

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102219\
 Data File : VX013173.D
 Acq On : 22 Oct 2019 13:30
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/23/2019 3:10:33 PM

Quant Time: Oct 23 07:52:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	29377	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	166526	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	151900	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	67959	29.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.97%
60) 4-Bromofluorobenzene	11.13	95	79684	30.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.43%
63) Toluene-d8	8.71	98	206129	30.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	39114	18.545	ug/l 98
3) Chloromethane	1.32	50	33133	18.019	ug/l 97
4) Vinyl Chloride	1.40	62	34079	17.926	ug/l 95
5) Bromomethane	1.63	94	22397	21.832	ug/l 98
6) Chloroethane	1.72	64	20807	17.151	ug/l 98
7) Trichlorofluoromethane	1.92	101	56663	18.547	ug/l 95
8) Diethyl Ether	2.17	74	18708	17.941	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	34592	18.538	ug/l 97
10) 1,1-Dichloroethene	2.36	96	32901	18.256	ug/l 96
11) Methyl Iodide	2.50	142	39184	16.882	ug/l 96
12) Methyl Acetate	2.76	43	41845	17.981	ug/l 90
13) Acrolein	2.28	56	30985	89.442	ug/l 100
14) Acrylonitrile	3.12	53	85731	88.087	ug/l 98
15) Acetone	2.43	58	29947	93.394	ug/l 100
16) Carbon Disulfide	2.56	76	84181	17.492	ug/l 100
17) Allyl chloride	2.72	41	51071	17.816	ug/l 97
18) Methylene Chloride	2.84	84	36615	17.547	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	35823	18.732	ug/l 94
20) Diisopropyl ether	3.84	45	102197	18.432	ug/l 92
21) 1,1-Dichloroethane	3.69	63	61562	18.287	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	39278	18.012	ug/l 97
23) tert-Butyl Alcohol	3.02	59	39695	77.414	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	115437	18.573	ug/l 97
25) Chloroform	5.20	83	65039	18.385	ug/l 100
26) Cyclohexane	5.57	56	53760	18.200	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	47607	18.403	ug/l # 86
30) 2-Butanone	4.65	43	123731	91.180	ug/l 100
31) 2,2-Dichloropropane	4.57	77	57206	19.126	ug/l # 80
32) 1,1,1-Trichloroethane	5.48	97	59034	18.858	ug/l 100
33) Carbon Tetrachloride	5.77	117	50395	18.730	ug/l 99
34) Benzene	6.13	78	140765	18.901	ug/l 98
35) Methacrylonitrile	5.02	41	25075	18.018	ug/l 94
36) 1,2-Dichloroethane	6.18	62	54237	19.265	ug/l 99
37) Trichloroethene	7.20	130	40040	19.383	ug/l 94
38) Methylcyclohexane	7.46	83	59098	18.732	ug/l 99
39) 1,2-Dichloropropane	7.50	63	34443	18.842	ug/l 98
40) Dibromomethane	7.65	93	24870	19.047	ug/l 100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	50011	18.996	ug/l	100
42) Vinyl Acetate	3.80	43	441024	93.721	ug/l	99
43) Ethyl Acetate	4.82	43	46473	18.777	ug/l	99
44) Isopropyl Acetate	6.43	43	77113	18.538	ug/l	100
45) 1,4-Dioxane	7.73	88	17432	331.370	ug/l	98
46) Methyl methacrylate	7.76	41	38073	18.601	ug/l	96
47) n-amyl Acetate	10.89	43	64035	18.262	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	53542	18.540	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	57149	18.186	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	37354	19.372	ug/l	97
51) Ethyl methacrylate	9.17	69	57689	19.080	ug/l	96
52) 1,3-Dichloropropane	9.36	76	62592	19.275	ug/l	99
53) Dibromochloromethane	9.57	129	37715	18.132	ug/l	97
54) 1,2-Dibromoethane	9.67	107	38477	18.662	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	127896	104.134	ug/l	99
56) Bromoform	10.85	173	26343	17.852	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	233665	91.291	ug/l	99
59) 2-Hexanone	9.48	43	177679	88.575	ug/l	100
61) Tetrachloroethene	9.33	164	39401	19.566	ug/l	98
62) Toluene	8.78	91	156272	19.058	ug/l	99
64) Chlorobenzene	10.14	112	98929	18.816	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	37145	18.860	ug/l	97
66) Ethyl Benzene	10.25	91	179235	18.991	ug/l	99
67) m/p-Xylenes	10.36	106	135276	37.714	ug/l	98
68) o-Xylene	10.70	106	64787	18.921	ug/l	97
69) Styrene	10.71	104	110610	18.771	ug/l	99
70) Isopropylbenzene	11.01	105	177400	18.881	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	53117	18.449	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	44096m	17.634	ug/l	
73) Bromobenzene	11.25	156	41433	18.375	ug/l	99
74) n-propylbenzene	11.35	91	201939	19.582	ug/l	99
75) 2-Chlorotoluene	11.42	91	122347	18.960	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	147984	18.762	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	16427	16.919	ug/l	95
78) 4-Chlorotoluene	11.51	91	138013	18.718	ug/l	99
79) tert-butylbenzene	11.76	119	140692	18.525	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	150554	19.108	ug/l	98
81) sec-Butylbenzene	11.94	105	166971	18.455	ug/l	99
82) p-Isopropyltoluene	12.06	119	159695	19.305	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	77171	18.741	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	77437	19.015	ug/l	97
85) n-Butylbenzene	12.39	91	130107	18.516	ug/l	96
86) Hexachloroethane	12.59	117	25625	17.748	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	74806	18.727	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	11647	16.417	ug/l	92
89) 1,2,4-Trichlorobenzene	13.64	180	49131	19.777	ug/l	95
90) Hexachlorobutadiene	13.78	225	24374	19.324	ug/l	97
91) Naphthalene	13.83	128	146452	18.123	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	47158	18.528	ug/l	97

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QLast Update : Tue Oct 22 01:53:07 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

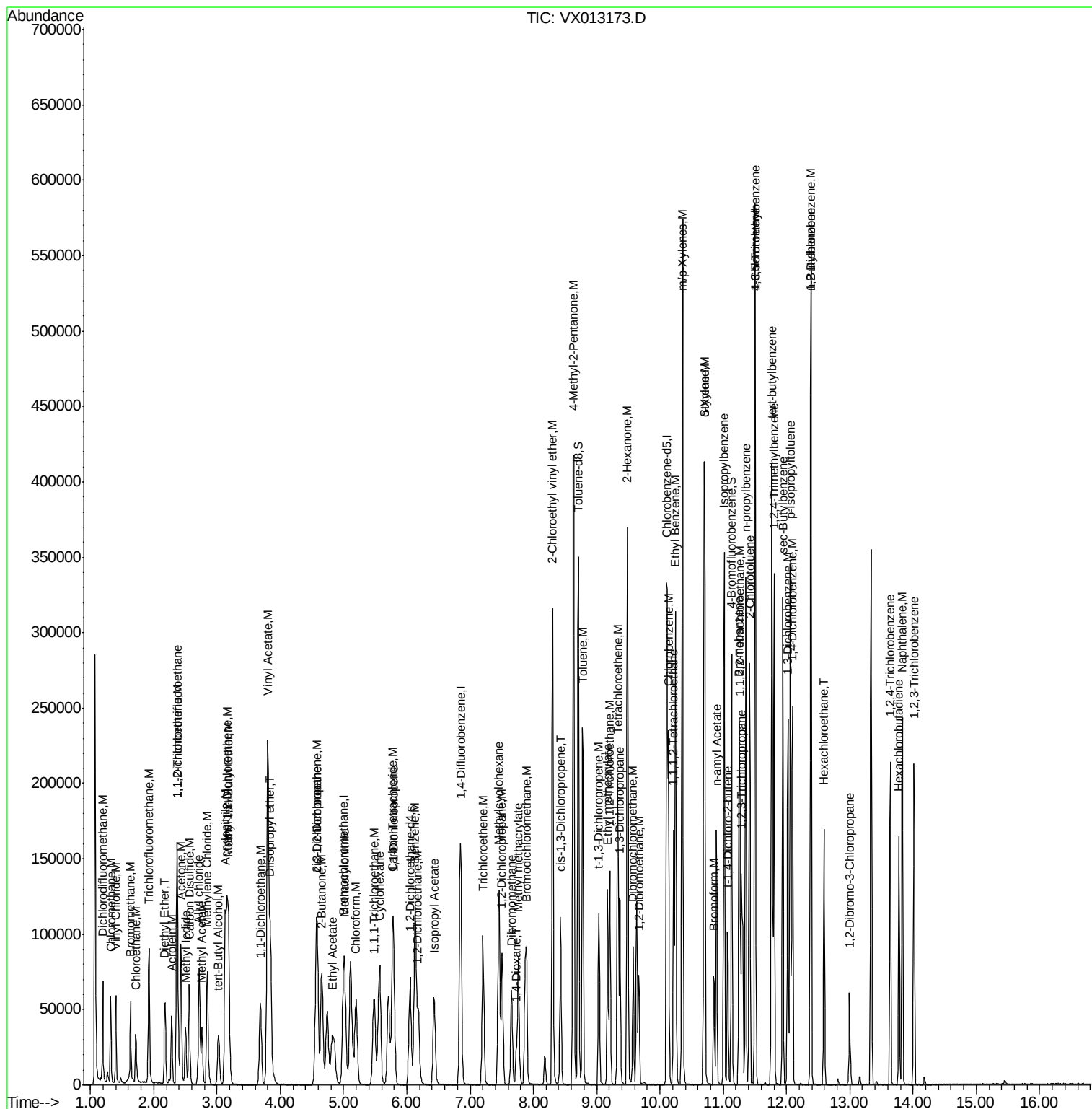
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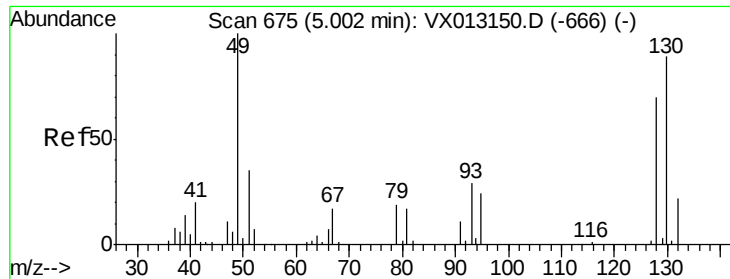
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

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Quant Time: Oct 23 07:52:49 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

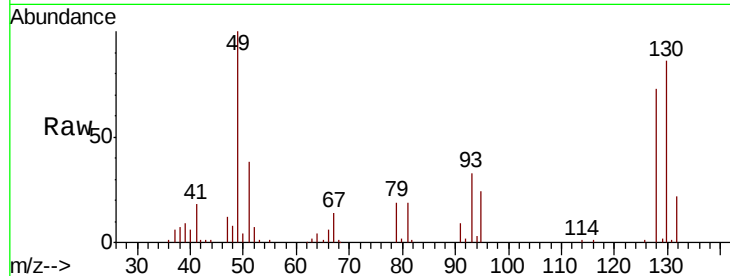
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	29377
Ion	Ratio	Lower	Upper
128	100		
49	143.5	0.0	367.3
130	131.7	0.0	325.0

Manual Integrations
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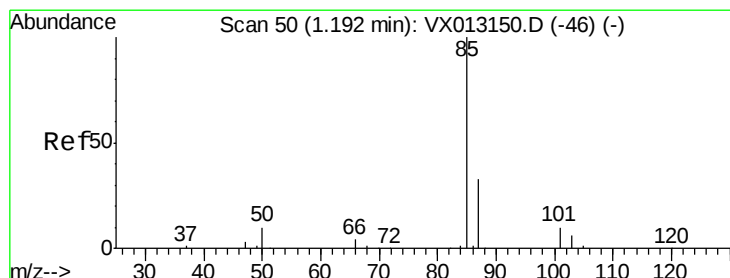
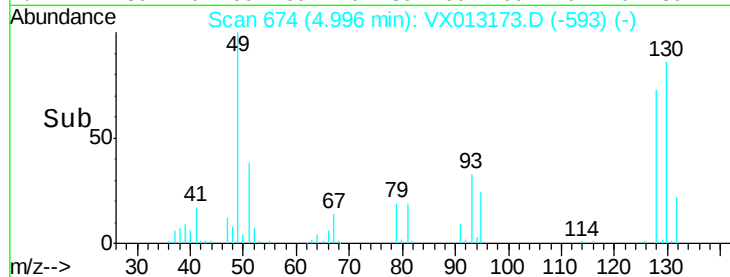
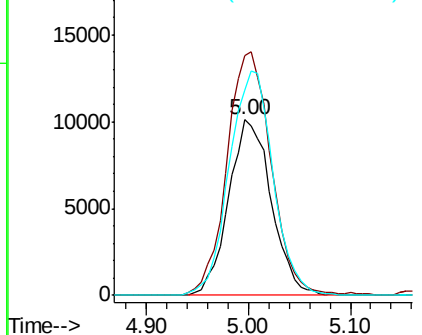
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.545 ug/l

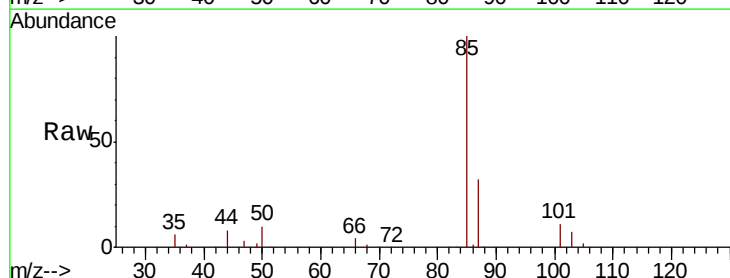
RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX013173.D

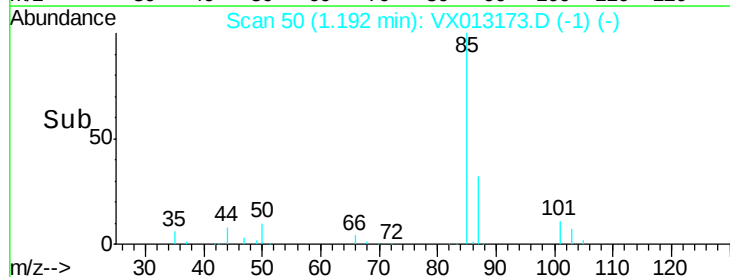
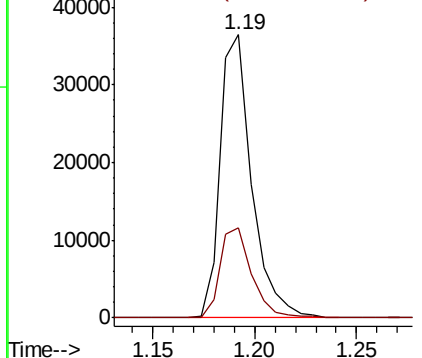
Acq: 22 Oct 2019 13:30

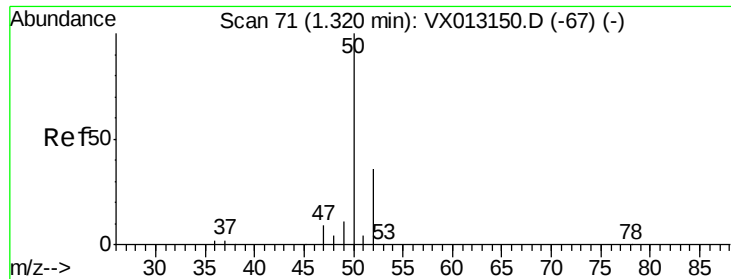
Tgt Ion:	85	Resp:	39114
Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.6	49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.019 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 33133

Ion Ratio Lower Upper

50 100

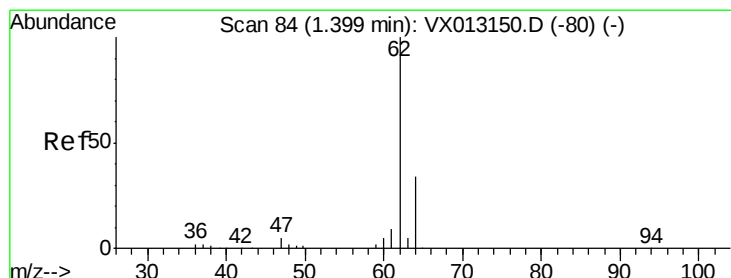
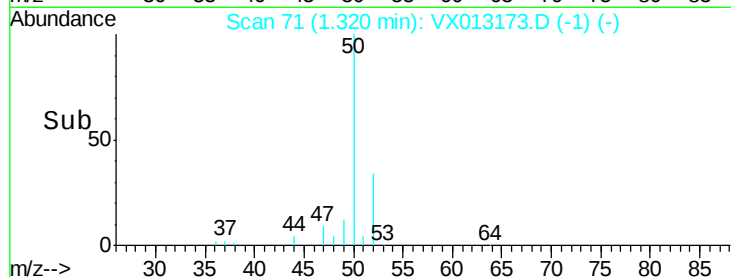
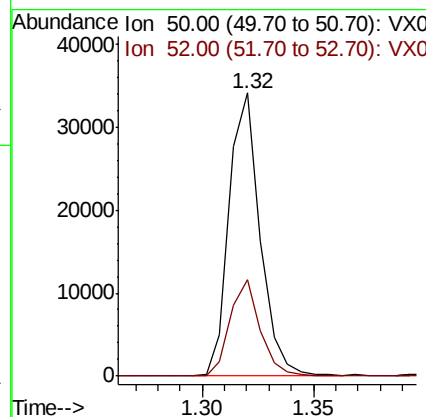
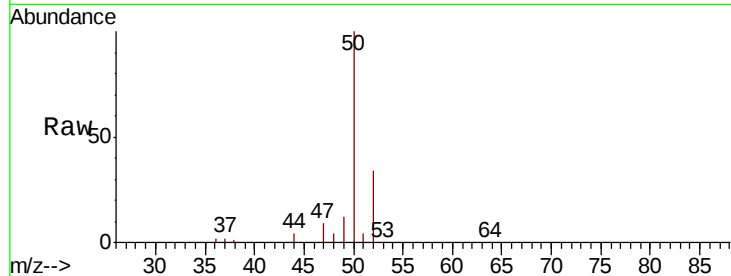
52 34.1 28.6 42.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.926 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013173.D

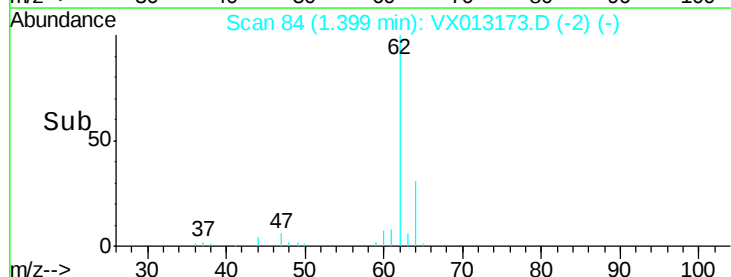
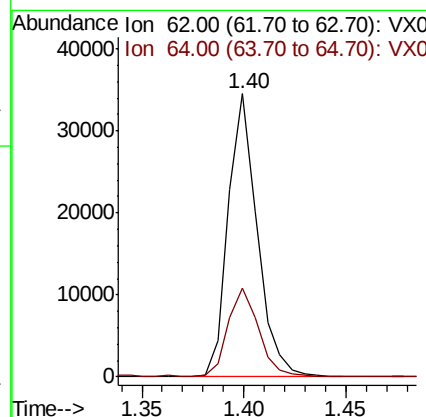
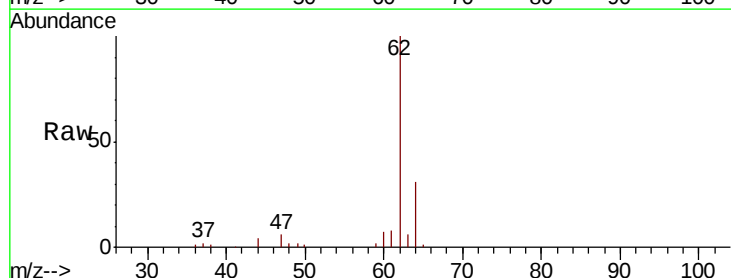
Acq: 22 Oct 2019 13:30

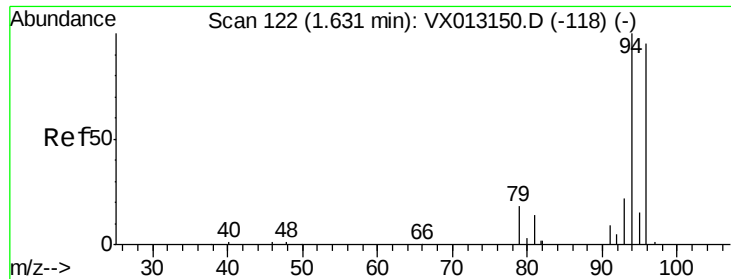
Tgt Ion: 62 Resp: 34079

Ion Ratio Lower Upper

62 100

64 31.5 27.3 40.9





#5

Bromomethane

Concen: 21.832 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 94 Resp: 22397

Ion Ratio Lower Upper

94 100

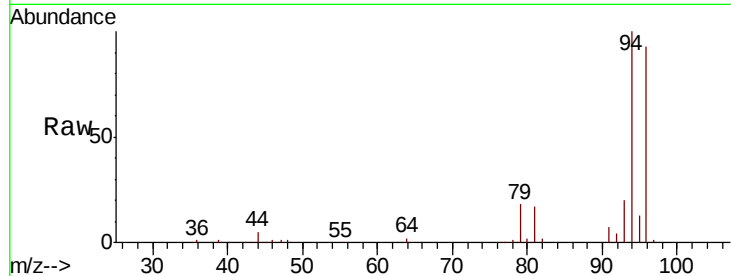
96 92.7 75.9 113.9

Manual Integrations

APPROVED

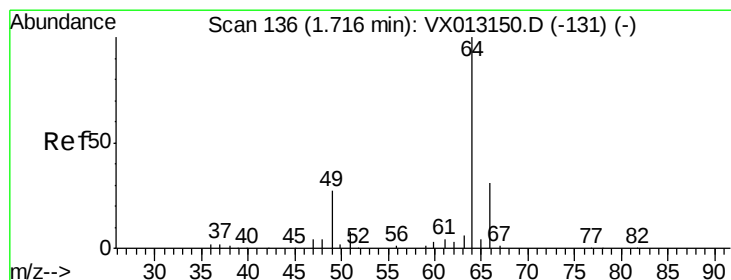
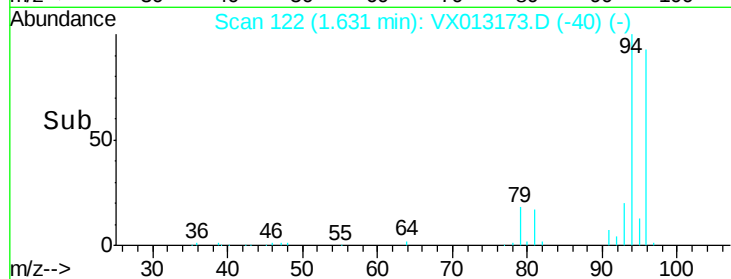
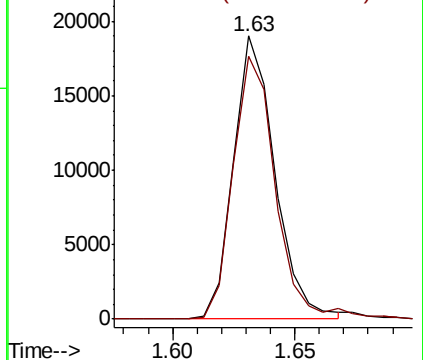
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.151 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX013173.D

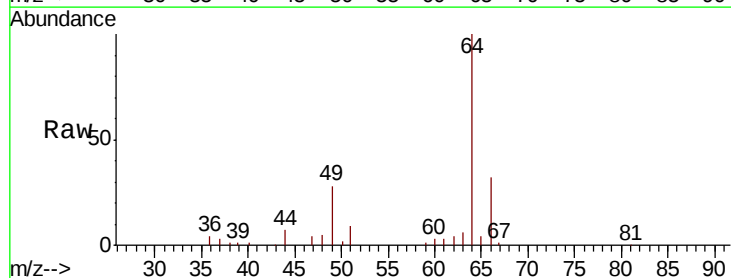
Acq: 22 Oct 2019 13:30

Tgt Ion: 64 Resp: 20807

Ion Ratio Lower Upper

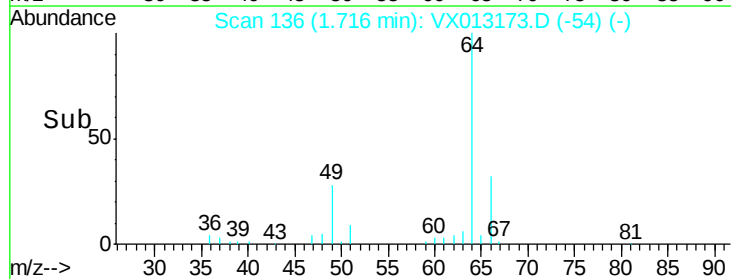
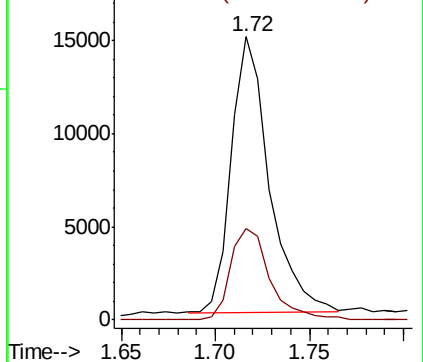
64 100

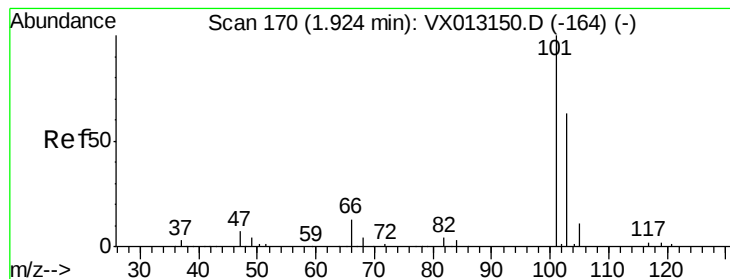
66 33.2 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

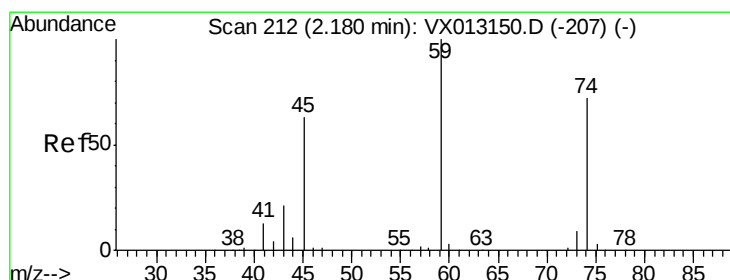
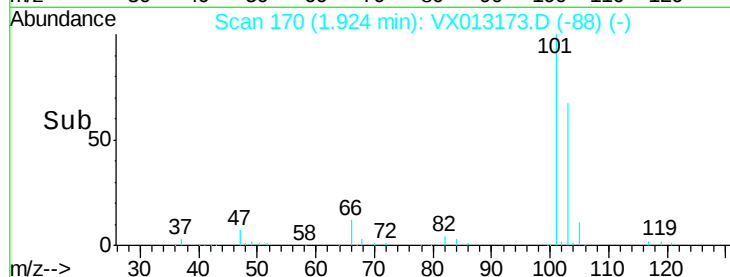
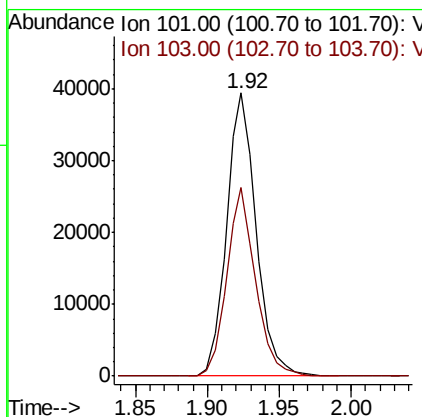
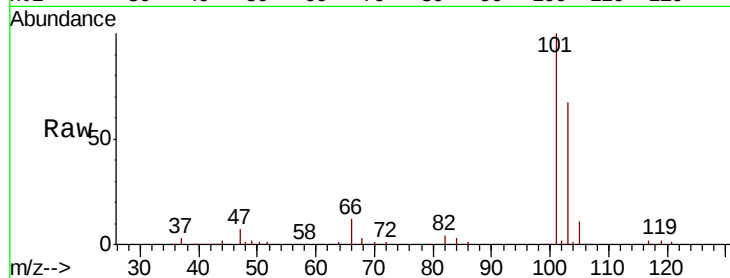
Trichlorofluoromethane
Concen: 18.547 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
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Tot Ion:101 Resp: 56663
Ion Ratio Lower Upper
101 100
103 66.8 50.2 75.4

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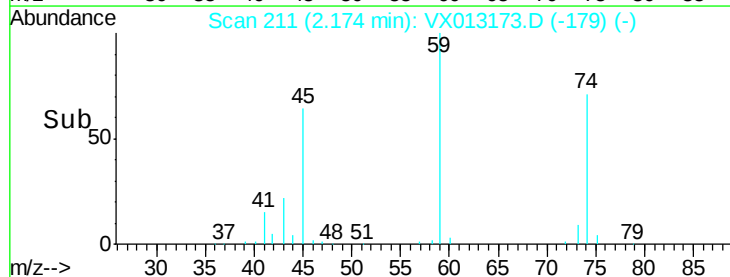
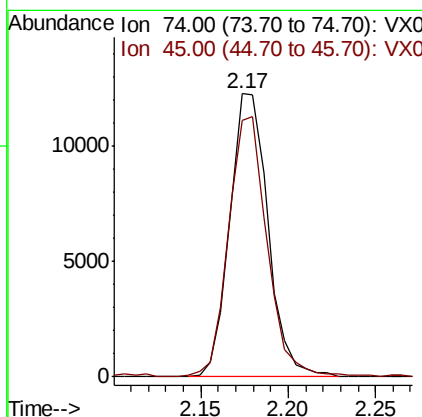
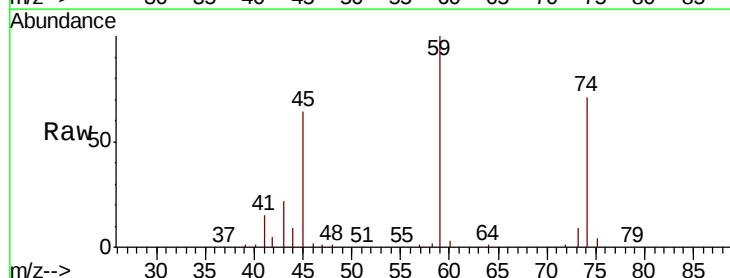
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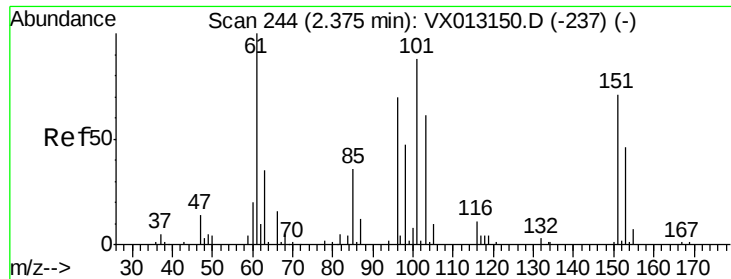


#8

Diethyl Ether
Concen: 17.941 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion: 74 Resp: 18708
Ion Ratio Lower Upper
74 100
45 92.7 18.4 165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.538 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

