

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013504.D
 Acq On : 21 Nov 2019 15:36
 Operator : JC/SP
 Sample : VX1121WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 8:44:21 AM

Quant Time: Nov 22 03:50:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	741112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1142630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1022311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	497325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	359111	40.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.80%	
35) Dibromofluoromethane	5.48	113	295269	41.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.40%	
50) Toluene-d8	8.71	98	1105709	40.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.86%	
62) 4-Bromofluorobenzene	11.14	95	394997	40.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	124026	14.524	ug/l	100
3) Chloromethane	1.32	50	140462	15.168	ug/l	96
4) Vinyl Chloride	1.40	62	166755	15.818	ug/l	97
5) Bromomethane	1.63	94	82010	11.163	ug/l	99
6) Chloroethane	1.72	64	99420	15.680	ug/l	97
7) Trichlorofluoromethane	1.92	101	190180	15.269	ug/l	98
8) Diethyl Ether	2.18	74	93934	17.055	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	118933	17.132	ug/l	99
10) Methyl Iodide	2.50	142	70285	8.178	ug/l	98
11) Tert butyl alcohol	3.03	59	193361	83.556	ug/l	99
12) 1,1-Dichloroethene	2.36	96	117398	17.269	ug/l	100
13) Acrolein	2.28	56	85213	67.942	ug/l	97
14) Allyl chloride	2.72	41	219637	17.782	ug/l	96
15) Acrylonitrile	3.13	53	395247	91.435	ug/l	100
16) Acetone	2.43	43	347931	79.448	ug/l	100
17) Carbon Disulfide	2.56	76	258826	14.225	ug/l	97
18) Methyl Acetate	2.76	43	235949	19.515	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	428458	18.897	ug/l	97
20) Methylene Chloride	2.85	84	140854	17.408	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	126594	17.103	ug/l	96
22) Diisopropyl ether	3.84	45	447653	18.772	ug/l	98
23) Vinyl Acetate	3.80	43	1837759	90.062	ug/l	100
24) 1,1-Dichloroethane	3.69	63	238813	17.902	ug/l	97
25) 2-Butanone	4.65	43	563042	87.639	ug/l	100
26) 2,2-Dichloropropane	4.58	77	192953	18.182	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	150905	18.200	ug/l	99
28) Bromochloromethane	5.00	49	66619	17.588	ug/l	96
29) Tetrahydrofuran	5.11	42	361952	91.423	ug/l	98
30) Chloroform	5.20	83	240509	18.258	ug/l	100
31) Cyclohexane	5.57	56	197790	16.477	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	199779	17.623	ug/l	99
36) 1,1-Dichloropropene	5.79	75	165831	16.917	ug/l	97
37) Ethyl Acetate	4.82	43	215559	17.797	ug/l	100
38) Carbon Tetrachloride	5.78	117	162443	16.947	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	201624	16.508	ug/l	95
40) Benzene	6.14	78	539765	17.677	ug/l	96
41) Methacrylonitrile	5.03	41	119434	17.592	ug/l	98
42) 1,2-Dichloroethane	6.18	62	192072	17.439	ug/l	98
43) Isopropyl Acetate	6.44	43	349446	18.527	ug/l	99
44) Trichloroethene	7.20	130	142771	16.987	ug/l	97
45) 1,2-Dichloropropane	7.51	63	140363	18.042	ug/l	99
46) Dibromomethane	7.65	93	92369	17.389	ug/l	97
47) Bromodichloromethane	7.89	83	180383	18.008	ug/l	96
48) Methyl methacrylate	7.76	41	171877	18.256	ug/l	99
49) 1,4-Dioxane	7.73	88	74016	343.277	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1121935	90.665	ug/l	99
52) Toluene	8.78	92	333950	17.646	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	197283	18.011	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	222218	18.137	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	142270	18.137	ug/l	98
56) Ethyl methacrylate	9.17	69	230724	18.254	ug/l	95
57) 1,3-Dichloropropane	9.37	76	241849	18.163	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	475553	88.666	ug/l	99
59) 2-Hexanone	9.48	43	861875	90.128	ug/l	99
60) Dibromochloromethane	9.58	129	145502	18.137	ug/l	98
61) 1,2-Dibromoethane	9.67	107	149991	18.007	ug/l	99
64) Tetrachloroethene	9.33	164	127046	17.360	ug/l	98
65) Chlorobenzene	10.14	112	363819	17.578	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	135746	17.863	ug/l	99
67) Ethyl Benzene	10.25	91	636762	17.826	ug/l	100
68) m/p-Xylenes	10.36	106	484310	35.850	ug/l	100
69) o-Xylene	10.70	106	240677	18.197	ug/l	98
70) Styrene	10.71	104	403267	18.240	ug/l	99
71) Bromoform	10.85	173	110665	17.902	ug/l #	100
73) Isopropylbenzene	11.01	105	637362	19.330	ug/l	99
74) N-amyl acetate	10.89	43	301273	19.703	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	231247	19.224	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	183656m	18.181	ug/l	
77) Bromobenzene	11.25	156	165926	18.876	ug/l	99
78) n-propylbenzene	11.35	91	705051	19.195	ug/l	100
79) 2-Chlorotoluene	11.42	91	421089	19.028	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	530389	19.311	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	68528	17.462	ug/l	98
82) 4-Chlorotoluene	11.51	91	482776	18.636	ug/l	99
83) tert-Butylbenzene	11.76	119	544502	19.694	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	541479	19.653	ug/l	99
85) sec-Butylbenzene	11.94	105	608268	19.143	ug/l	99
86) p-Isopropyltoluene	12.06	119	558369	19.083	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	287229	18.331	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	293675	18.396	ug/l	99
89) n-Butylbenzene	12.39	91	464570	18.196	ug/l	99
90) Hexachloroethane	12.59	117	97026	18.612	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	294580	18.808	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	50056	17.080	ug/l	99

