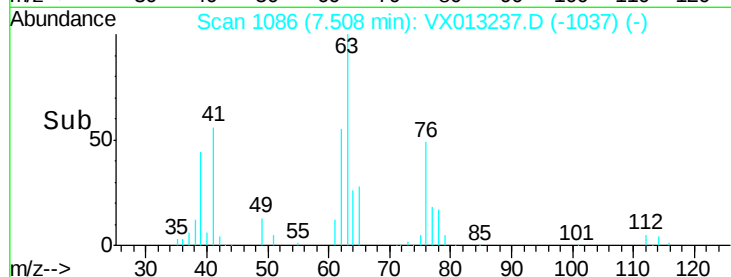
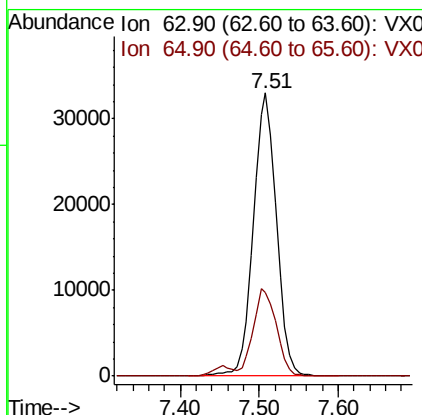
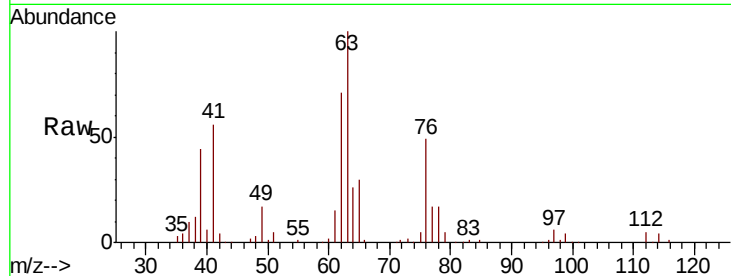
#45
 1,2-Dichloropropane
 Concen: 48.818 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 67254
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.3 37.9

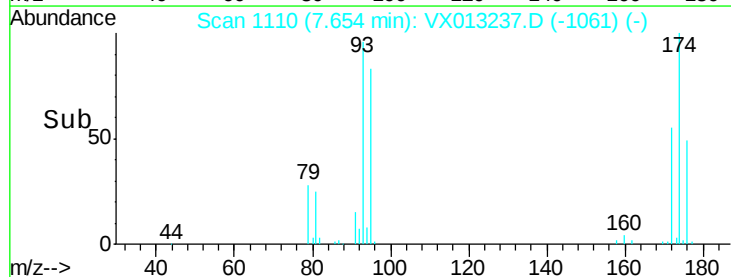
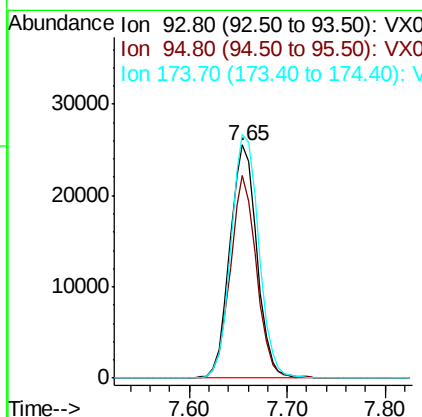
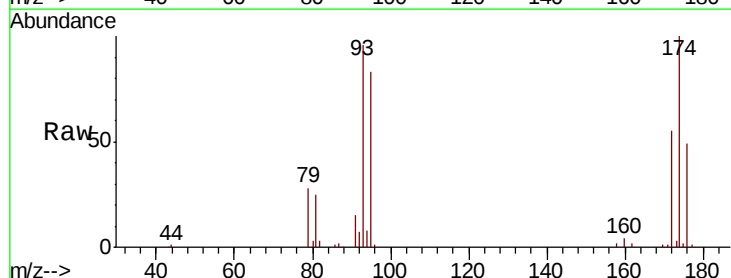
Manual Integrations
 APPROVED

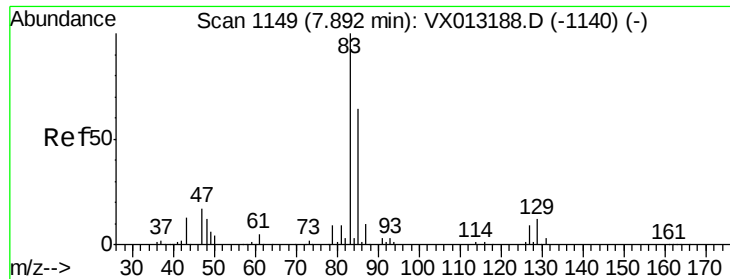
MMDadoda
 10/28/2019 12:53:06 PM



#46
 Dibromomethane
 Concen: 49.419 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Tgt Ion: 93 Resp: 49051
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.2 99.4
 174 107.4 85.2 127.8





#47

Bromodichloromethane

Concen: 52.566 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 101678

Ion Ratio Lower Upper

83 100

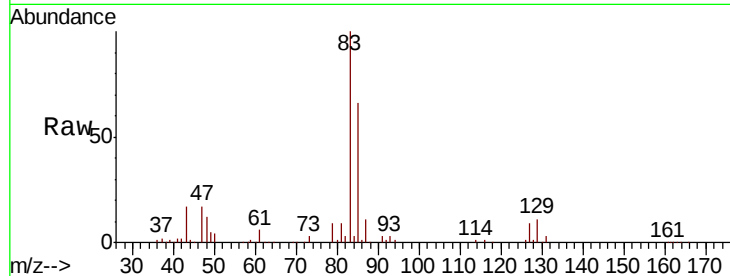
85 65.7 51.0 76.6

127 8.8 7.2 10.8

Manual Integrations
APPROVED

MMDadoda

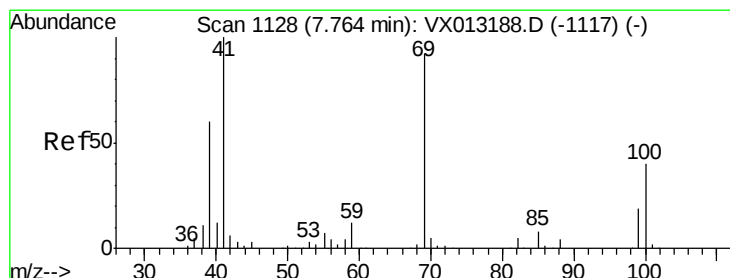
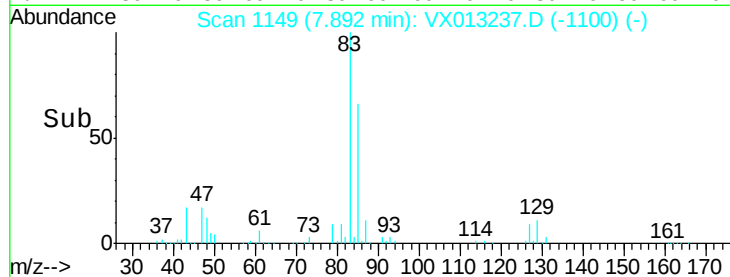
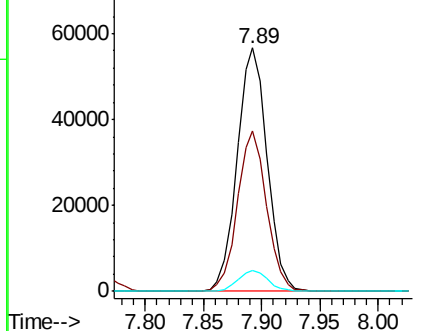
10/28/2019 12:53:06 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.142 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

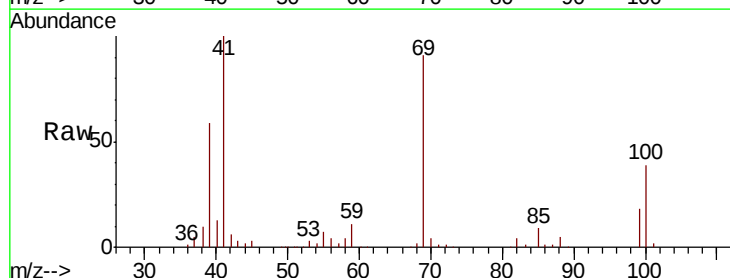
Tgt Ion: 41 Resp: 75088

Ion Ratio Lower Upper

41 100

69 90.8 72.0 108.0

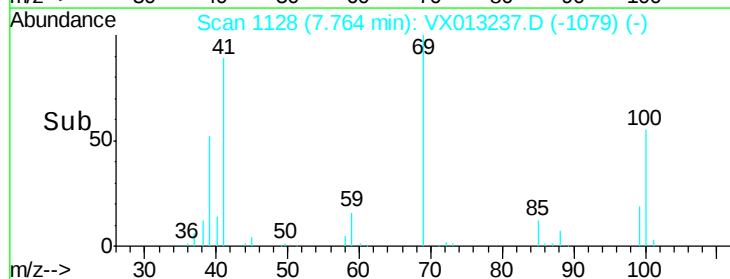
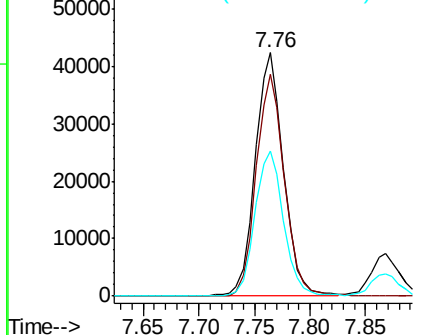
39 60.5 47.4 71.0

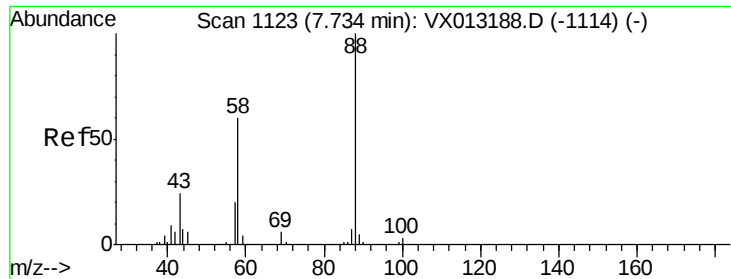


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





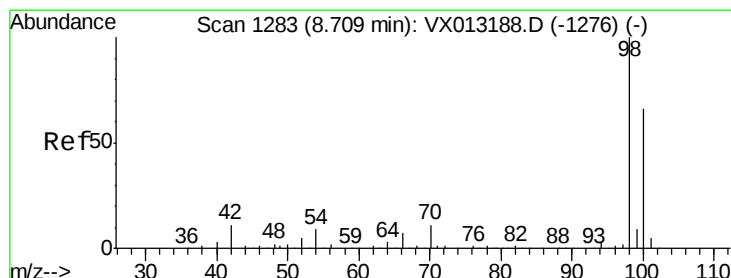
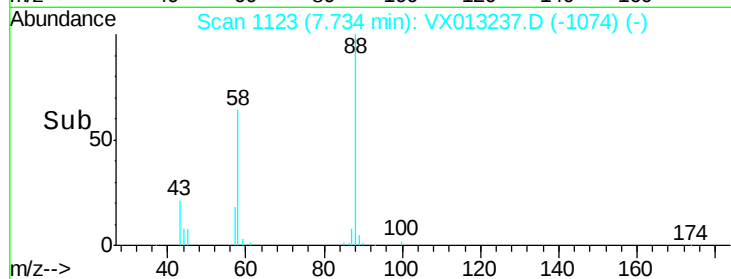
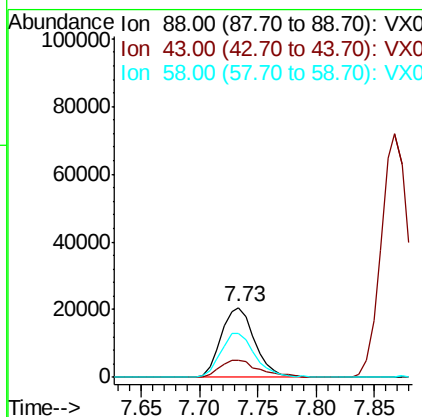
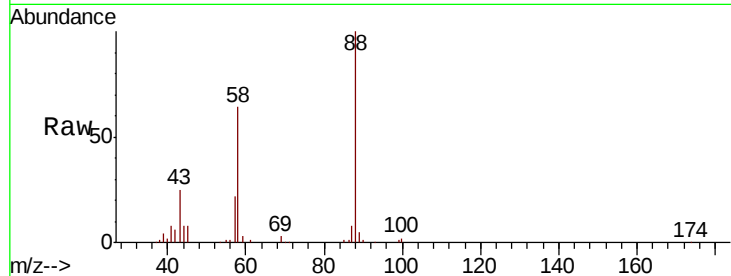
#49
1,4-Dioxane
Concen: 1083.422 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	24.5	36.7
58	65.3	54.1	81.1

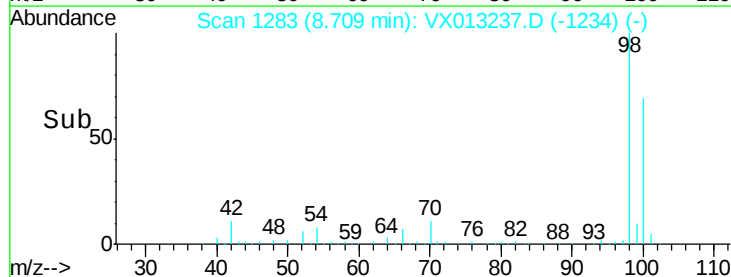
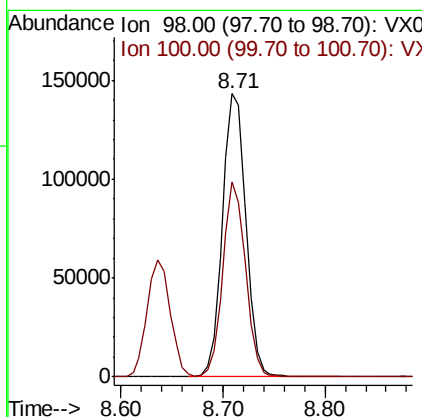
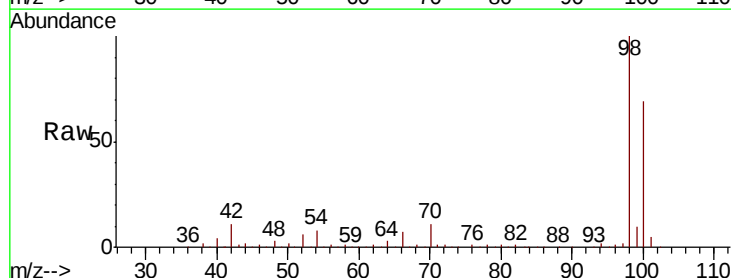
Manual Integrations
APPROVED

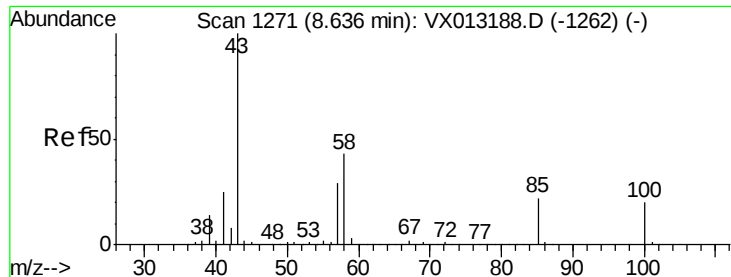
MMDadoda
10/28/2019 12:53:06 PM



#50
Toluene-d8
Concen: 50.685 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 258.061 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 476584