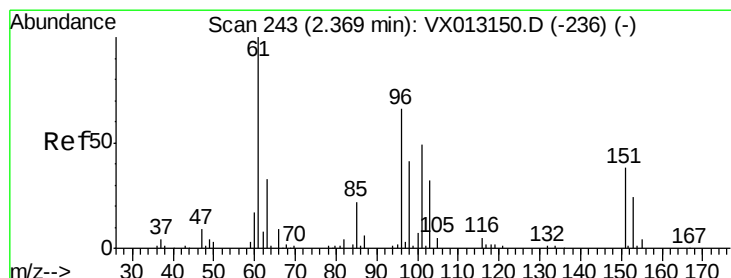
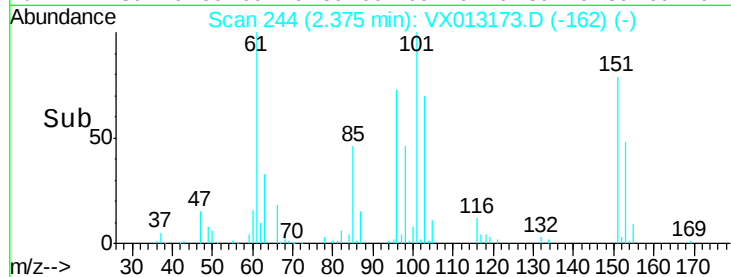
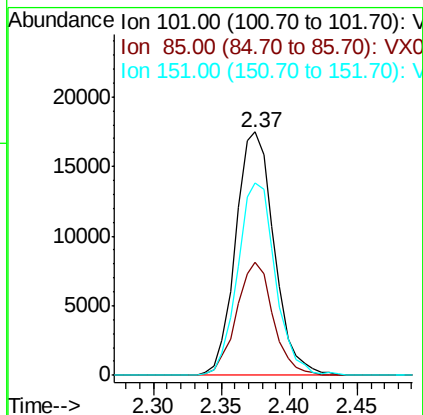
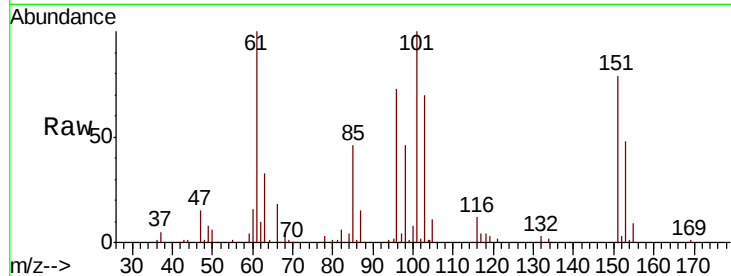
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.1	0.0	87.2
151	77.3	0.0	163.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.256 ug/l

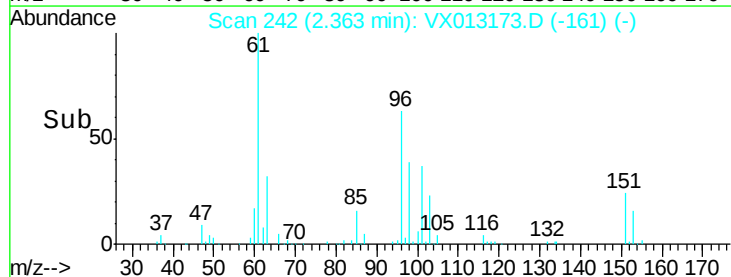
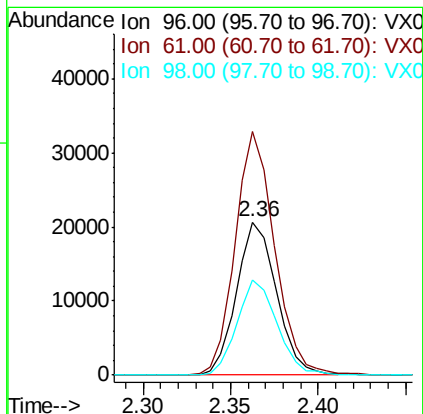
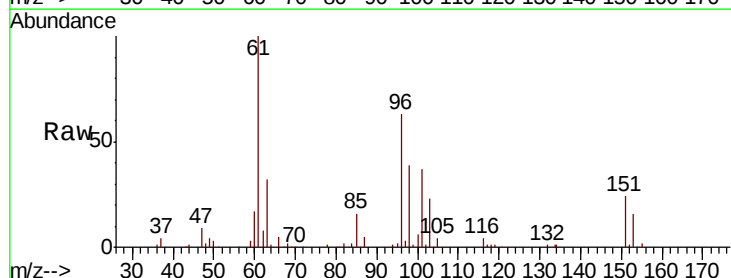
RT: 2.36 min Scan# 242

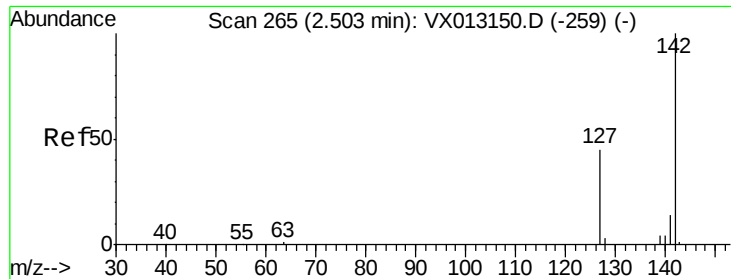
Delta R.T. -0.01 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.2	121.3	181.9
98	62.5	49.5	74.3





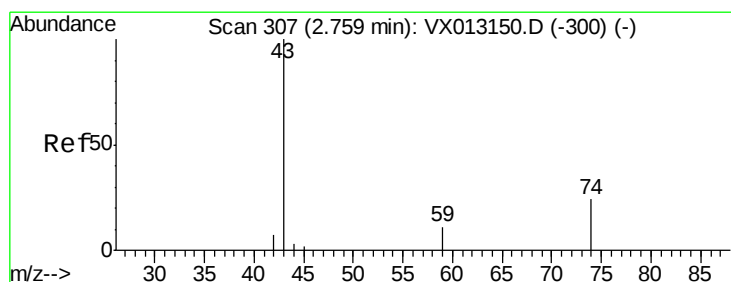
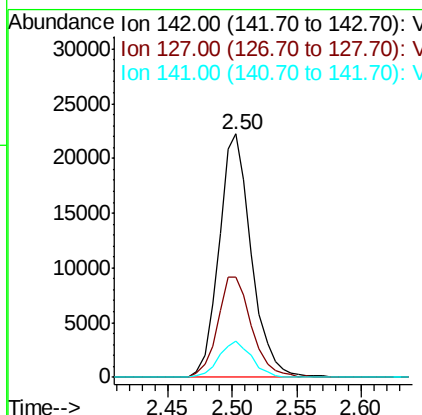
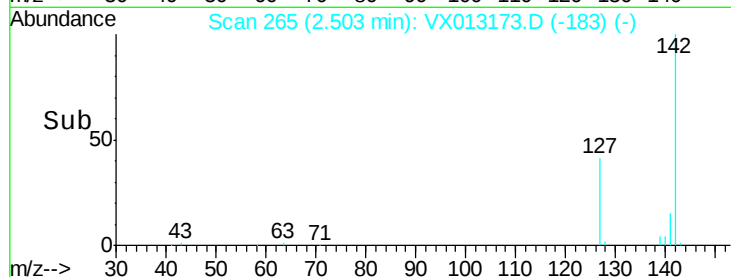
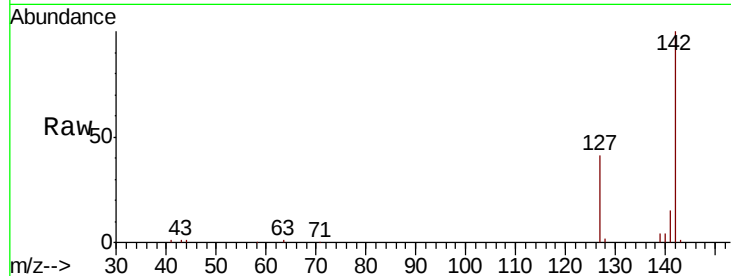
#11
Methyl Iodide
Concen: 16.882 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.3	22.3	66.9
141	15.1	7.1	21.3

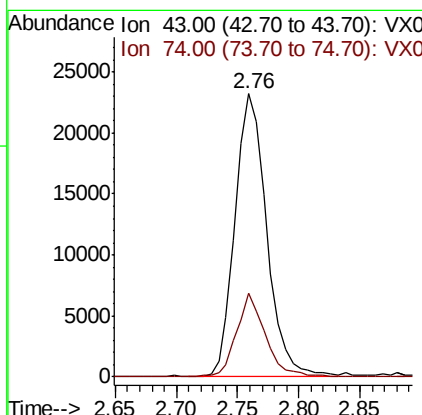
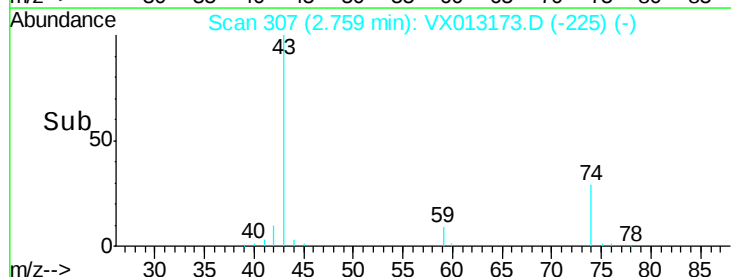
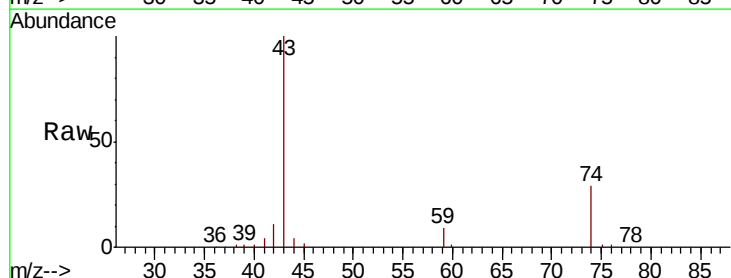
Manual Integrations
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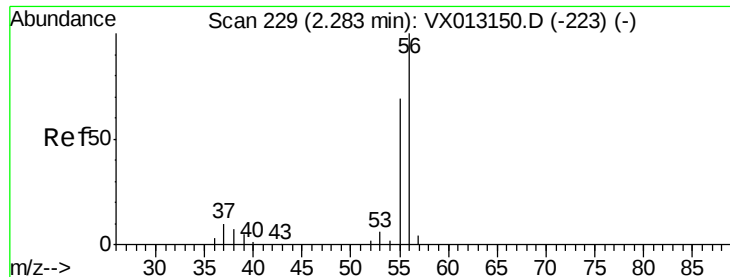
MMDadoda
10/23/2019 3:10:33 PM



#12
Methyl Acetate
Concen: 17.981 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.3	19.7	29.5





#13

Acrolein

Concen: 89.442 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 30985

Ion Ratio Lower Upper

56 100

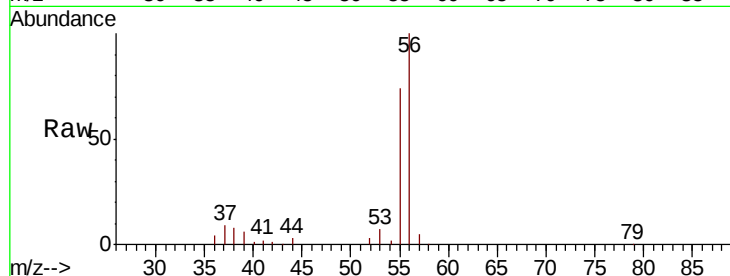
55 69.8 55.8 83.8

Manual Integrations

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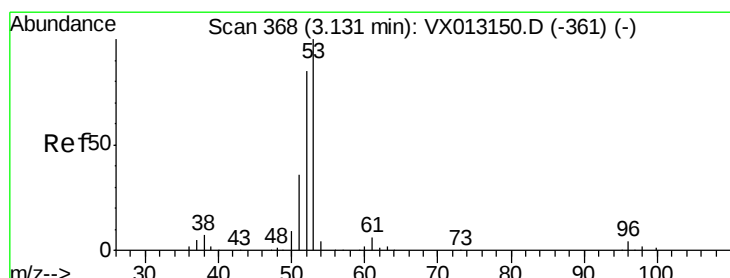
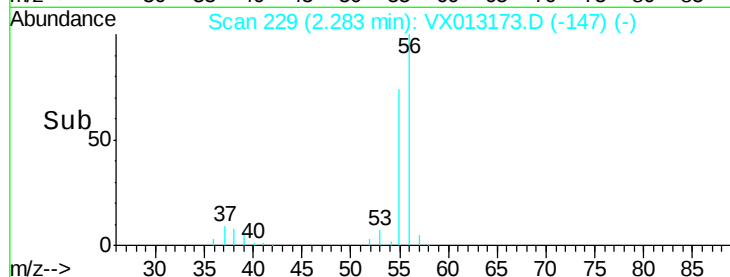
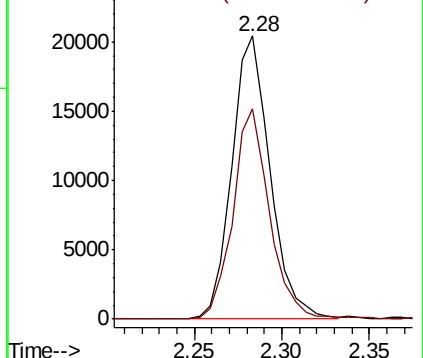
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 88.087 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

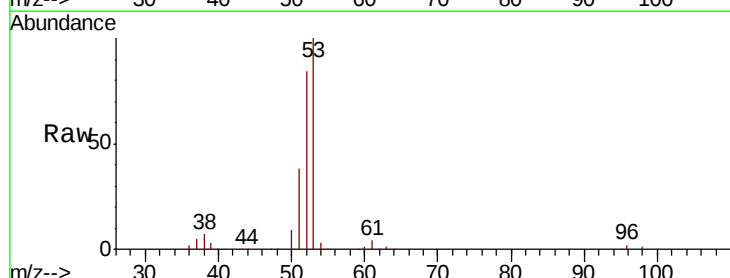
Tgt Ion: 53 Resp: 85731

Ion Ratio Lower Upper

53 100

52 81.7 42.0 126.0

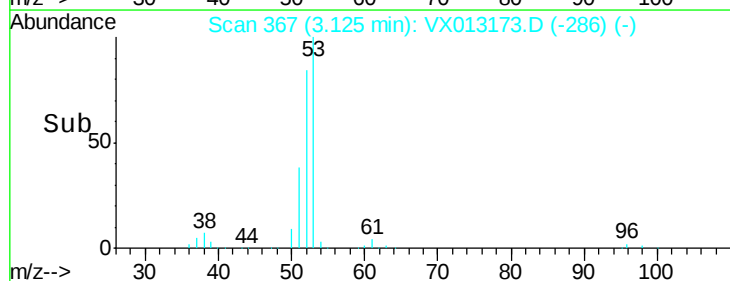
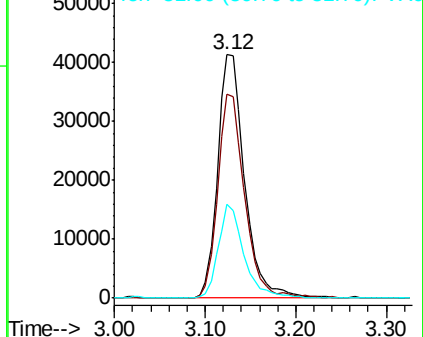
51 36.8 18.6 56.0

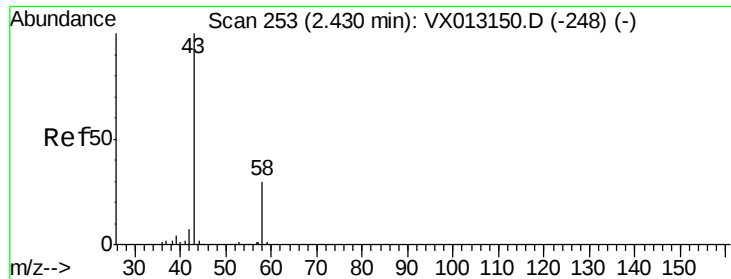


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 93.394 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 29947

Ion Ratio Lower Upper

58 100

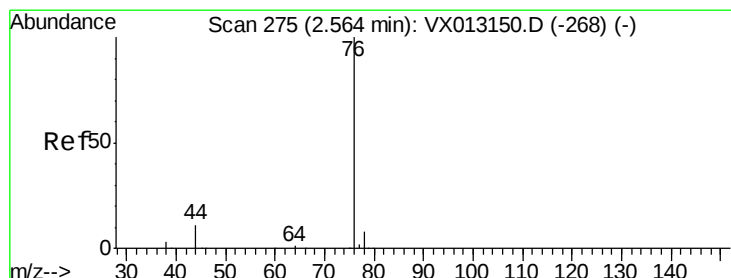
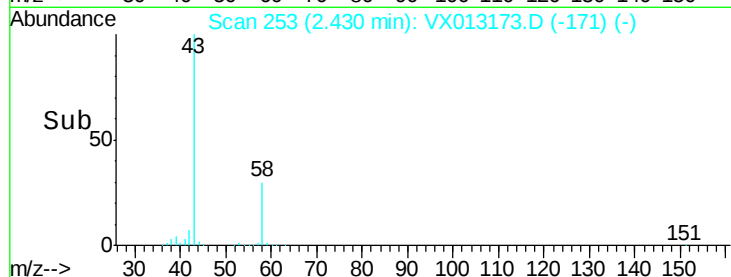
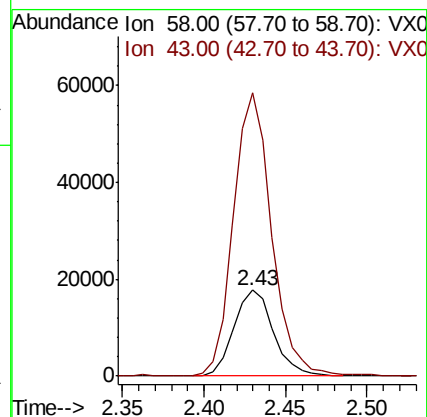
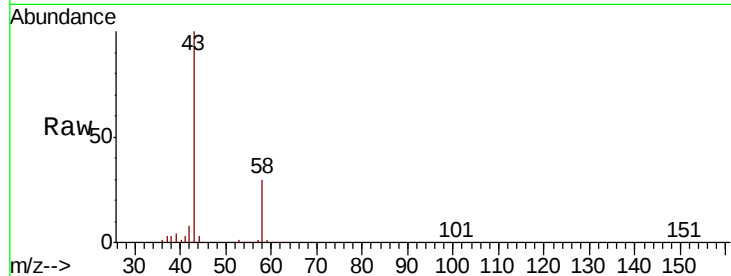
43 329.5 262.8 394.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 17.492 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013173.D

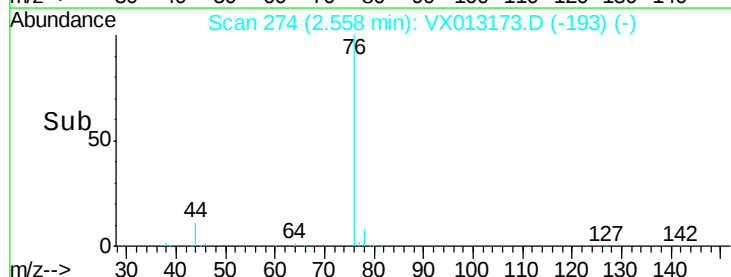
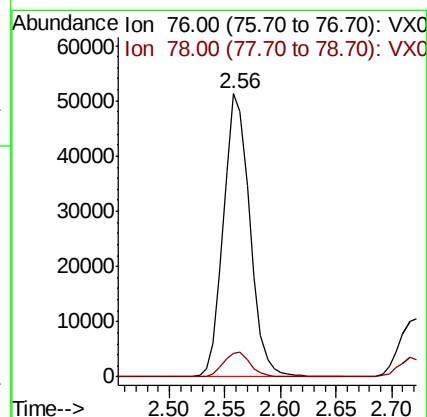
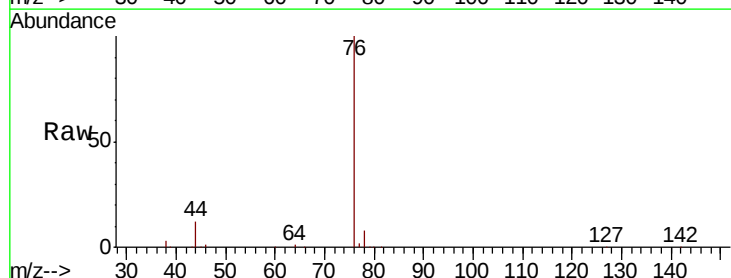
Acq: 22 Oct 2019 13:30

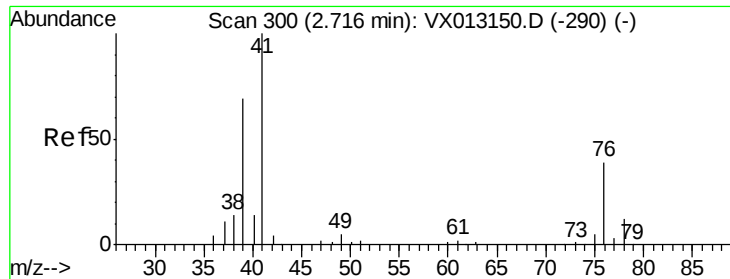
Tgt Ion: 76 Resp: 84181

Ion Ratio Lower Upper

76 100

78 8.4 6.6 10.0





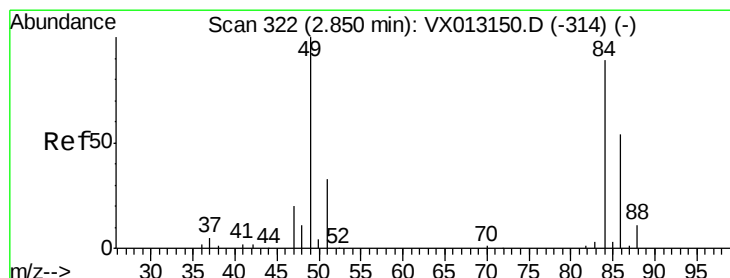
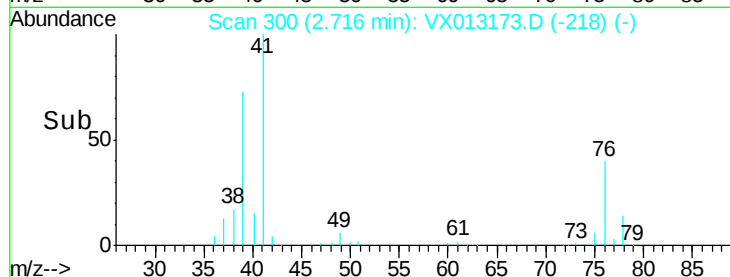
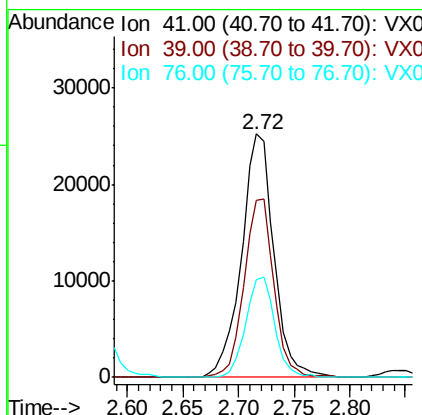
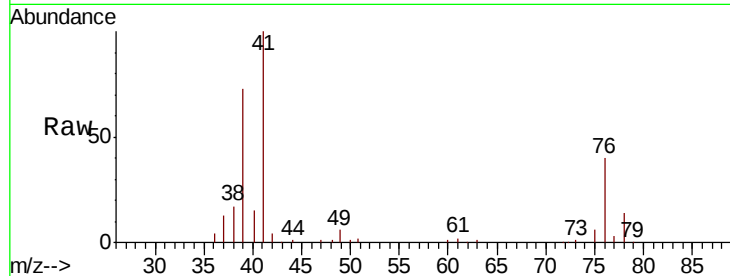
#17
Allvl chloride
Concen: 17.816 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.0	34.7	104.1
76	40.1	19.7	59.0

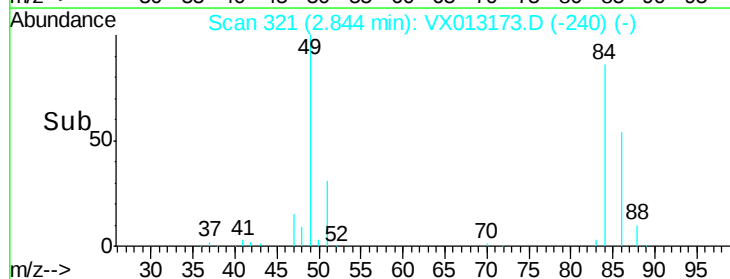
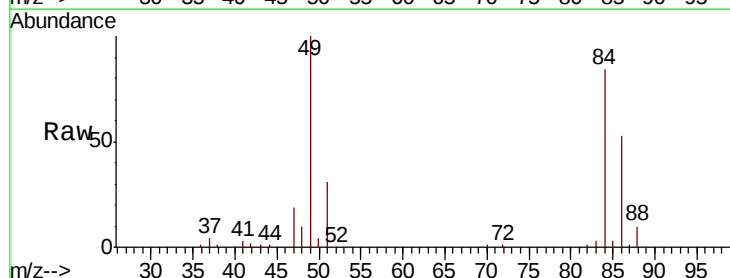
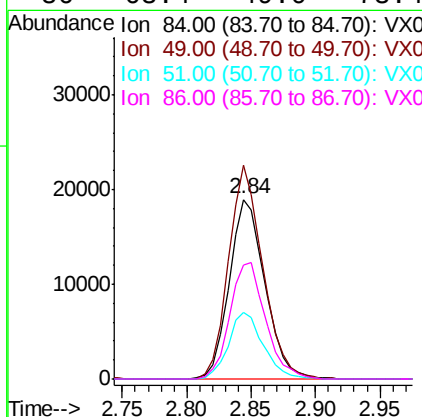
Manual Integrations
APPROVED

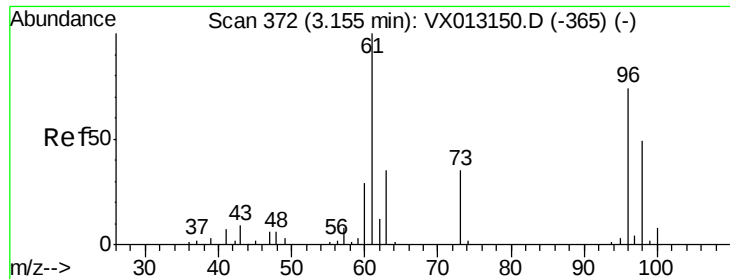
MMDadoda
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#18
Methylene Chloride
Concen: 17.547 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.9	90.3	135.5
51	36.8	29.9	44.9
86	63.4	49.0	73.4





#19

trans-1,2-Dichloroethene

Concen: 18.732 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 96 Resp: 35823

Ion Ratio Lower Upper

96 100

61 129.6 108.6 162.8

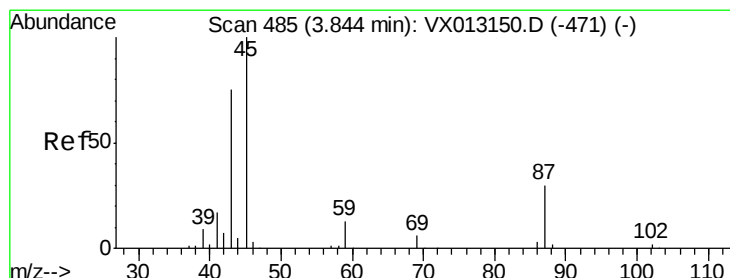
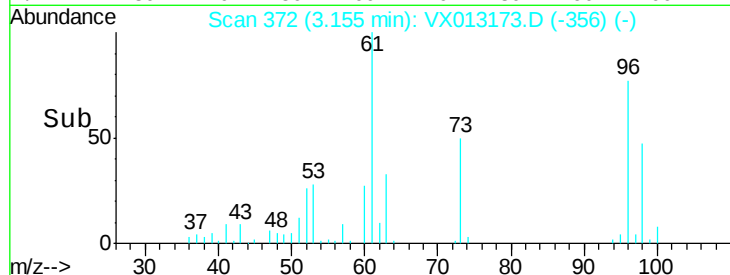
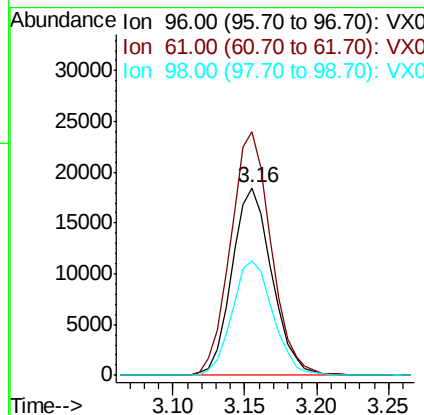
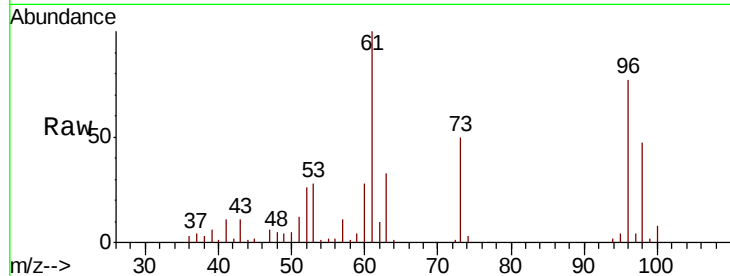
98 60.9 53.4 80.0

Manual Integrations

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#20

Diisopropyl ether

Concen: 18.432 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Tgt Ion: 45 Resp: 102197

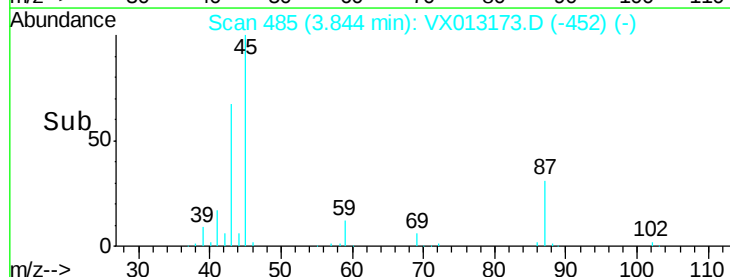
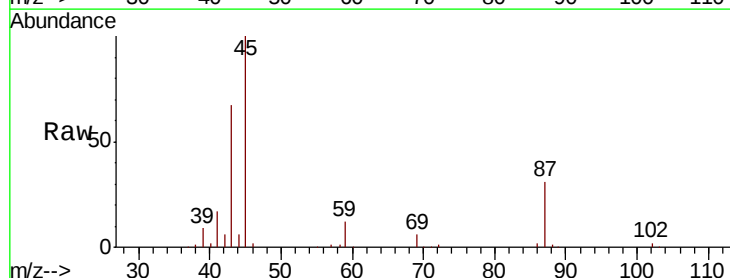
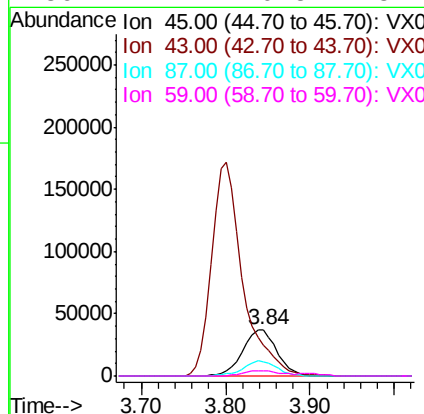
Ion Ratio Lower Upper