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QLast Update : Sat Nov 02 07:06:38 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	199164	18.230	ug/l	100
94) Hexachlorobutadiene	13.78	225	91570	17.132	ug/l	97
95) Naphthalene	13.83	128	638403	18.624	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	203523	18.575	ug/l	98

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

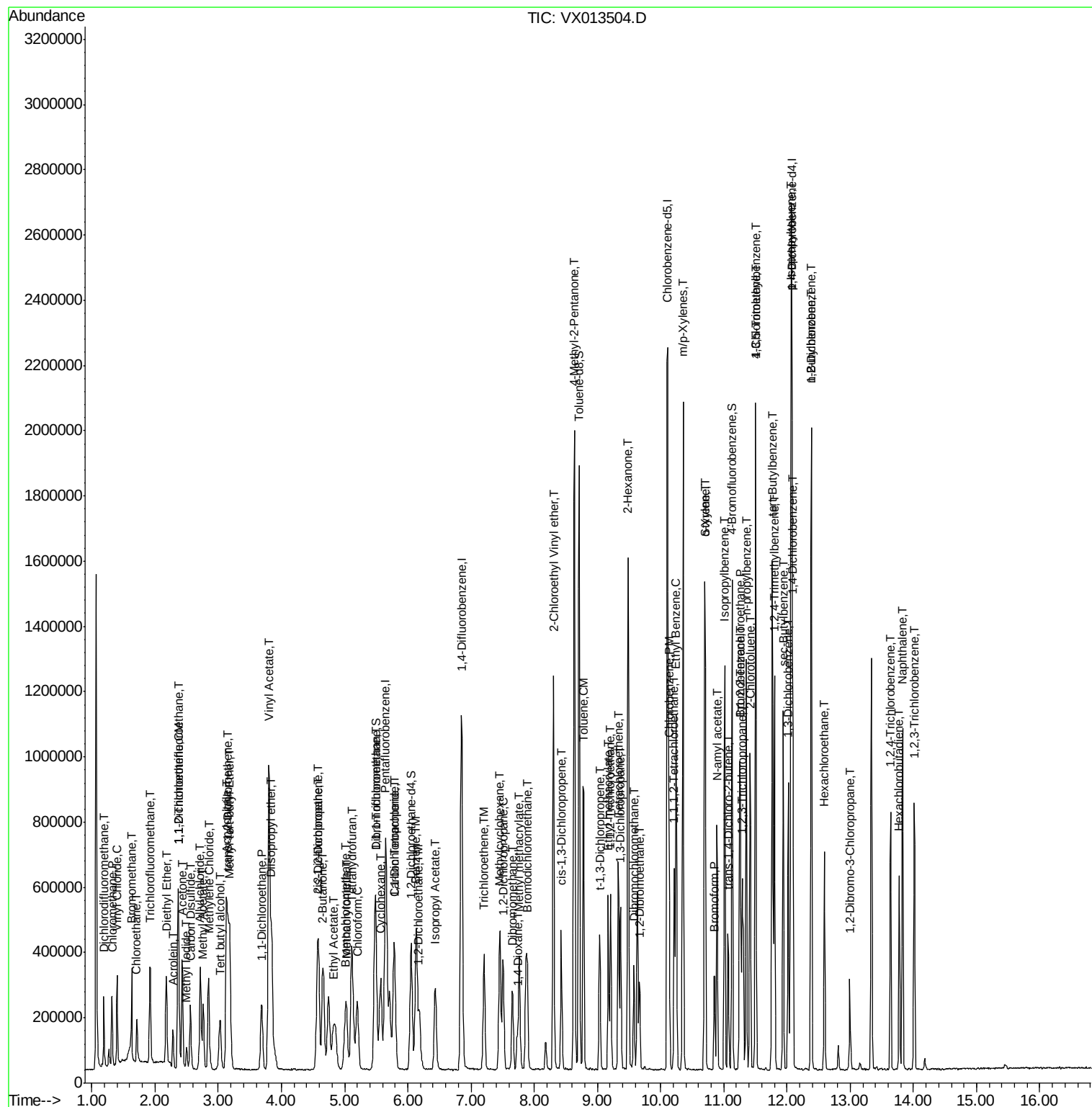
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112119\
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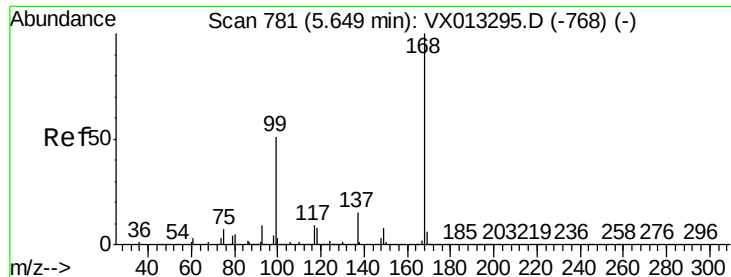
Instrument :
 MSVOA_X
 Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBS02

Tot Ion:168 Resp: 741112

Ion Ratio Lower Upper

168 100

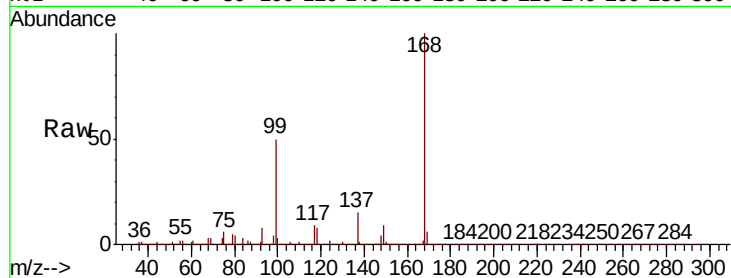
99 50.1 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