Ion Ratio Lower Upper

43 100

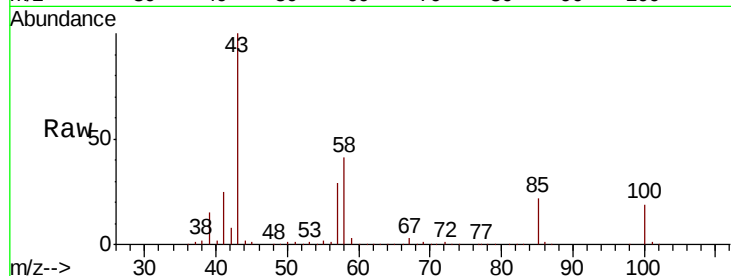
58 41.9 33.9 50.9

Manual Integrations

APPROVED

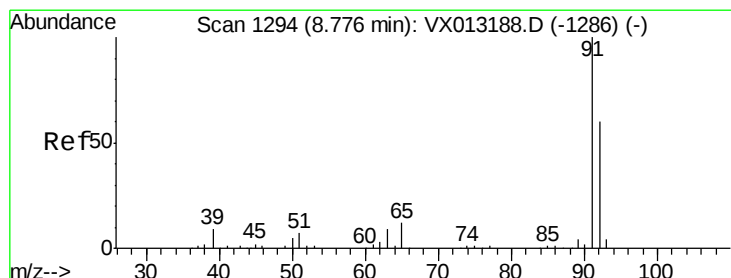
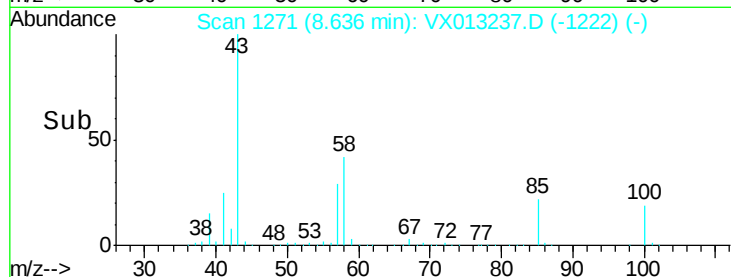
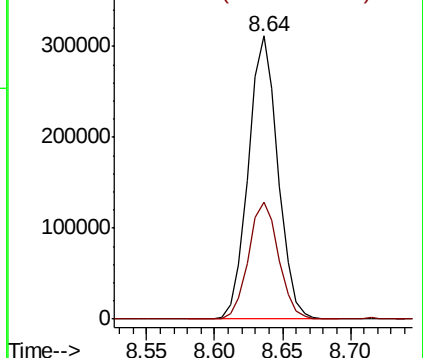
MMDadoda

10/28/2019 12:53:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.032 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013237.D

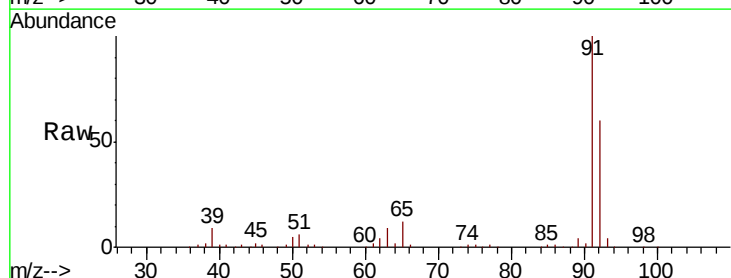
Acq: 25 Oct 2019 17:37

Tgt Ion: 92 Resp: 178734

Ion Ratio Lower Upper

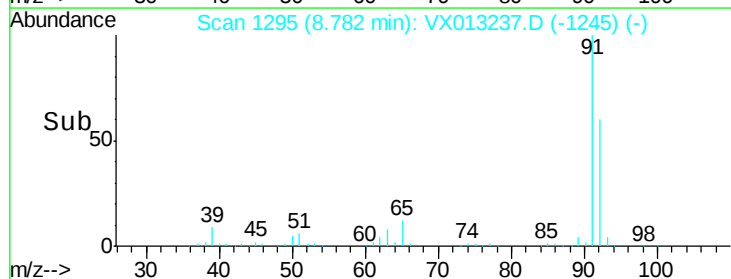
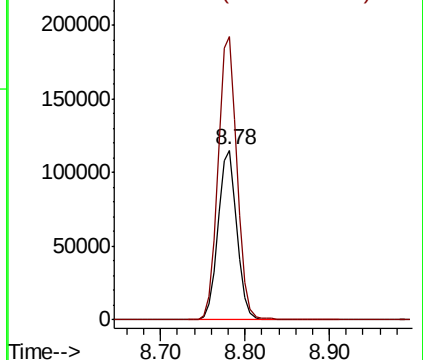
92 100

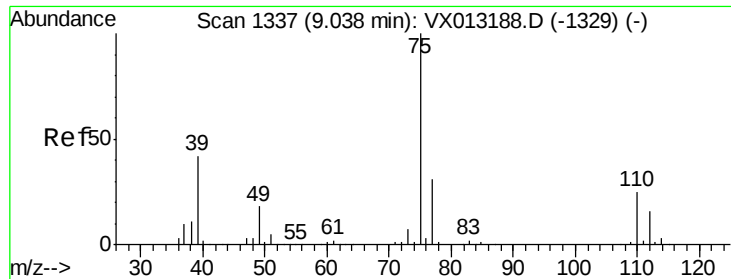
91 166.7 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





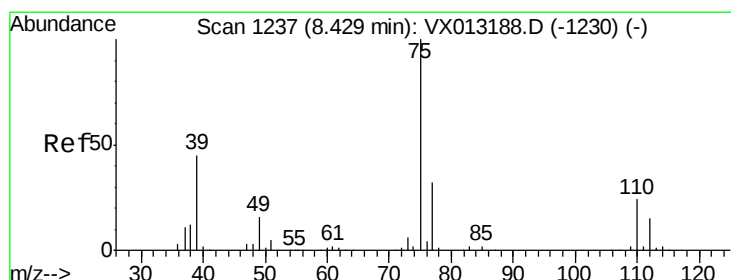
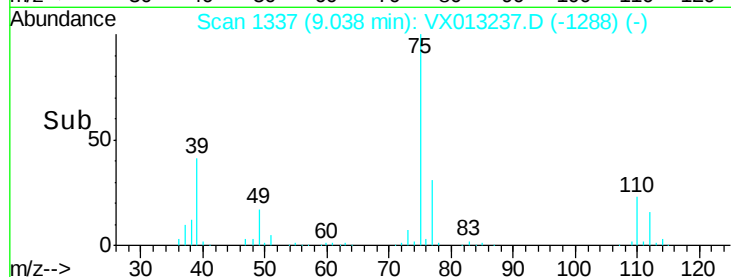
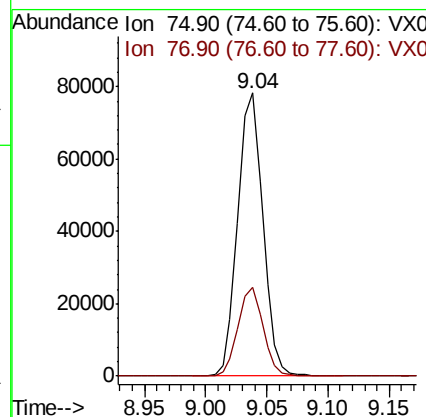
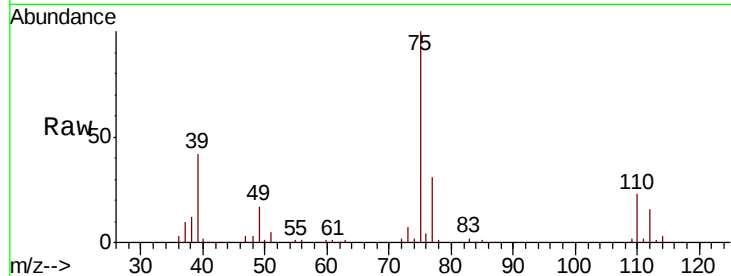
#53
t-1,3-Dichloropropene
Concen: 54.178 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 111365
Ion Ratio Lower Upper
75 100
77 31.3 24.7 37.1

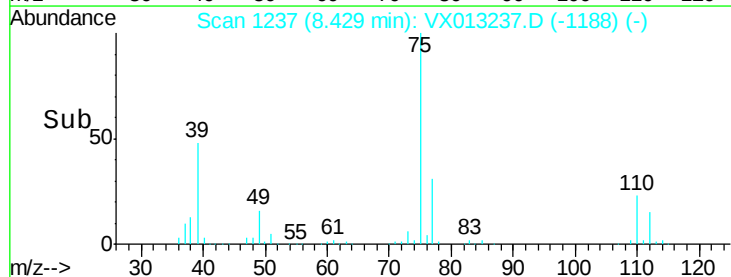
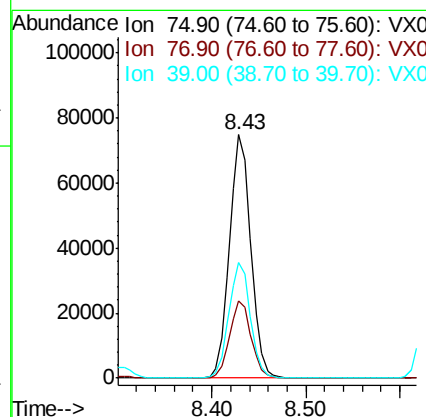
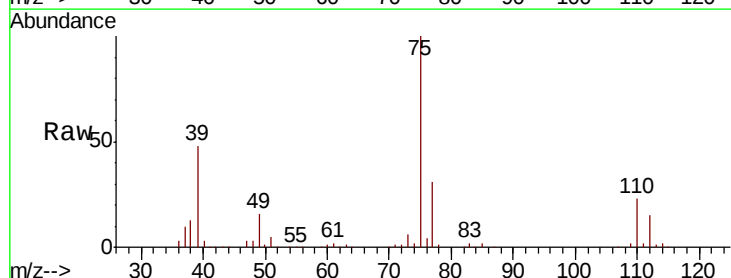
Manual Integrations
APPROVED

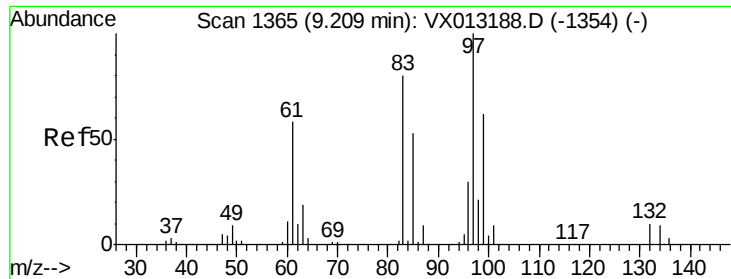
MMDadoda
10/28/2019 12:53:06 PM



#54
cis-1,3-Dichloropropene
Concen: 52.419 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion: 75 Resp: 117871
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 47.7 36.2 54.4





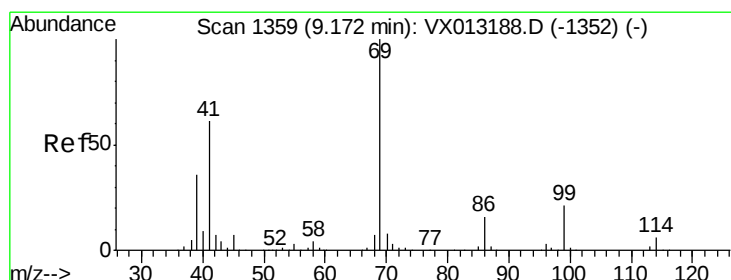
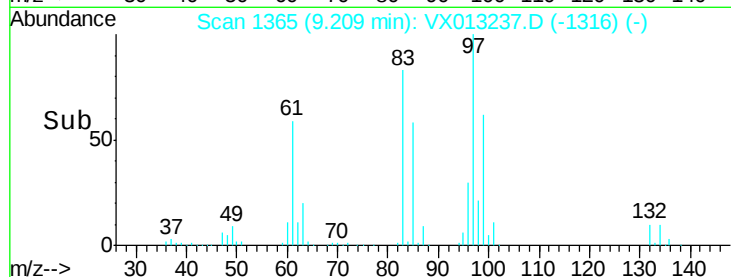
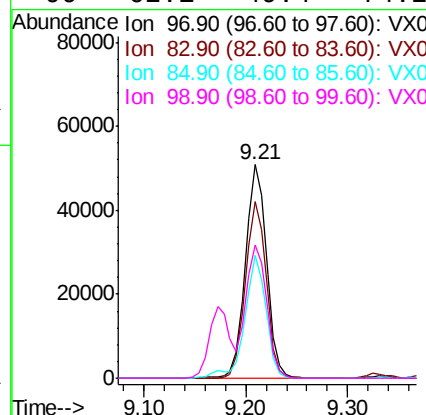
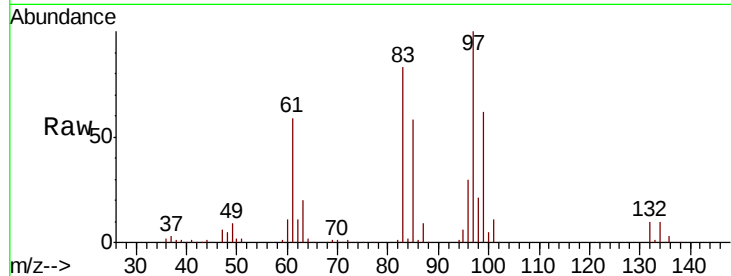
#55
 1,1,2-Trichloroethane
 Concen: 50.594 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		72916		
83	82.7	64.1	96.1		
85	57.5	42.1	63.1		
99	62.1	49.4	74.2		

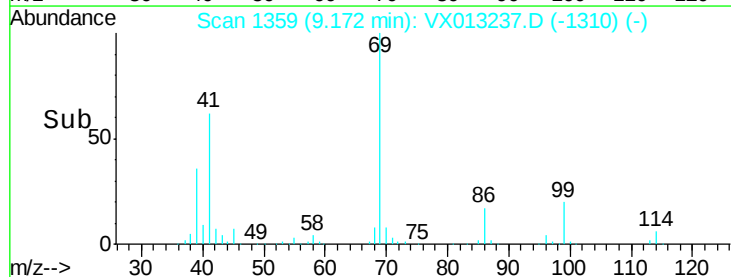
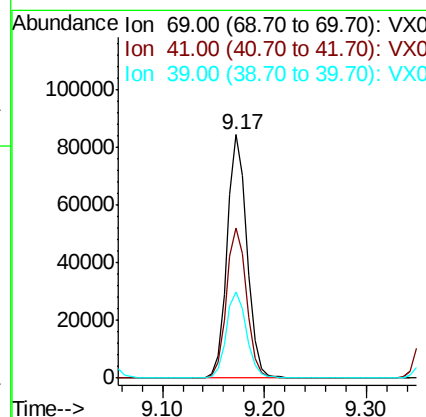
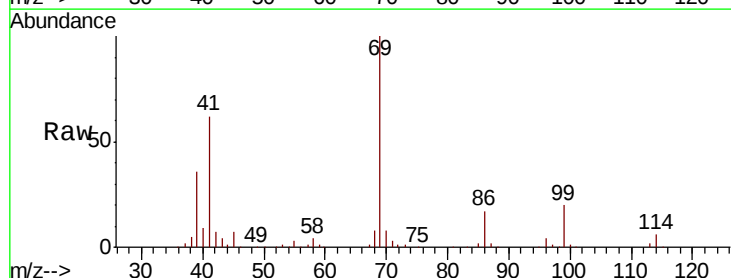
Manual Integrations
 APPROVED

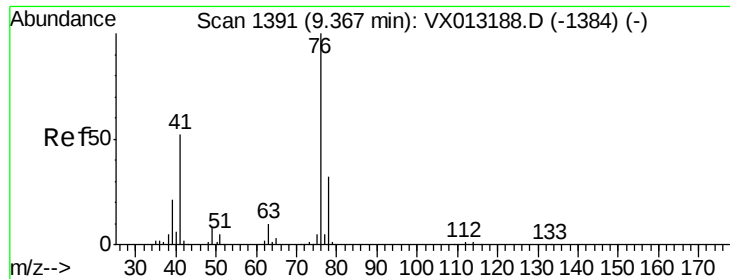
MMDadoda
 10/28/2019 12:53:06 PM



#56
 Ethyl methacrylate
 Concen: 52.627 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		114154		
41	62.5	49.5	74.3		
39	36.7	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 49.995 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 121575

Ion Ratio Lower Upper

76 100

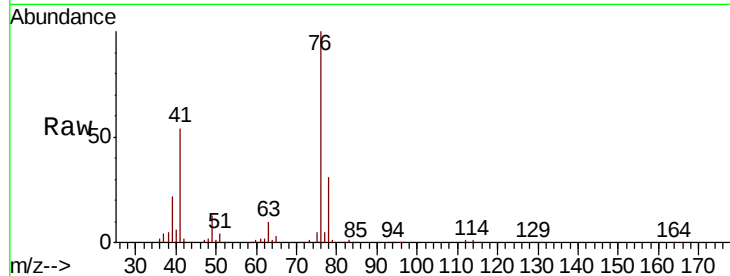
78 31.9 26.1 39.1

Manual Integrations

APPROVED

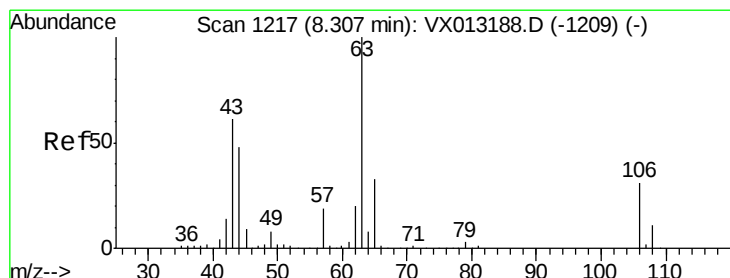
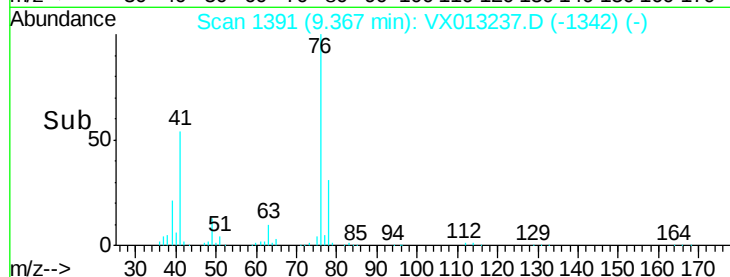
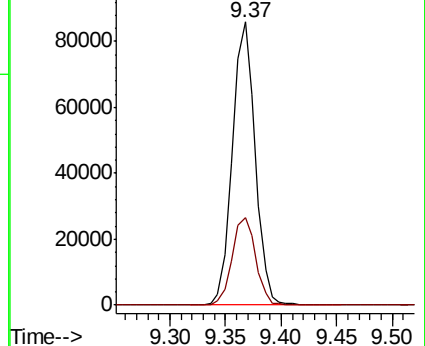
MMDadoda