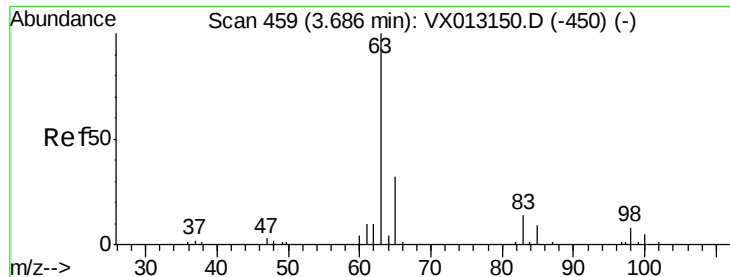
45 100

43 66.0 60.6 91.0

87 30.8 24.2 36.2

59 12.4 10.5 15.7





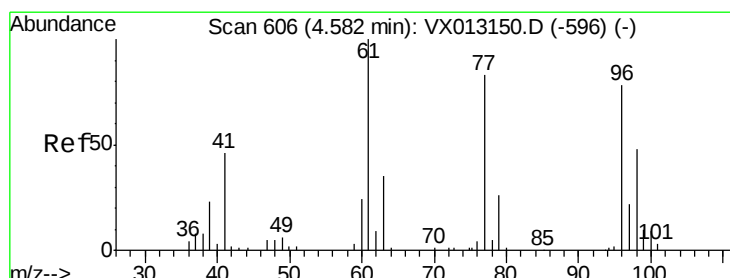
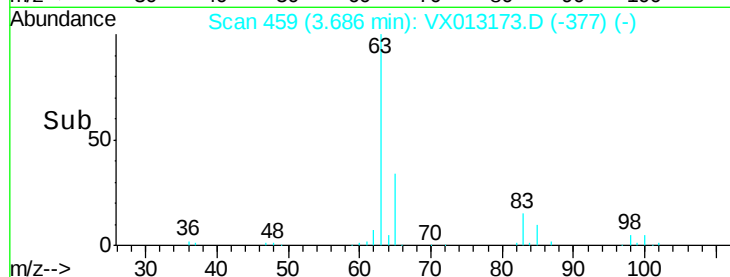
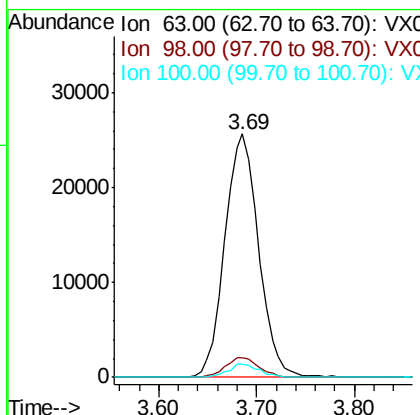
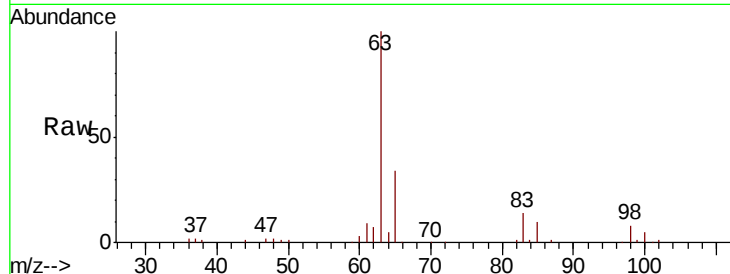
#21
1,1-Dichloroethane
Concen: 18.287 ug/l
RT: 3.69 min Scan# 459
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	8.2	4.2	12.4
100	5.3	2.4	7.2

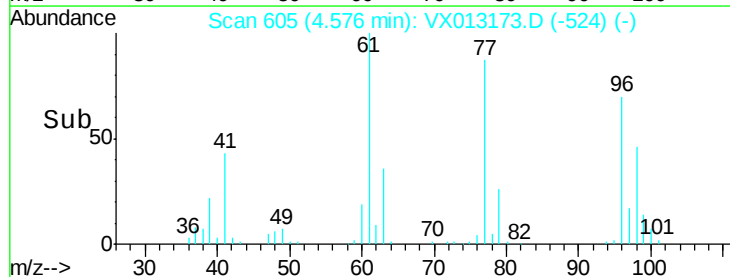
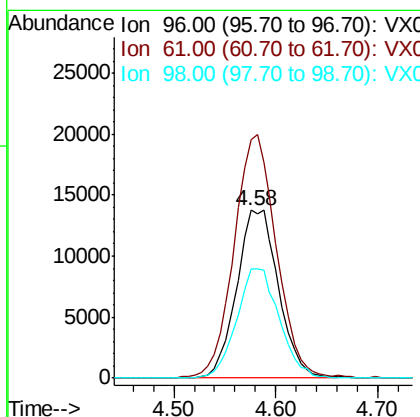
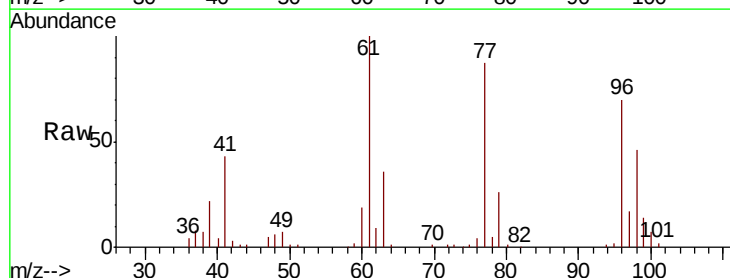
Manual Integrations
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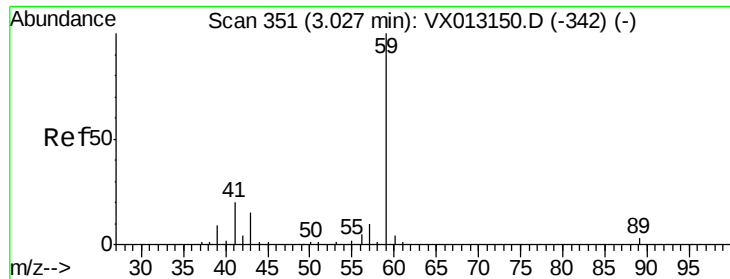
MMDadoda
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#22
cis-1,2-Dichloroethene
Concen: 18.012 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.4	112.5	168.7
98	66.2	51.2	76.8





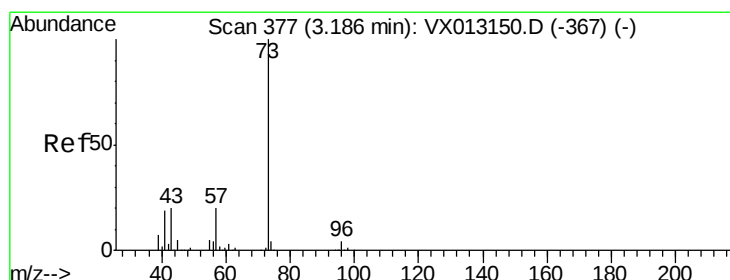
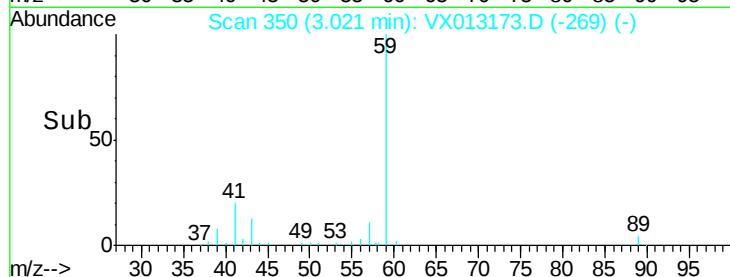
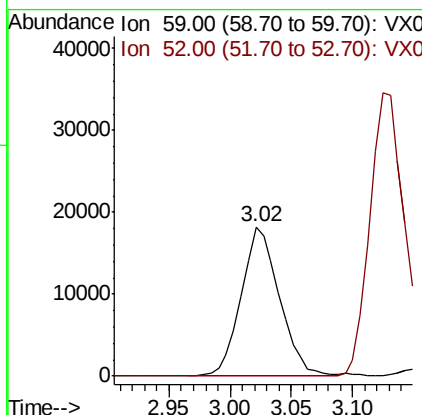
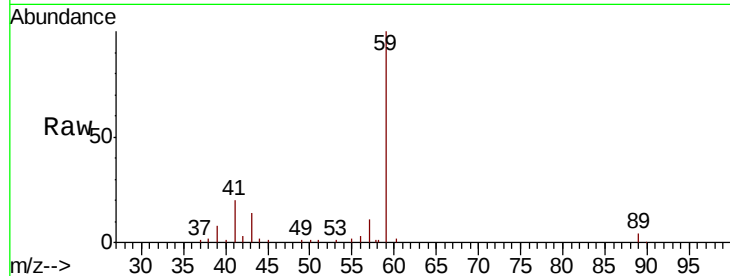
#23
 tert-Butyl Alcohol
 Concen: 77.414 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

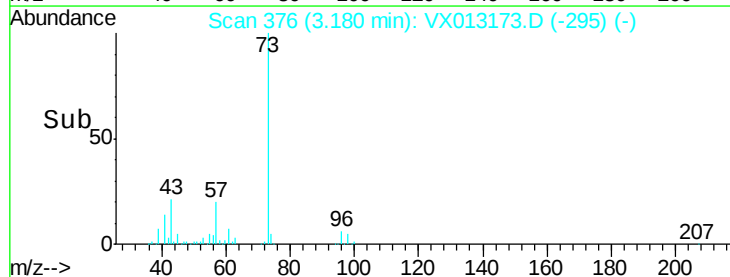
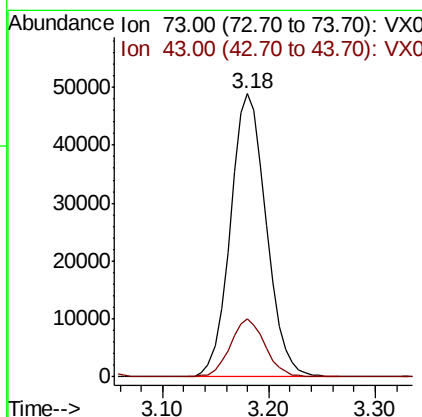
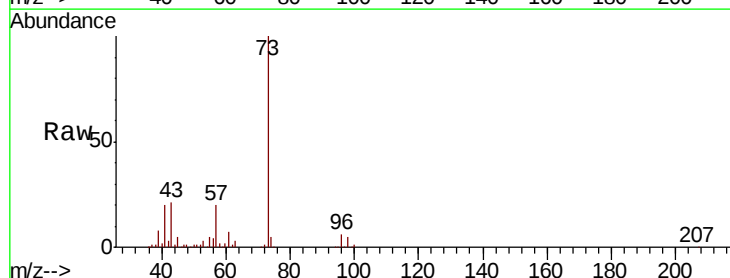
Manual Integrations
 APPROVED

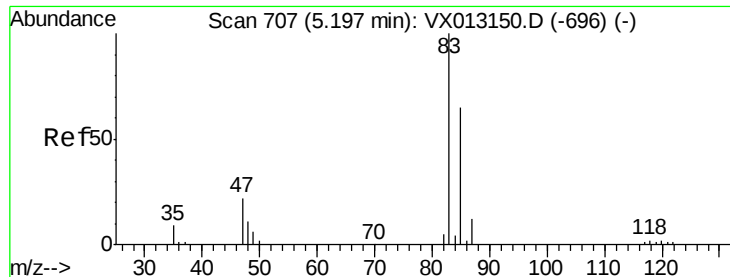
MMDadoda
 10/23/2019 3:10:33 PM



#24
 Methyl tert-Butyl Ether
 Concen: 18.573 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.0	17.1	25.7





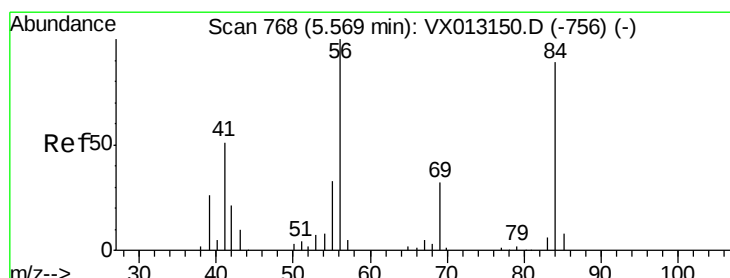
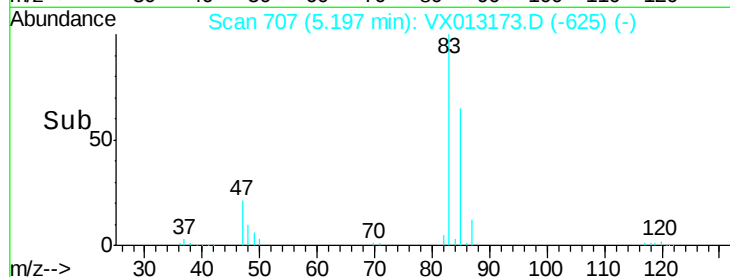
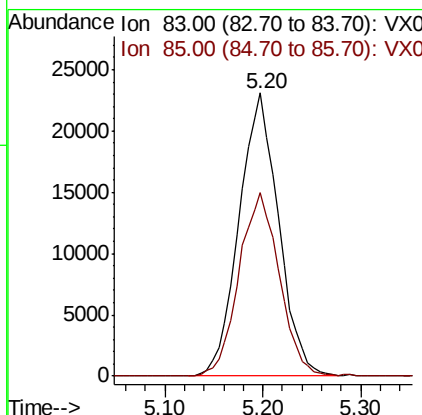
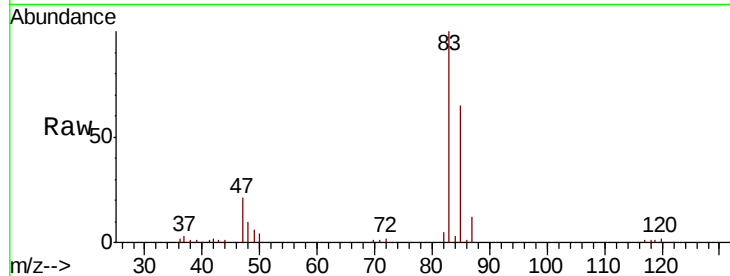
#25
Chloroform
Concen: 18.385 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 65039
Ion Ratio Lower Upper
83 100
85 65.0 52.0 78.0

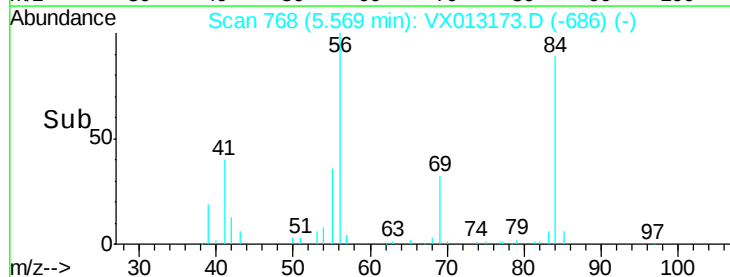
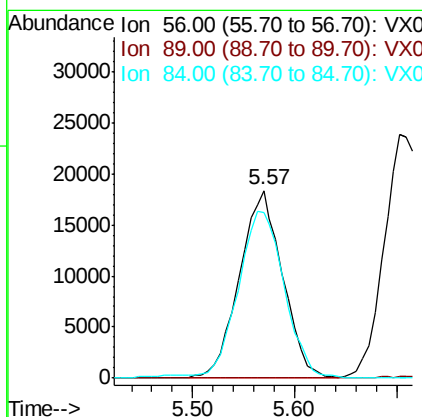
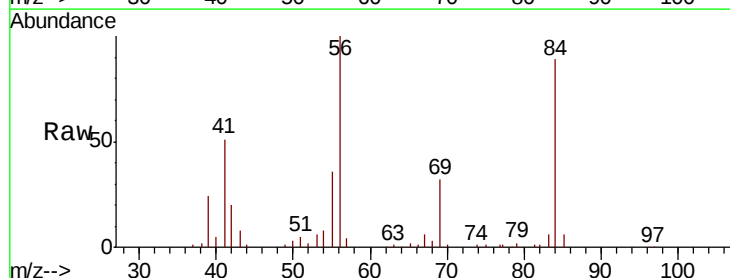
Manual Integrations
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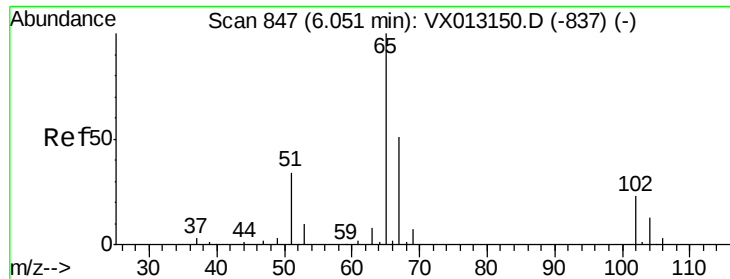
MMDadoda
10/23/2019 3:10:33 PM



#26
Cyclohexane
Concen: 18.200 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion: 56 Resp: 53760
Ion Ratio Lower Upper
56 100
89 0.3 0.2 0.2#
84 94.9 74.0 111.0





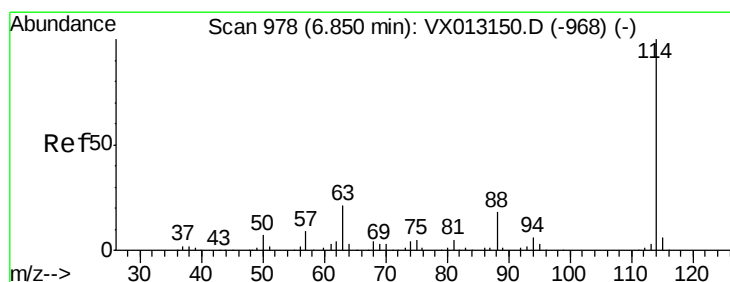
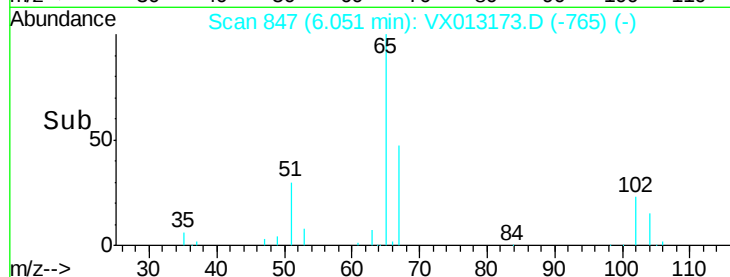
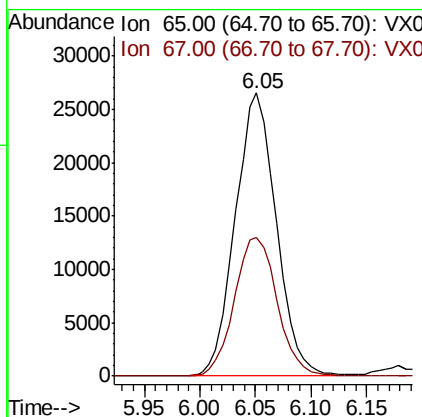
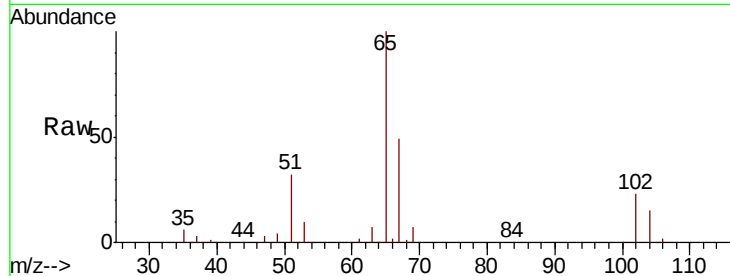
#27
 1,2-Dichloroethane-d4
 Concen: 29.386 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 67959
 Ion Ratio Lower Upper
 65 100
 67 51.2 42.2 63.4

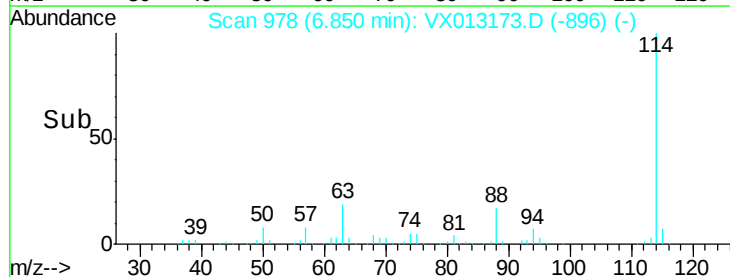
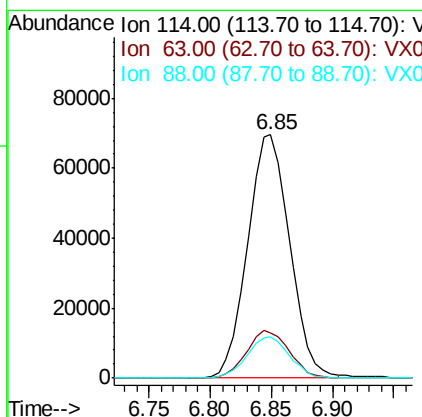
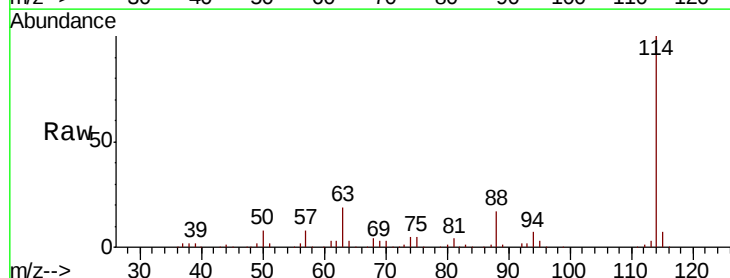
Manual Integrations
 APPROVED

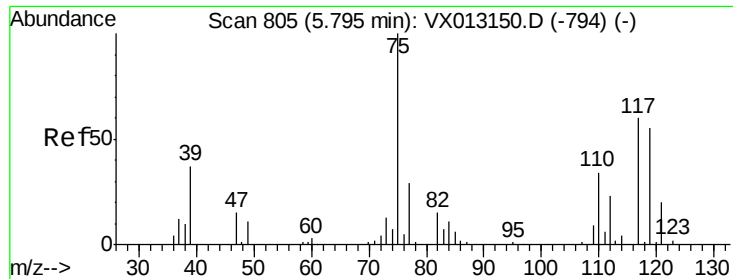
MMDadoda
 10/23/2019 3:10:33 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Tgt Ion: 114 Resp: 166526
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.1 24.1
 88 17.1 13.7 20.5





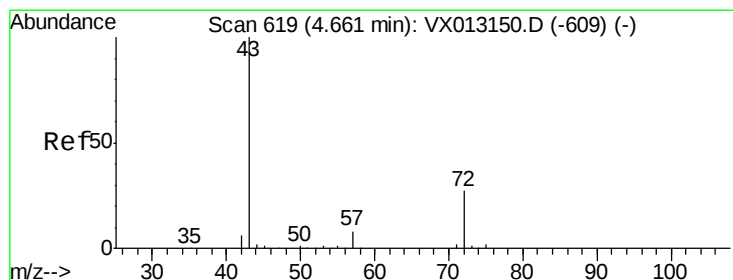
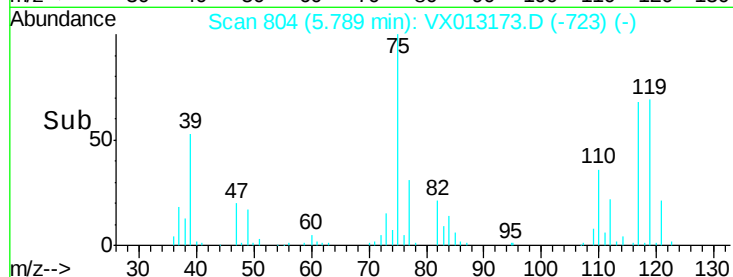
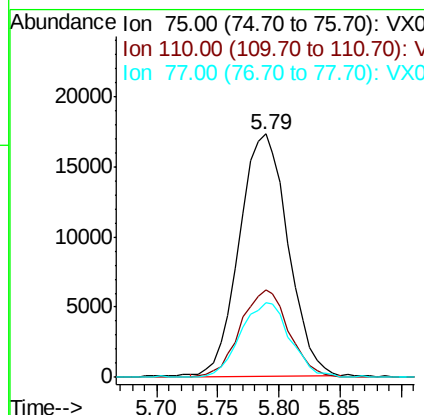
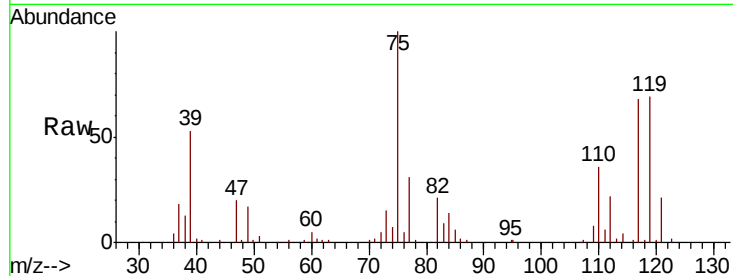
#29
 1,1-Dichloropropene
 Concen: 18.403 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.1	0.0	68.4
77	31.0	0.0	30.8

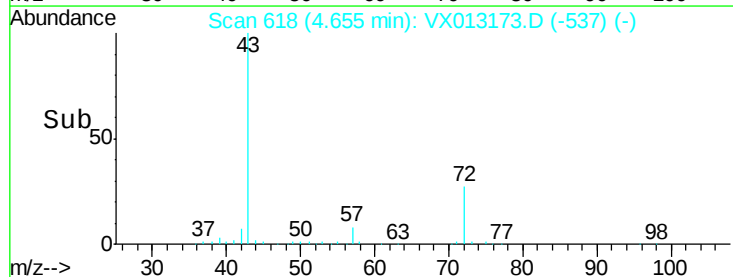
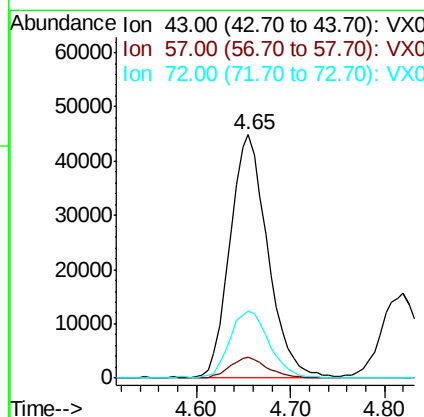
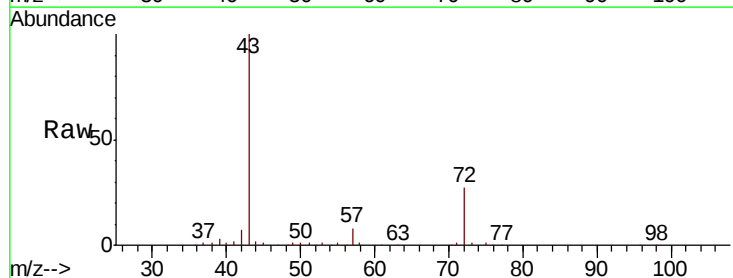
Manual Integrations
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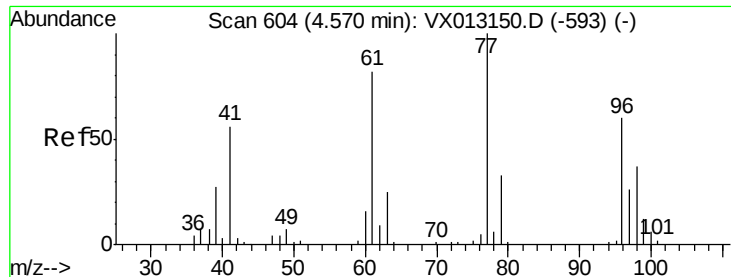
MMDadoda
 10/23/2019 3:10:33 PM



#30
 2-Butanone
 Concen: 91.180 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	7.0	10.6
72	29.2	23.4	35.2





#31

2,2-Dichloropropane

Concen: 19.126 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 57206

Ion Ratio Lower Upper

77 100

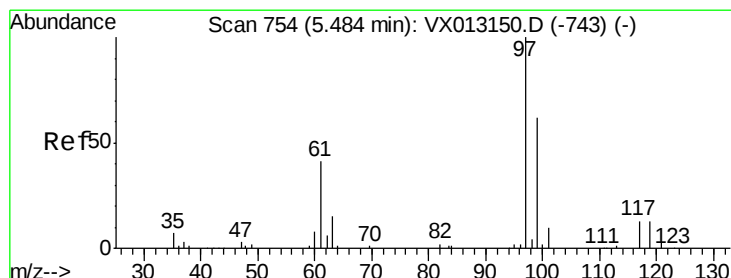
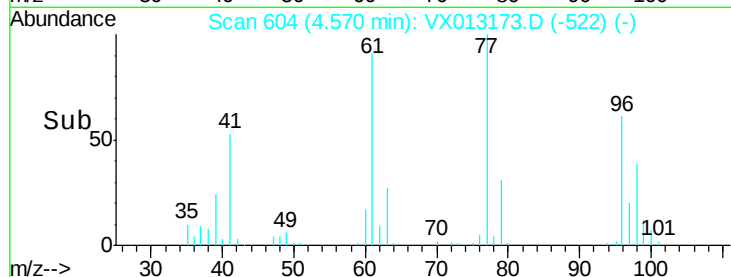
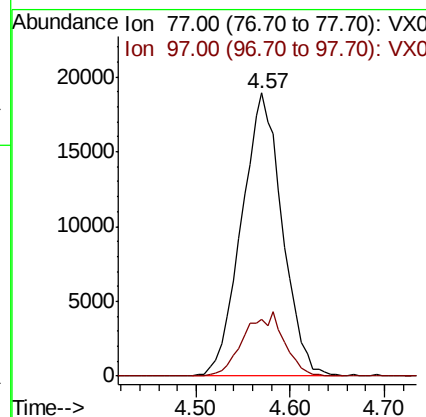
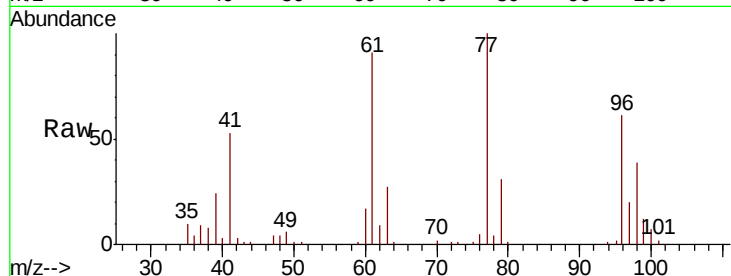
97 14.0 19.1 28.7#

Manual Integrations

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MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 18.858 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

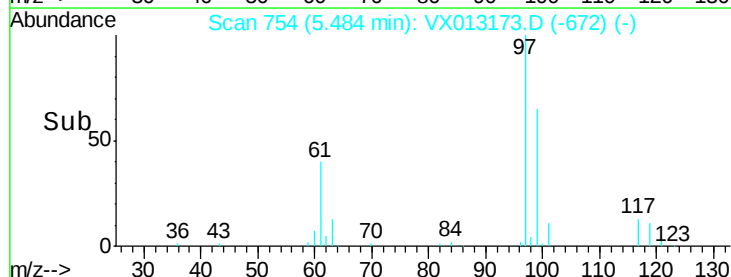
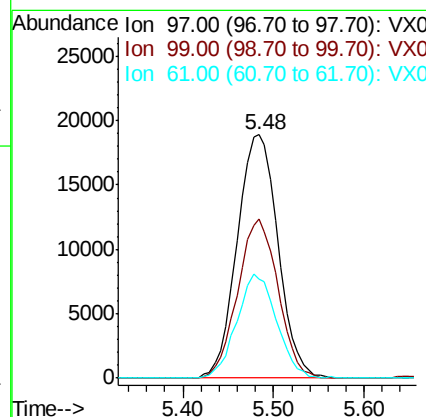
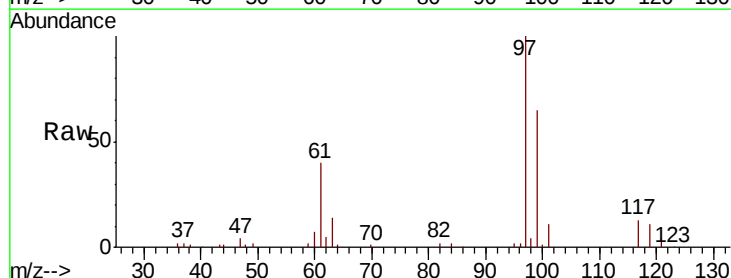
Tgt Ion: 97 Resp: 59034