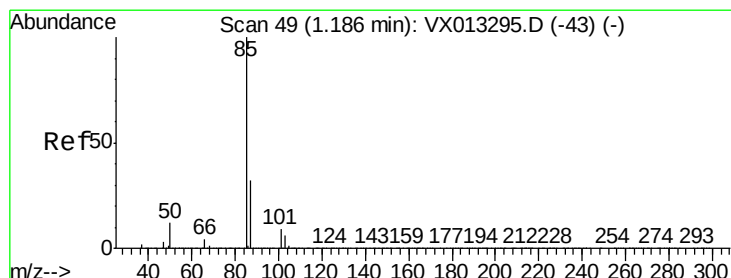
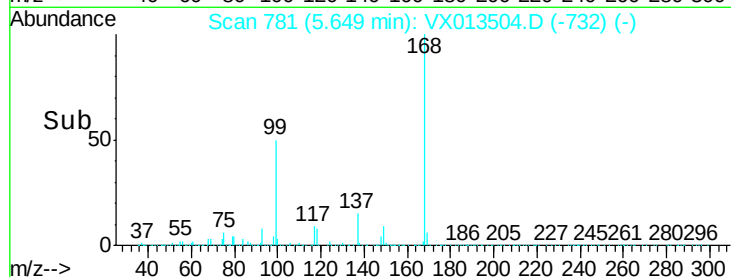
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 14.524 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013504.D

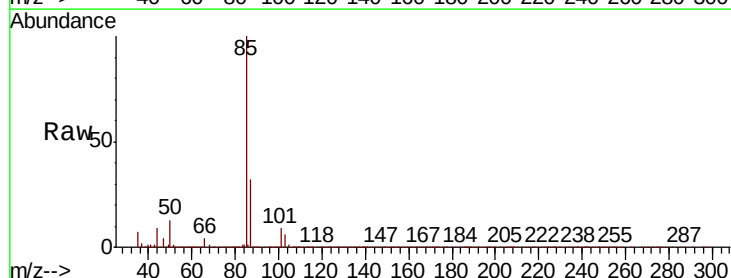
Acq: 21 Nov 2019 15:36

Tgt Ion: 85 Resp: 124026

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

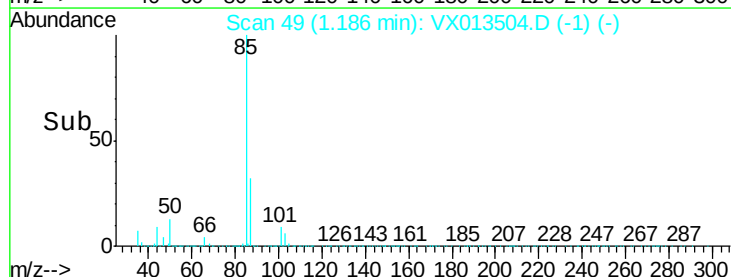
1.19

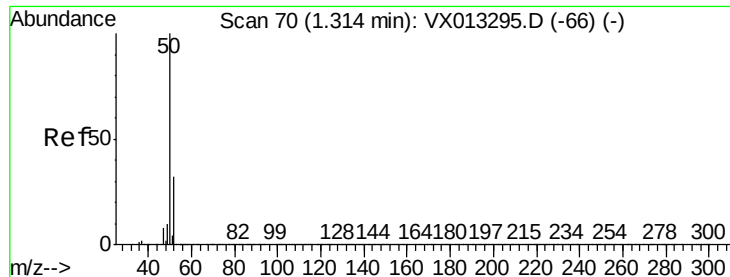
100000

50000

0

Time-->





#3

Chloromethane

Concen: 15.168 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBS02

Tot Ion: 50 Resp: 140462

Ion Ratio Lower Upper

50 100

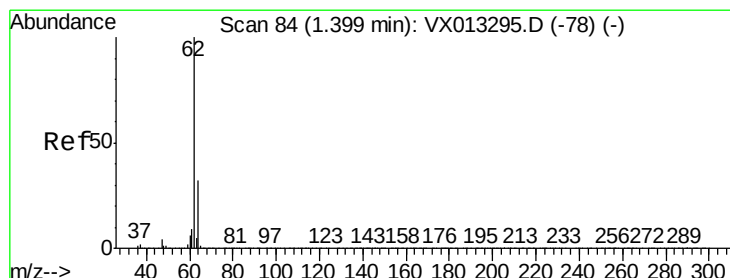
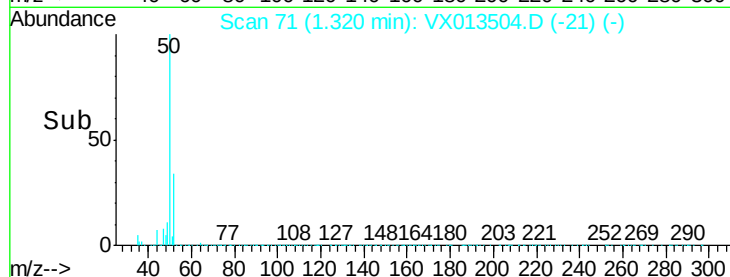
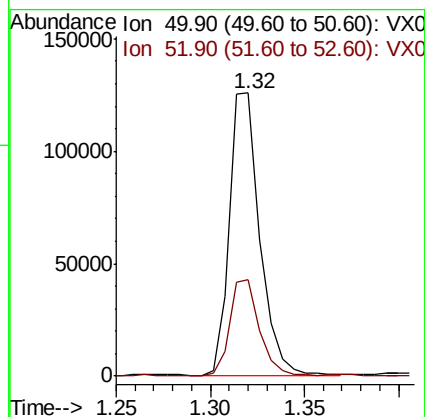
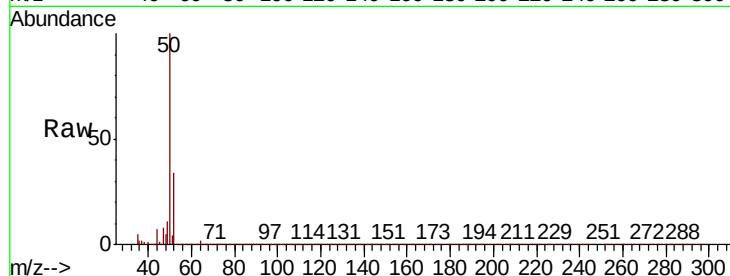
52 34.0 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.818 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013504.D