10/28/2019 12:53:06 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 270.307 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013237.D

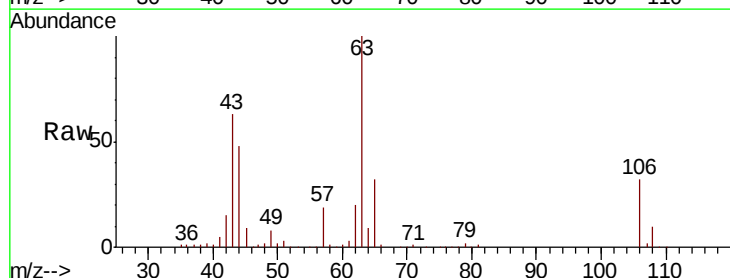
Acq: 25 Oct 2019 17:37

Tgt Ion: 63 Resp: 228781

Ion Ratio Lower Upper

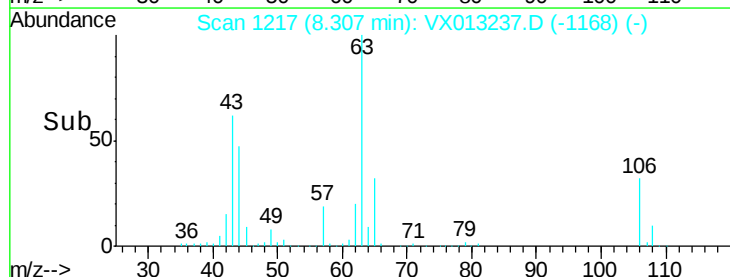
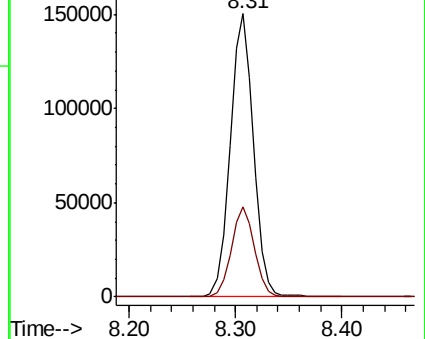
63 100

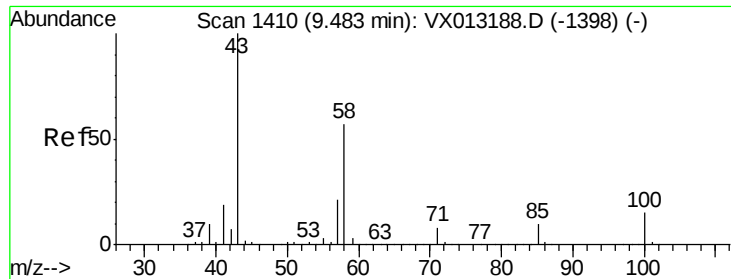
106 31.8 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





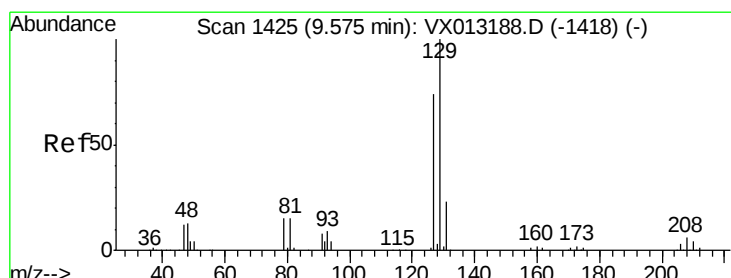
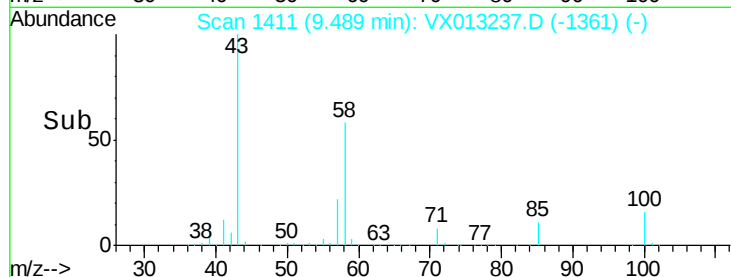
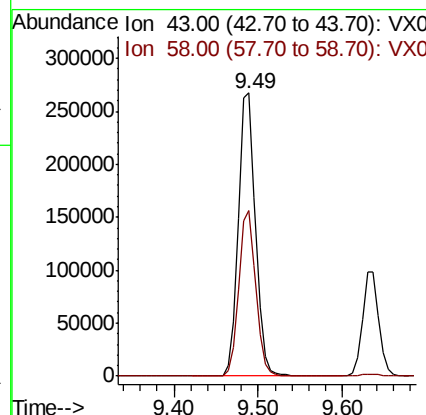
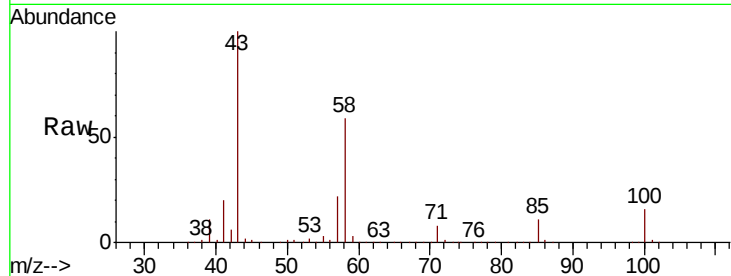
#59
2-Hexanone
Concen: 260.064 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 369959
Ion Ratio Lower Upper
43 100
58 57.5 28.2 84.7

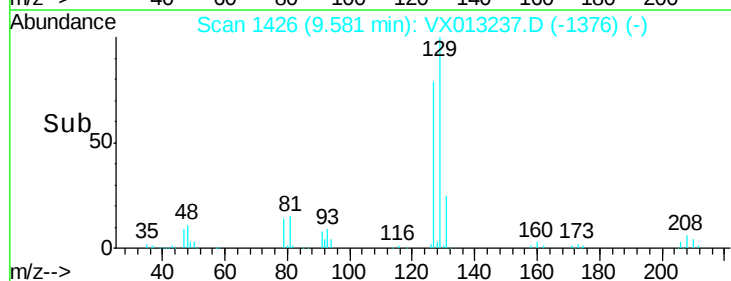
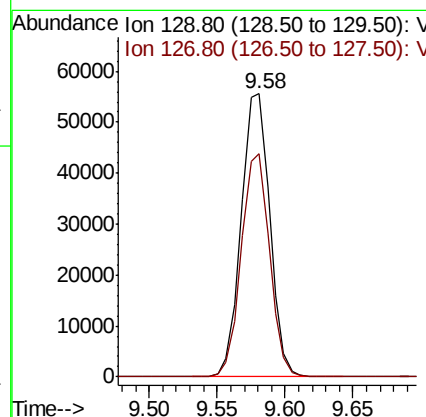
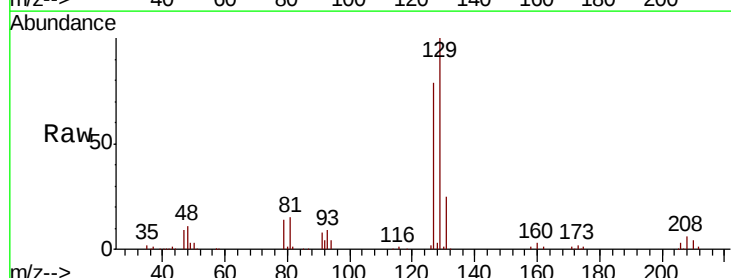
Manual Integrations
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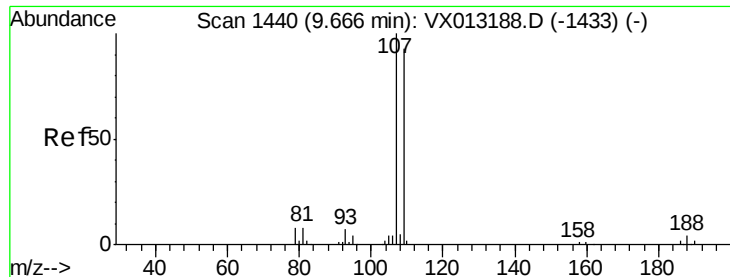
MMDadoda
10/28/2019 12:53:06 PM



#60
Dibromochloromethane
Concen: 54.124 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion: 129 Resp: 81735
Ion Ratio Lower Upper
129 100
127 77.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 51.606 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 78956

Ion Ratio Lower Upper

107 100

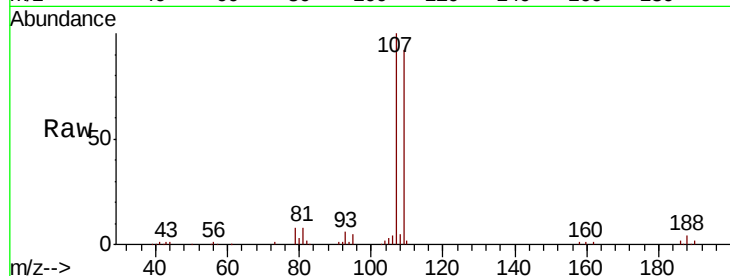
109 92.4 75.7 113.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

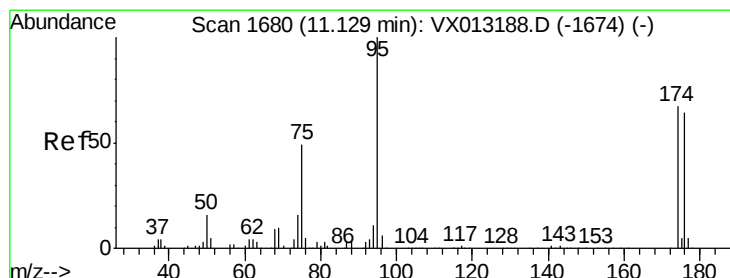
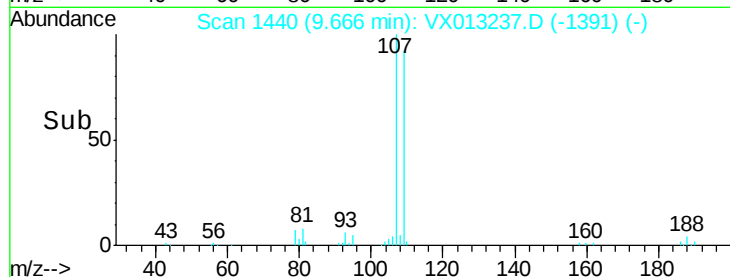
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 50.879 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

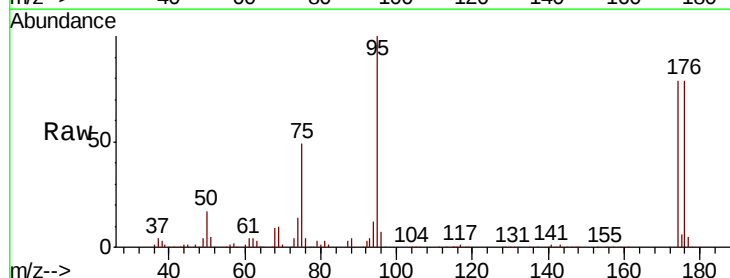
Tgt Ion: 95 Resp: 91135

Ion Ratio Lower Upper

95 100

174 77.0 0.0 152.4

176 73.9 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

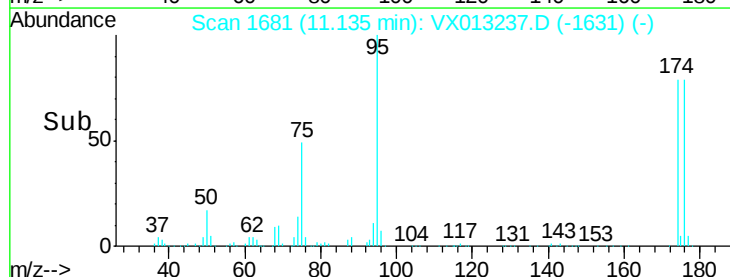
40000

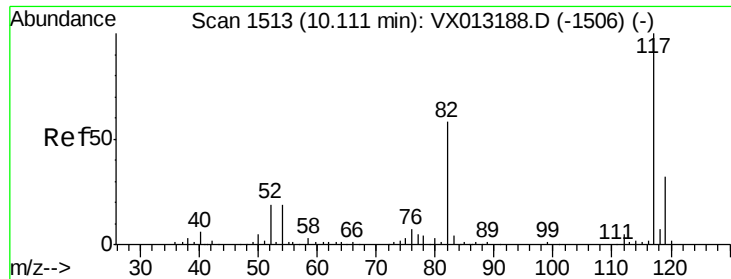
20000

0

11.10 11.20

Time-->





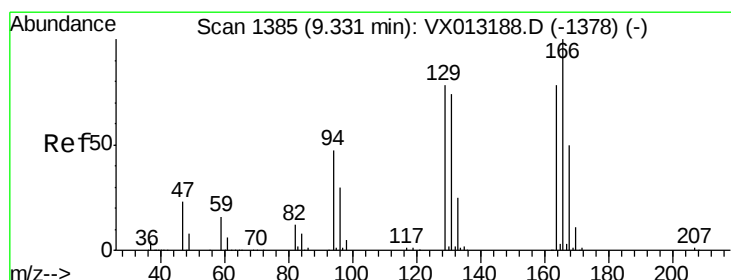
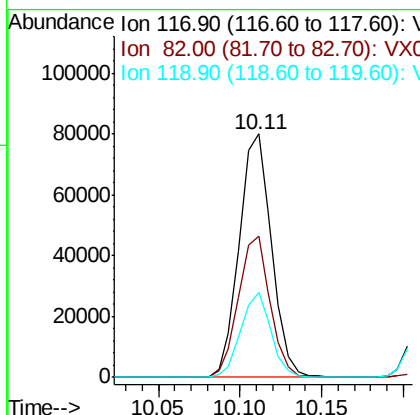
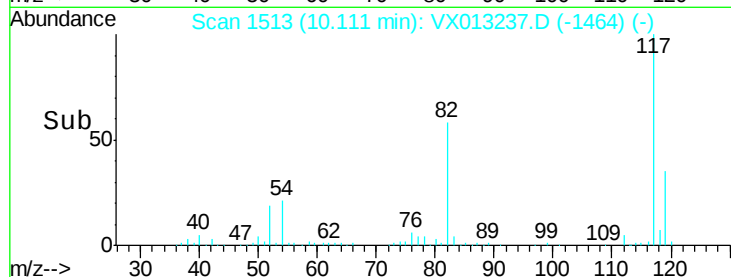
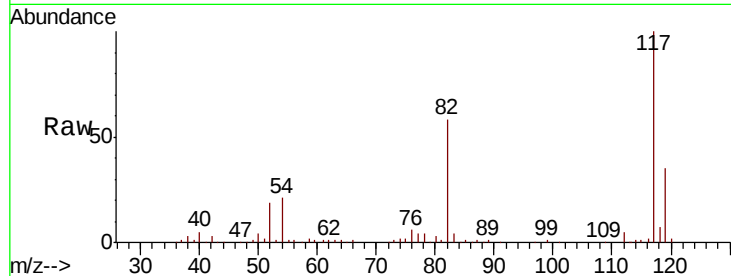
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.5	69.7
119	34.8	25.2	37.8