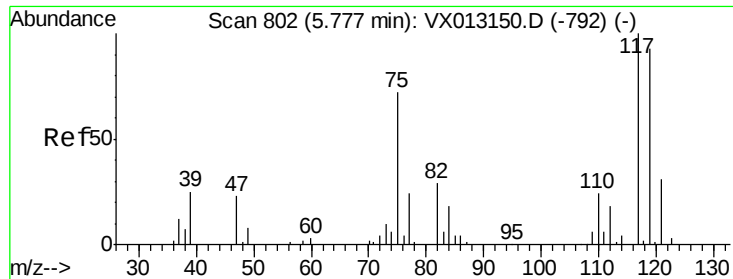
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.8

61 41.7 33.5 50.3





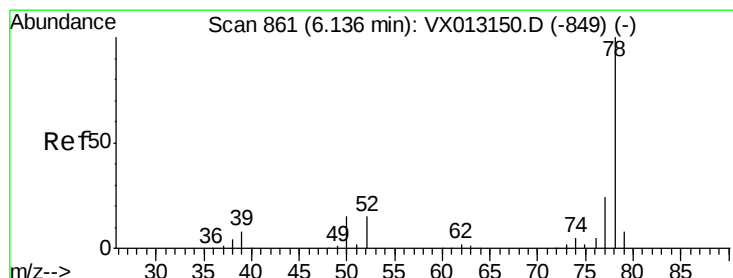
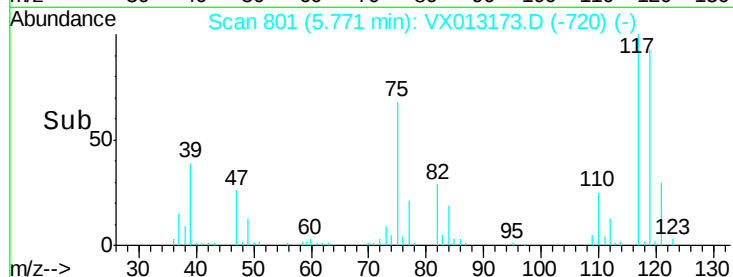
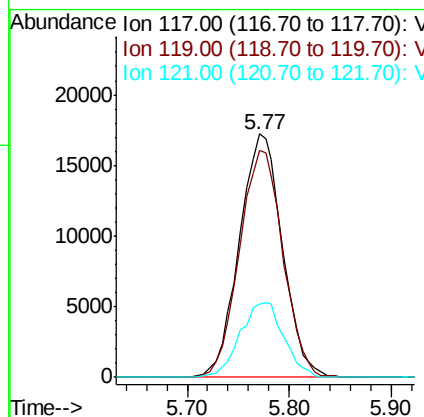
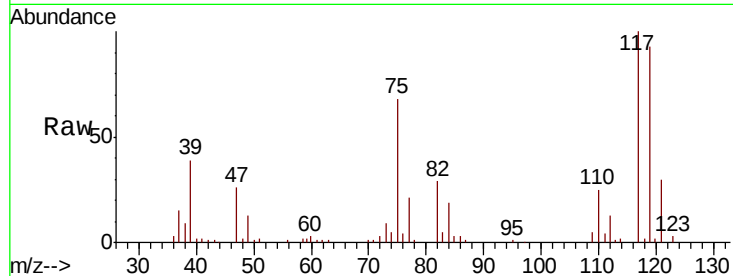
#33
Carbon Tetrachloride
Concen: 18.730 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.9	112.3
121	30.2	25.0	37.4

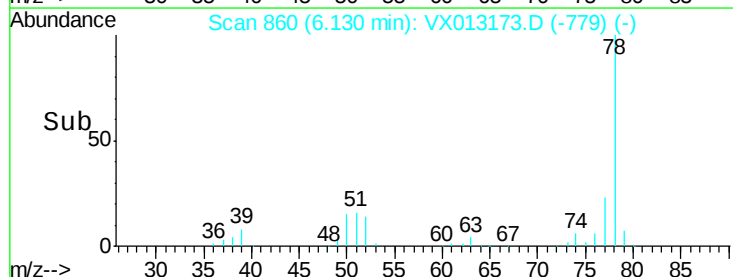
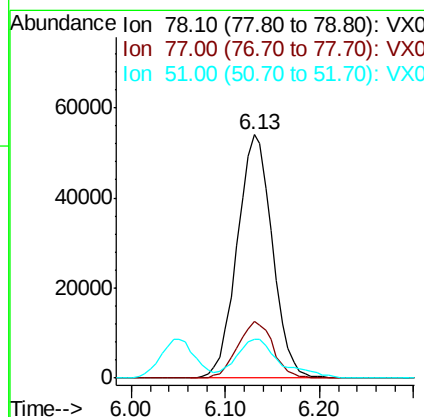
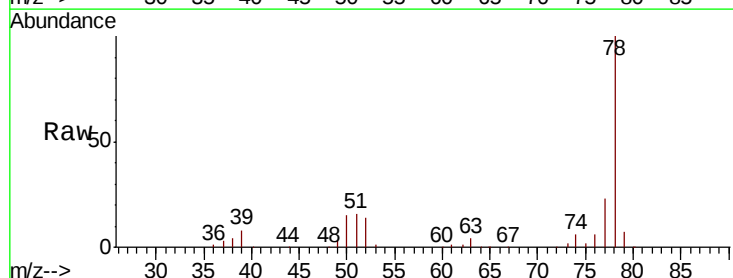
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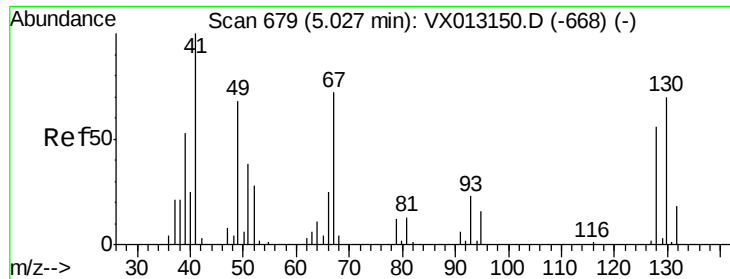
MMDadoda
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#34
Benzene
Concen: 18.901 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9
51	15.7	11.4	17.2





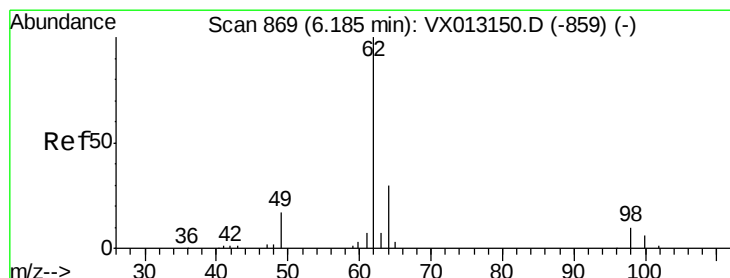
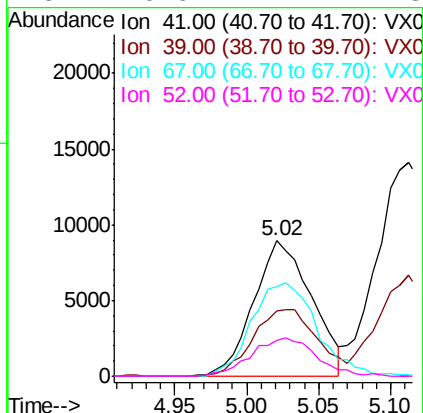
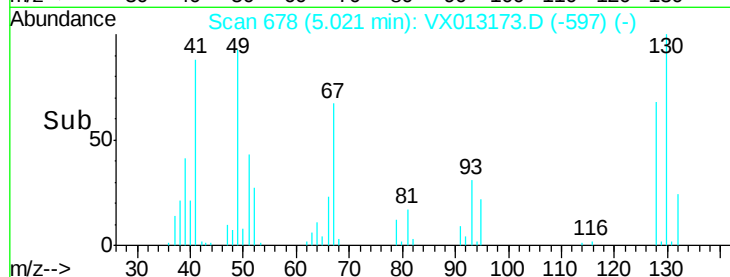
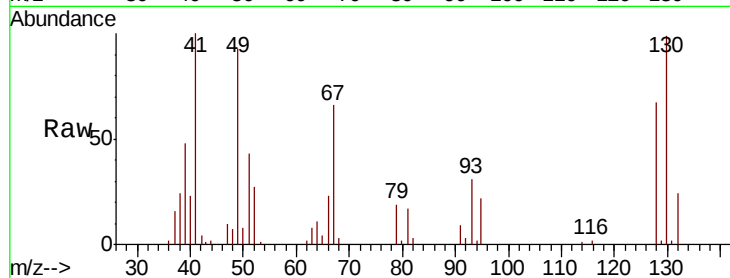
#35
Methacrylonitrile
Concen: 18.018 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	48.1	26.3	78.9	
67	66.3	35.8	107.4	
52	26.6	14.1	42.3	

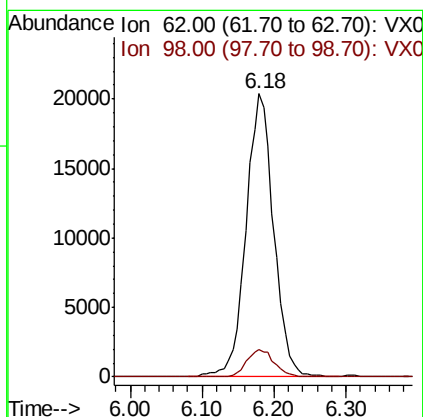
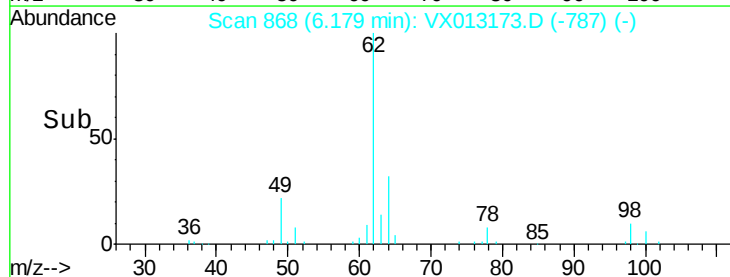
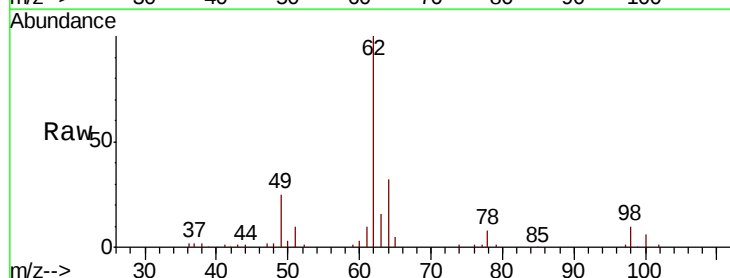
Manual Integrations
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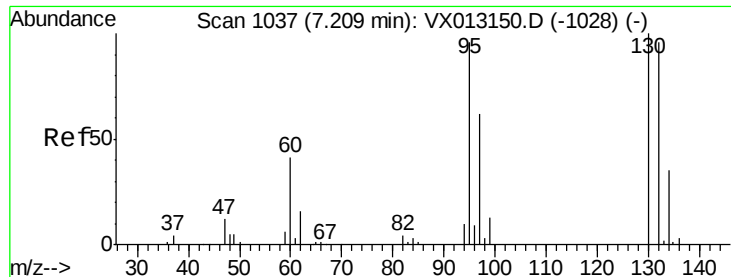
MMDadoda
10/23/2019 3:10:33 PM



#36
1,2-Dichloroethane
Concen: 19.265 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	8.0	12.0	





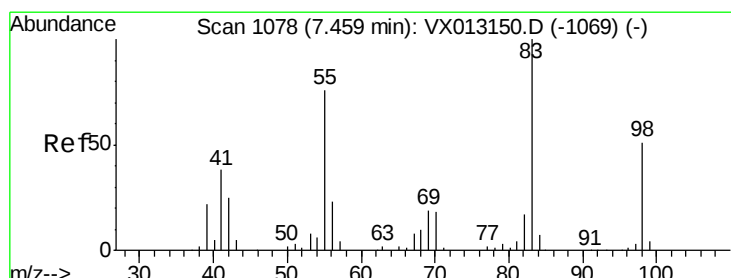
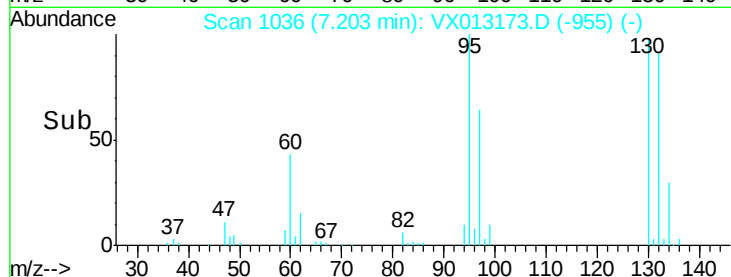
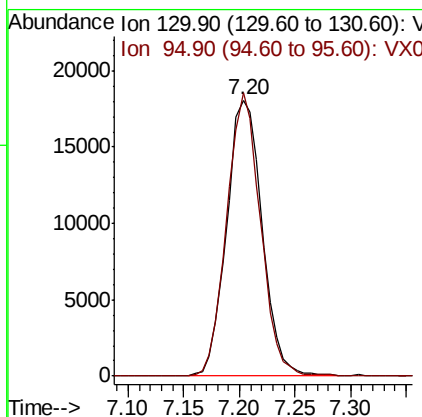
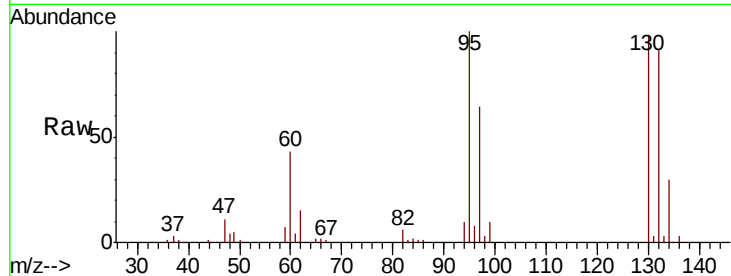
#37
 Trichloroethene
 Concen: 19.383 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 40040
 Ion Ratio Lower Upper
 130 100
 95 102.5 77.0 115.6

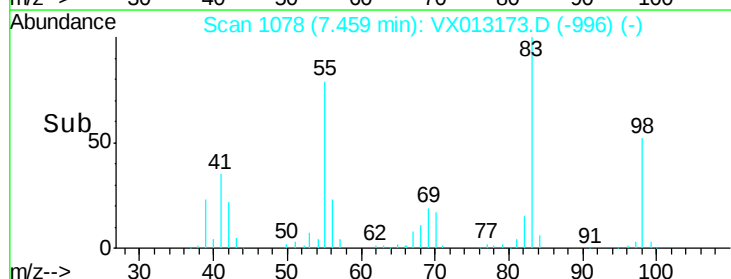
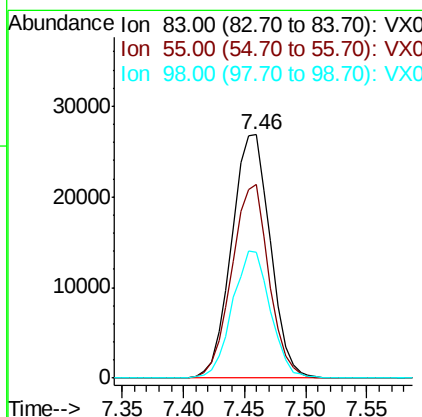
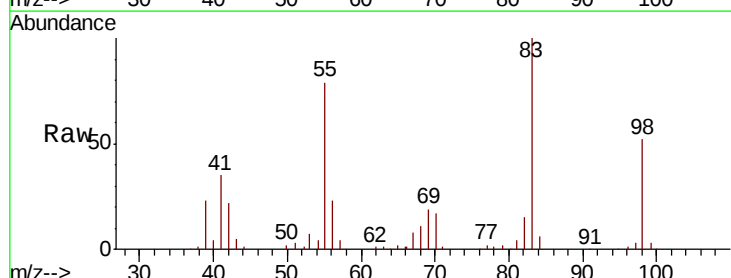
Manual Integrations
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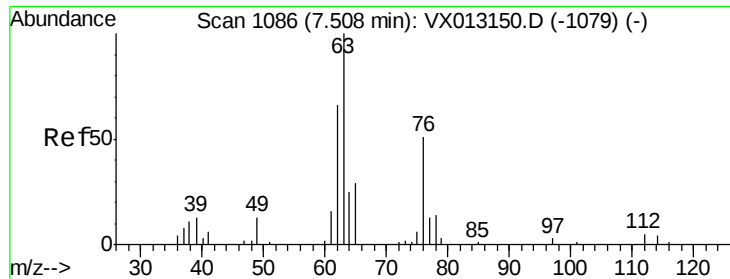
MMDadoda
 10/23/2019 3:10:33 PM



#38
 Methylcyclohexane
 Concen: 18.732 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Tgt Ion: 83 Resp: 59098
 Ion Ratio Lower Upper
 83 100
 55 76.1 37.5 112.5
 98 51.0 25.4 76.0





#39

1,2-Dichloropropane

Concen: 18.842 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 34443

Ion Ratio Lower Upper

63 100

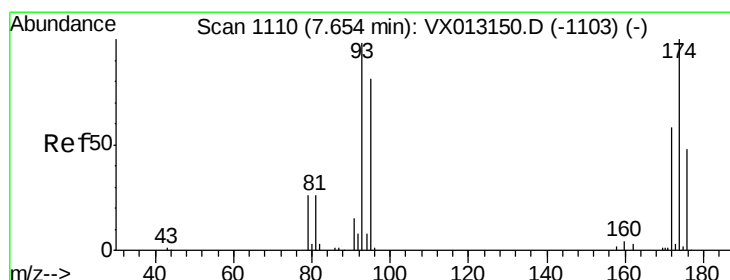
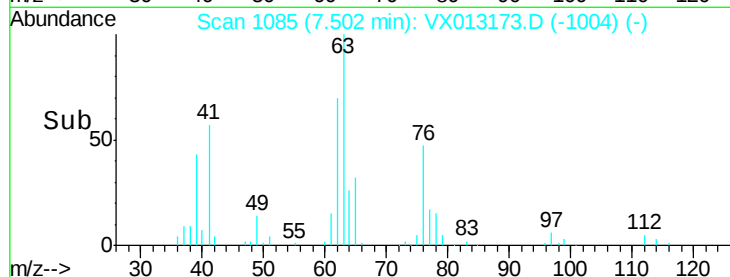
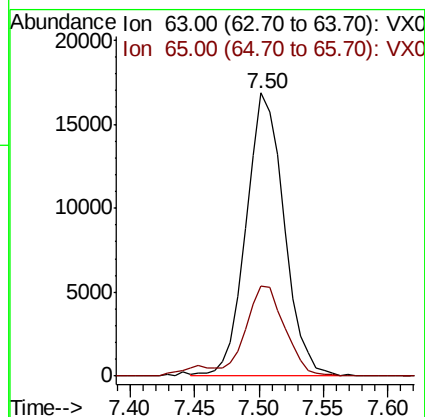
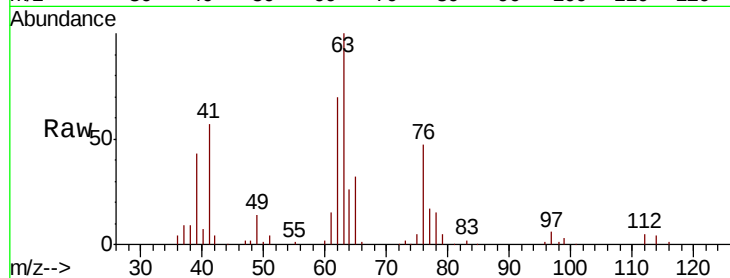
65 31.9 24.8 37.2

Manual Integrations

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#40

Dibromomethane

Concen: 19.047 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

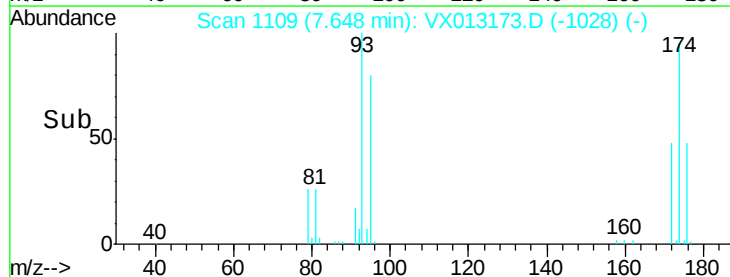
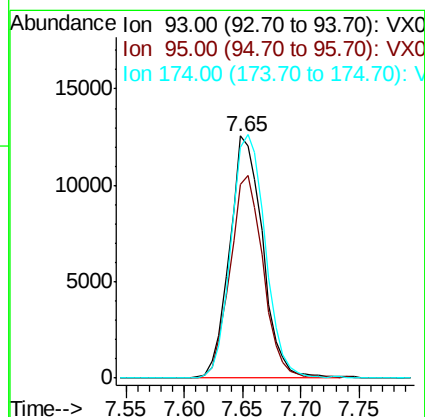
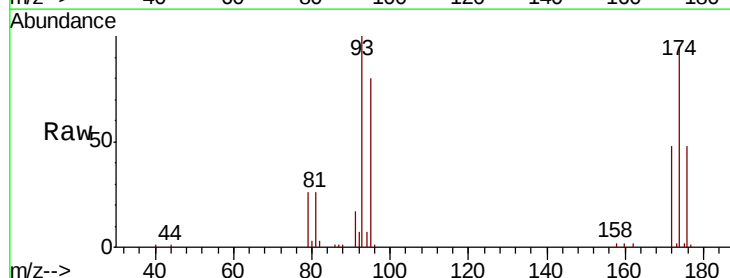
Tgt Ion: 93 Resp: 24870

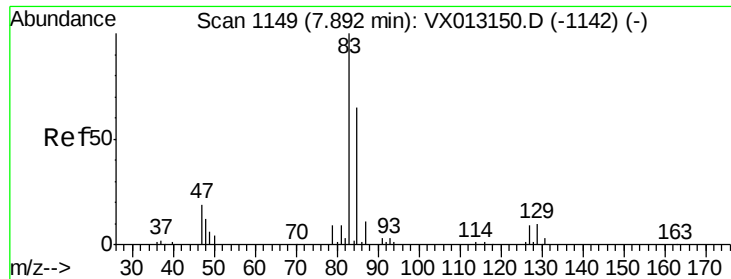
Ion Ratio Lower Upper

93 100

95 83.1 0.0 166.0

174 104.5 0.0 208.8





#41

Bromodichloromethane

Concen: 18.996 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

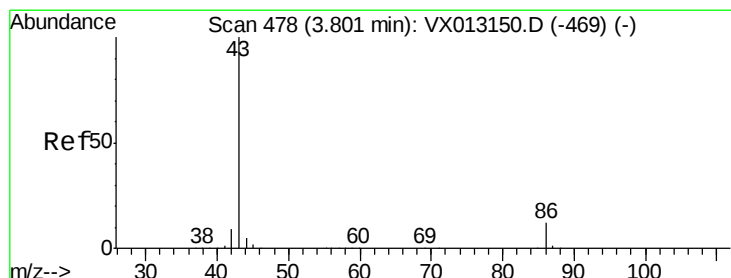
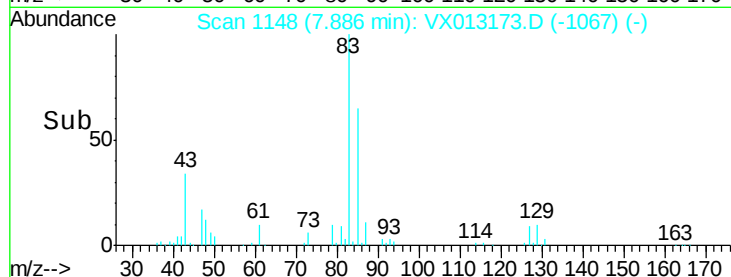
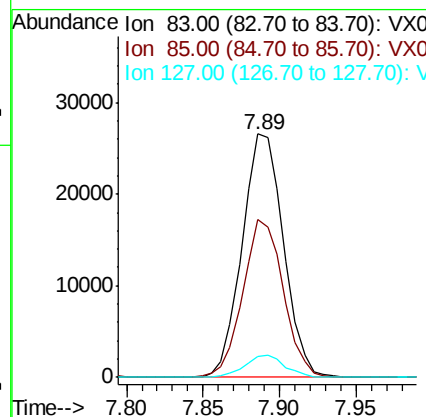
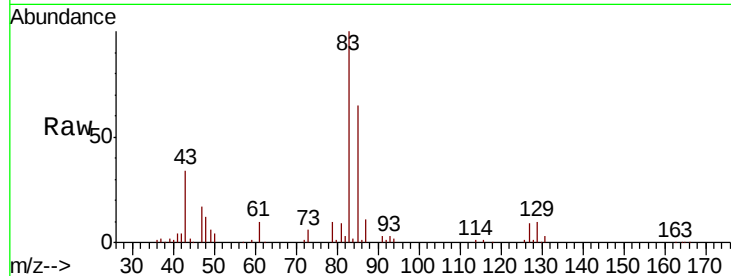
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	50011
Ion Ratio	Lower	Upper	
83	100		
85	65.0	52.1	78.1
127	8.7	7.5	11.3

Manual Integrations
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10/23/2019 3:10:33 PM



#42

Vinyl Acetate

Concen: 93.721 ug/l

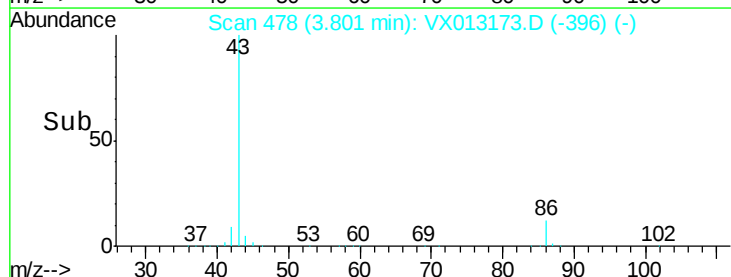
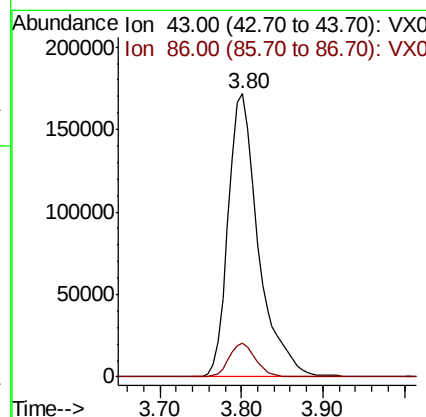
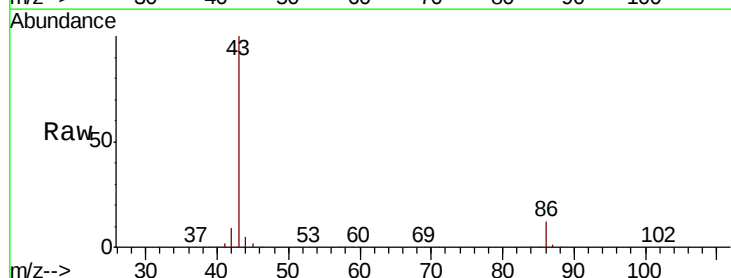
RT: 3.80 min Scan# 478

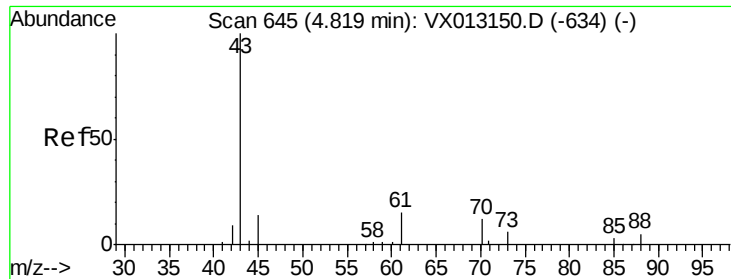
Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Tgt Ion:	43	Resp:	441024
Ion Ratio	Lower	Upper	
43	100		
86	10.5	8.6	12.8





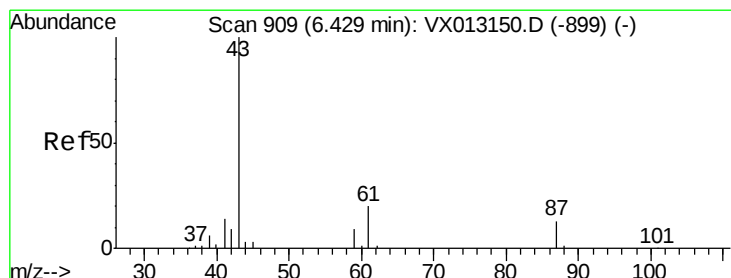
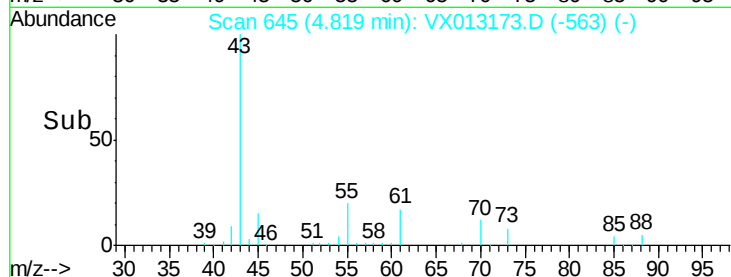
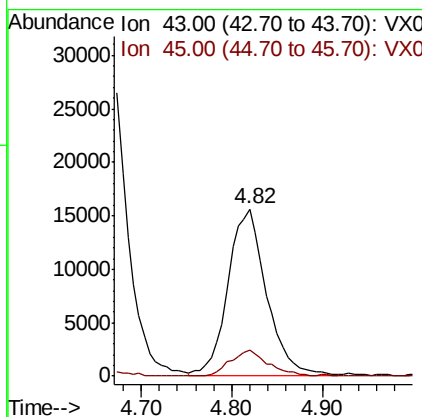
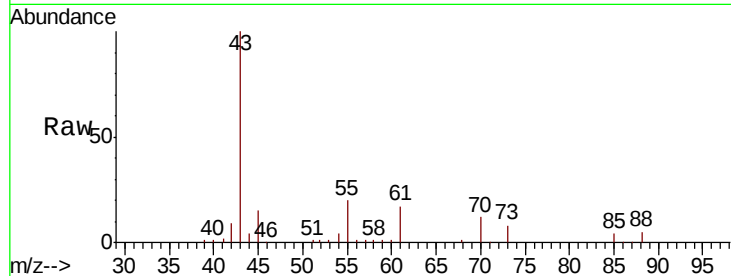
#43
Ethyl Acetate
Concen: 18.777 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	45	Ratio	Lower	Upper
43	100				
45	15.1		12.6	18.8	