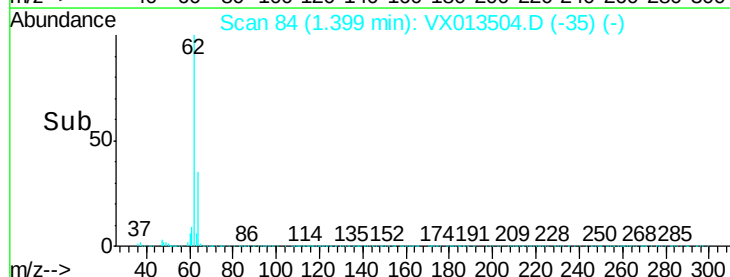
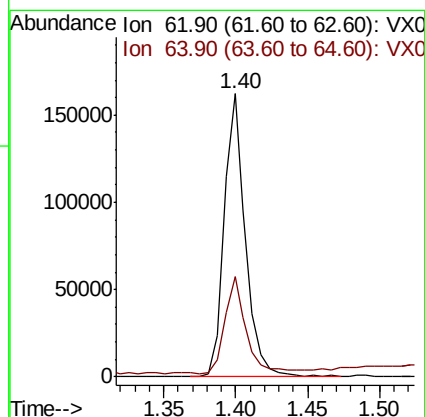
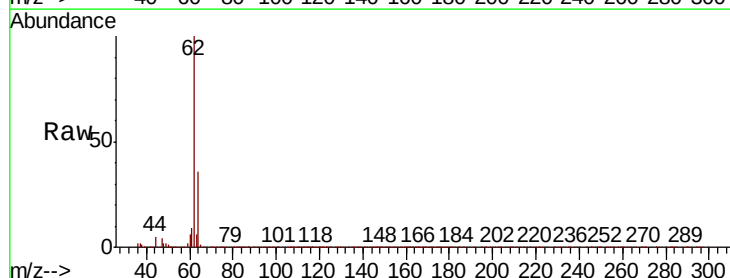
Acq: 21 Nov 2019 15:36

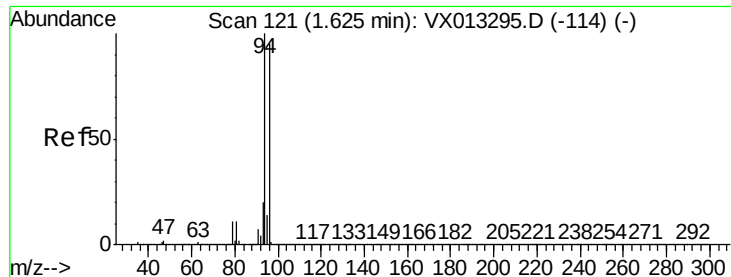
Tgt Ion: 62 Resp: 166755

Ion Ratio Lower Upper

62 100

64 33.9 25.6 38.4





#5

Bromomethane

Concen: 11.163 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

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ClientSampleId :

VX1121WBS02

Tot Ion: 94 Resp: 82010

Ion Ratio Lower Upper

94 100

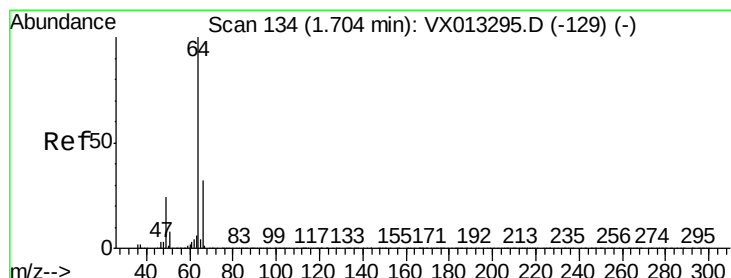
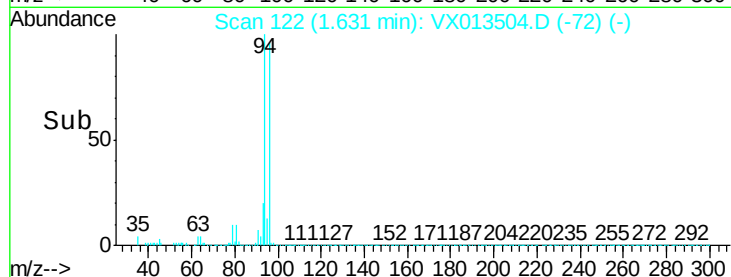
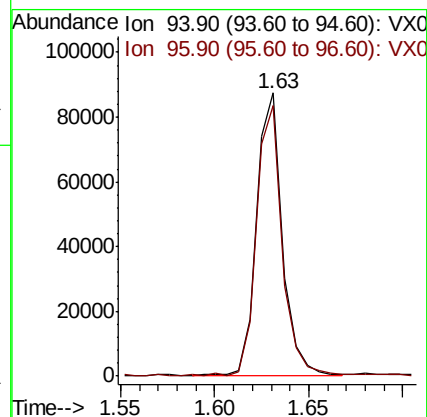
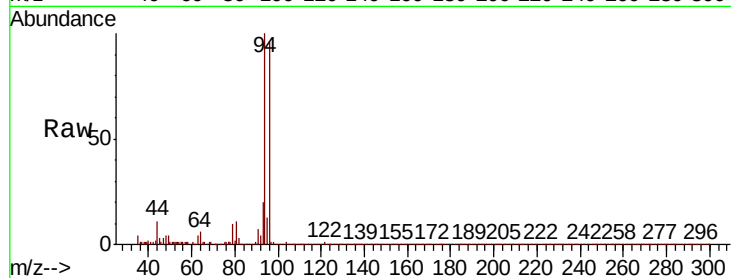
96 95.3 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 15.680 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013504.D