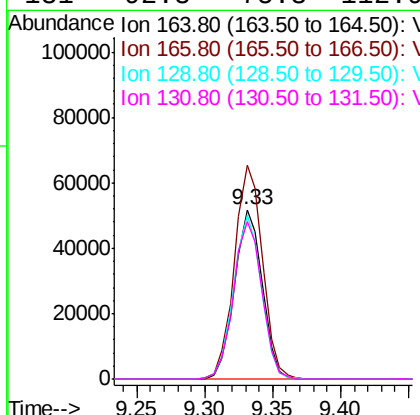
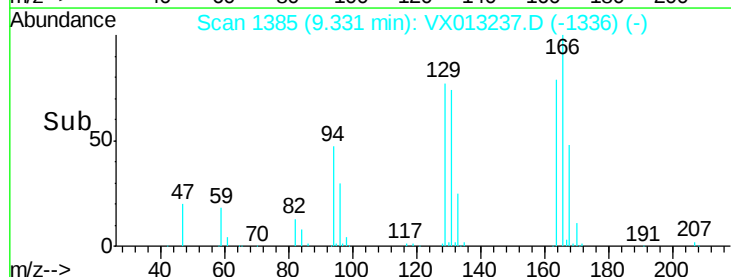
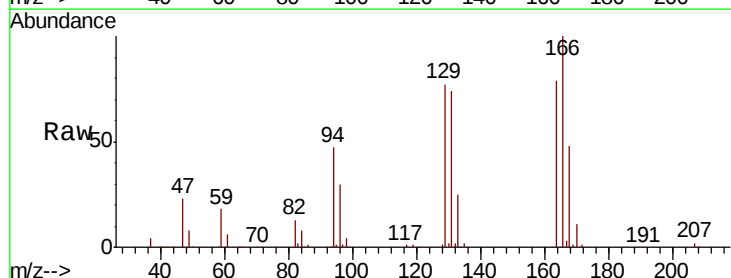
Manual Integrations
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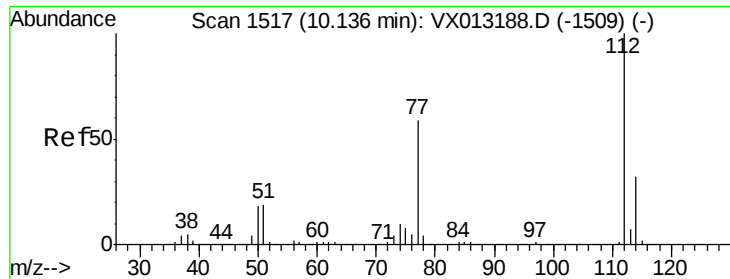
MMDadoda
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#64
Tetrachloroethene
Concen: 53.975 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	102.2	153.4
129	96.8	79.8	119.8
131	92.8	75.3	112.9





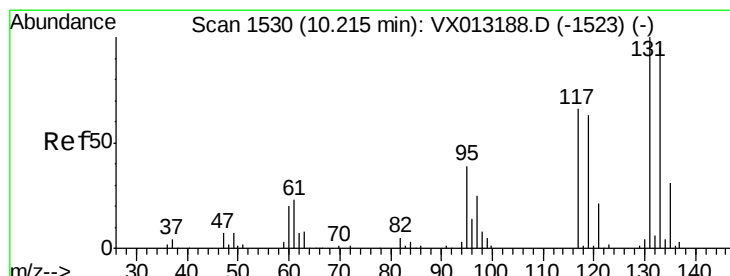
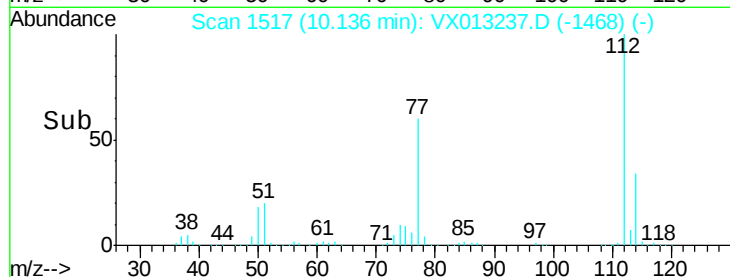
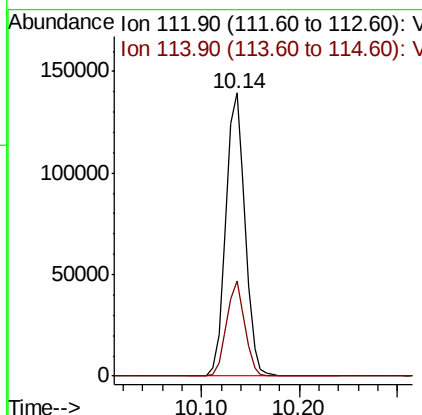
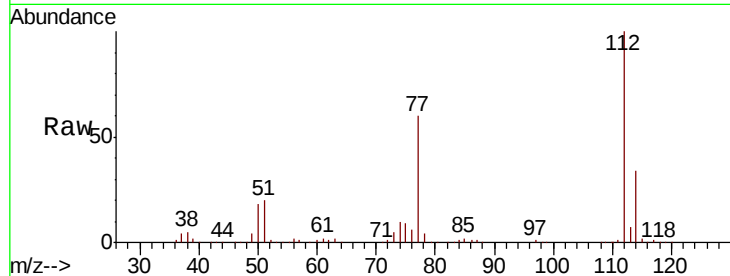
#65
Chlorobenzene
Concen: 49.237 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 190393
Ion Ratio Lower Upper
112 100
114 33.7 25.8 38.8

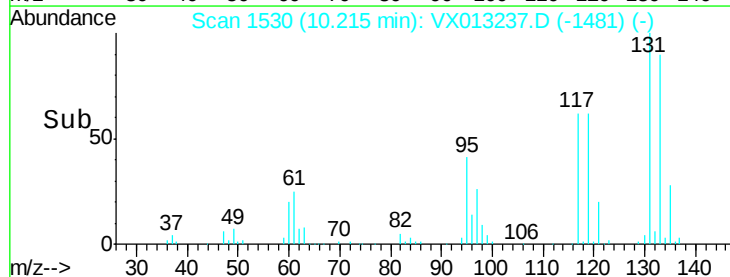
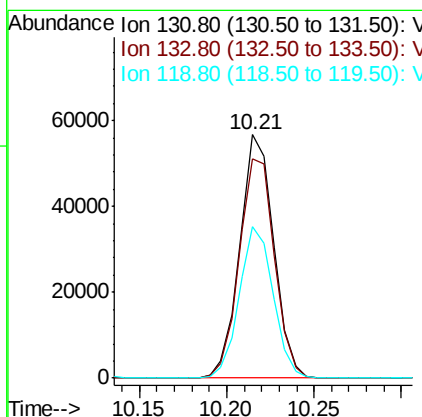
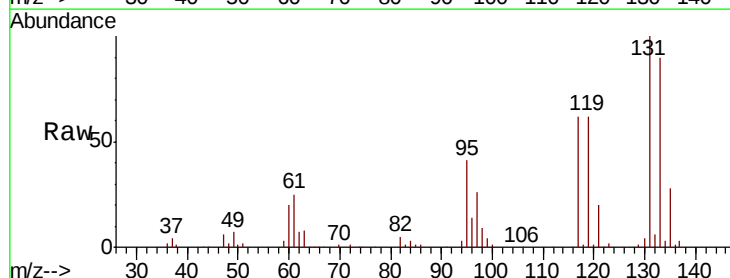
Manual Integrations
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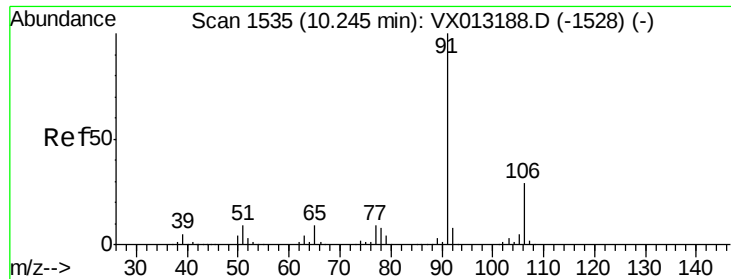
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.416 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion:131 Resp: 76303
Ion Ratio Lower Upper
131 100
133 94.1 48.4 145.2
119 62.5 32.4 97.0





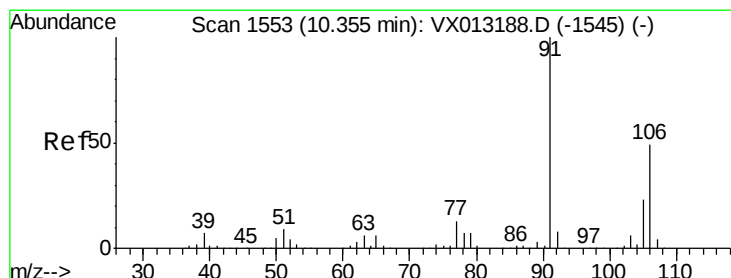
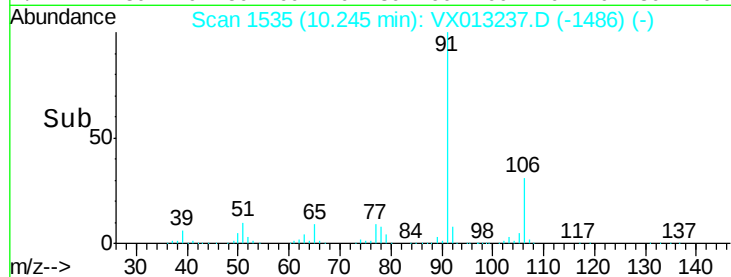
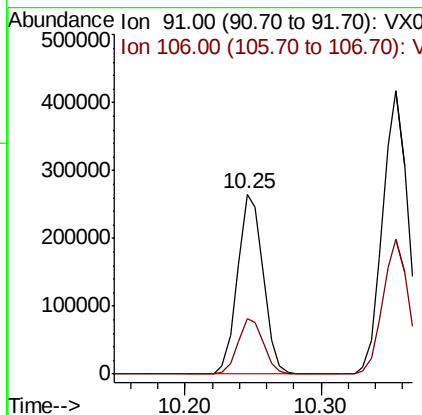
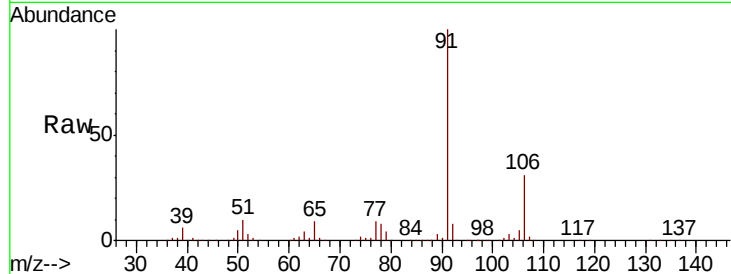
#67
Ethyl Benzene
Concen: 50.215 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 347618
Ion Ratio Lower Upper
91 100
106 31.0 23.5 35.3

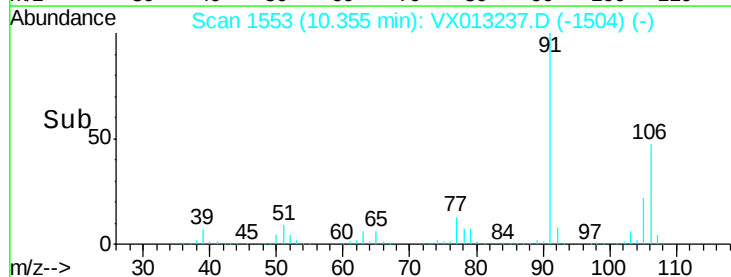
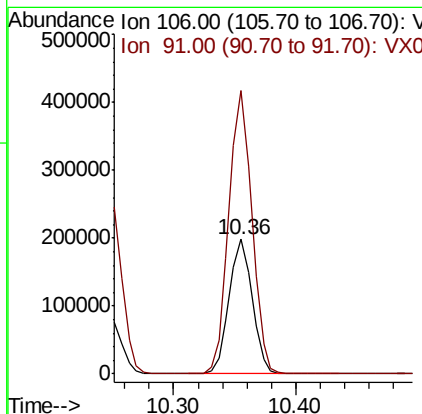
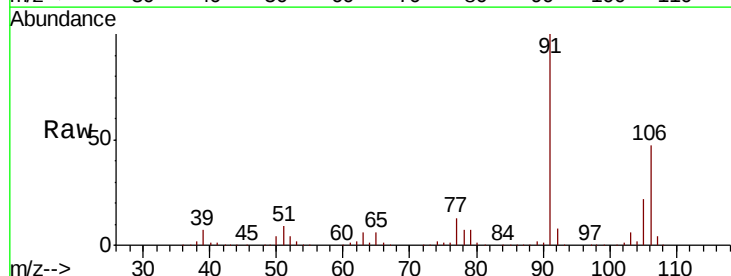
Manual Integrations
APPROVED

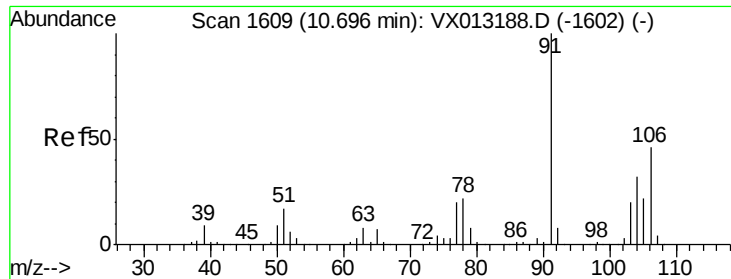
MMDadoda
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#68
m/p-Xylenes
Concen: 99.199 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion: 106 Resp: 259520
Ion Ratio Lower Upper
106 100
91 210.6 166.8 250.2





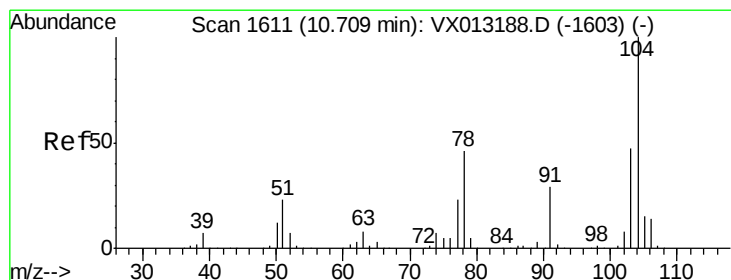
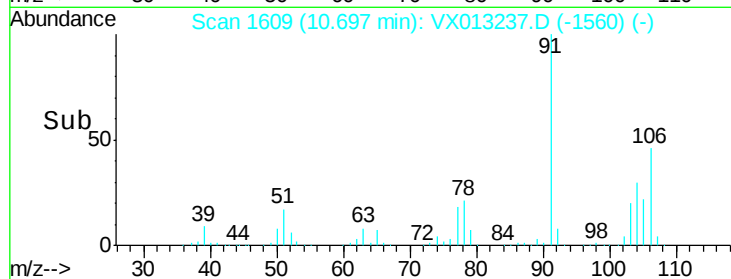
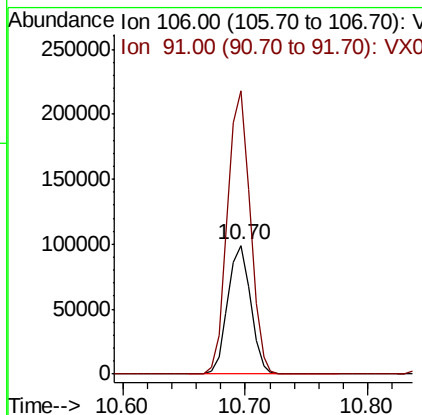
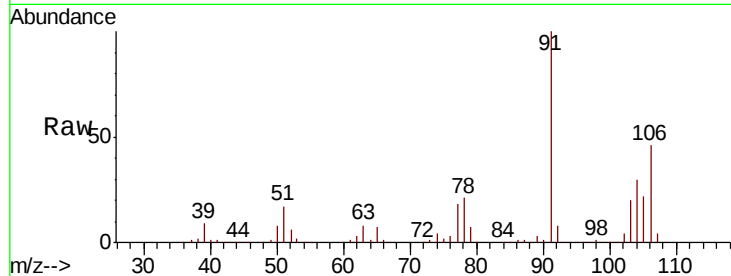
#69
o-Xylene
Concen: 50.923 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		127798		
91	219.3	110.7	331.9		

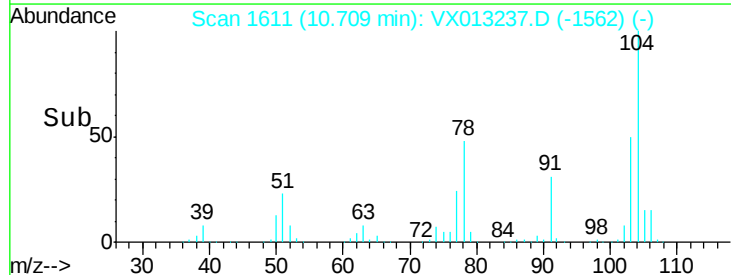
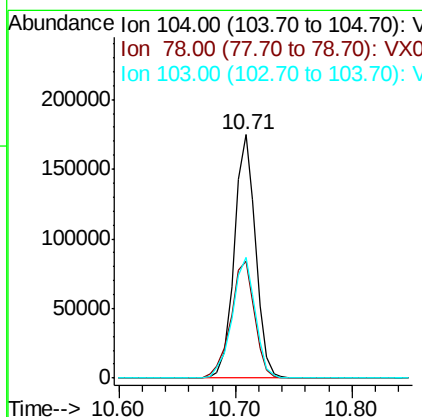
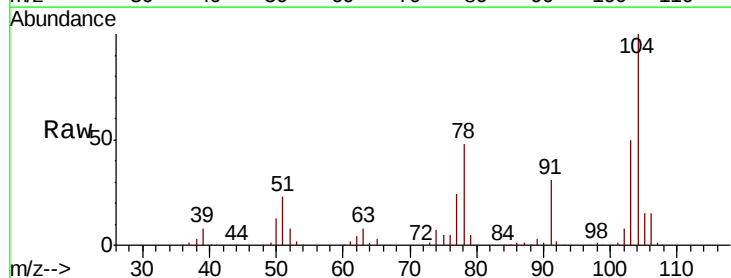
Manual Integrations
APPROVED