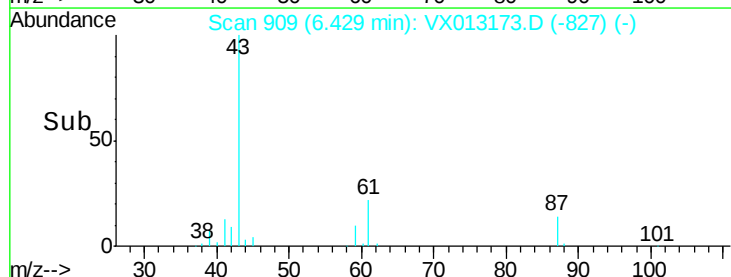
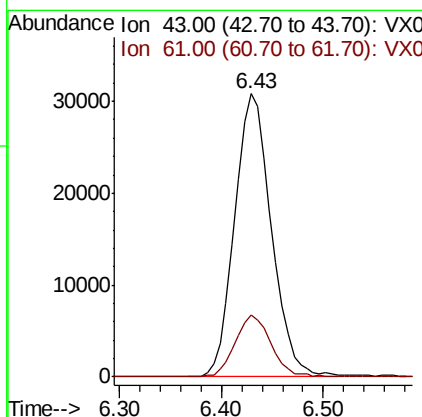
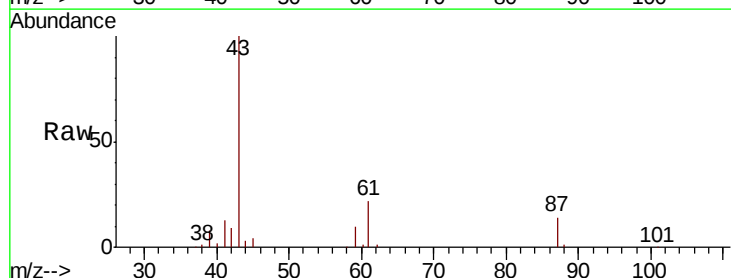
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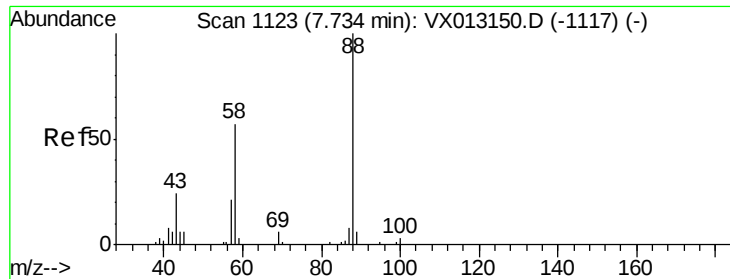
MMDadoda
10/23/2019 3:10:33 PM



#44
Isopropyl Acetate
Concen: 18.538 ug/l
RT: 6.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	43	61	Ratio	Lower	Upper
43	100				
61	20.9		16.8	25.2	





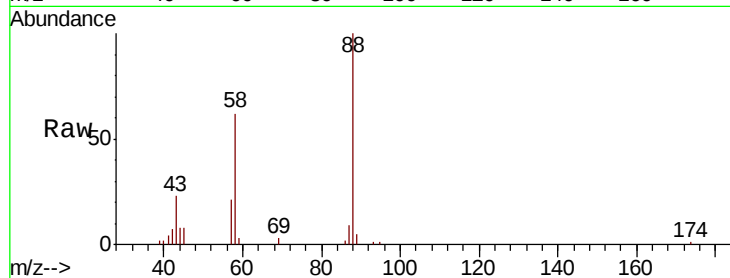
#45
 1,4-Dioxane
 Concen: 331.370 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	24.0	36.0
58	67.1	52.8	79.2

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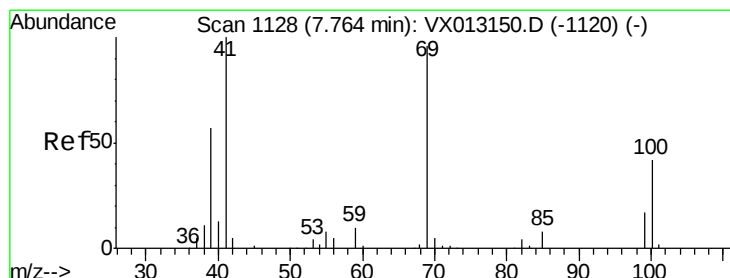
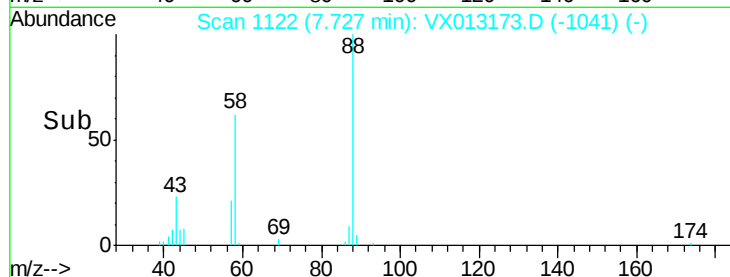
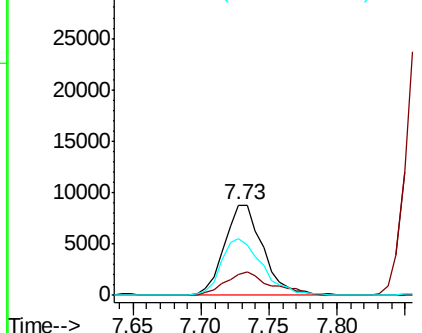


Abundance

Ion 88.00 (87.70 to 88.70): VX0

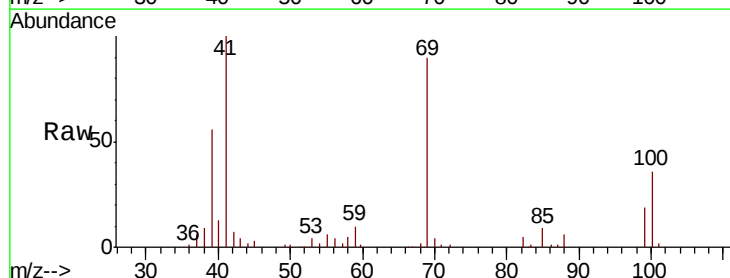
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46
 Methyl methacrylate
 Concen: 18.601 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.9	47.8	143.3
39	56.3	28.5	85.5

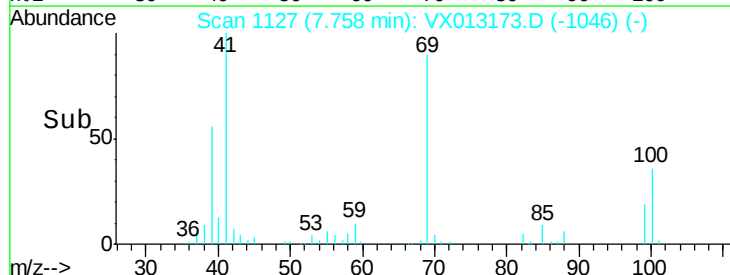
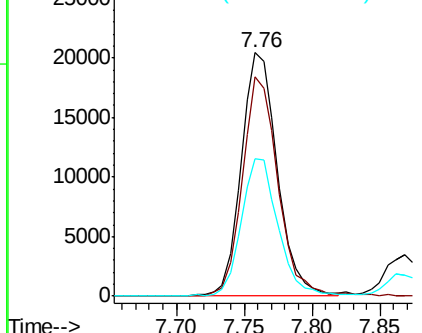


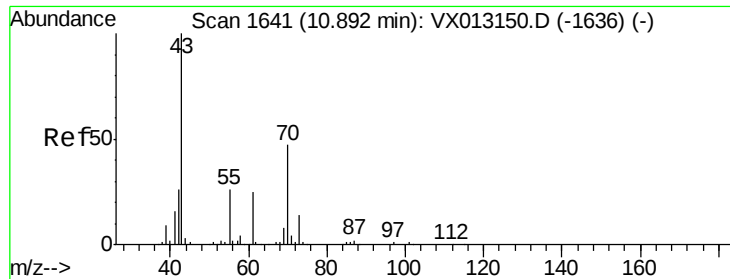
Abundance

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





#47

n-amvl Acetate

Concen: 18.262 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 64035

Ion Ratio Lower Upper

43 100

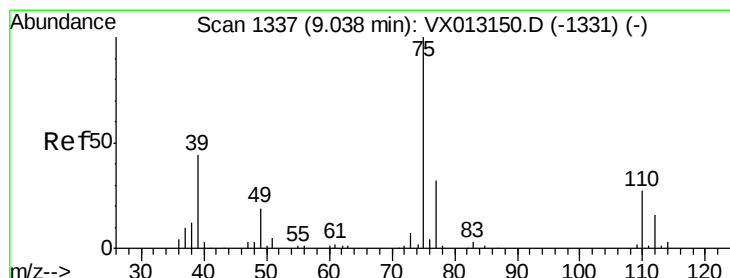
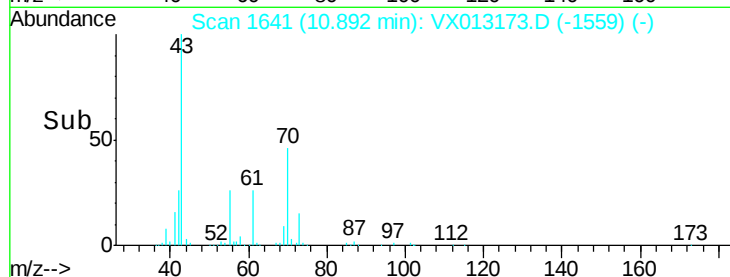
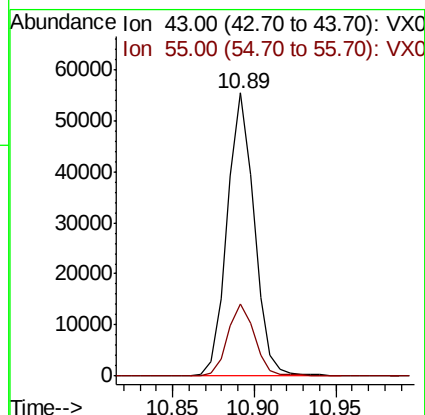
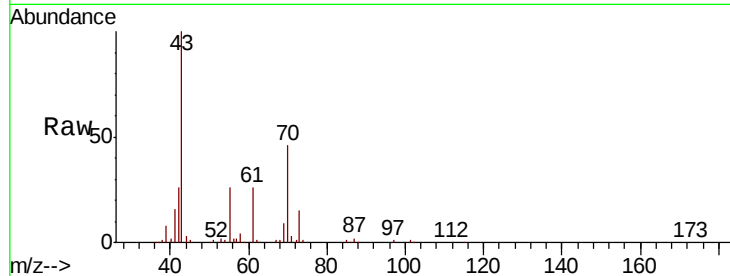
55 25.7 20.9 31.3

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.540 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013173.D

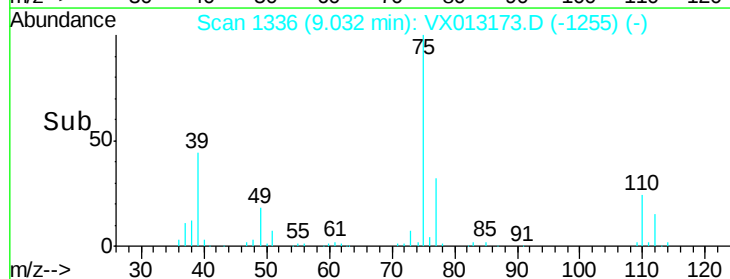
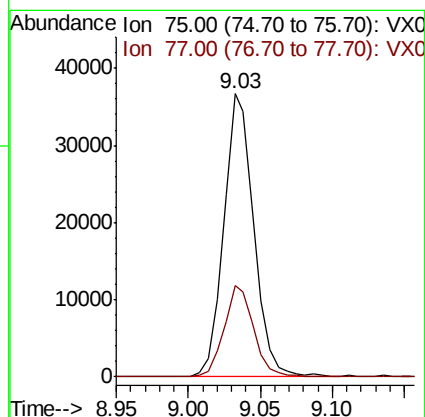
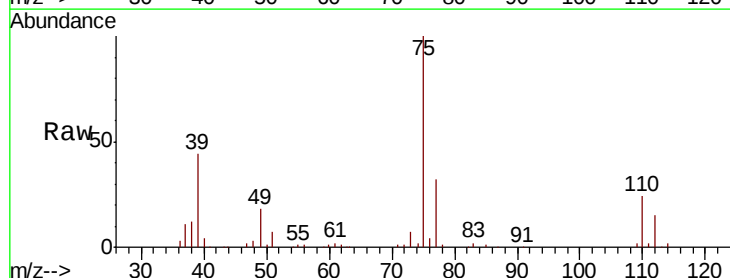
Acq: 22 Oct 2019 13:30

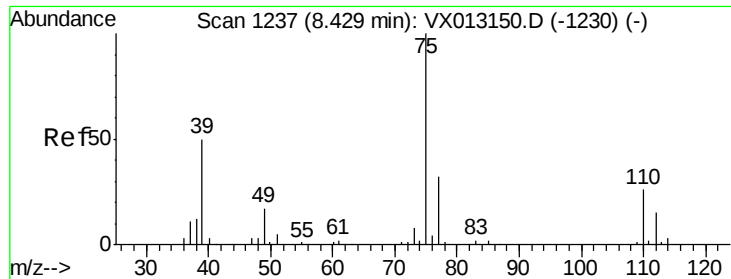
Tgt Ion: 75 Resp: 53542

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4





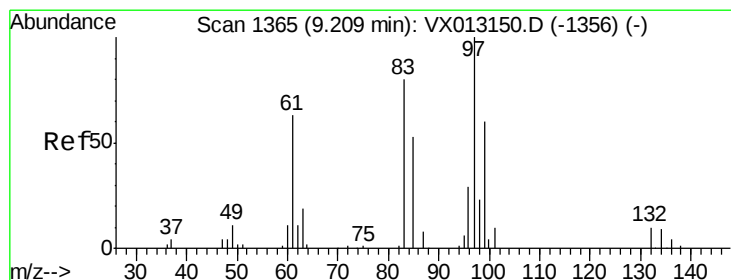
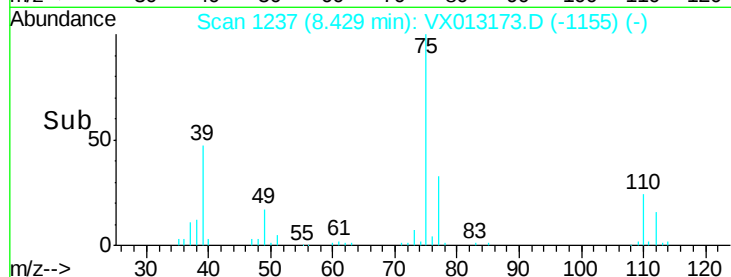
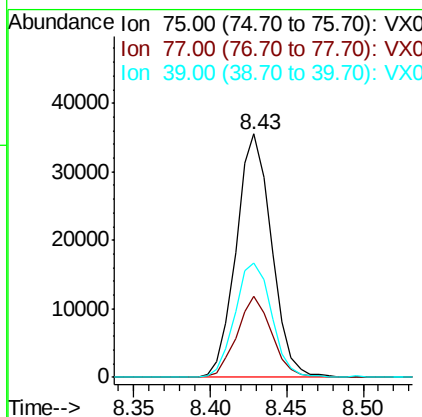
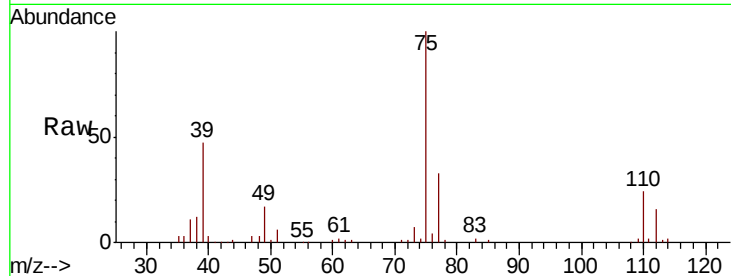
#49
 cis-1,3-Dichloropropene
 Concen: 18.186 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.8	38.8
39	47.1	39.7	59.5

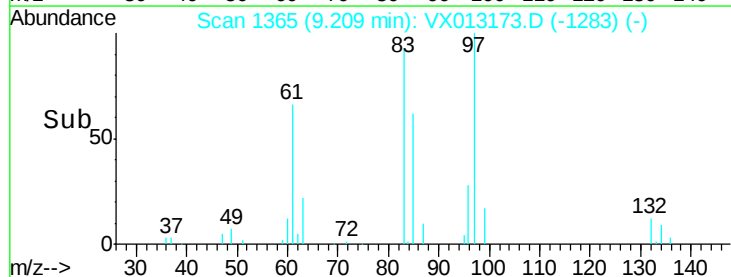
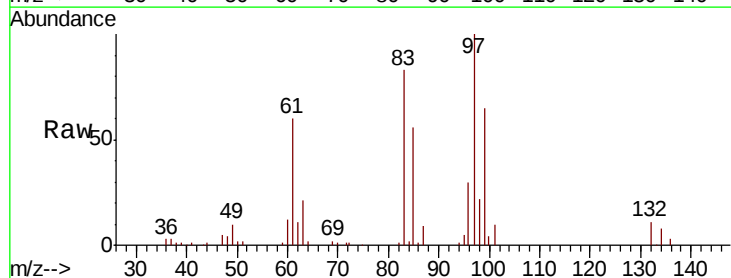
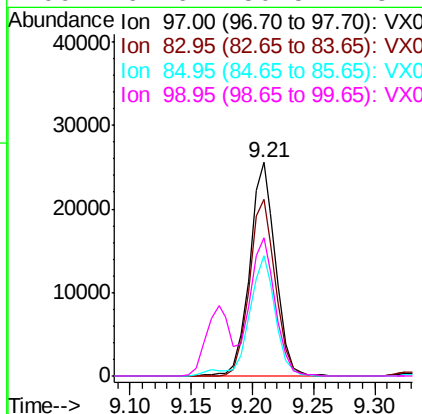
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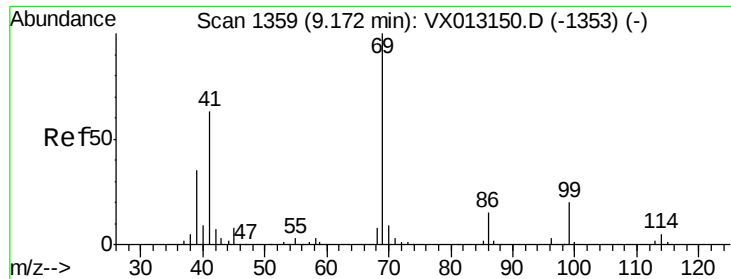
MMDadoda
 10/23/2019 3:10:33 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.372 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.7	64.2	96.4
85	56.1	42.7	64.1
99	64.6	50.5	75.7





#51

Ethyl methacrylate

Concen: 19.080 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

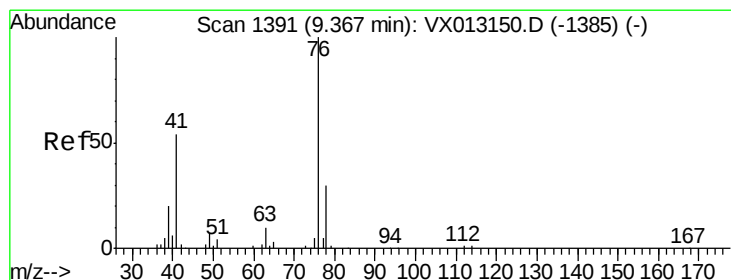
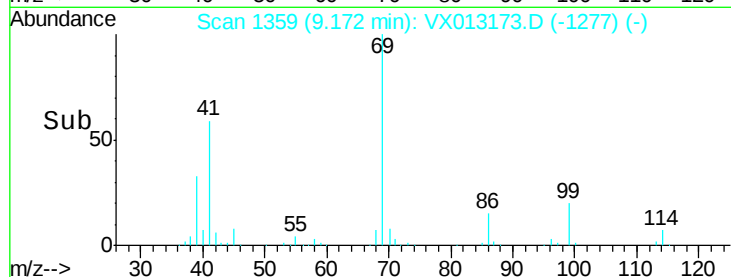
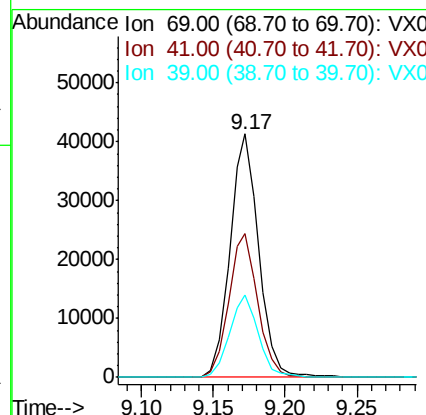
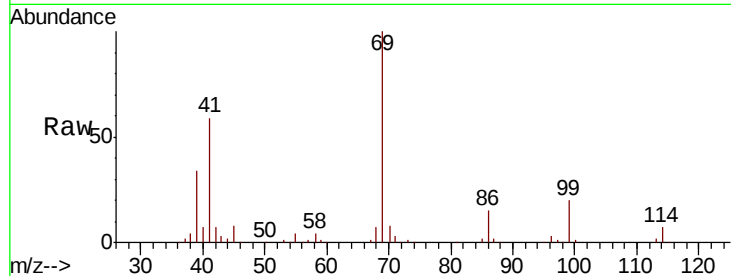
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	57689
Ion	Ratio	Lower	Upper
69	100		
41	59.3	31.6	95.0
39	33.6	17.7	53.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.275 ug/l

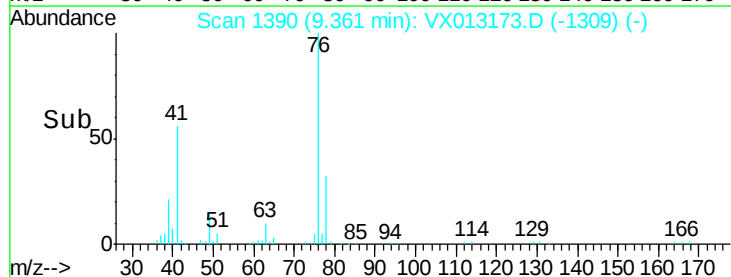
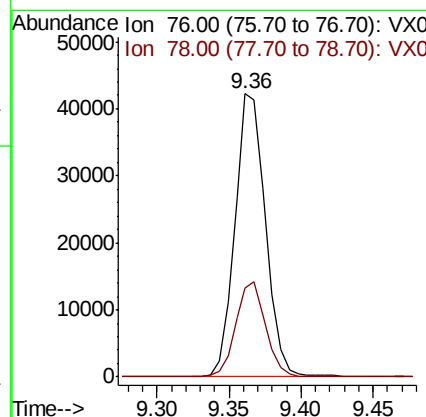
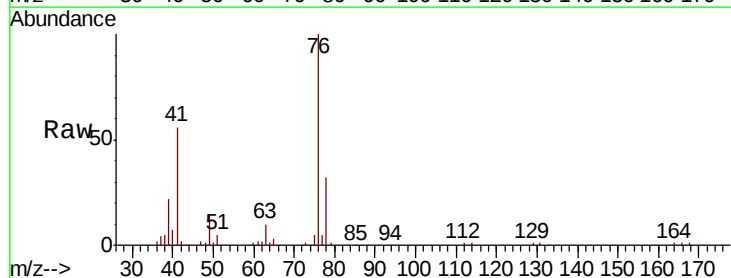
RT: 9.36 min Scan# 1390

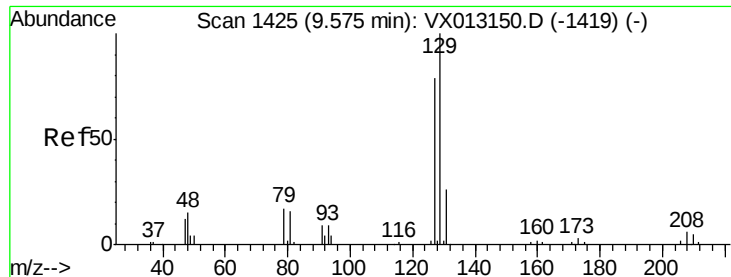
Delta R.T. -0.01 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Tgt Ion:	76	Resp:	62592
Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	64.6





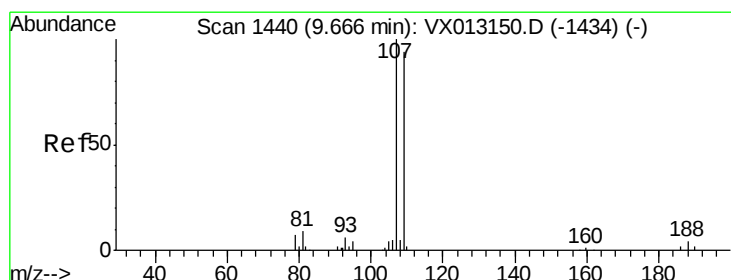
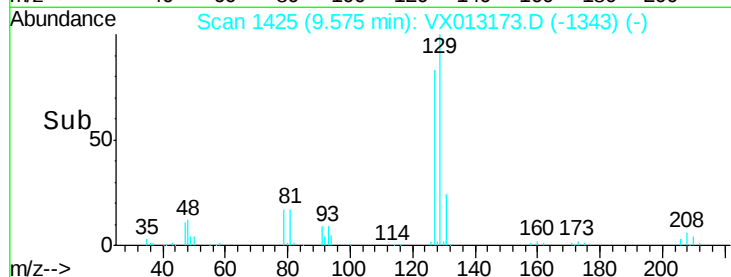
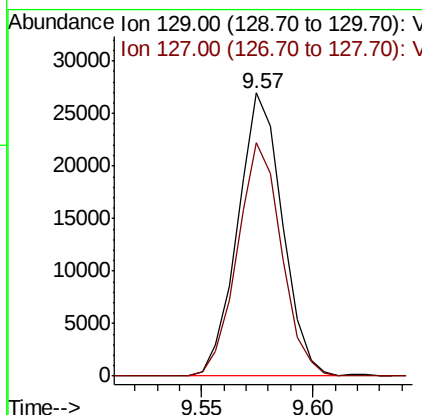
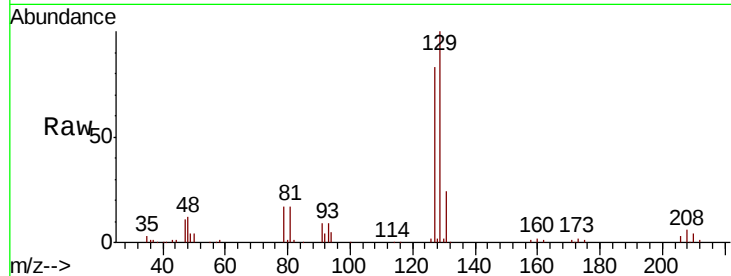
#53
Dibromochloromethane
Concen: 18.132 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		37715		
127	81.5	39.4	118.2		

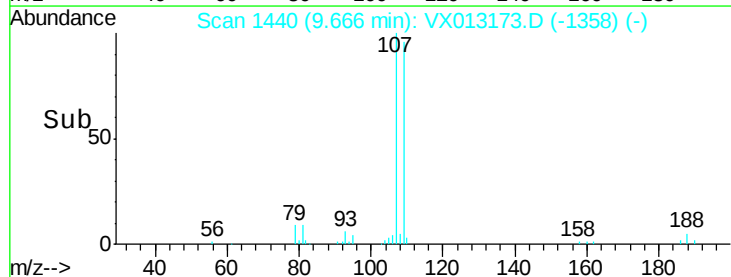
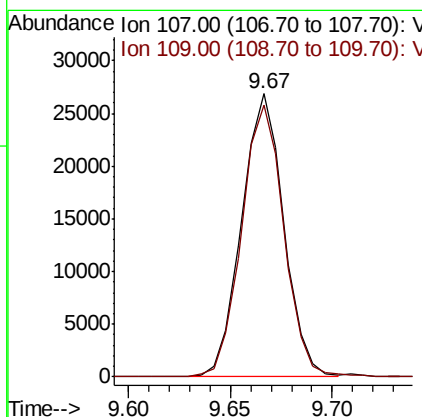
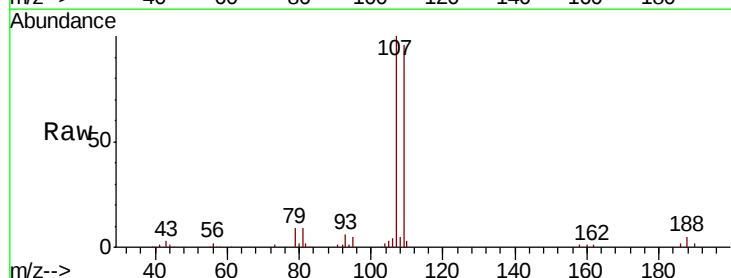
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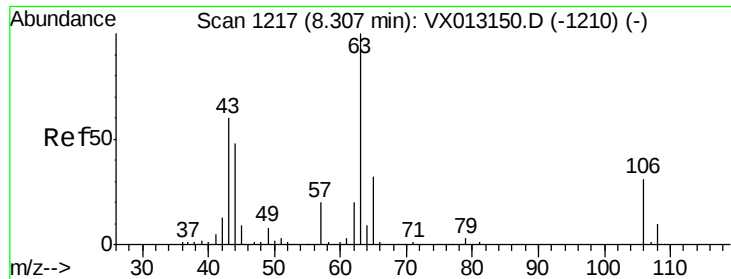
MMDadoda
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#54
1,2-Dibromoethane
Concen: 18.662 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		38477		
109	96.7	75.4	113.0		





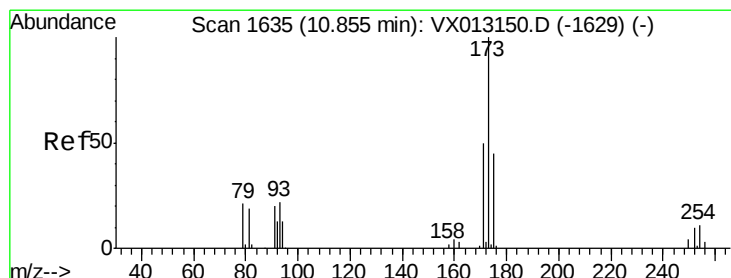
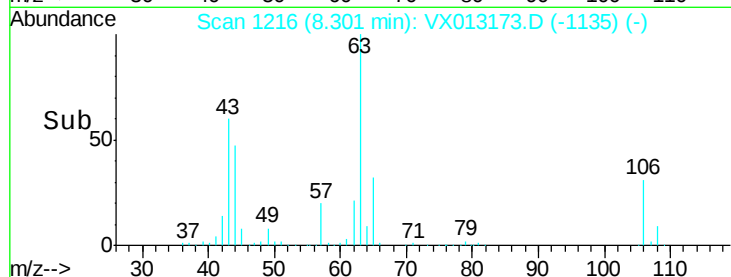
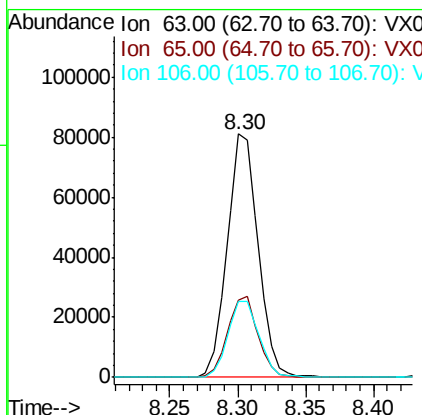
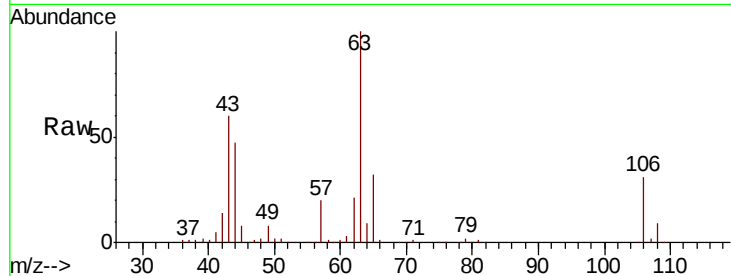
#55
 2-Chloroethyl vinyl ether
 Concen: 104.134 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.5	38.3
106	31.7	24.8	37.2