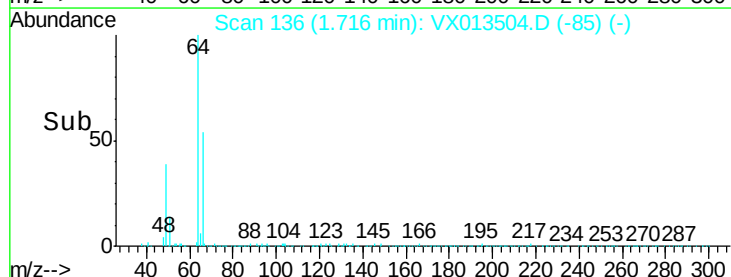
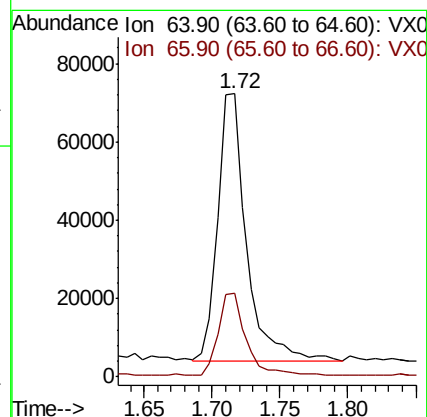
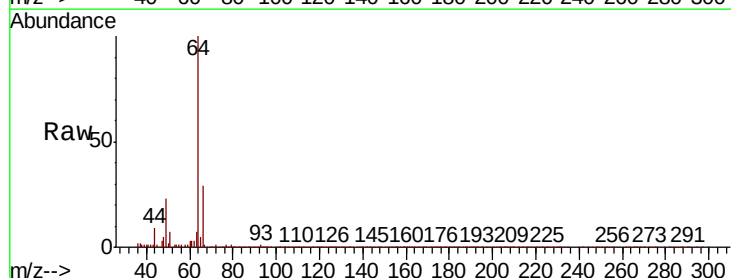
Acq: 21 Nov 2019 15:36

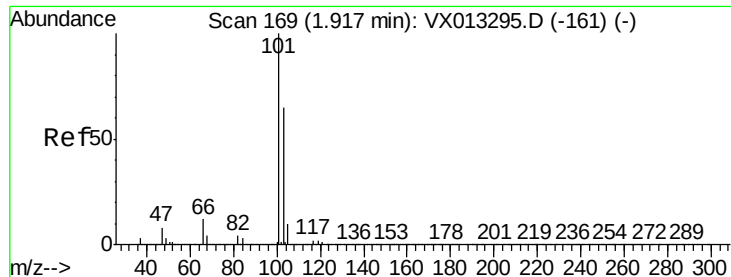
Tgt Ion: 64 Resp: 99420

Ion Ratio Lower Upper

64 100

66 30.4 25.6 38.4





#7

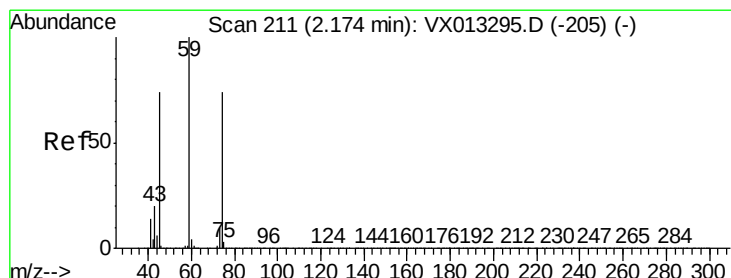
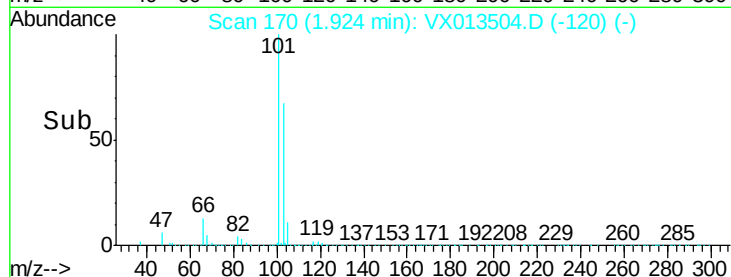
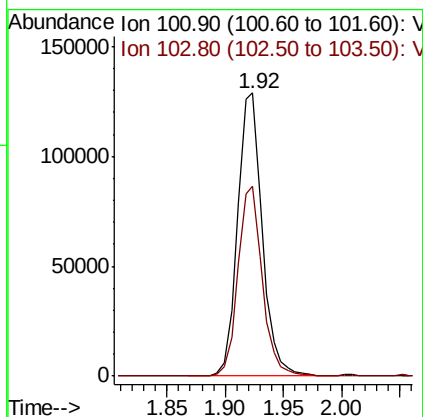
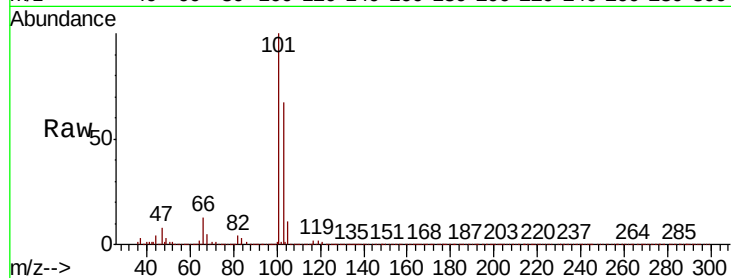
Trichlorofluoromethane
Concen: 15.269 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	190180		
103	66.9	52.3	78.5	