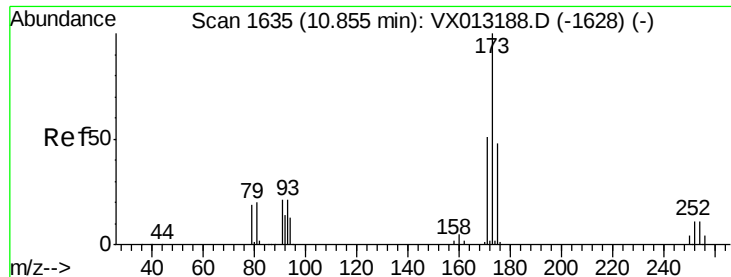
MMDadoda
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#70
Styrene
Concen: 51.435 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		222271		
78	53.5	42.2	63.4		
103	53.8	42.8	64.2		





#71

Bromoform

Concen: 56.118 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 58574

Ion Ratio Lower Upper

173 100

175 47.8 24.3 72.8

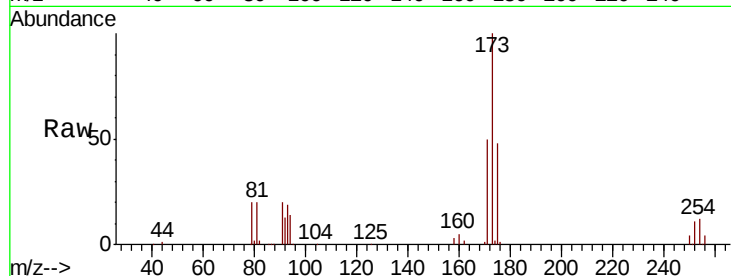
254 0.1 0.1 0.1#

Manual Integrations

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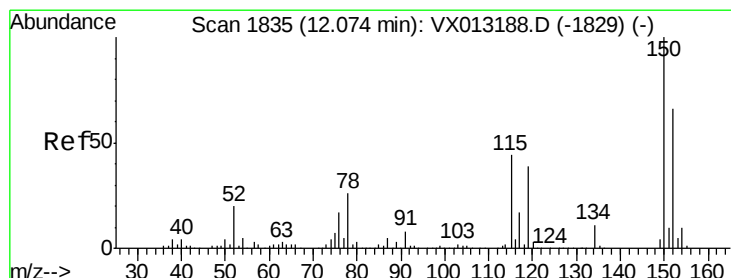
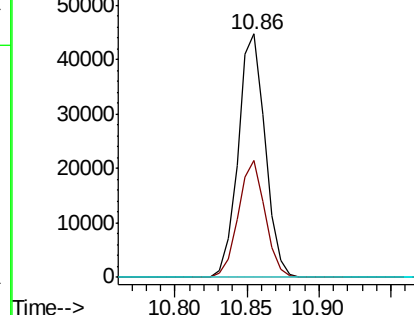
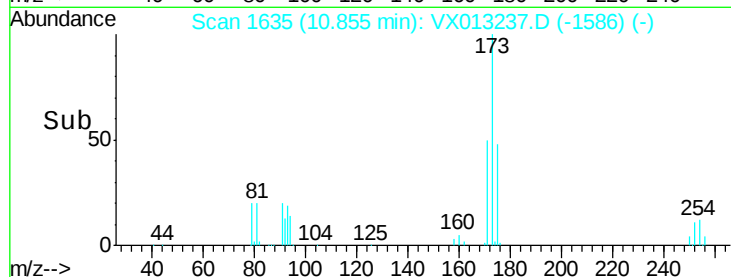
10/28/2019 12:53:06 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

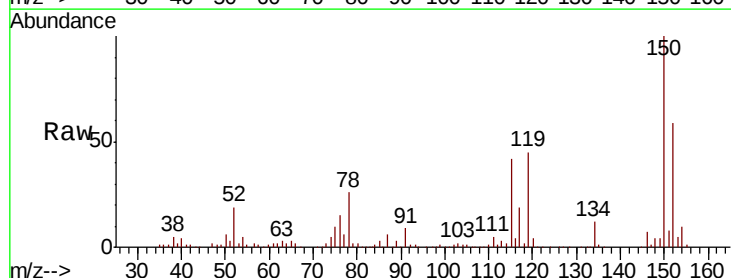
Tgt Ion:152 Resp: 74529

Ion Ratio Lower Upper

152 100

115 98.9 46.6 139.8

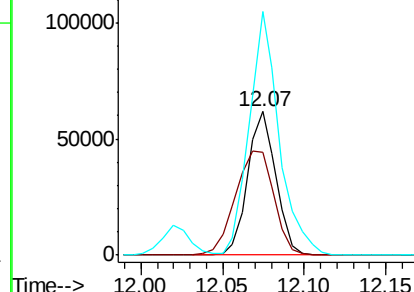
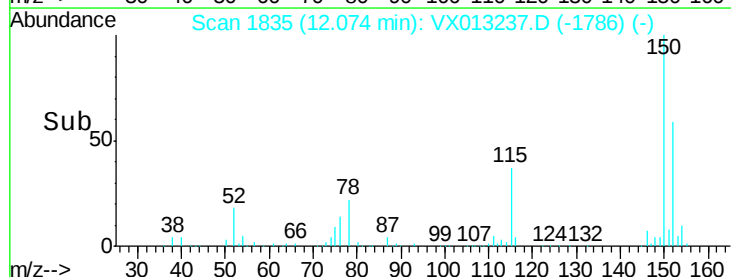
150 180.5 0.0 354.0

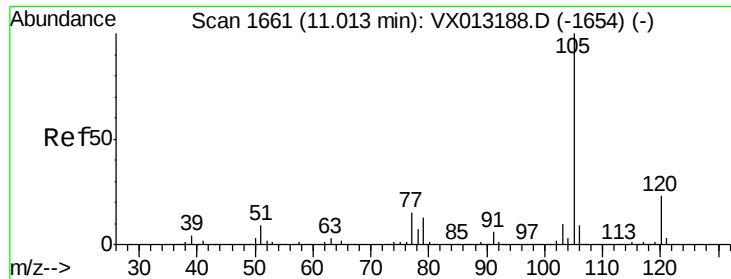


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.608 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 342514

Ion Ratio Lower Upper

105 100

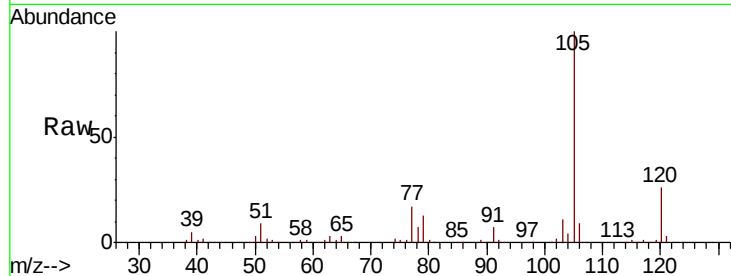
120 25.9 12.6 37.8

Manual Integrations

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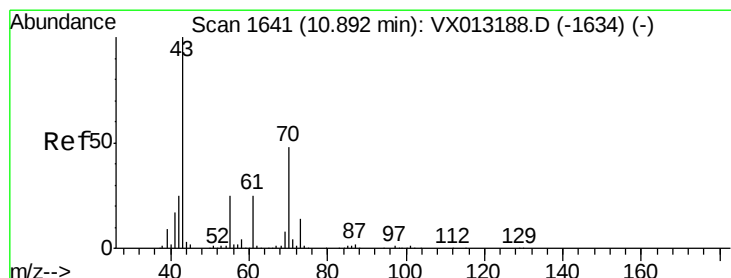
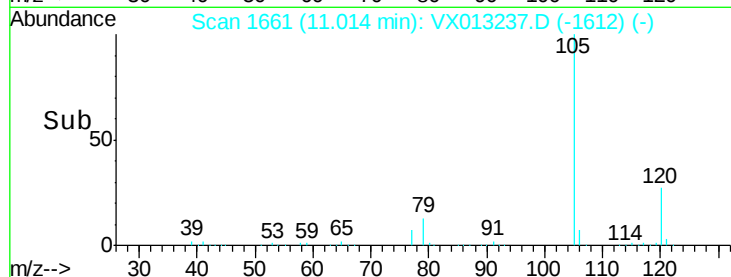
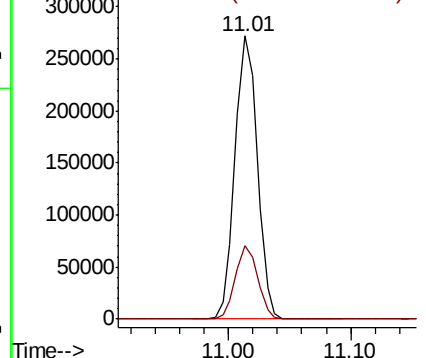
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.562 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Tgt Ion: 43 Resp: 133048

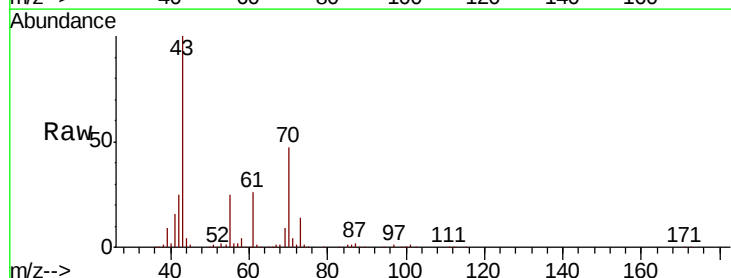
Ion Ratio Lower Upper

43 100

70 48.0 38.5 57.7

55 26.5 20.7 31.1

61 26.5 20.8 31.2

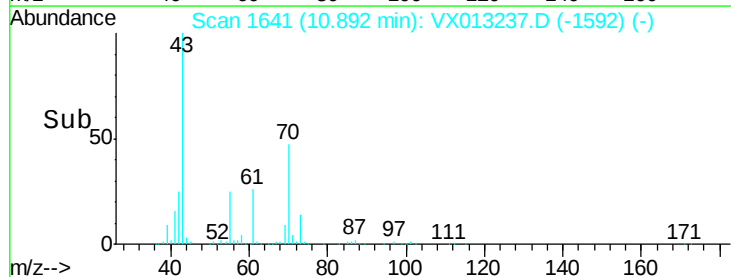
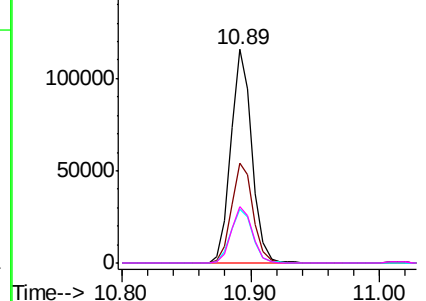


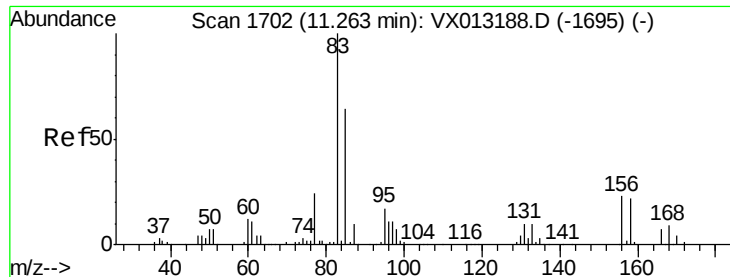
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.604 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 103992

Ion Ratio Lower Upper

83 100

131 11.3 5.3 16.1

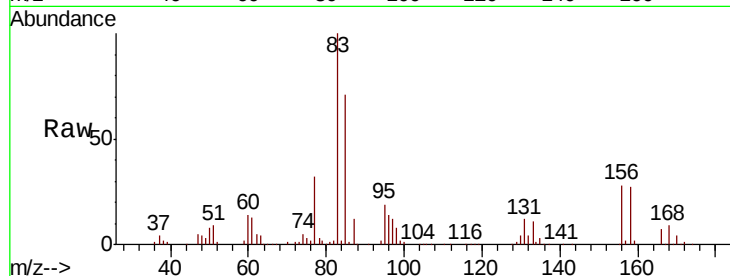
85 66.6 31.4 94.3

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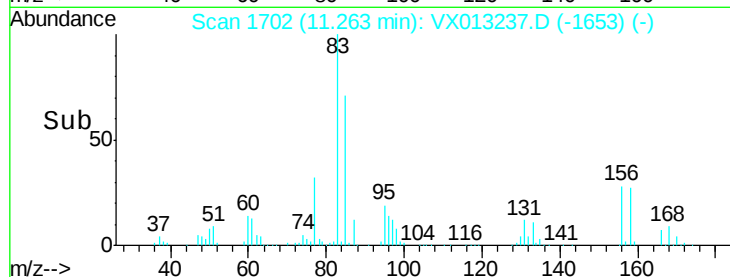
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

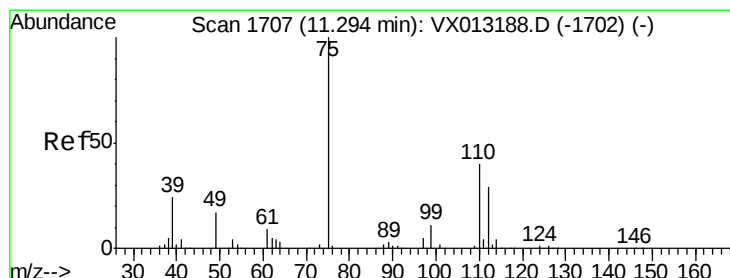
Ion 84.90 (84.60 to 85.60): VX0

11.26

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 51.340 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013237.D

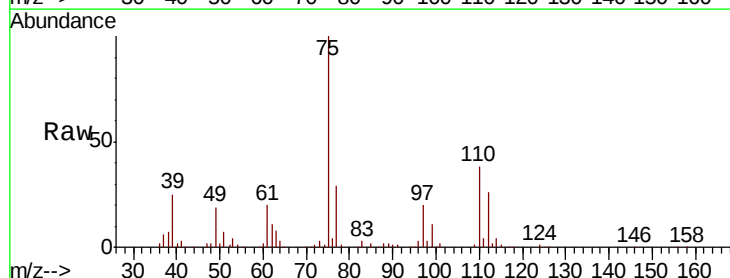
Acq: 25 Oct 2019 17:37

Tgt Ion: 75 Resp: 92221

Ion Ratio Lower Upper

75 100

77 42.2 19.1 57.5

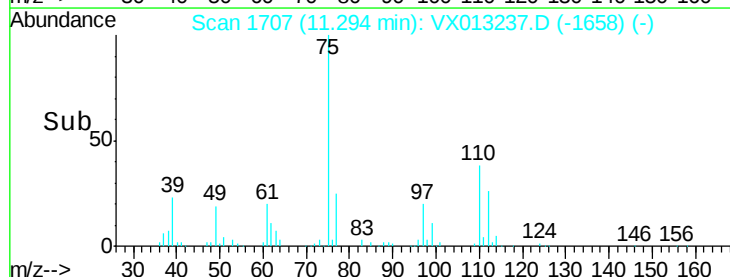


Abundance Ion 74.90 (74.60 to 75.60): VX0

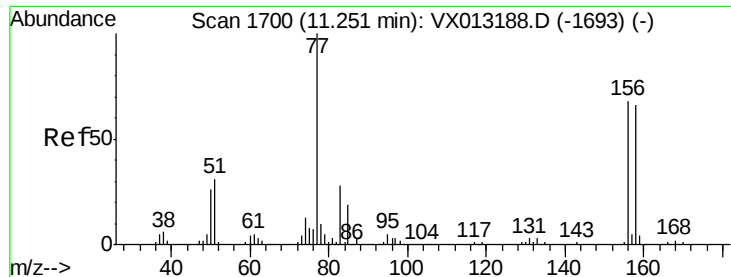
Ion 77.00 (76.70 to 77.70): VX0

11.29

Time-->



Time-->



#77

Bromobenzene

Concen: 50.175 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 81388

Ion Ratio Lower Upper

156 100

77 166.6 81.7 245.1

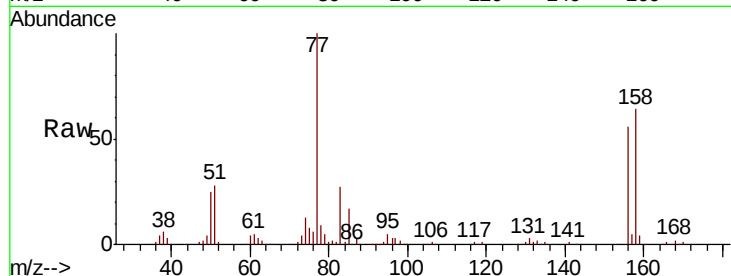
158 99.1 49.6 148.8

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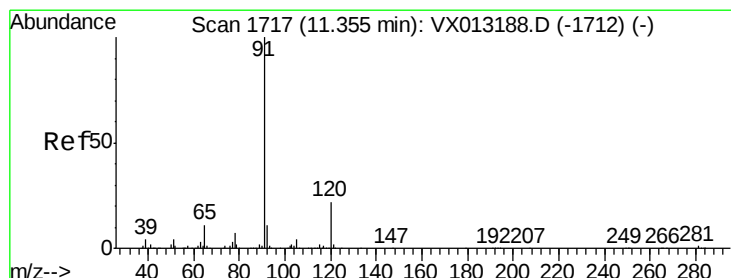
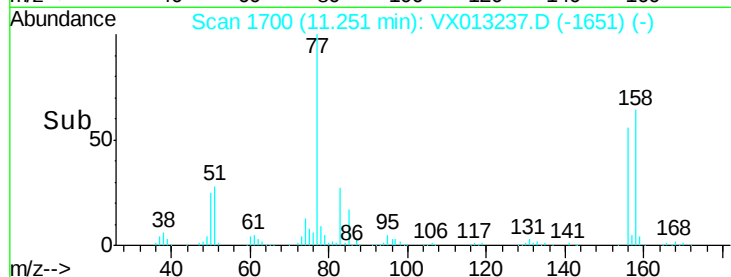
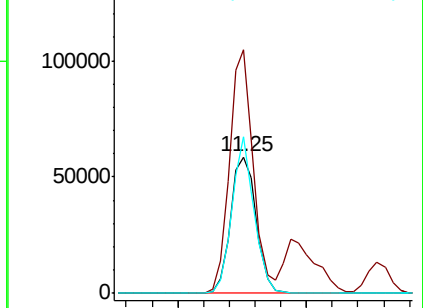
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.827 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013237.D