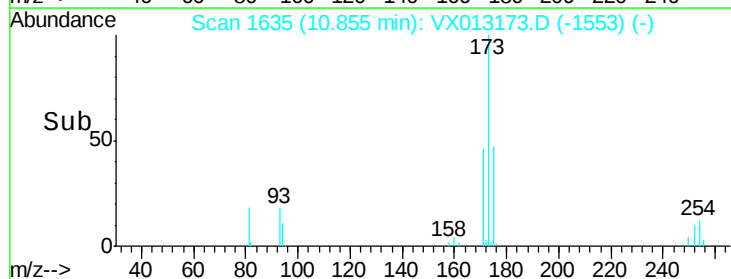
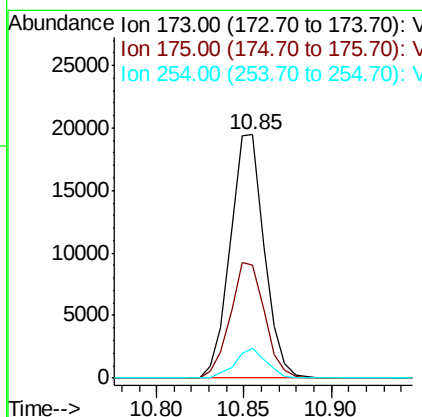
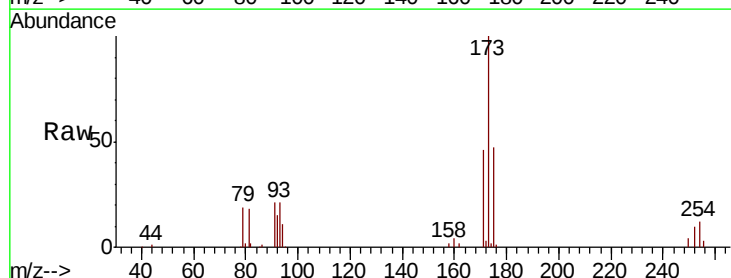
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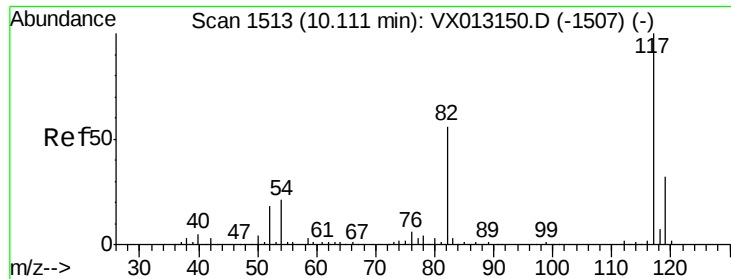
MMDadoda
 10/23/2019 3:10:33 PM



#56
 Bromoform
 Concen: 17.852 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	39.0	58.4
254	11.3	8.1	12.1





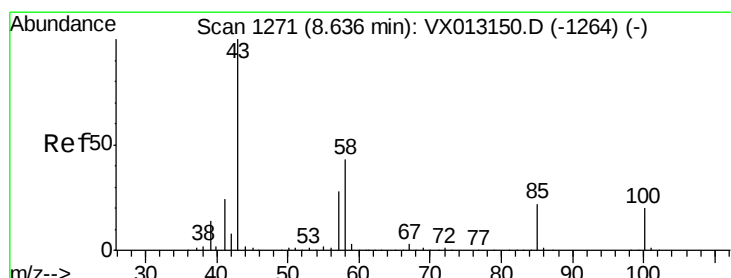
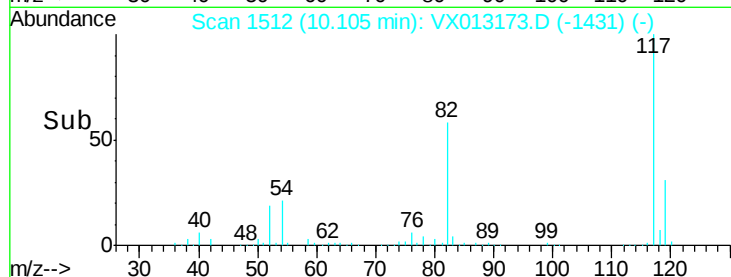
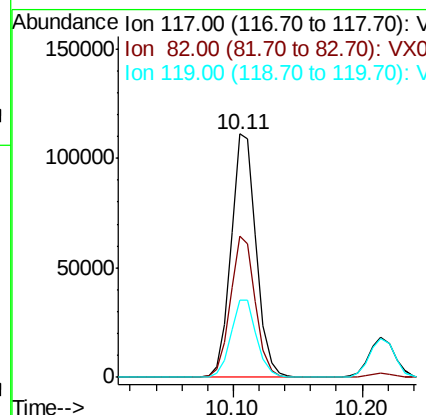
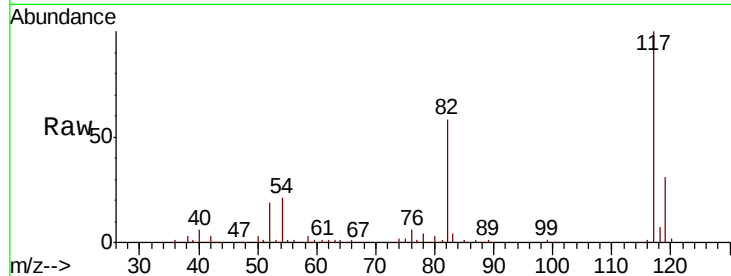
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.0	69.0
119	32.5	25.4	38.0

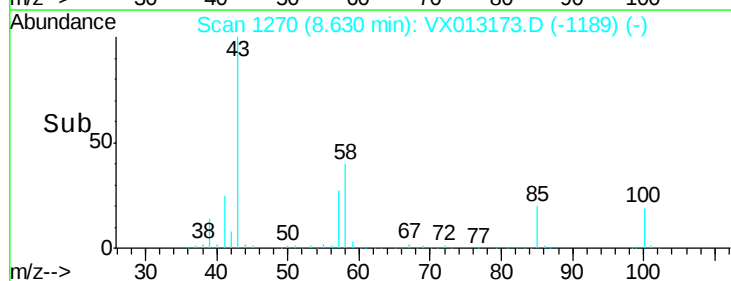
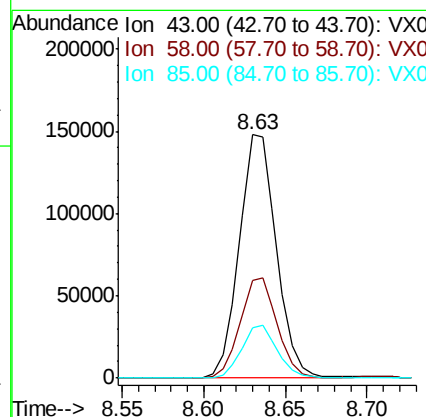
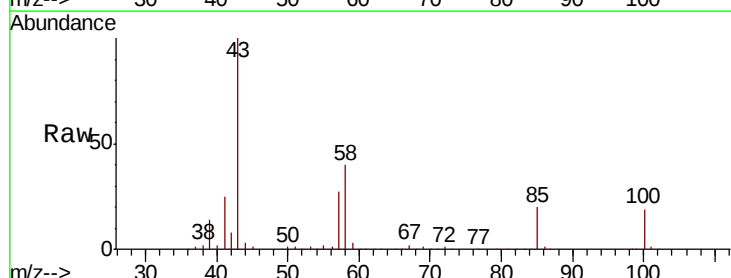
Manual Integrations
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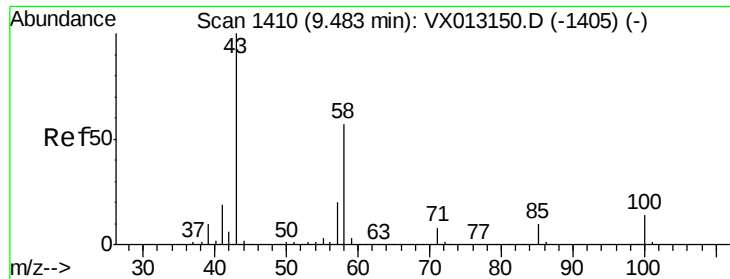
MMDadoda
10/23/2019 3:10:33 PM



#58
4-Methyl-2-Pentanone
Concen: 91.291 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.3	33.8	50.8
85	21.1	16.8	25.2





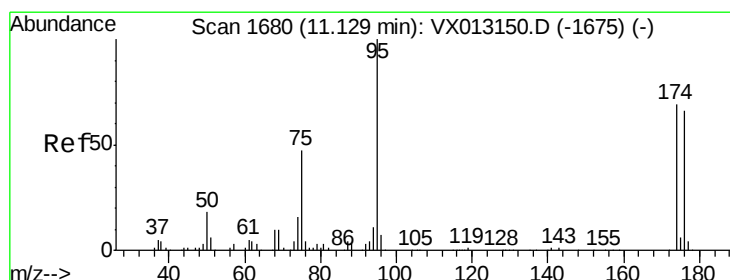
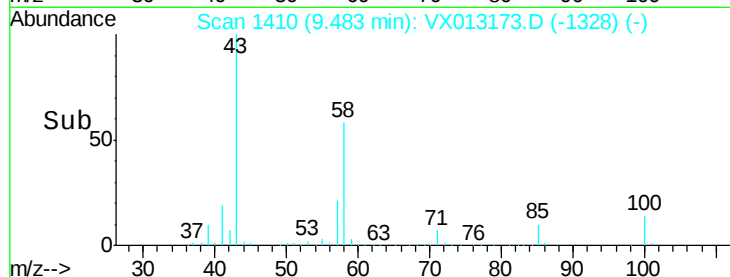
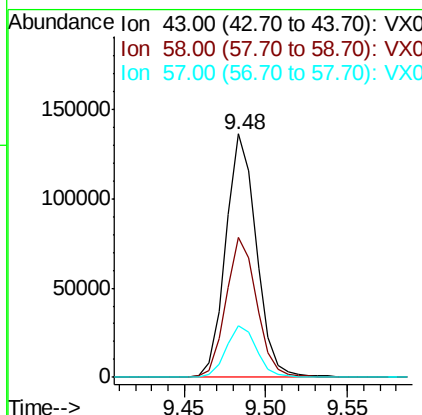
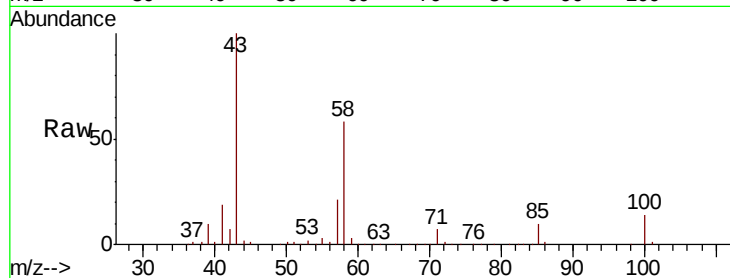
#59
2-Hexanone
Concen: 88.575 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.9	46.6	69.8
57	21.2	16.9	25.3

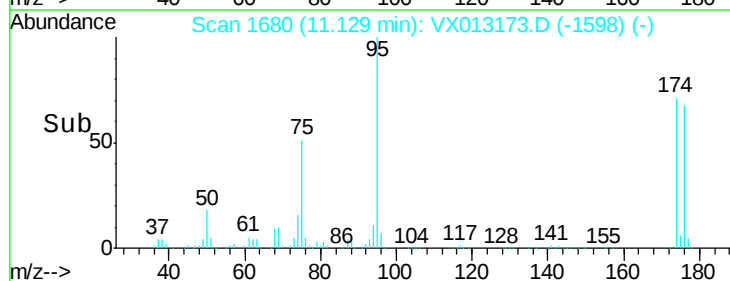
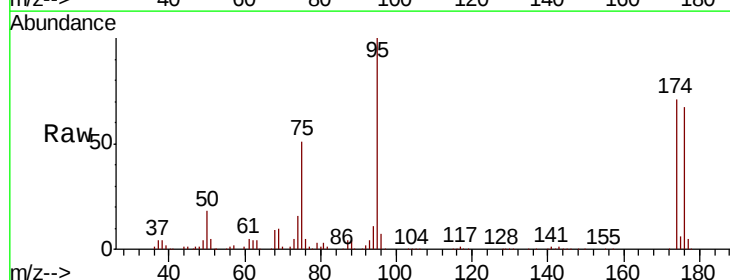
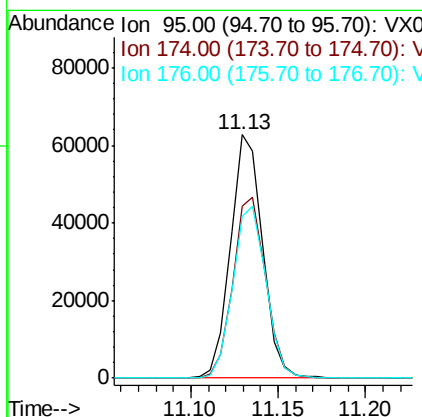
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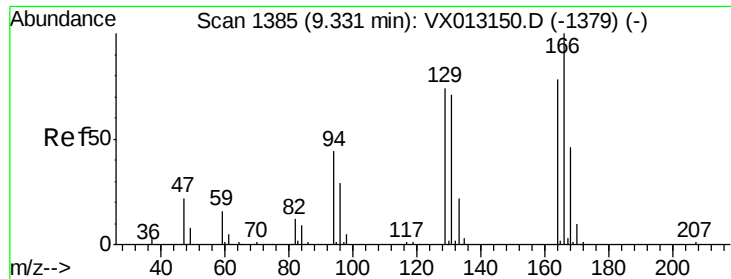
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.126 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	60.0	90.0
176	73.3	58.5	87.7





#61

Tetrachloroethene

Concen: 19.566 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 39401

Ion Ratio Lower Upper

164 100

166 124.7 102.6 153.8

129 96.5 75.7 113.5

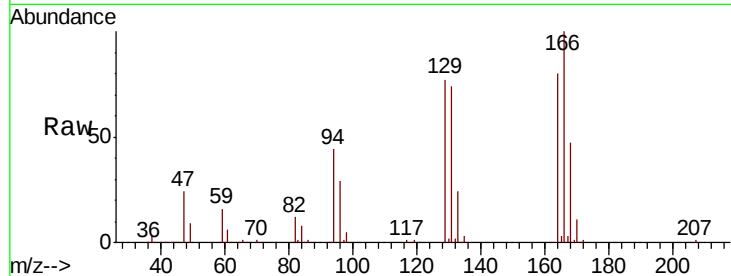
131 92.2 72.4 108.6

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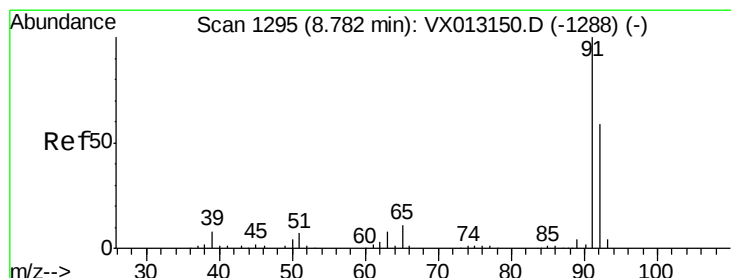
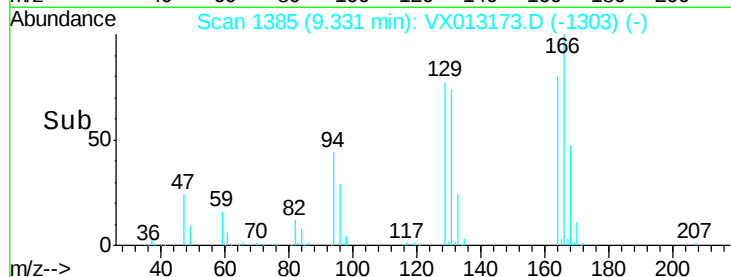
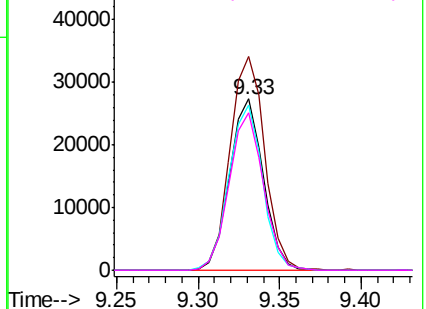
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.058 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013173.D

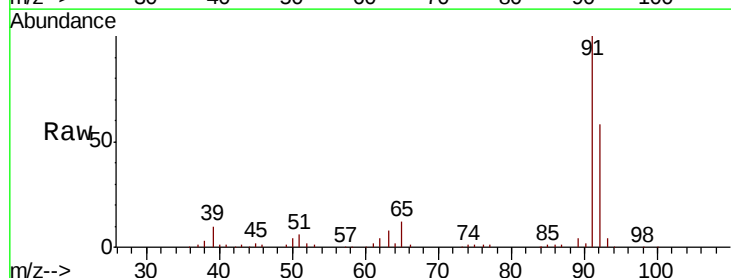
Acq: 22 Oct 2019 13:30

Tgt Ion: 91 Resp: 156272

Ion Ratio Lower Upper

91 100

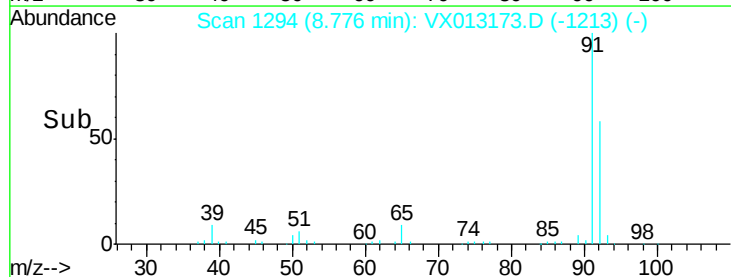
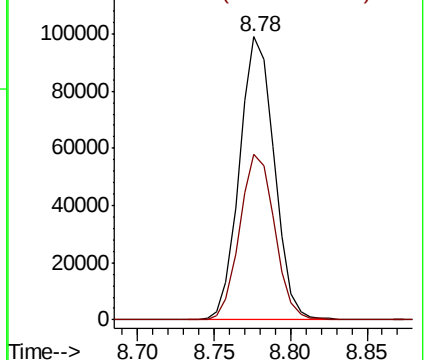
92 58.8 47.7 71.5

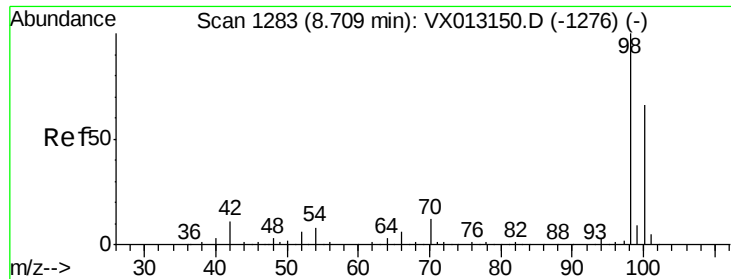


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.510 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 206129

Ion Ratio Lower Upper

98 100

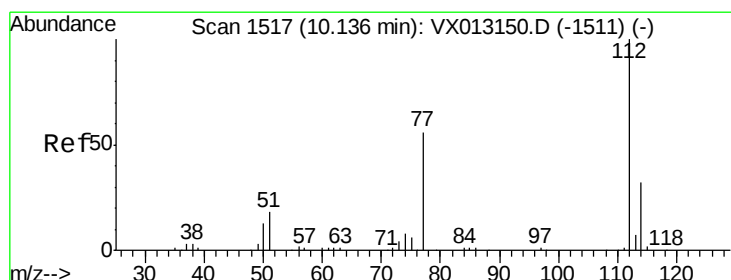
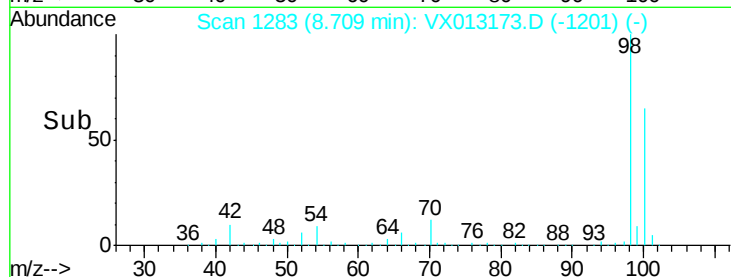
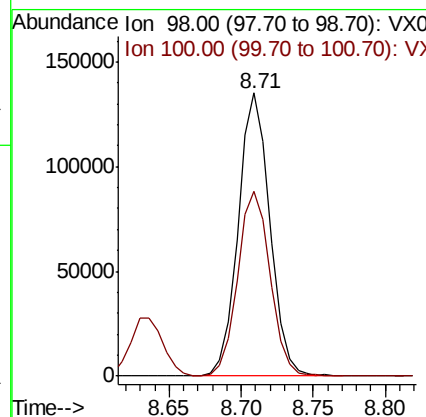
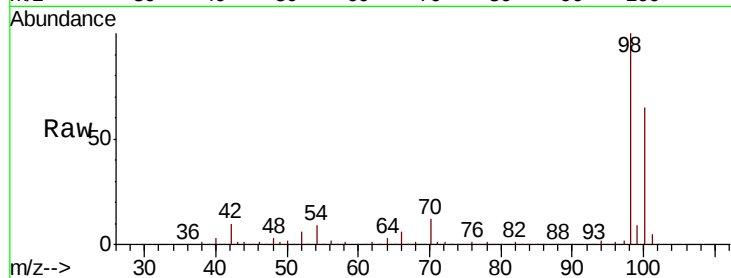
100 67.1 53.1 79.7

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#64

Chlorobenzene

Concen: 18.816 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013173.D

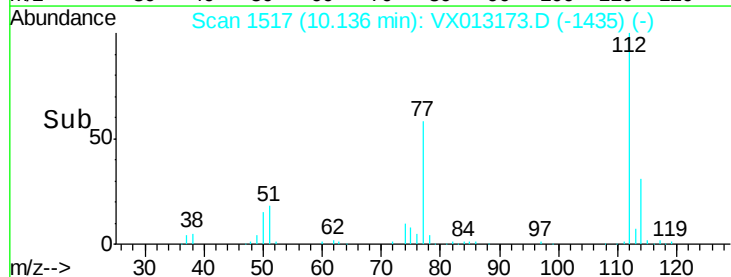
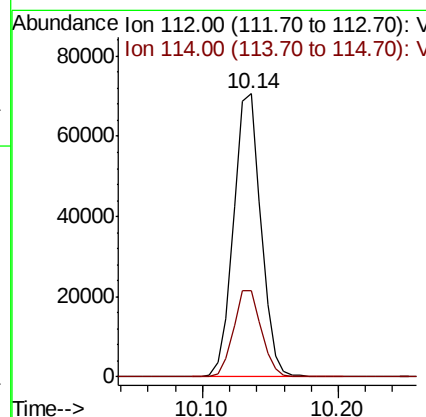
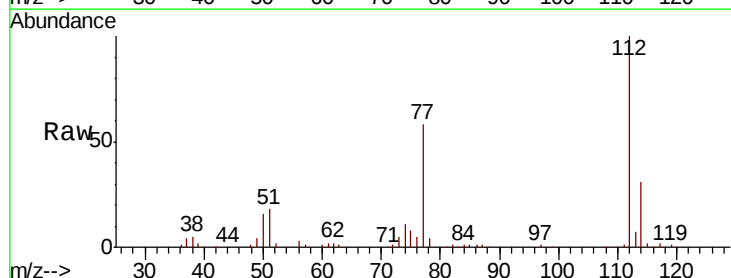
Acq: 22 Oct 2019 13:30

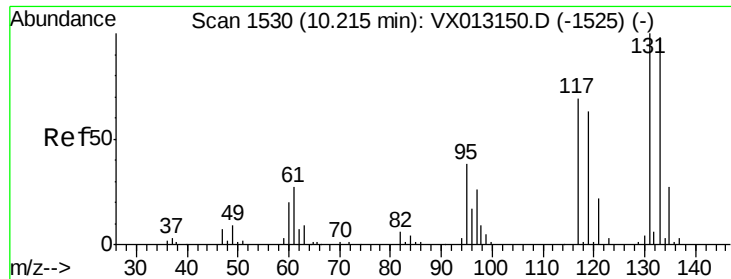
Tgt Ion: 112 Resp: 98929

Ion Ratio Lower Upper

112 100

114 30.7 25.5 38.3





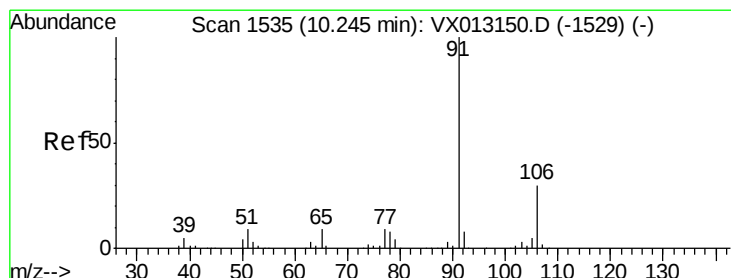
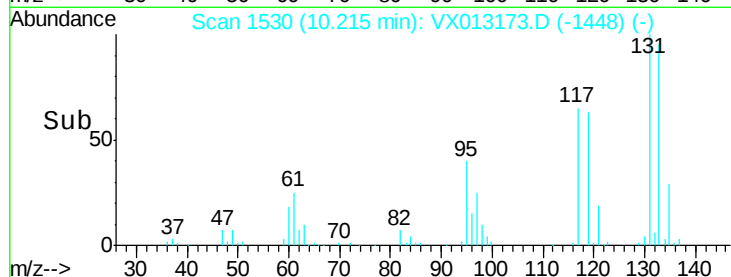
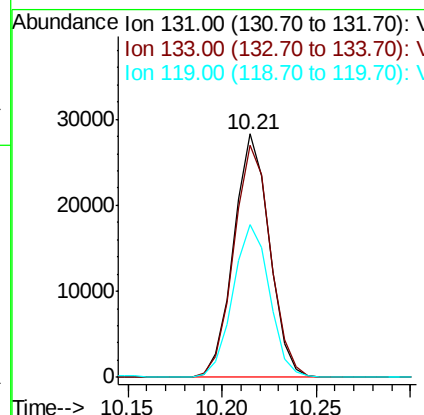
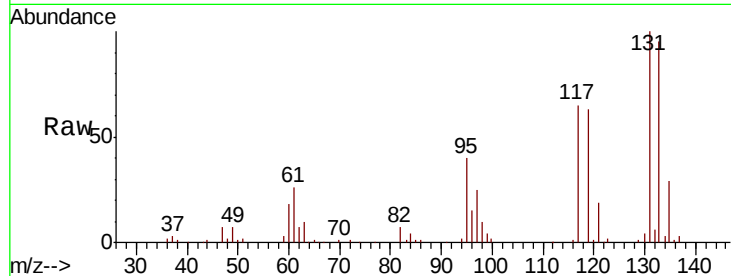
#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.860 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	98.2	0.0	191.0
119	64.6	0.0	125.6

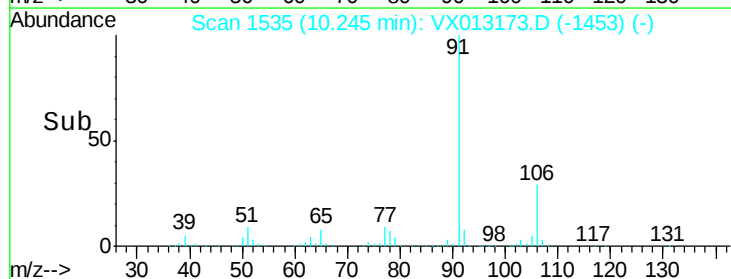
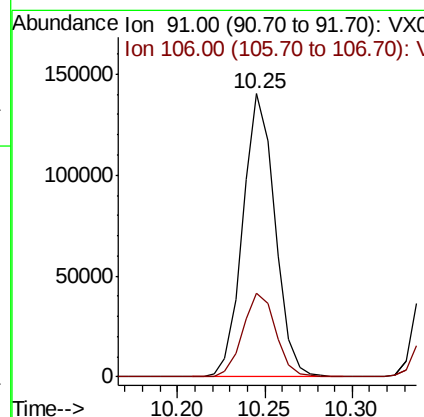
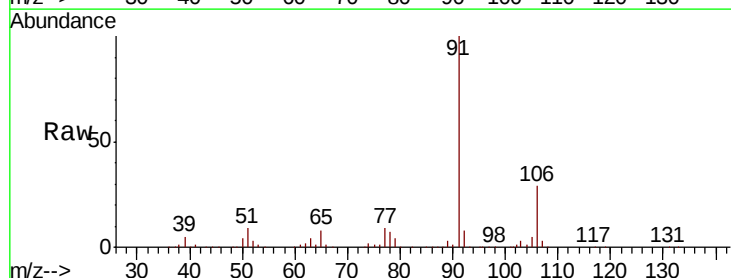
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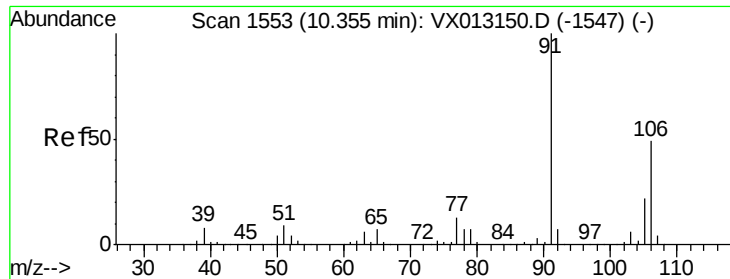
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#66
 Ethyl Benzene
 Concen: 18.991 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.8	35.6





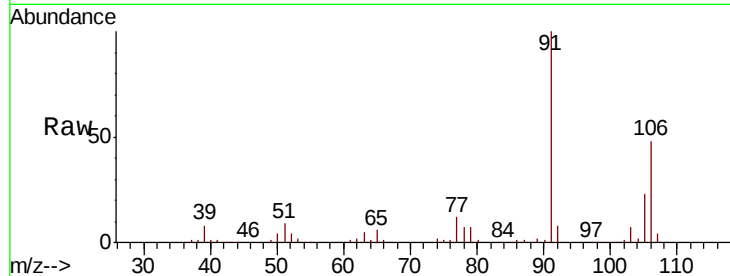
#67
m/p-Xvlenes
Concen: 37.714 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

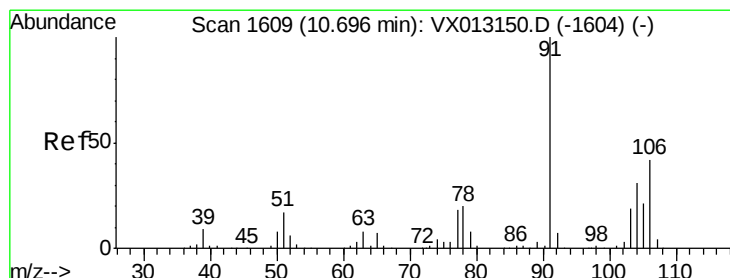
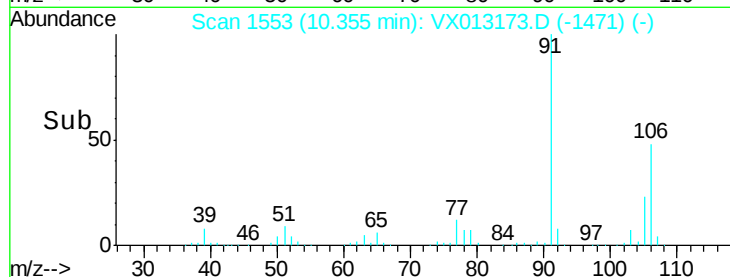
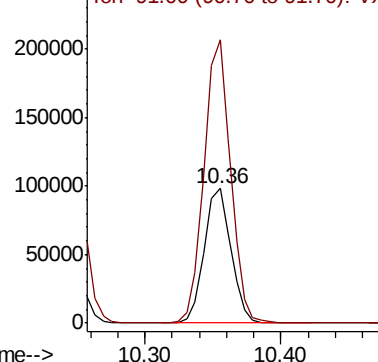
Tot Ion:106 Resp: 135276
Ion Ratio Lower Upper
106 100
91 207.3 163.7 245.5