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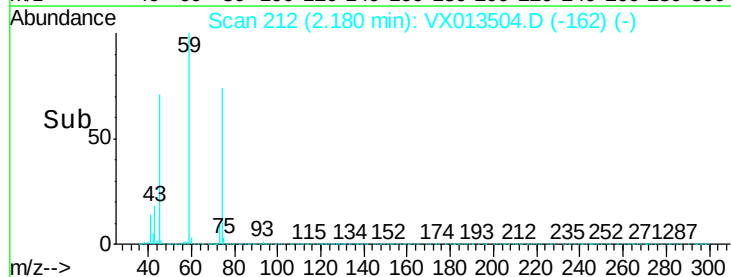
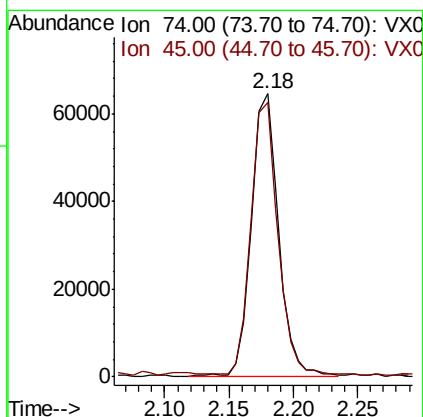
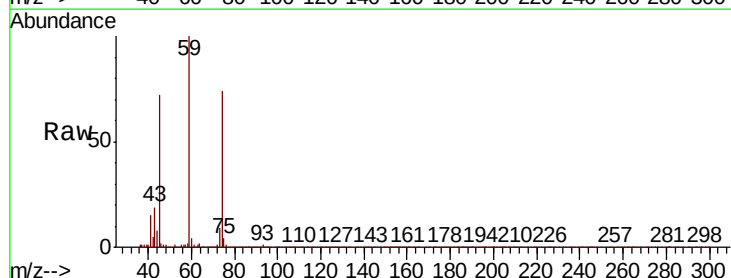
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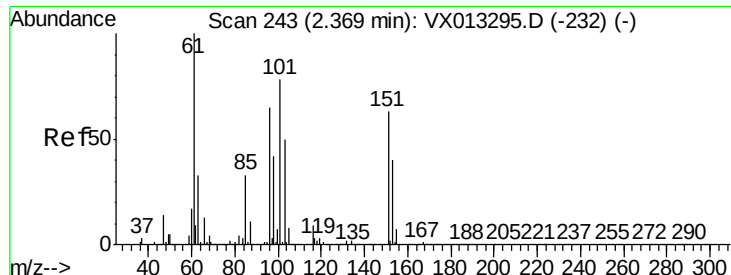


#8

Diethyl Ether
Concen: 17.055 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	93934		
45	95.5	48.5	145.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.132 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013504.D

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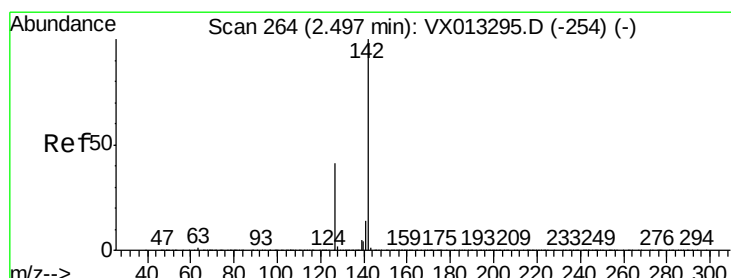
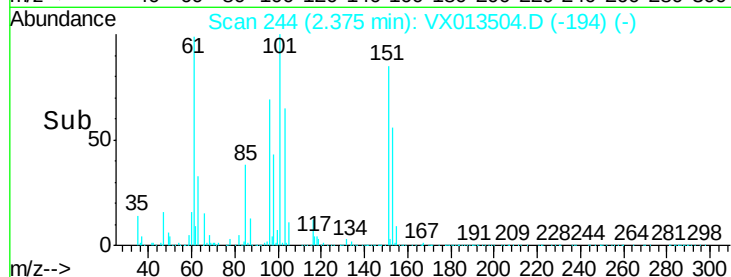
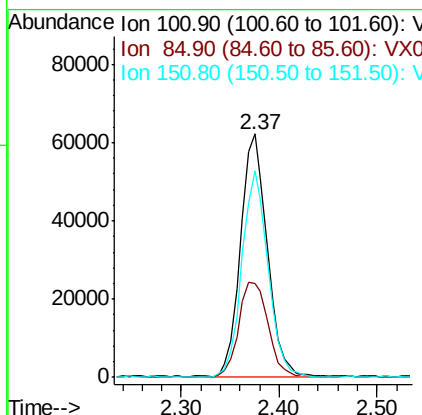
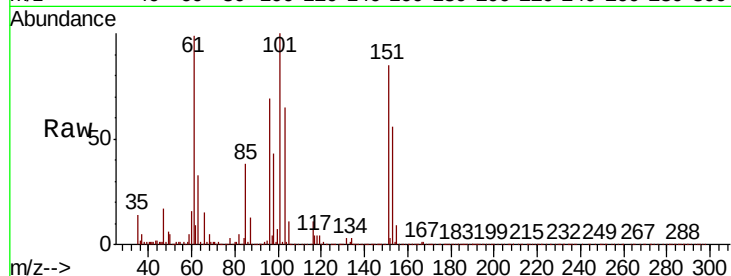
ClientSampleId :