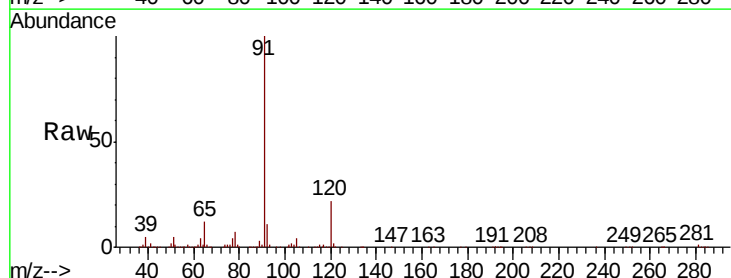
Acq: 25 Oct 2019 17:37

Tgt Ion: 91 Resp: 381014

Ion Ratio Lower Upper

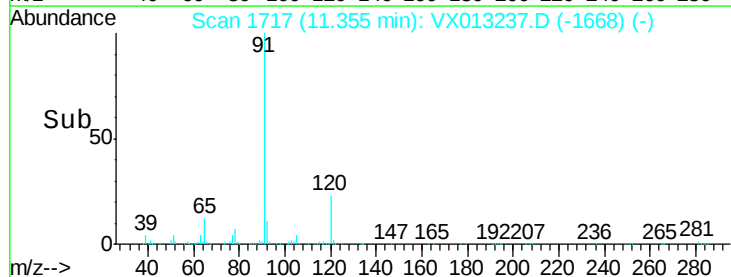
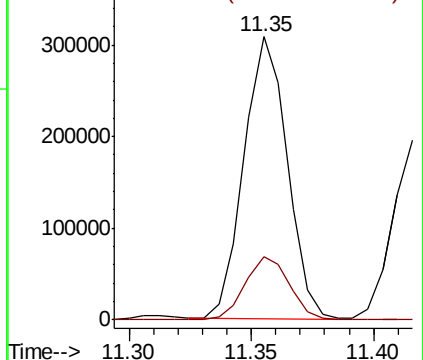
91 100

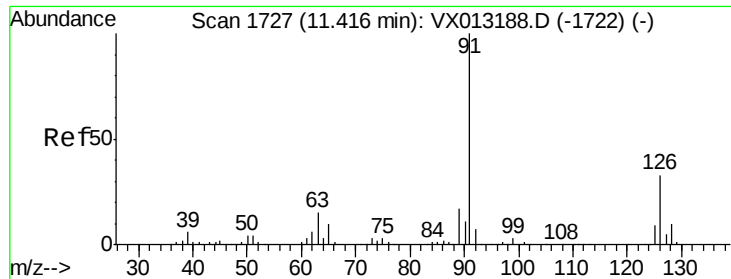
120 23.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





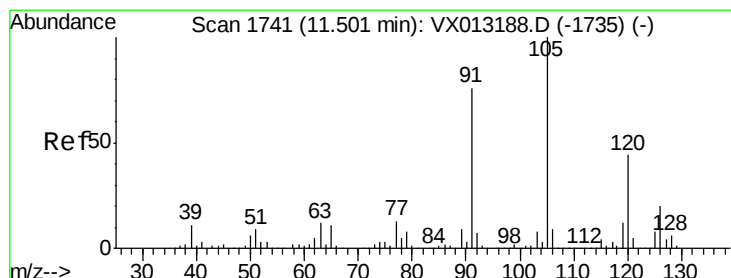
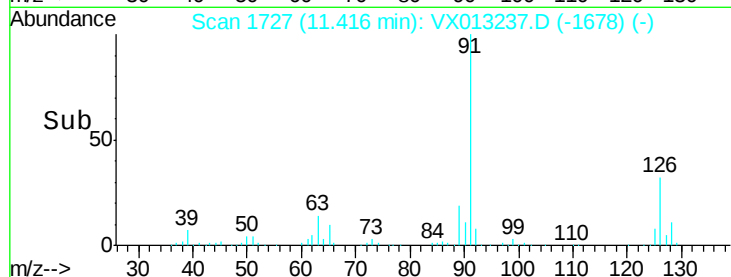
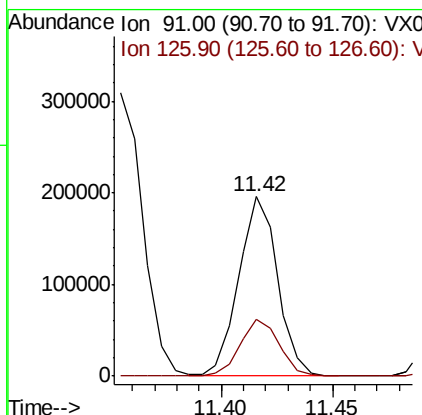
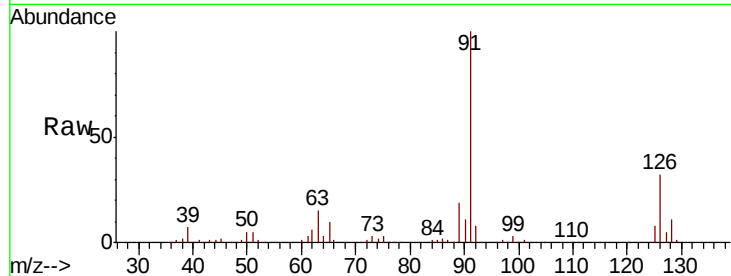
#79
 2-Chlorotoluene
 Concen: 51.276 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 238177
 Ion Ratio Lower Upper
 91 100
 126 31.8 16.3 48.8

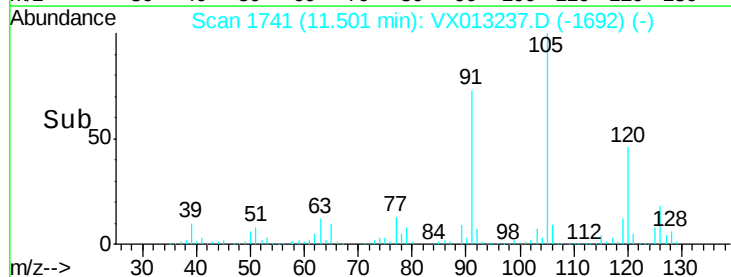
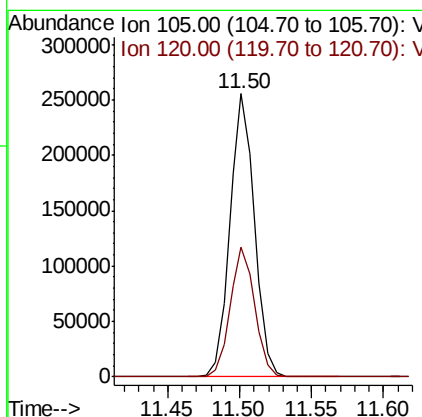
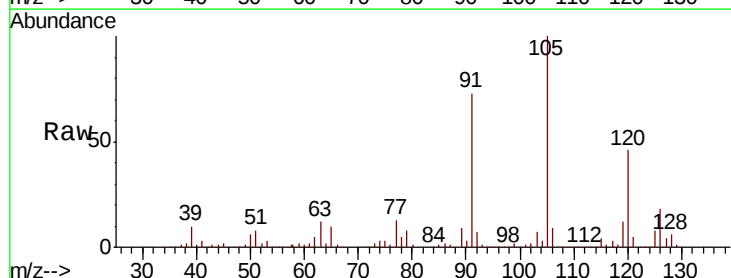
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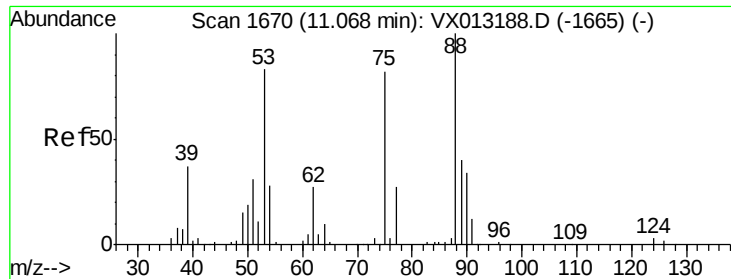
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.192 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Tgt Ion: 105 Resp: 304855
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.617 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

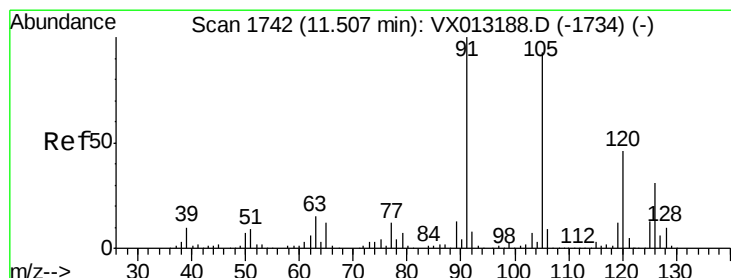
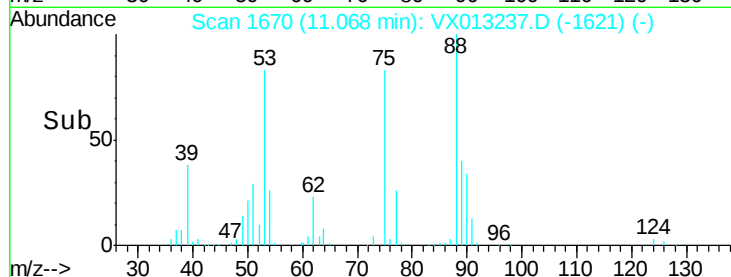
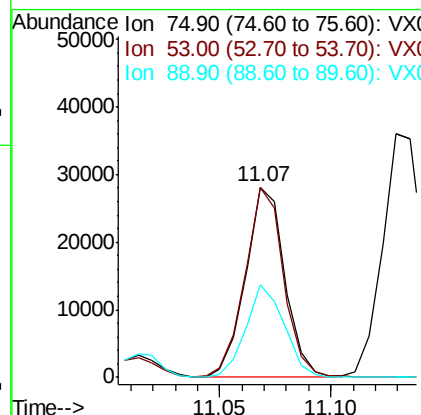
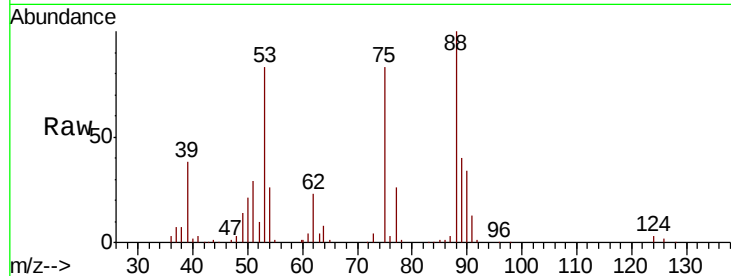
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	34395
Ion Ratio	Lower	Upper	
75	100		
53	99.1	77.9	116.9
89	48.3	37.3	55.9

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#82

4-Chlorotoluene

Concen: 49.717 ug/l

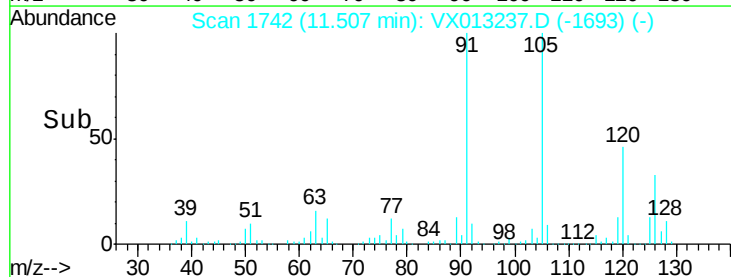
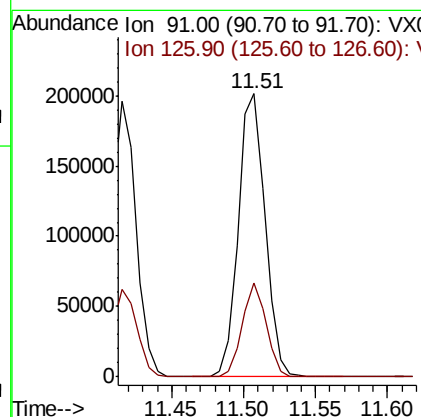
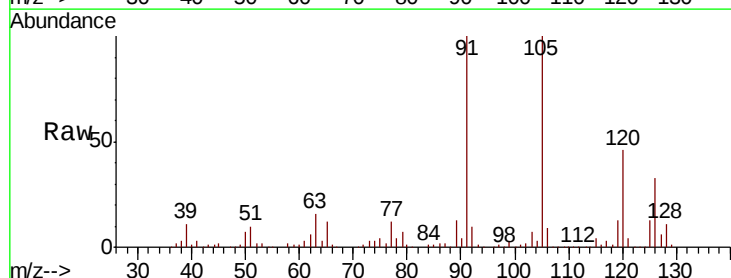
RT: 11.51 min Scan# 1742

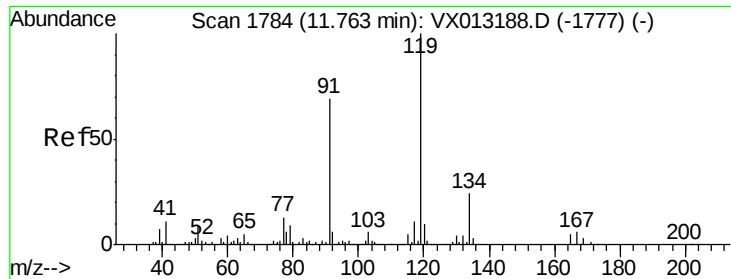
Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Tgt Ion:	91	Resp:	261662
Ion Ratio	Lower	Upper	
91	100		
126	30.0	14.6	44.0