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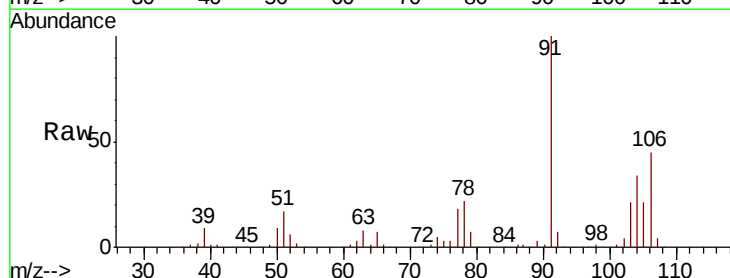


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

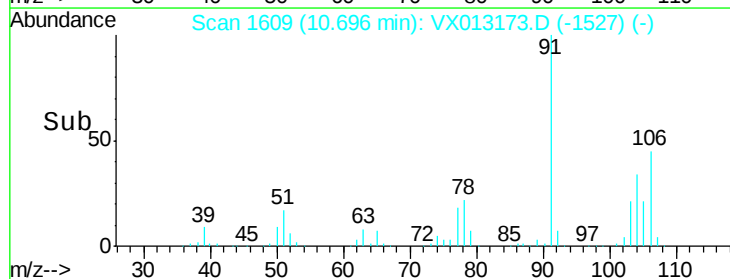
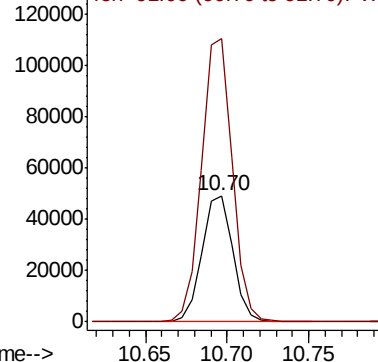


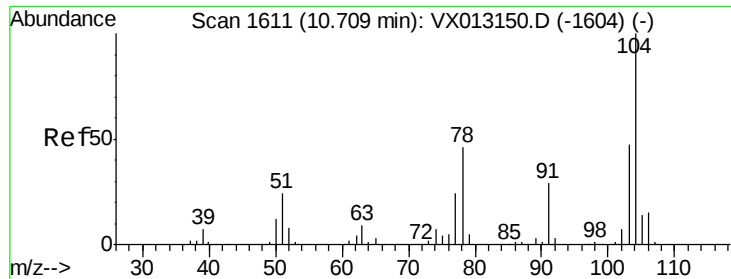
#68
o-Xylene
Concen: 18.921 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion:106 Resp: 64787
Ion Ratio Lower Upper
106 100
91 223.1 113.6 340.8



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





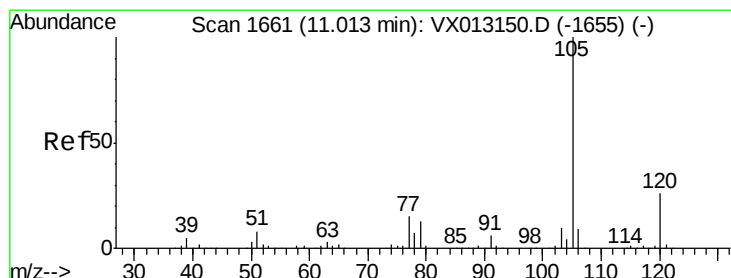
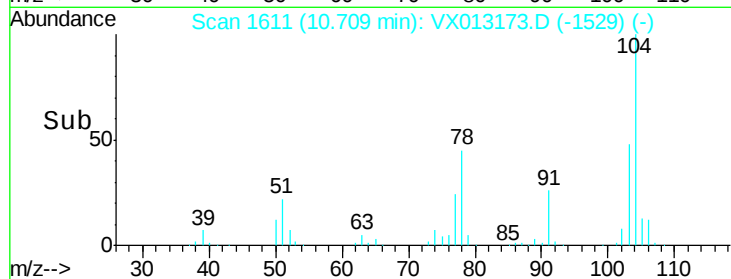
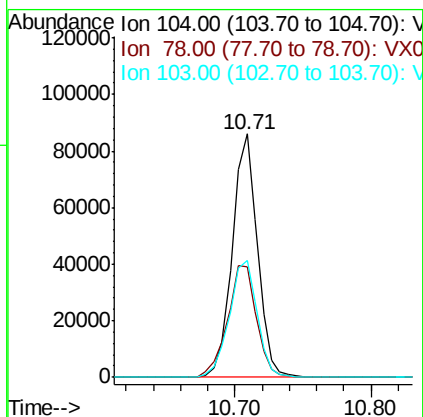
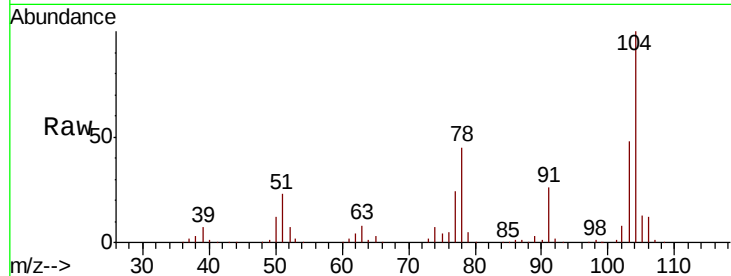
#69
Stvrene
Concen: 18.771 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.3	63.5
103	53.6	42.2	63.2

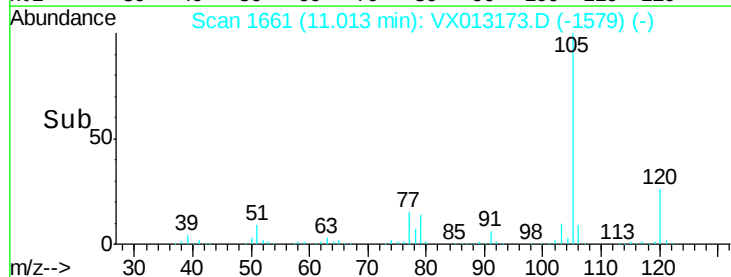
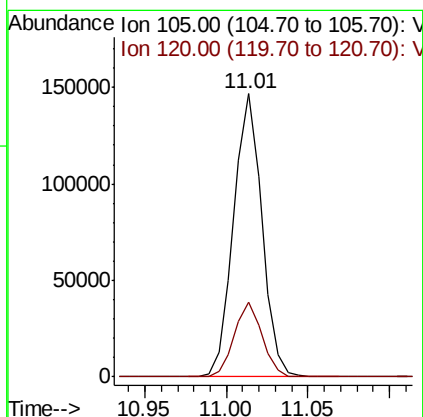
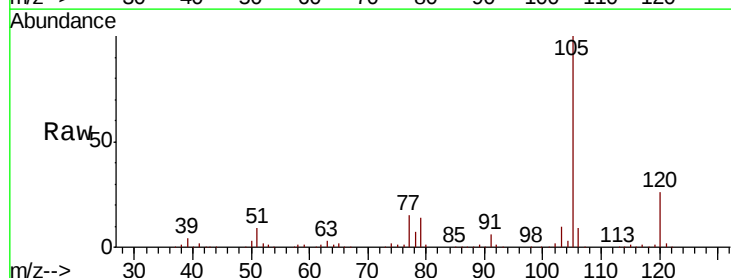
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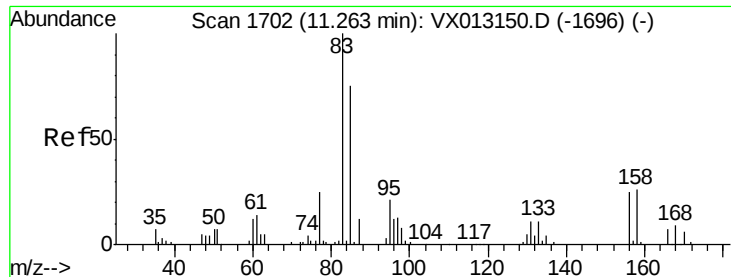
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#70
Isopropylbenzene
Concen: 18.881 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.1	33.7





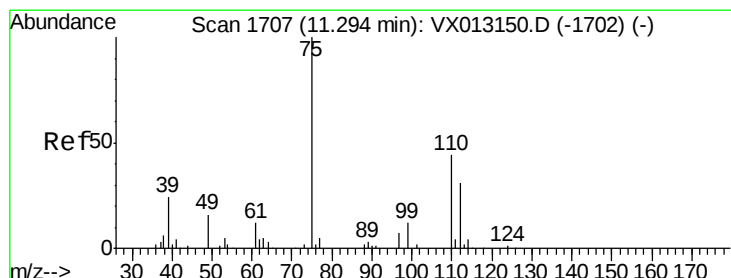
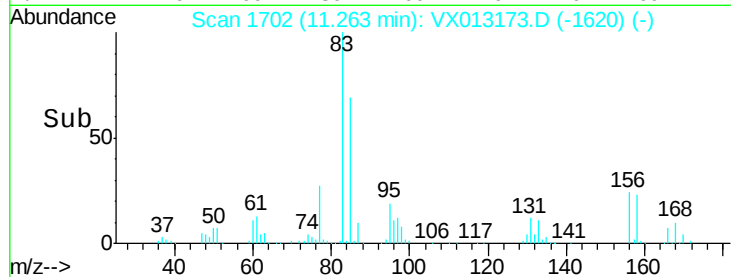
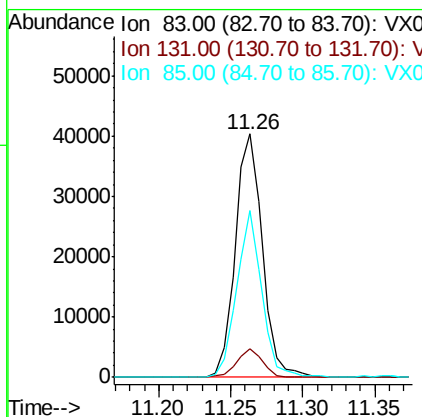
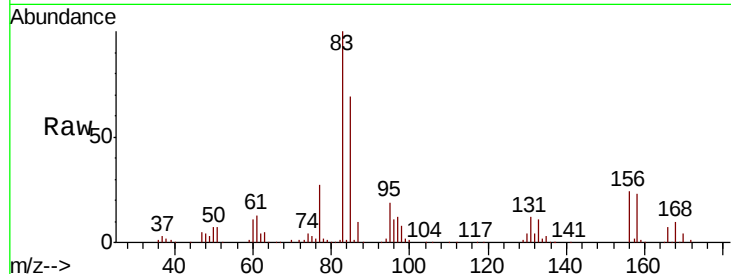
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.449 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	53117
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	63.1	32.9	98.6

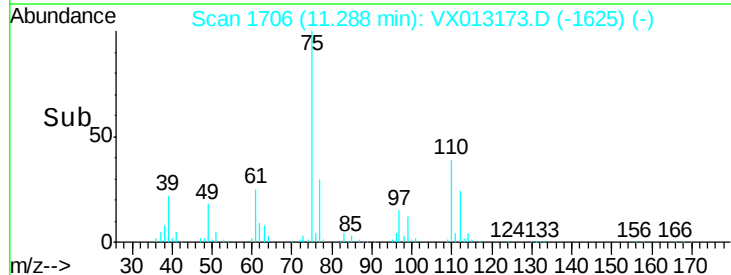
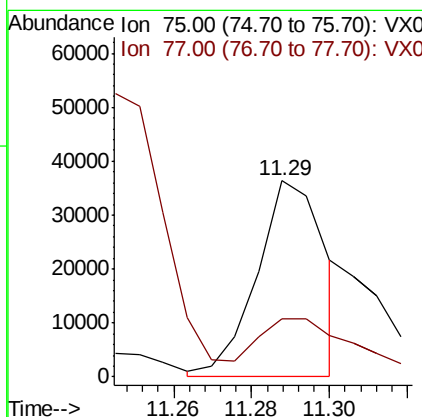
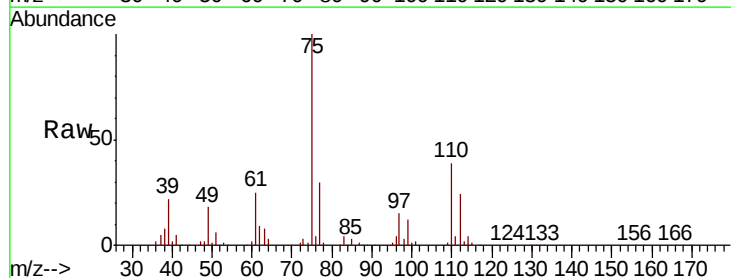
Manual Integrations
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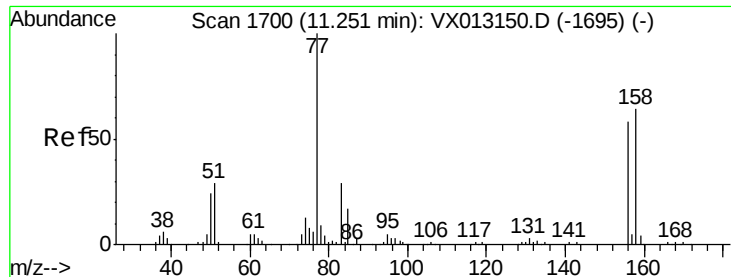
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#72
 1,2,3-Trichloropropane
 Concen: 17.634 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Tgt Ion	75	Resp	44096
Ion	Ratio	Lower	Upper
75	100		
77	42.1	0.0	74.0





#73

Bromobenzene

Concen: 18.375 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:156 Resp: 41433

Ion Ratio Lower Upper

156 100

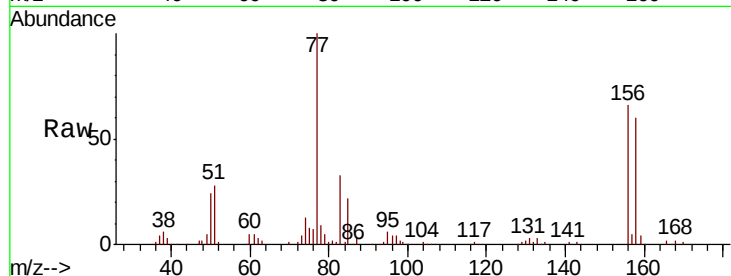
77 166.7 0.0 328.0

158 97.8 0.0 196.2

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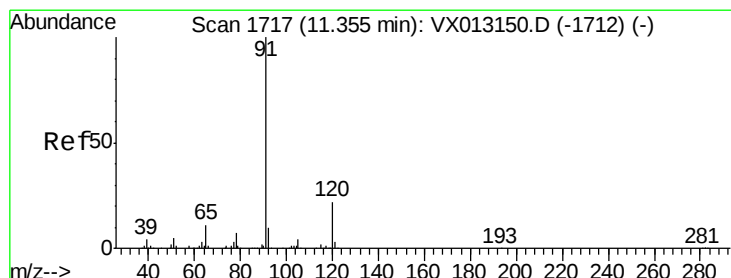
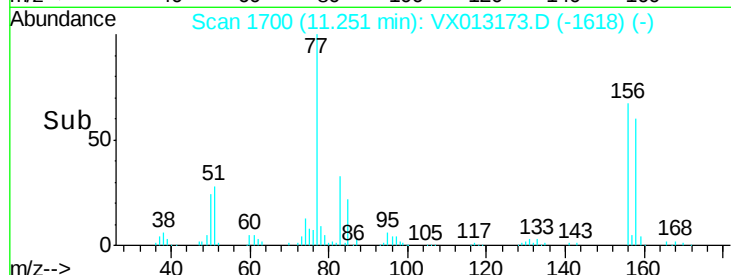
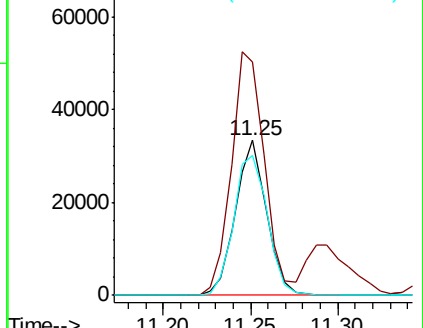
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.582 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013173.D

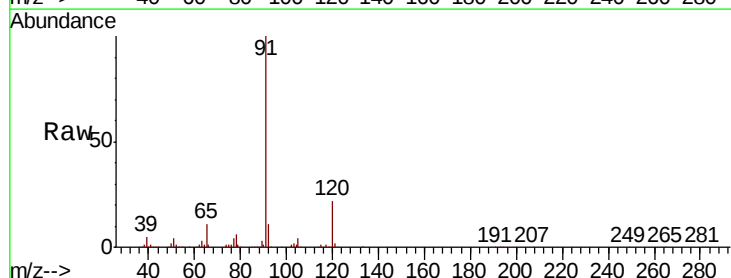
Acq: 22 Oct 2019 13:30

Tgt Ion: 91 Resp: 201939

Ion Ratio Lower Upper

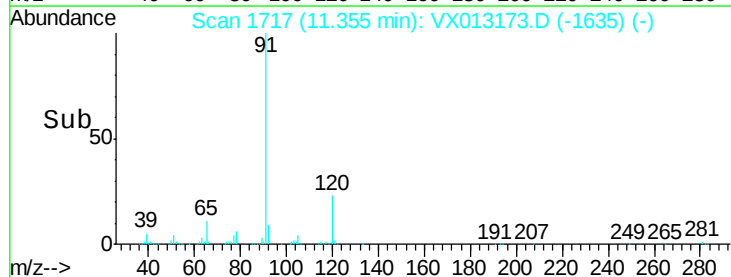
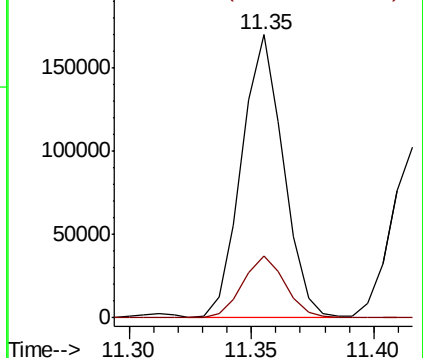
91 100

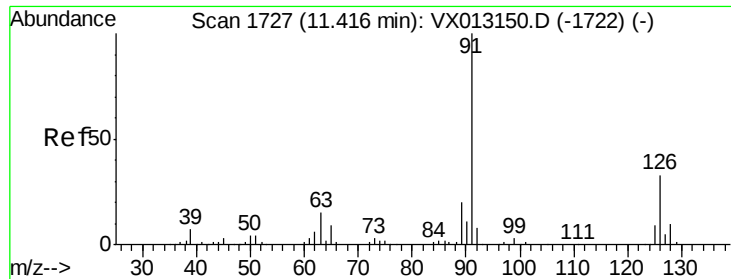
120 22.2 0.0 45.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.960 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 122347

Ion Ratio Lower Upper

91 100

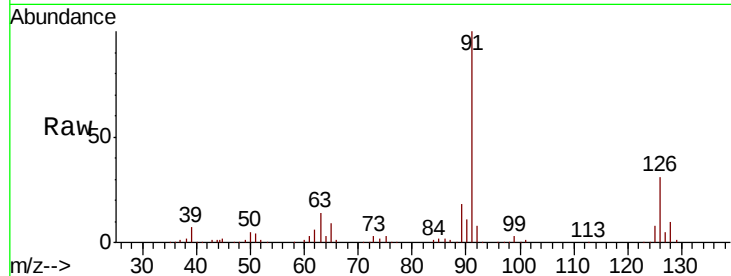
126 31.3 0.0 63.8

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Abundance Ion 91.00 (90.70 to 91.70): VX013150.D (-1722) (-)

Ion 126.00 (125.70 to 126.70): VX013150.D (-1722) (-)

200000

150000

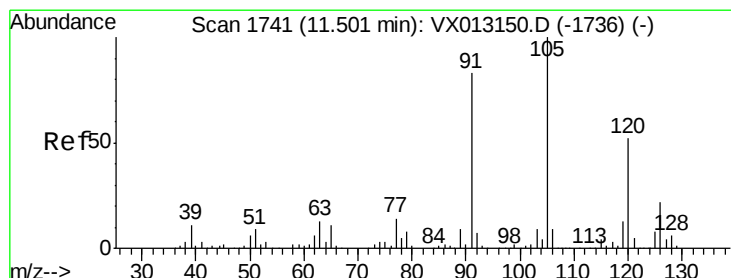
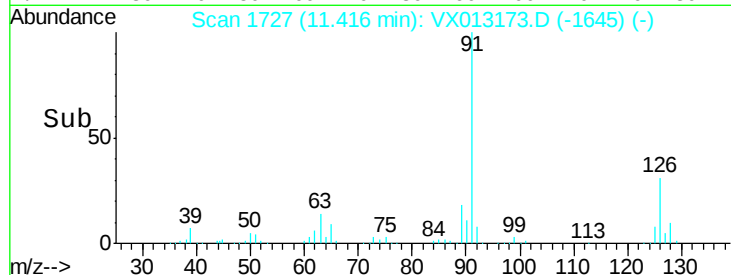
100000

50000

0

11.35 11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.762 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013173.D

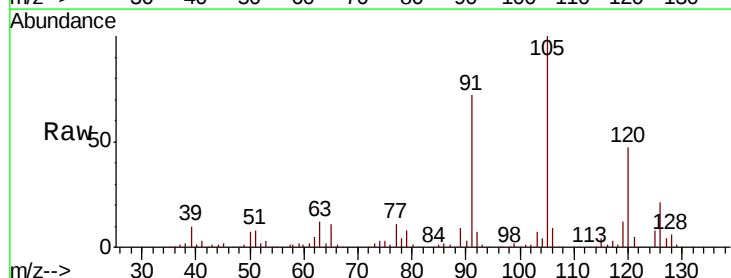
Acq: 22 Oct 2019 13:30

Tgt Ion: 105 Resp: 147984

Ion Ratio Lower Upper

105 100

120 48.7 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VX013150.D (-1736) (-)

Ion 120.00 (119.70 to 120.70): VX013150.D (-1736) (-)

150000

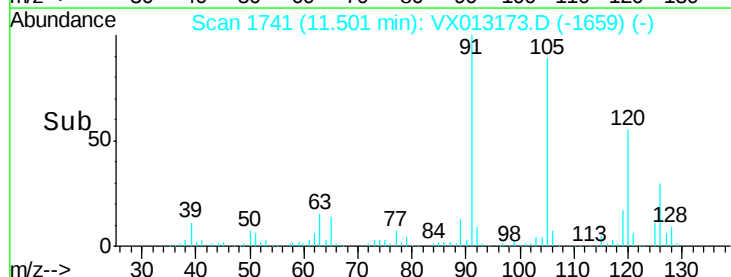
100000

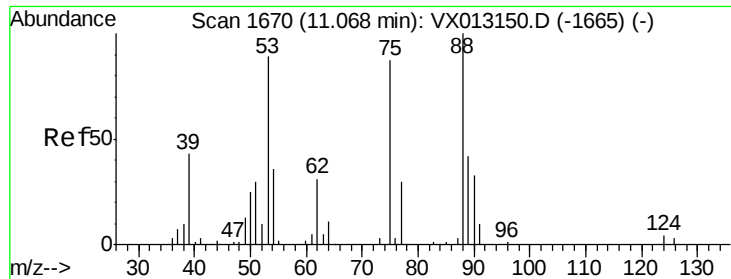
50000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 16.919 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

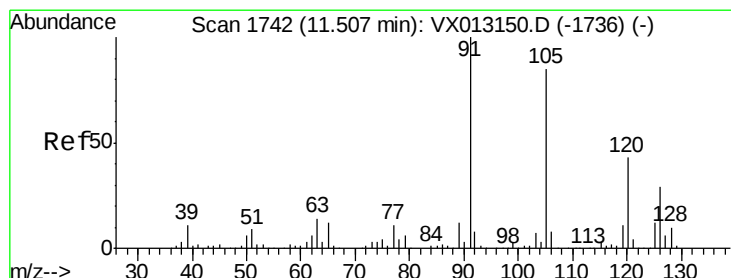
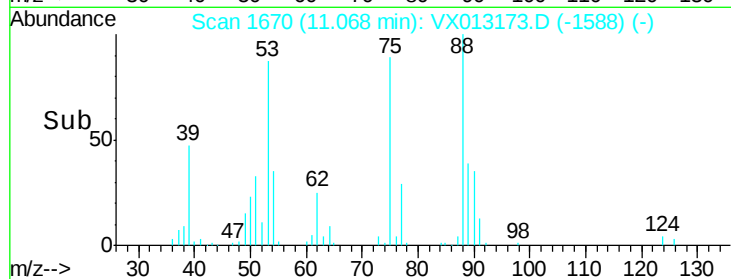
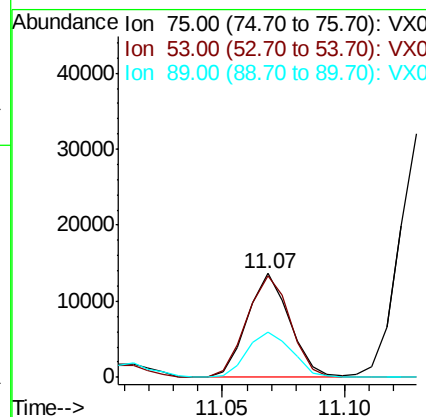
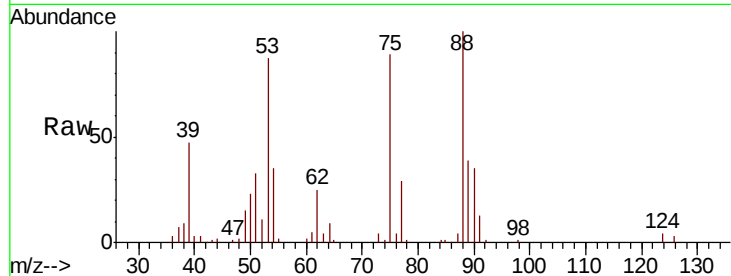
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	16427
Ion	Ratio	Lower	Upper
75	100		
53	98.3	51.1	153.4
89	44.2	24.1	72.4

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.718 ug/l

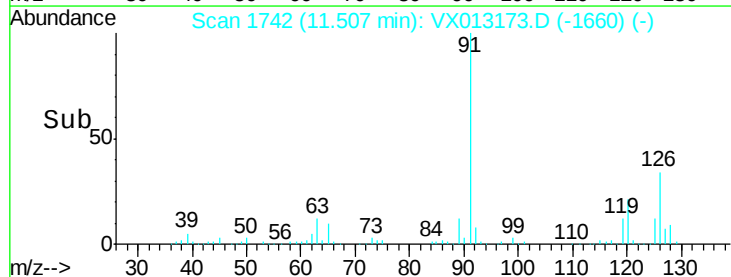
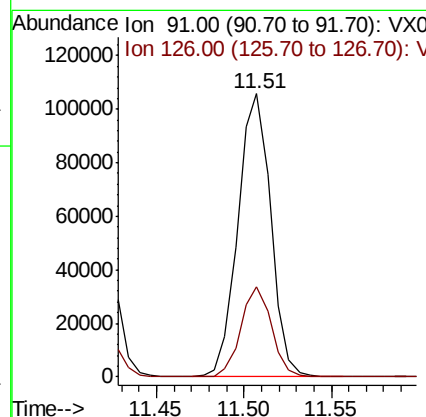
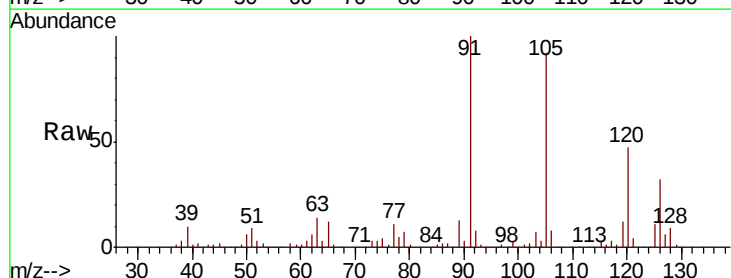
RT: 11.51 min Scan# 1742

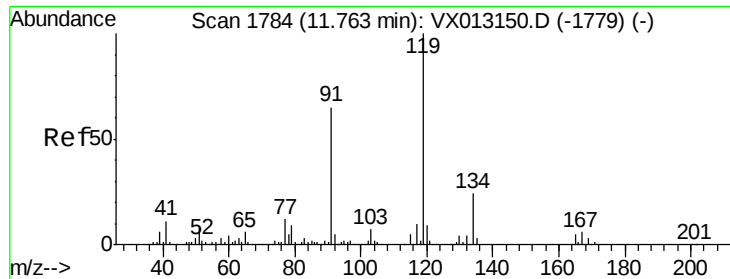
Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Tgt Ion:	91	Resp:	138013
Ion	Ratio	Lower	Upper
91	100		
126	29.6	0.0	58.4





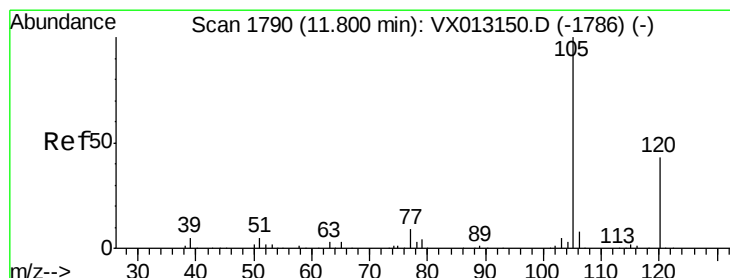
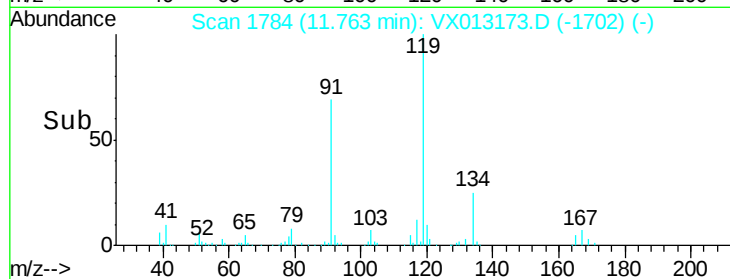
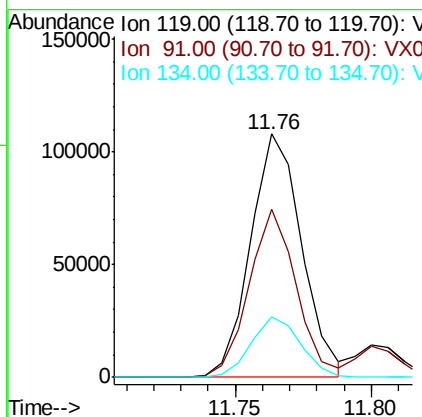
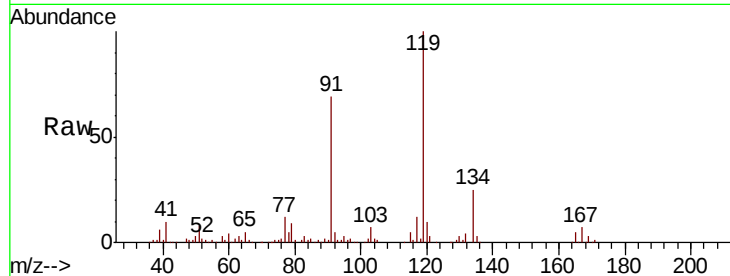
#79
tert-butylbenzene
Concen: 18.525 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140692		
91	63.8	0.0	128.4	
134	24.1	0.0	49.0	