VX1121WBS02

Tot Ion:	101	Resp:	118933
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.4	51.6
151	82.1	66.4	99.6

Manual Integrations
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#10

Methyl Iodide

Concen: 8.178 ug/l

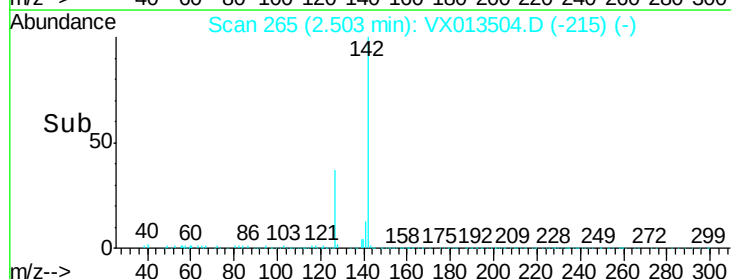
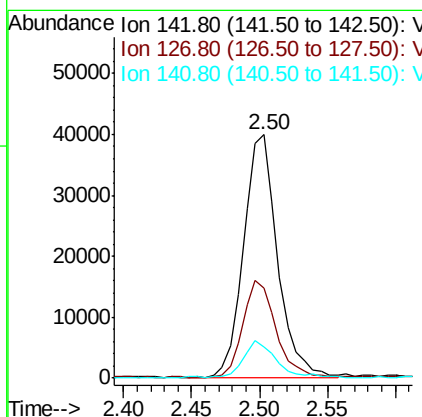
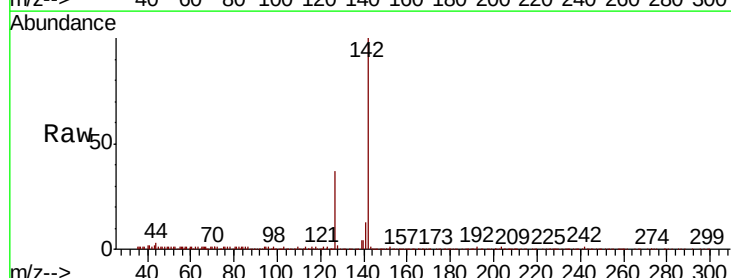
RT: 2.50 min Scan# 265

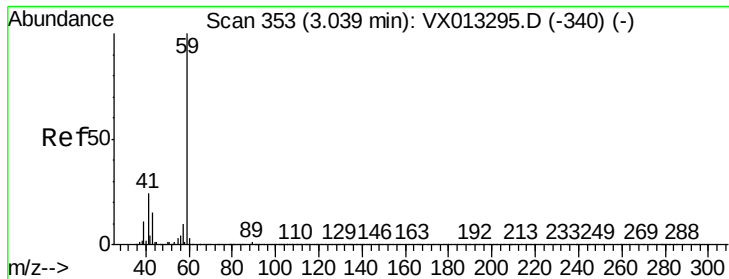
Delta R.T. 0.01 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Tgt Ion:	142	Resp:	70285
Ion Ratio	Lower	Upper	
142	100		
127	39.1	32.6	49.0
141	15.2	11.6	17.4





#11

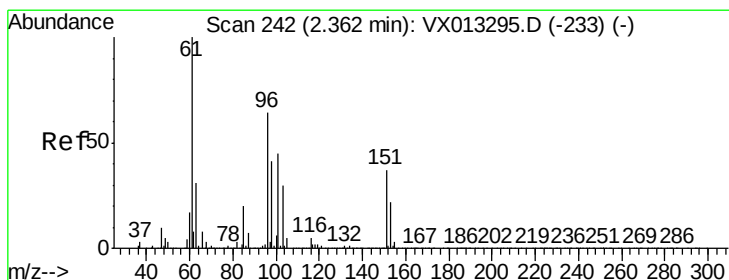
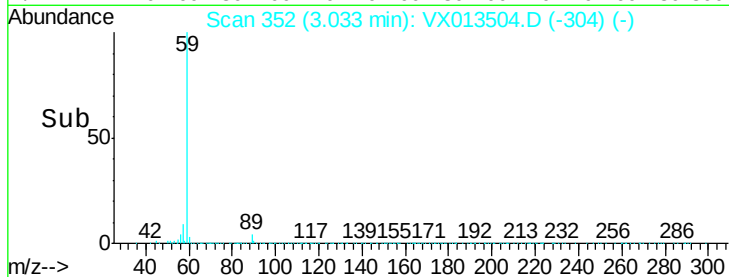
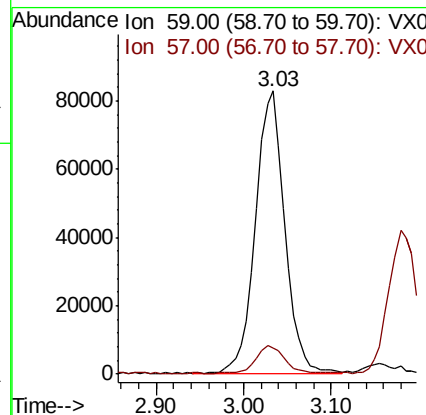
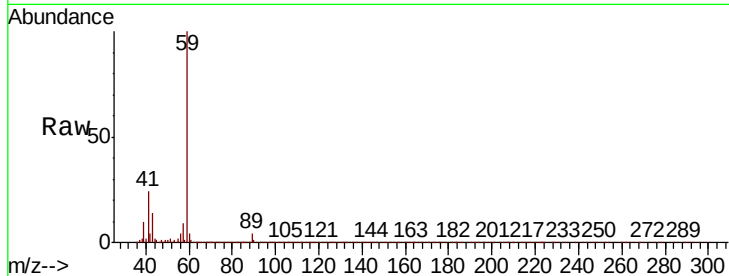
Tert butyl alcohol
Concen: 83.556 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.0	12.0