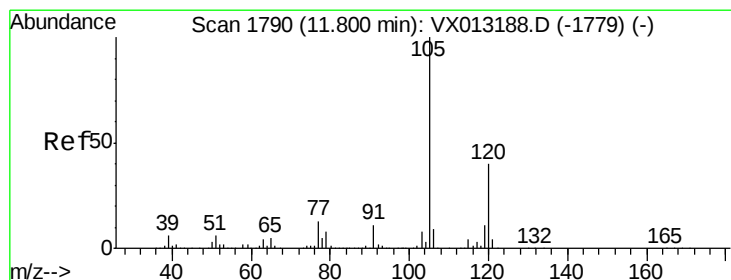
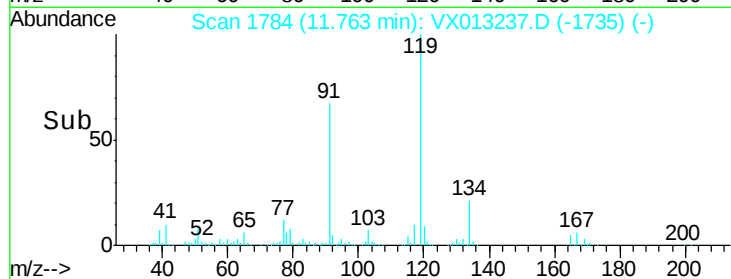
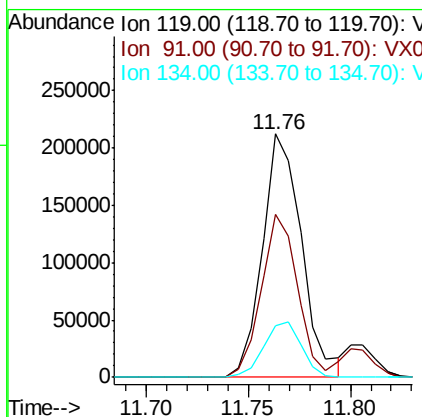
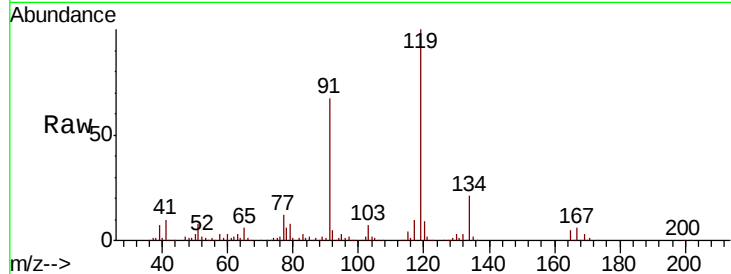
#83
tert-Butylbenzene
Concen: 51.201 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284966		
91	62.0		30.8	92.4
134	22.1		11.5	34.5

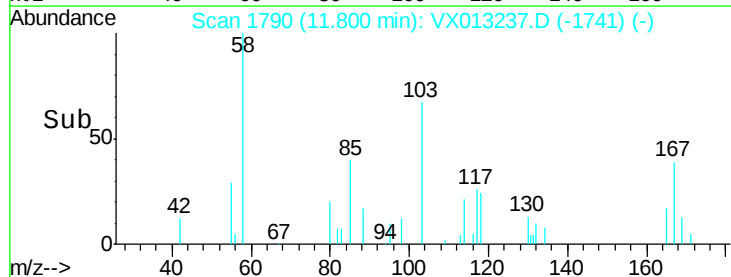
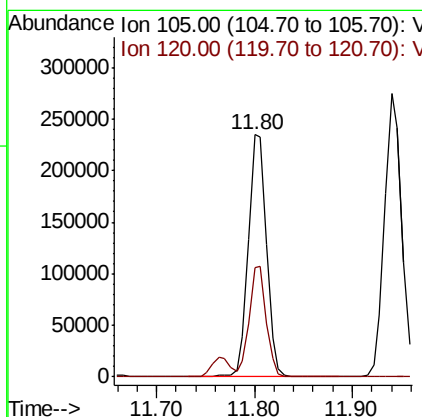
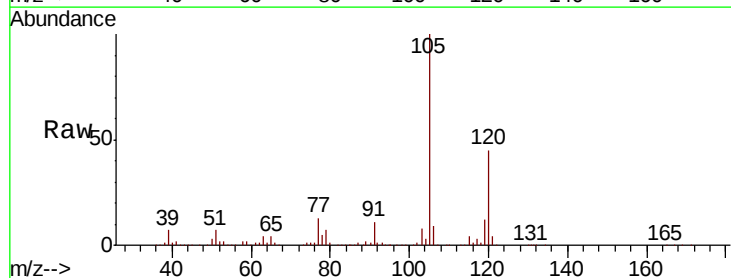
Manual Integrations
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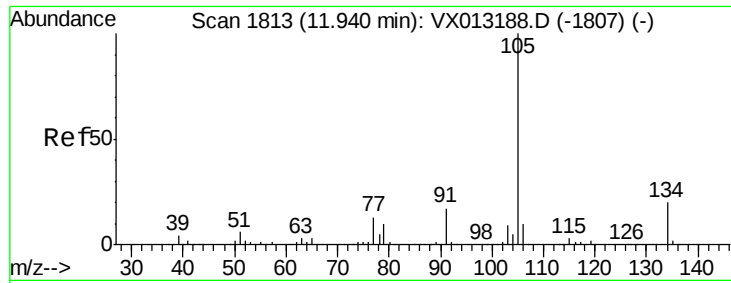
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#84
1,2,4-Trimethylbenzene
Concen: 53.418 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	303105		
120	42.5		21.4	64.3





#85

sec-Butylbenzene

Concen: 52.820 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 334541

Ion Ratio Lower Upper

105 100

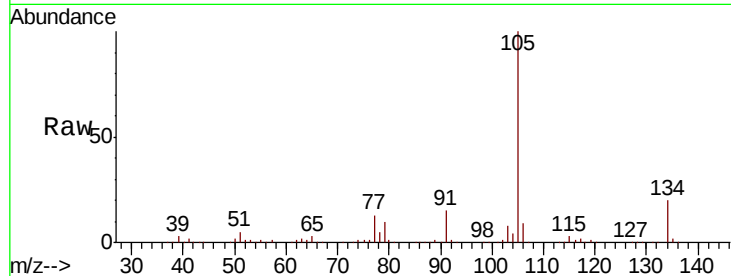
134 19.9 9.9 29.7

Manual Integrations

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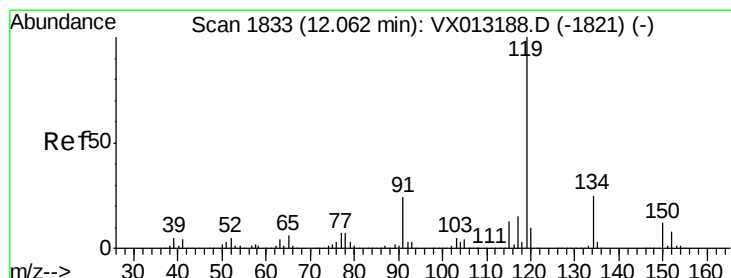
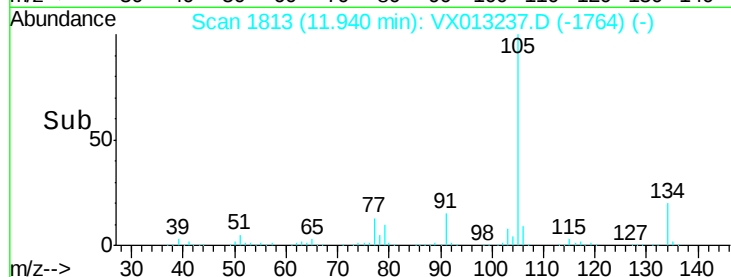
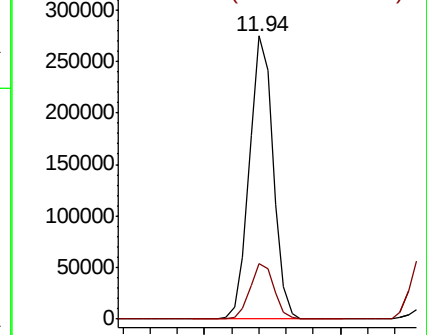
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.125 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013237.D

Acq: 25 Oct 2019 17:37

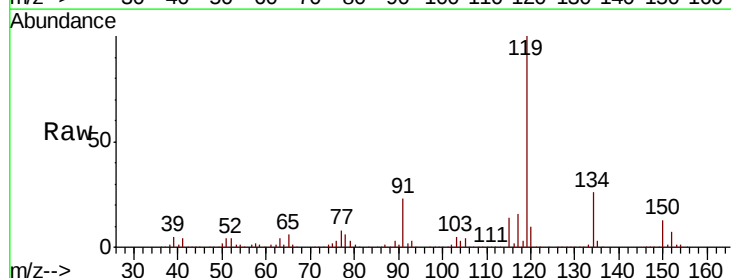
Tgt Ion:119 Resp: 310159

Ion Ratio Lower Upper

119 100

134 24.8 12.5 37.5

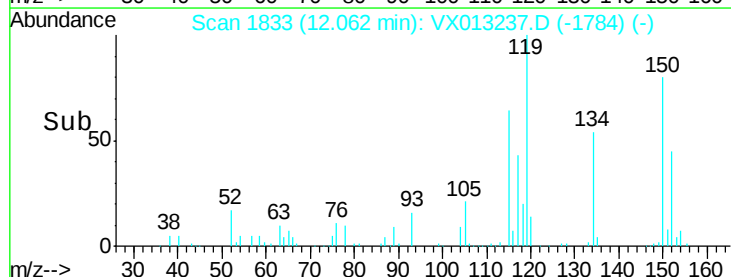
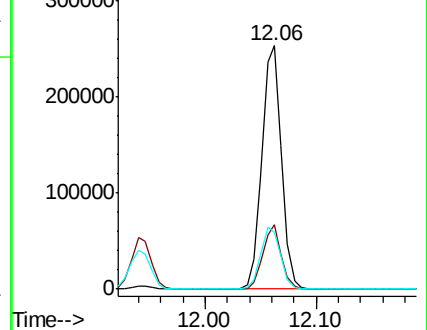
91 25.5 12.4 37.2

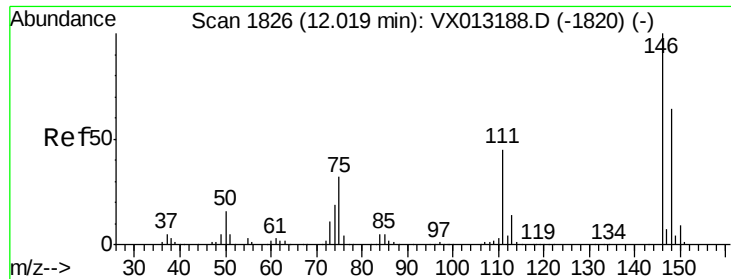


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





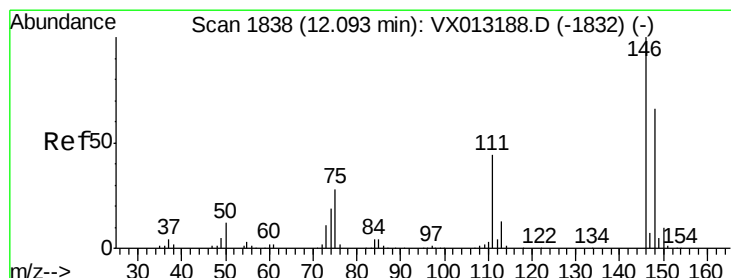
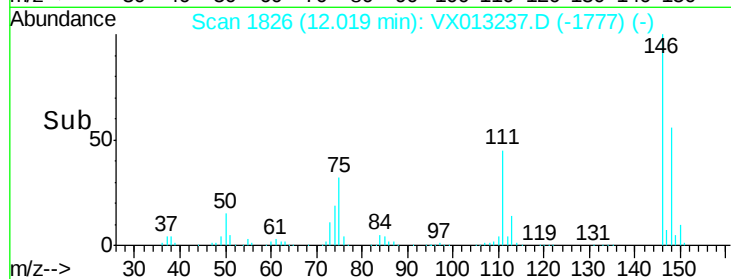
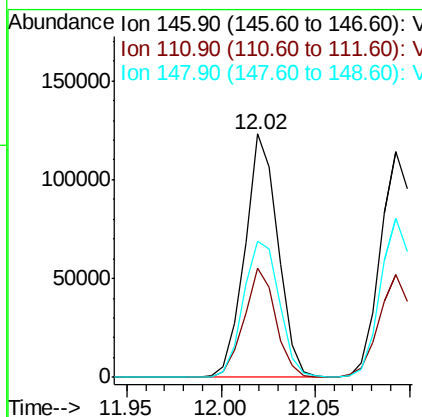
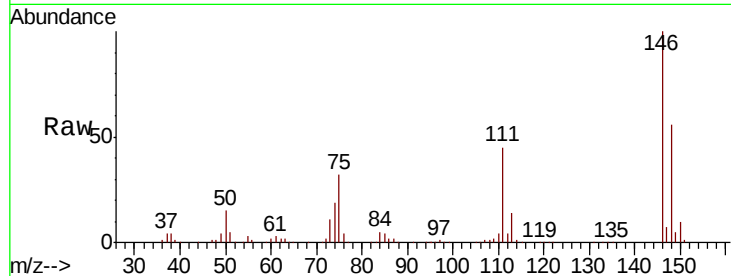
#87
 1,3-Dichlorobenzene
 Concen: 50.980 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.9
148	61.2	31.6	94.8

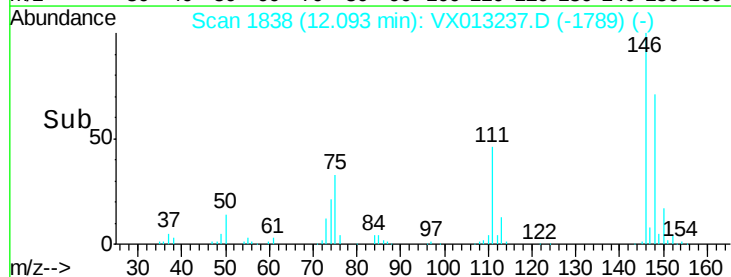
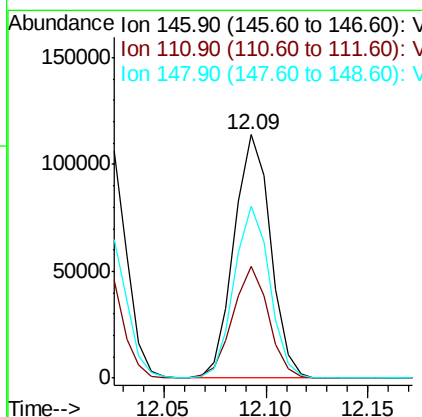
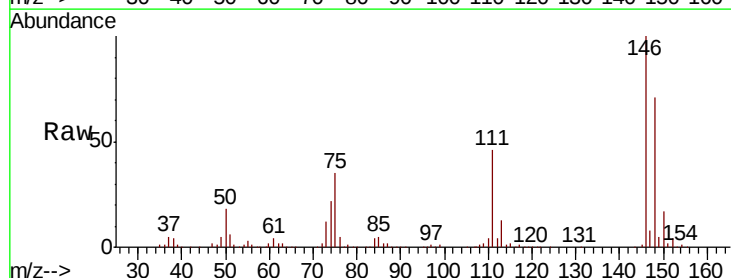
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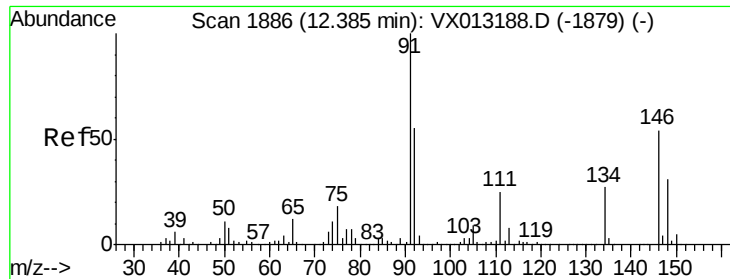
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#88
 1,4-Dichlorobenzene
 Concen: 47.603 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.3	63.9
148	68.0	32.5	97.5





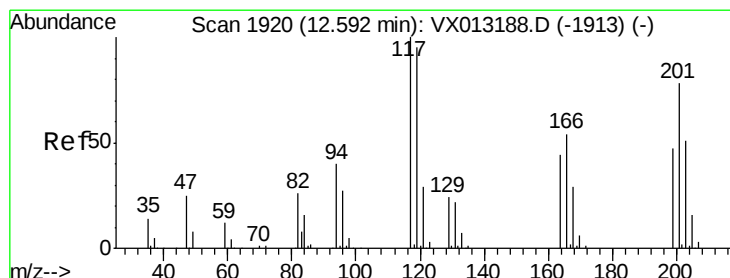
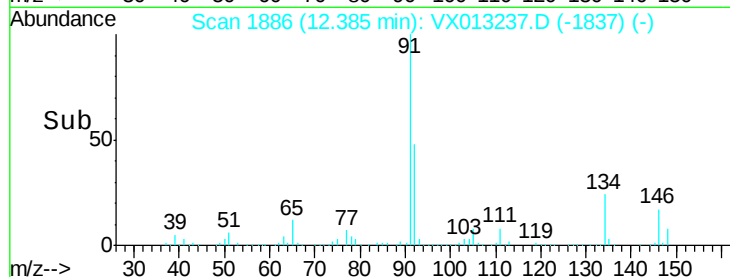
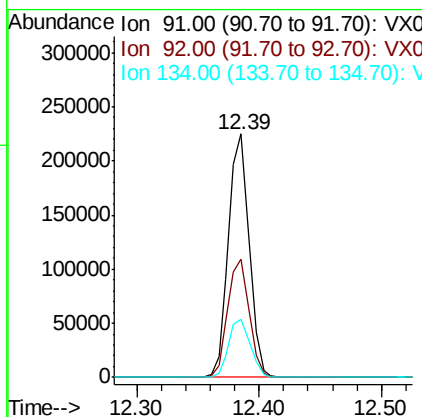
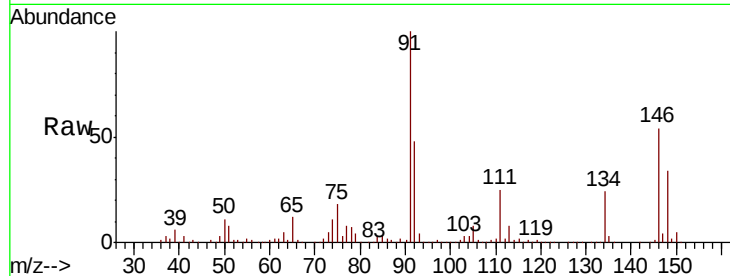
#89
n-Butylbenzene
Concen: 53.791 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		261829		
92	50.4	27.7	83.1		
134	24.9	13.2	39.6		