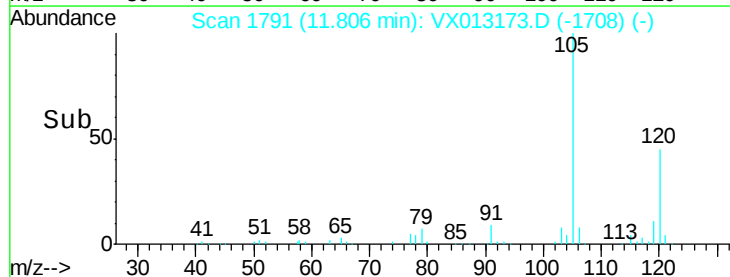
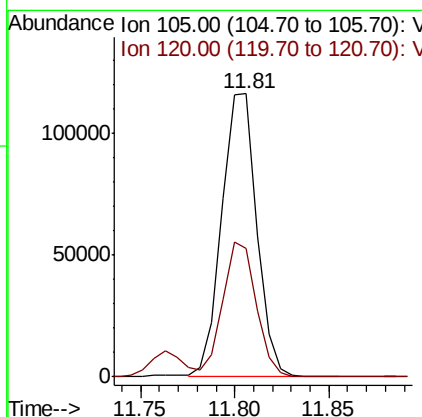
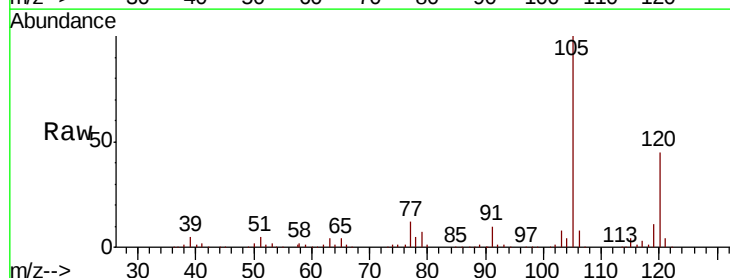
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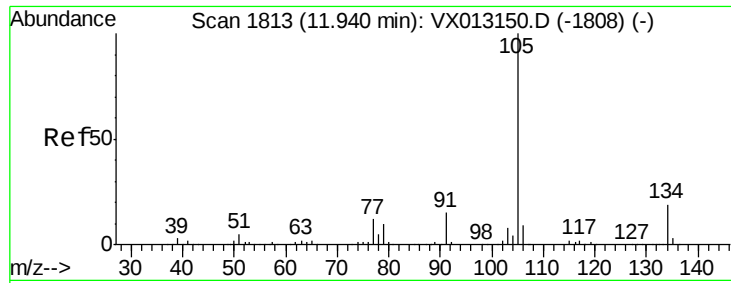
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.108 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	150554		
120	45.3	0.0	87.4	





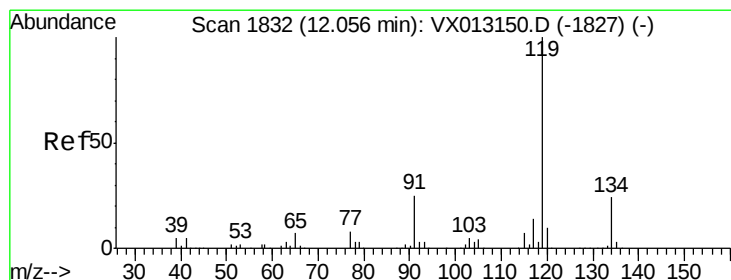
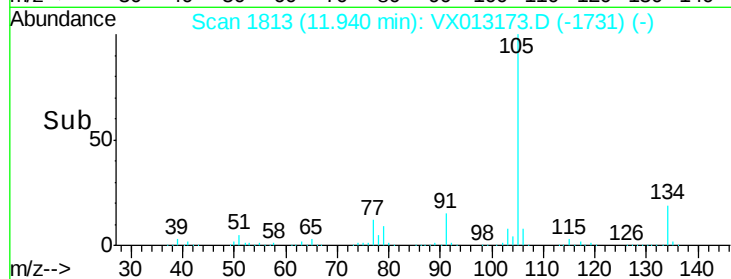
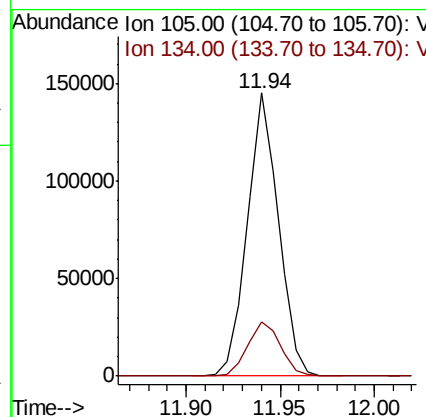
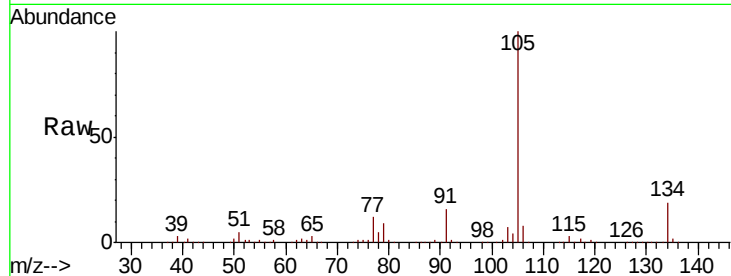
#81
 sec-Butylbenzene
 Concen: 18.455 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	39.2

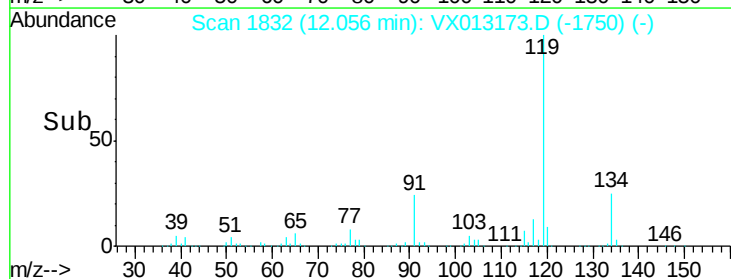
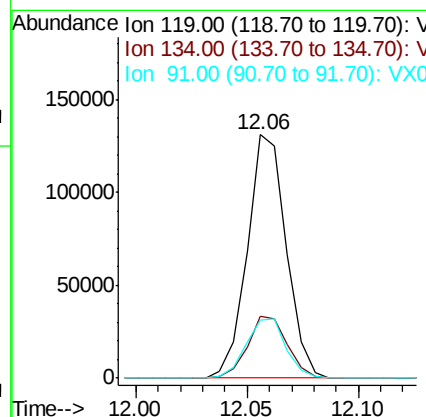
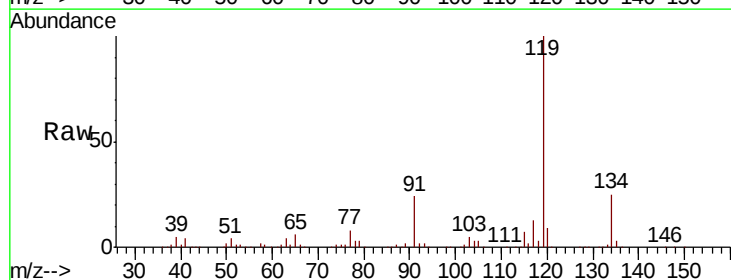
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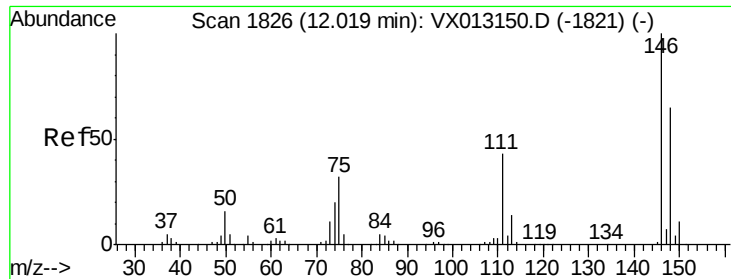
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 19.305 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. 0.00 min
 Lab File: VX013173.D
 Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	51.6
91	24.9	0.0	50.0





#83

1,3-Dichlorobenzene

Concen: 18.741 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

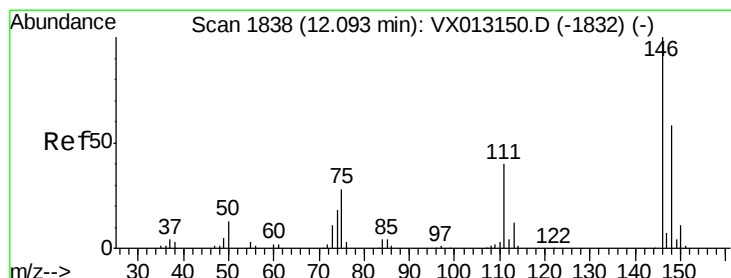
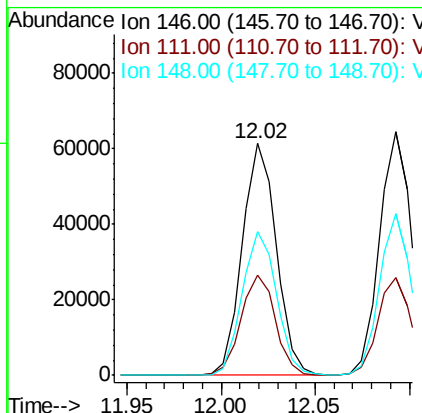
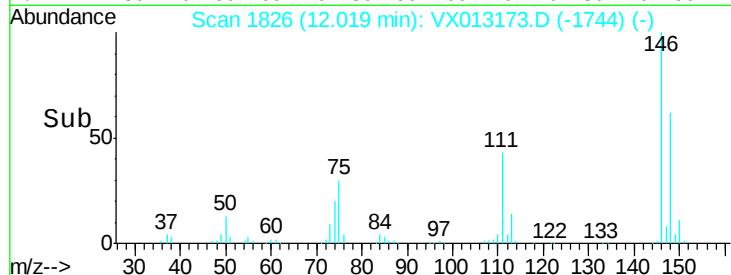
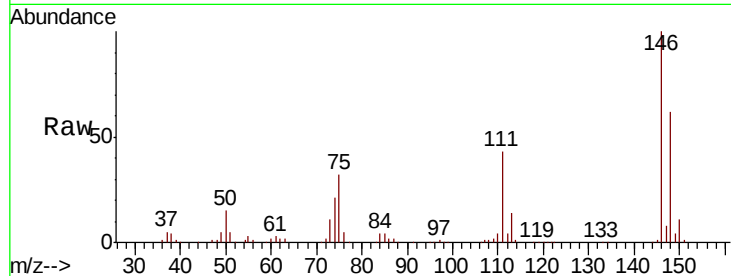
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	77171
Ion Ratio	Lower	Upper	
146	100		
111	43.4	21.8	65.4
148	62.9	31.2	93.6

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 19.015 ug/l

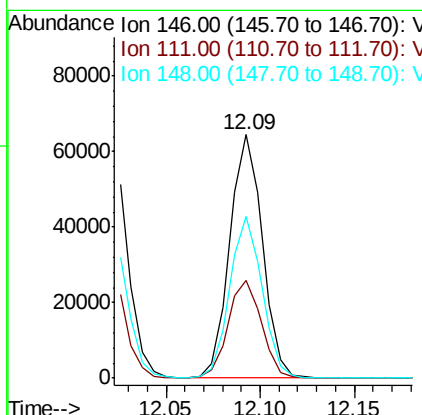
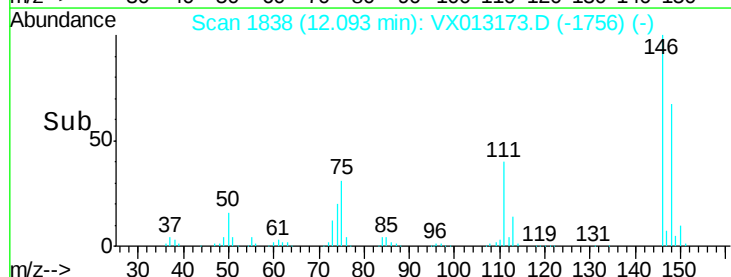
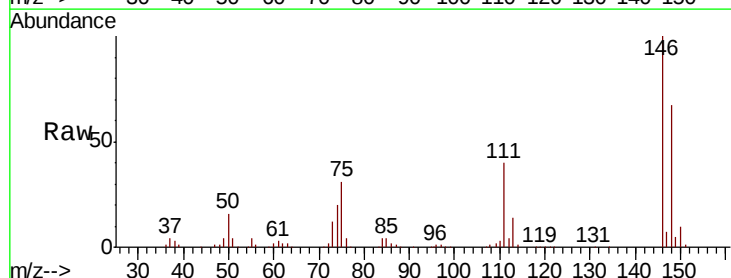
RT: 12.09 min Scan# 1838

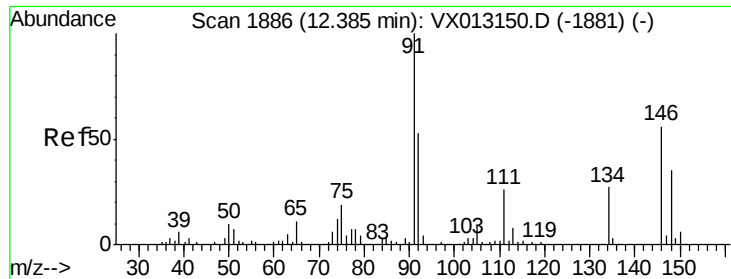
Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Tgt Ion:	146	Resp:	77437
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.3	60.9
148	66.1	31.4	94.2





#85

n-Butylbenzene

Concen: 18.516 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Instrument :

MSVOA_X

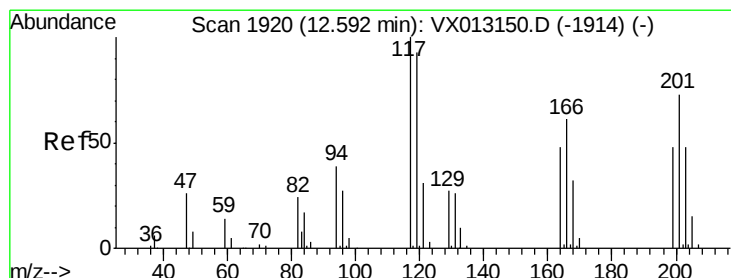
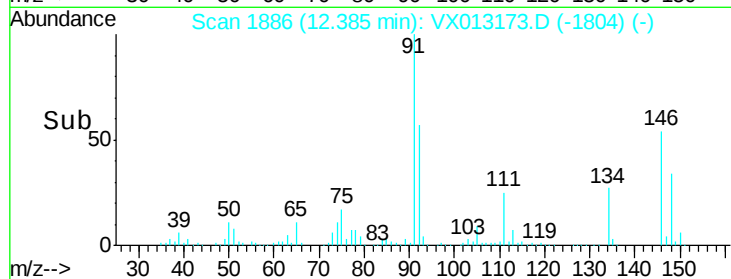
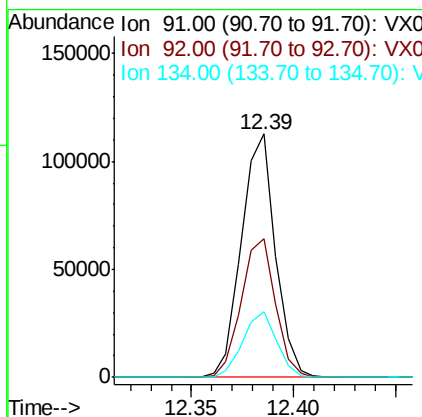
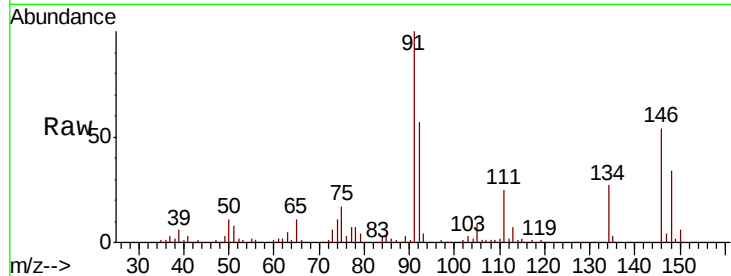
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	130107
Ion Ratio	Lower	Upper	
91	100		
92	57.1	0.0	106.8
134	27.0	0.0	52.4

Manual Integrations
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#86

Hexachloroethane

Concen: 17.748 ug/l

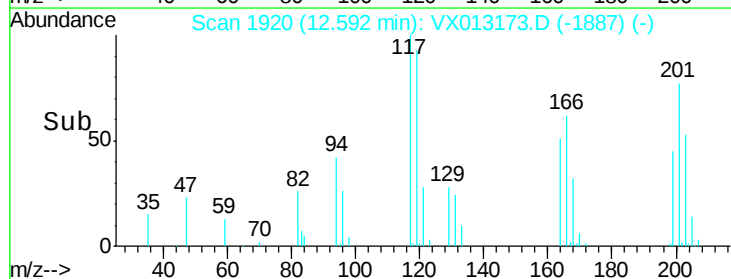
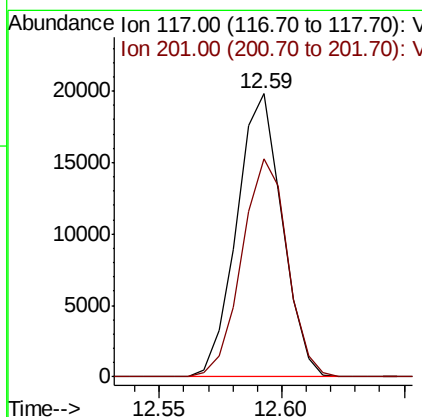
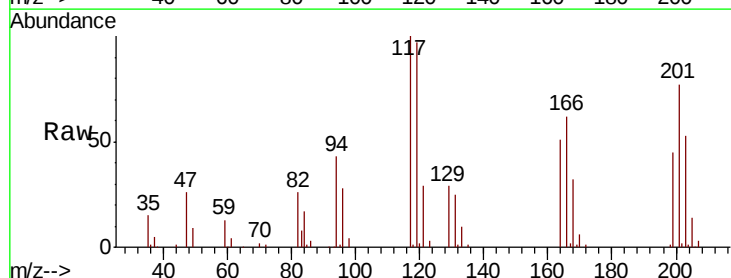
RT: 12.59 min Scan# 1920

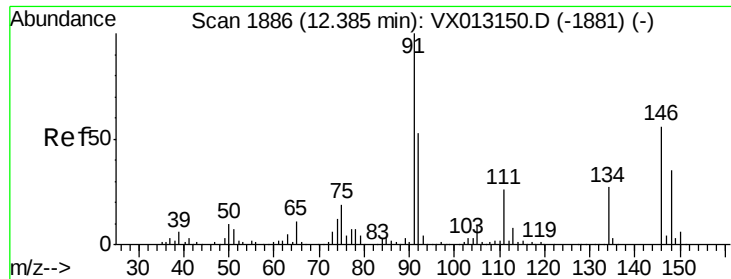
Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Tgt Ion:	117	Resp:	25625
Ion Ratio	Lower	Upper	
117	100		
201	77.4	35.9	107.5





#87

1,2-Dichlorobenzene

Concen: 18.727 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

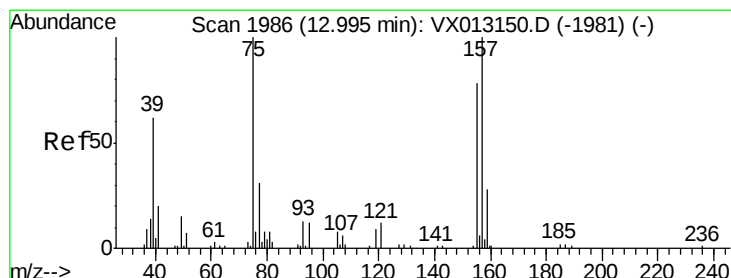
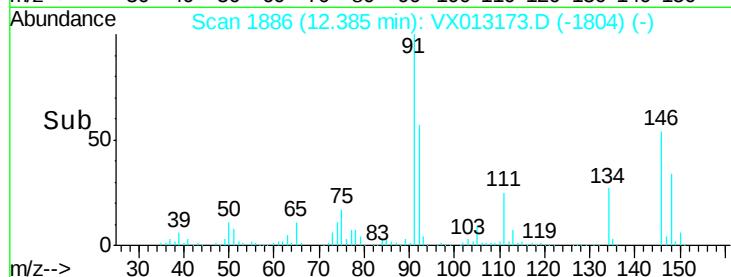
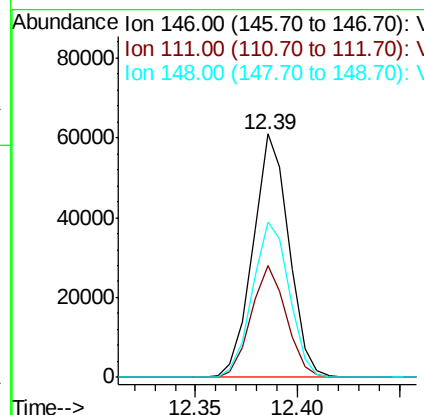
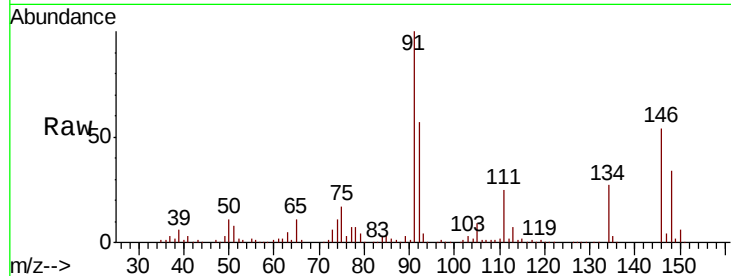
Instrument :
MSVOA_X

ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.5	67.5
148	65.1	31.4	94.2

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.417 ug/l

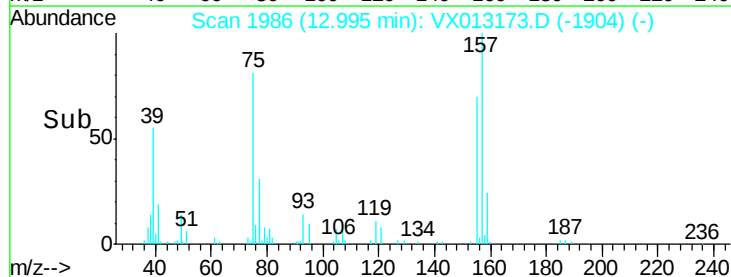
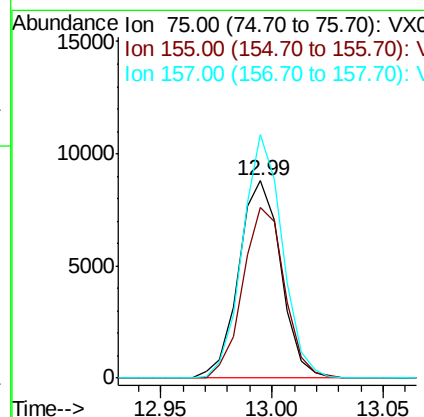
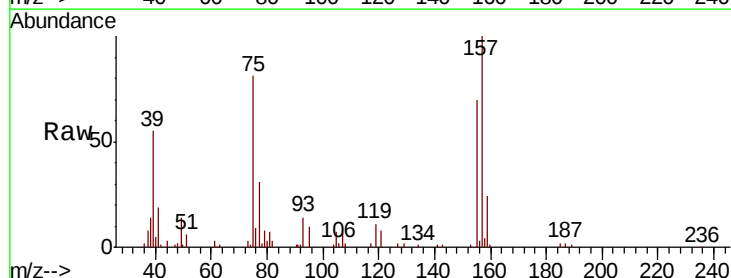
RT: 12.99 min Scan# 1986

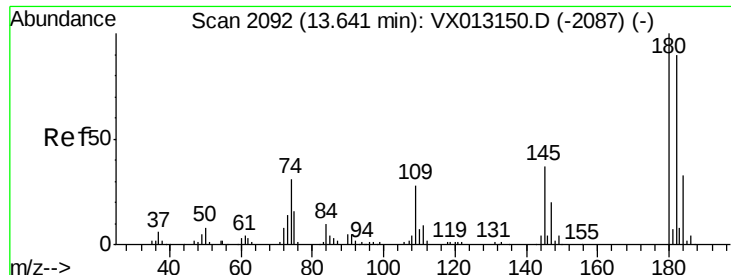
Delta R.T. 0.00 min

Lab File: VX013173.D

Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	65.4	98.0
157	116.1	84.1	126.1





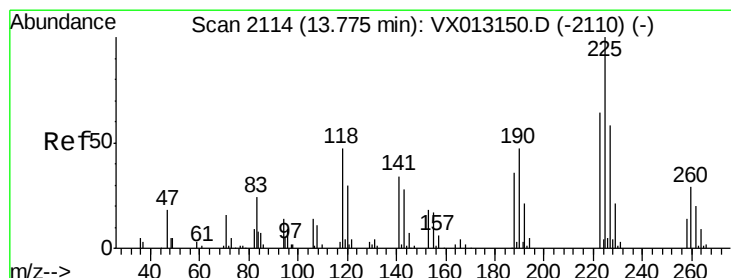
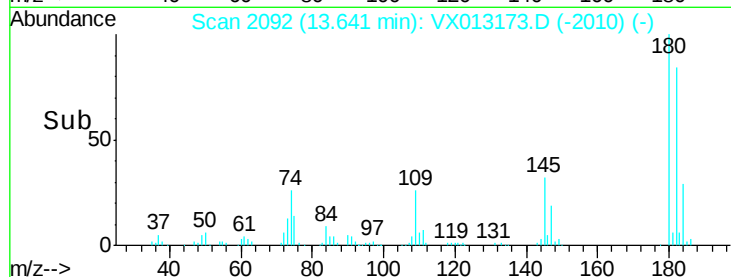
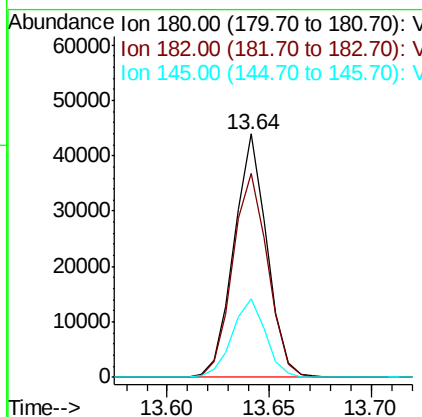
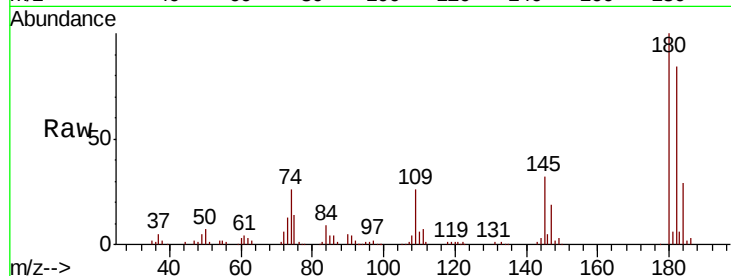
#89
1,2,4-Trichlorobenzene
Concen: 19.777 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.1	76.1	114.1
145	32.5	27.4	41.2

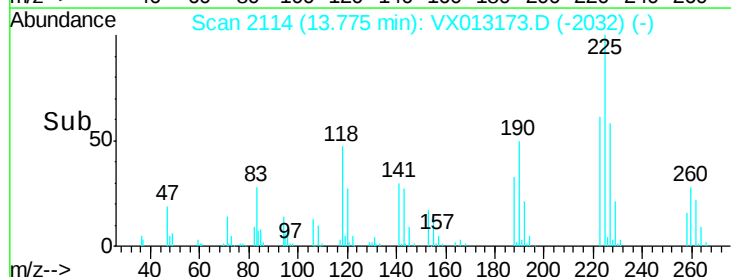
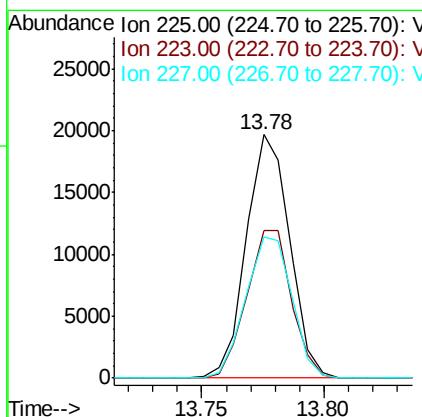
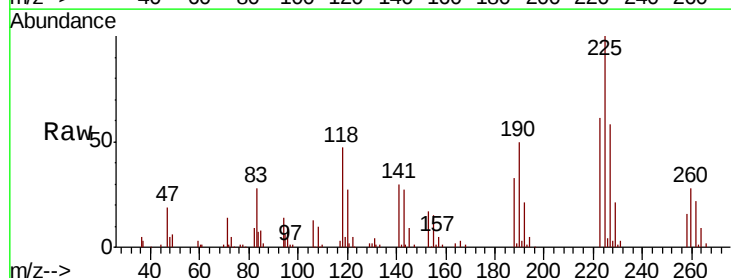
Manual Integrations
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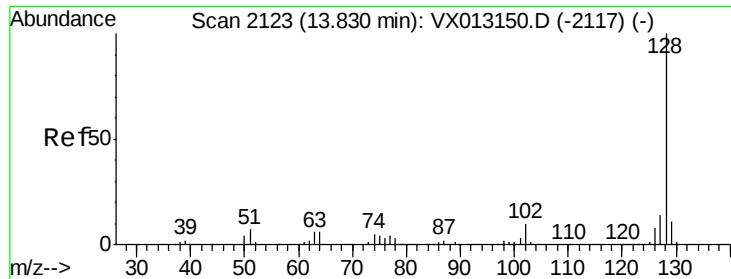
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#90
Hexachlorobutadiene
Concen: 19.324 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	131.2
227	61.8	0.0	127.0





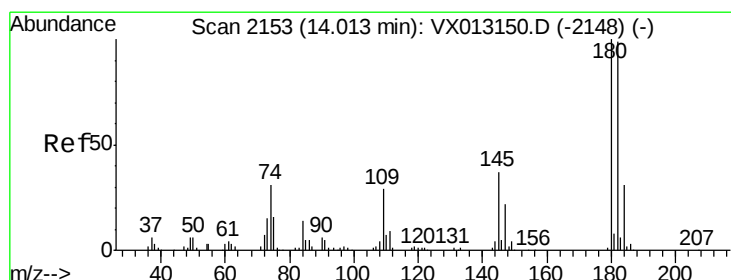
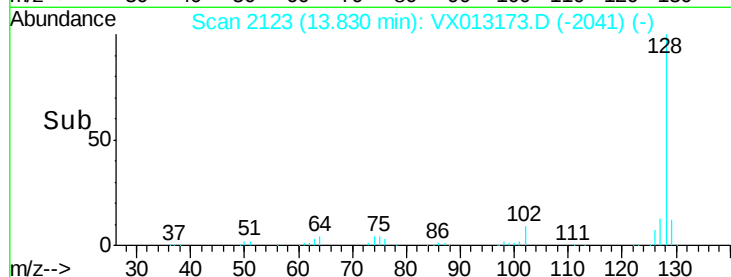
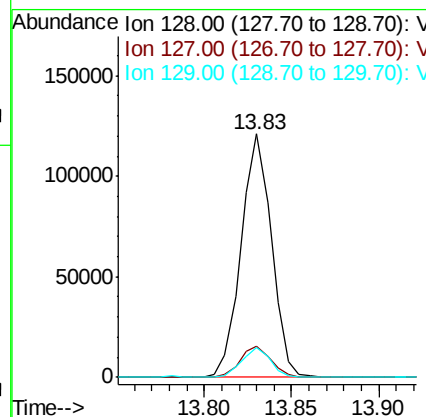
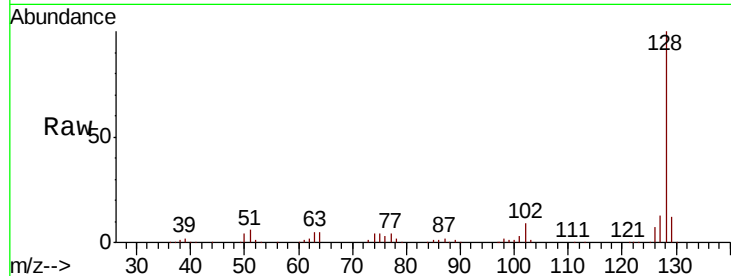
#91
Naphthalene
Concen: 18.123 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.7	8.6	12.8

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 18.528 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013173.D
Acq: 22 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.4	0.0	194.4
145	34.9	0.0	71.2