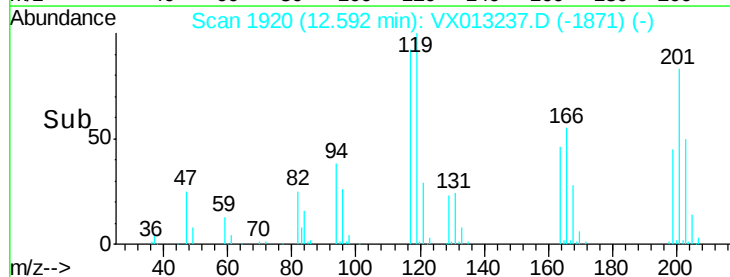
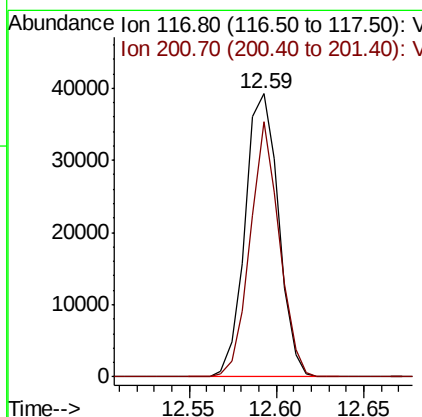
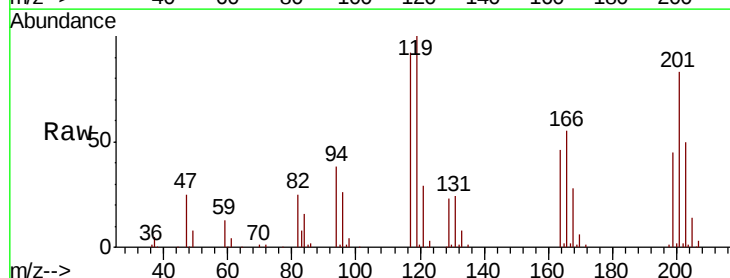
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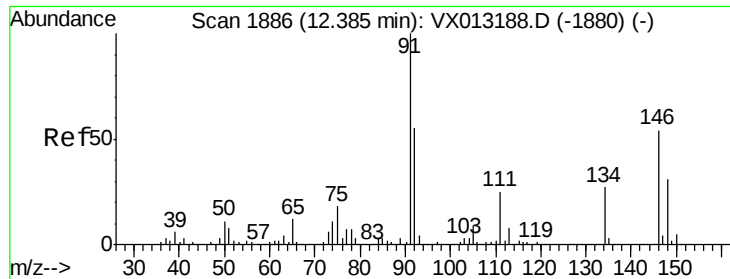
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#90
Hexachloroethane
Concen: 52.465 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		52280		
201	78.7	39.0	116.9		





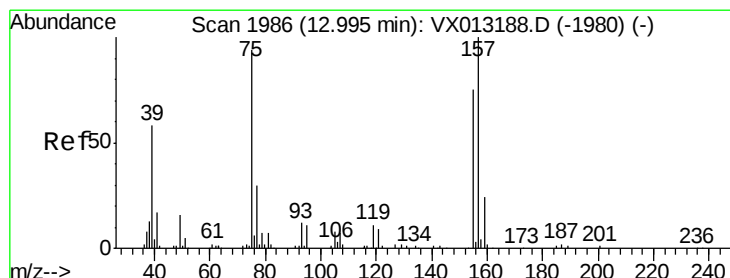
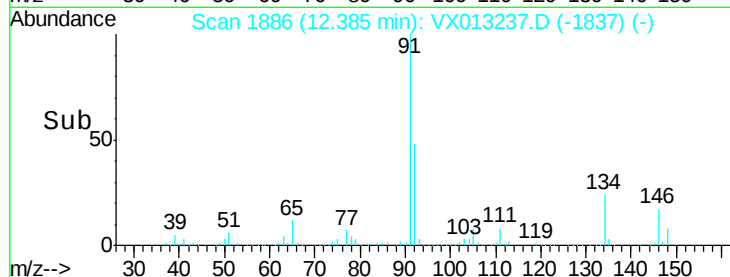
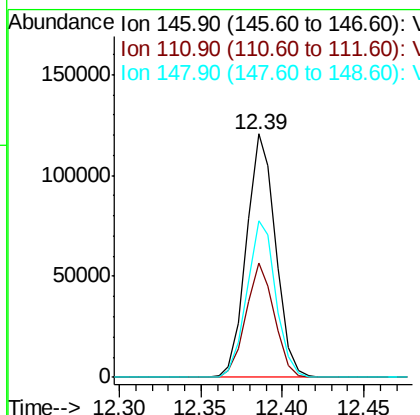
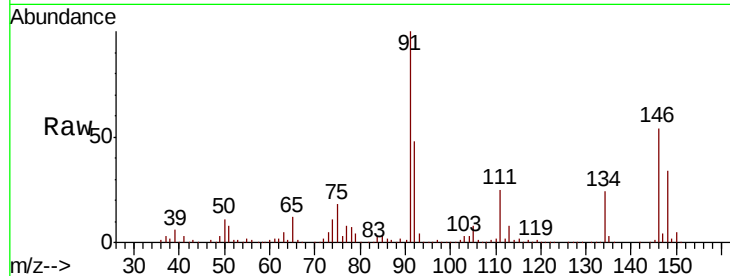
#91
 1,2-Dichlorobenzene
 Concen: 52.060 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.9	68.8
148	63.9	31.8	95.3

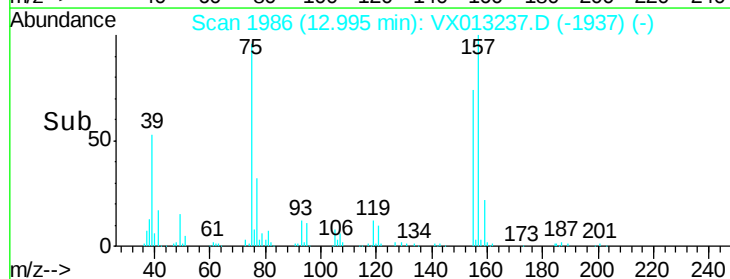
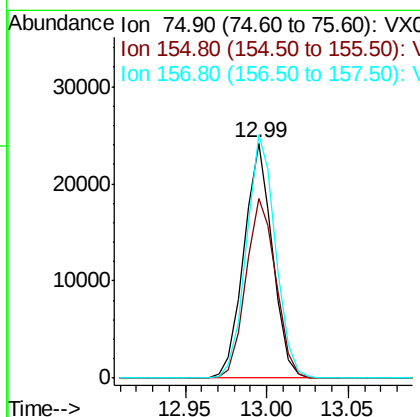
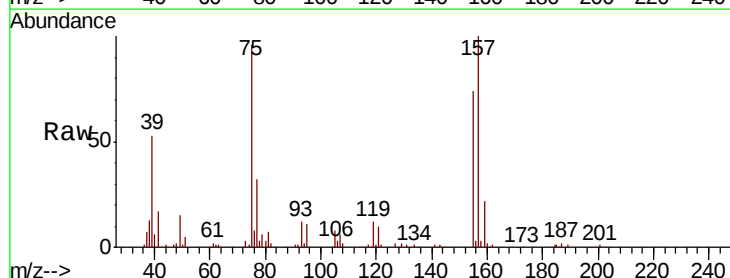
Manual Integrations
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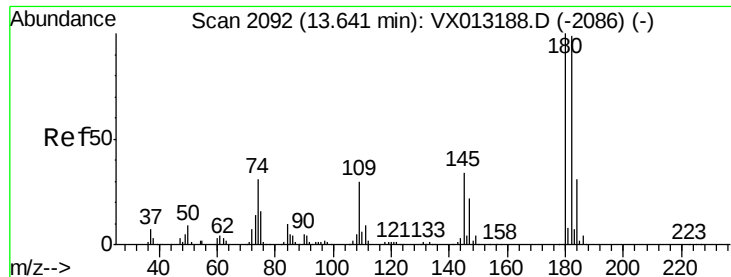
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.486 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	42.8	128.4
157	105.7	54.3	162.8





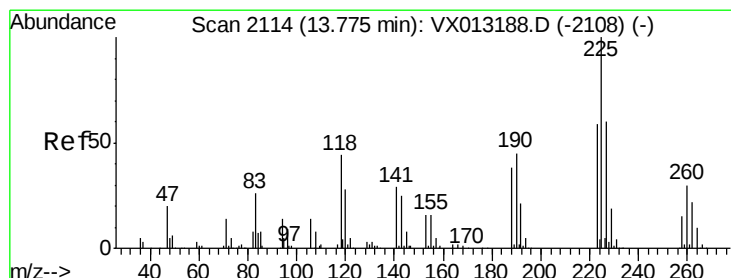
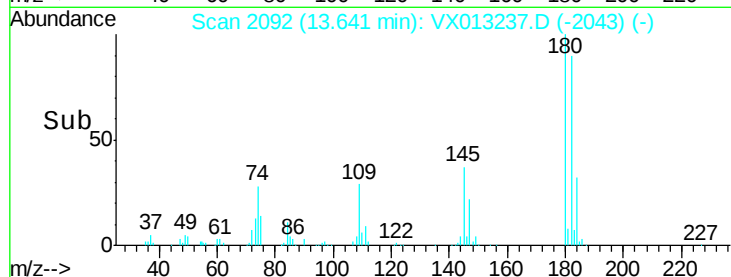
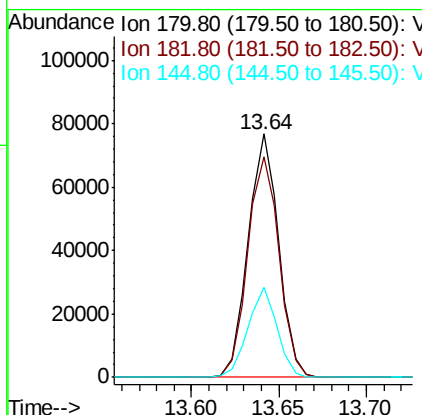
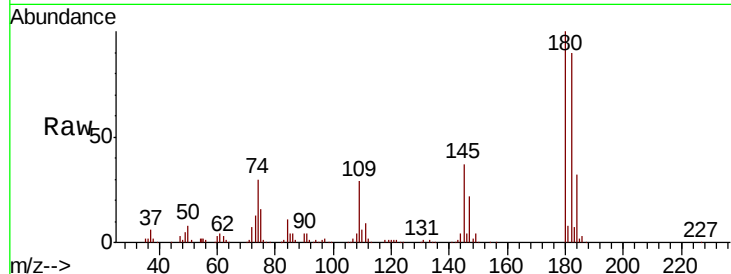
#93
 1,2,4-Trichlorobenzene
 Concen: 51.220 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	45.9	137.6
145	35.3	15.9	47.6

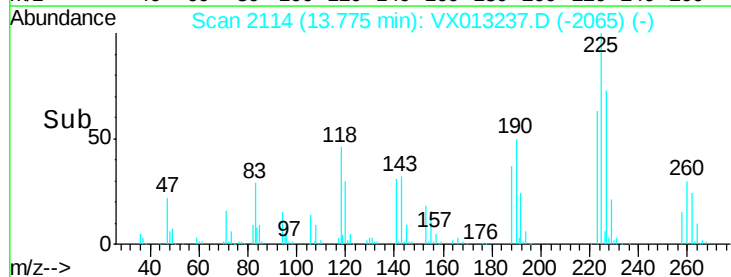
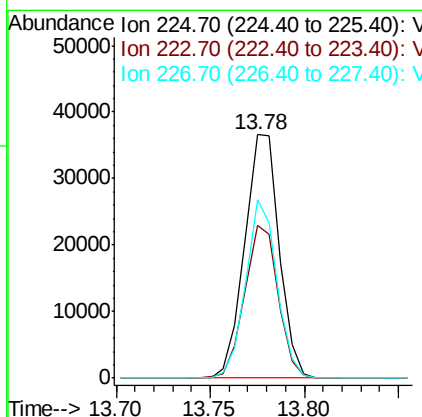
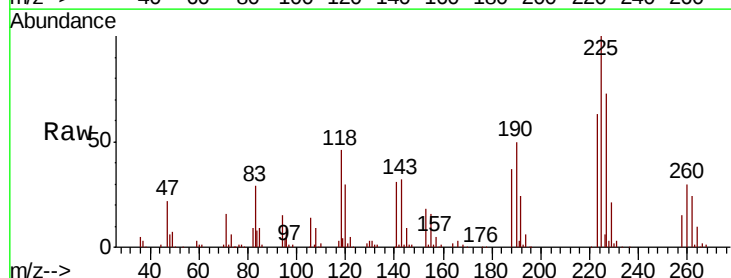
Manual Integrations
 APPROVED

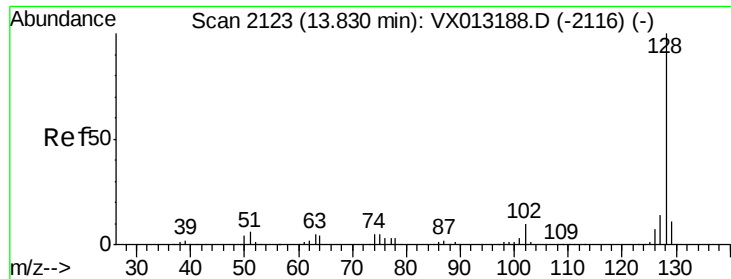
MMDadoda
 10/28/2019 12:53:06 PM



#94
 Hexachlorobutadiene
 Concen: 49.709 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013237.D
 Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	30.9	92.5
227	65.9	30.3	90.9





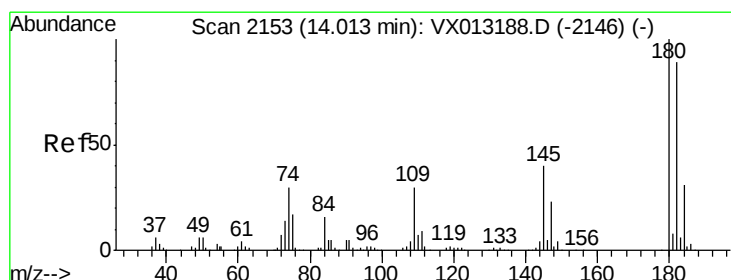
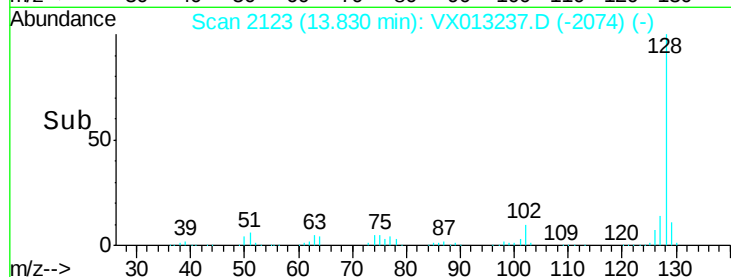
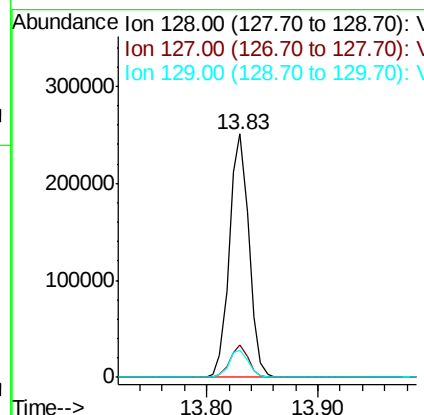
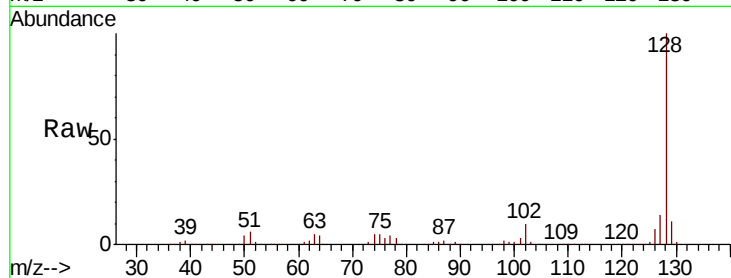
#95
Naphthalene
Concen: 54.558 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.7	16.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

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10/28/2019 12:53:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.814 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013237.D
Acq: 25 Oct 2019 17:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	48.3	144.9
145	35.7	18.6	55.6