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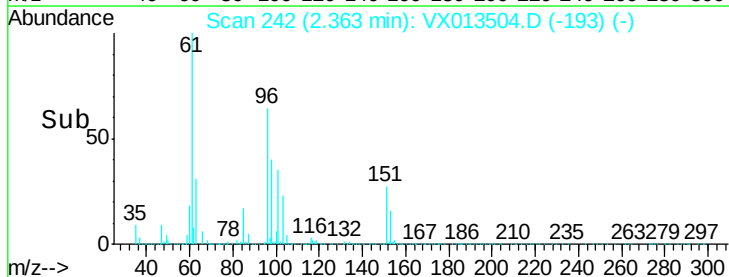
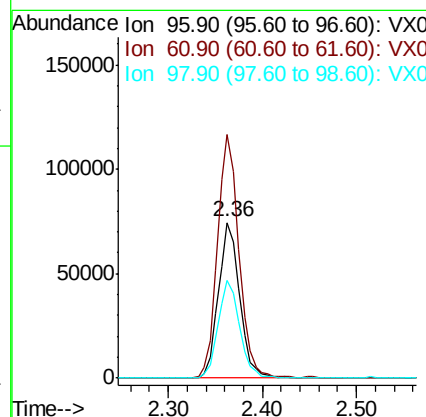
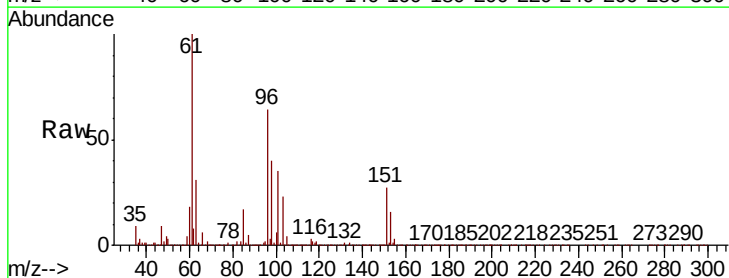
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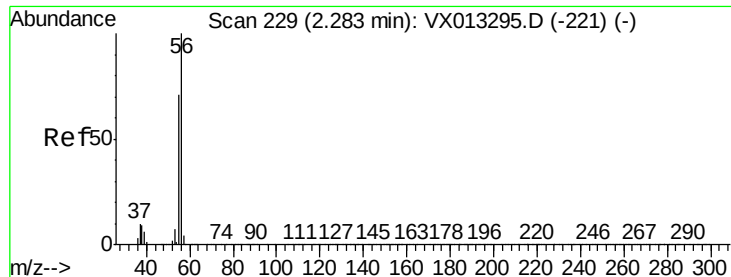


#12

1,1-Dichloroethene
Concen: 17.269 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.4	125.0	187.6
98	62.4	50.7	76.1





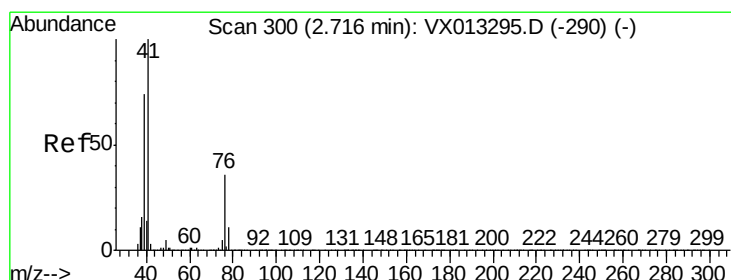
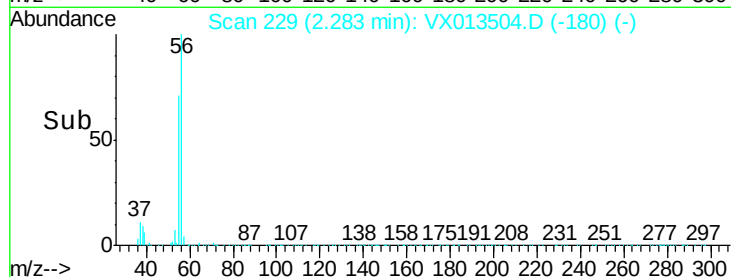
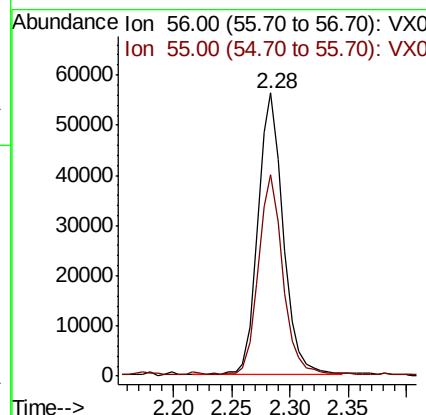
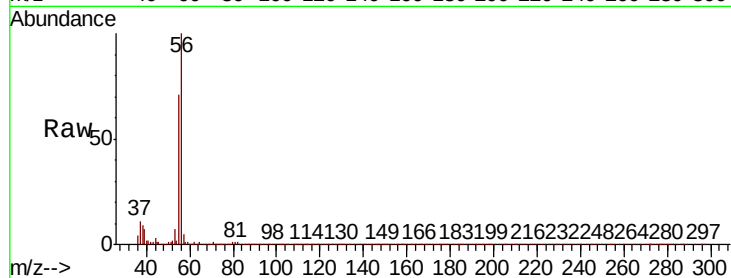
#13
Acrolein
Concen: 67.942 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	56	55	Ratio	Lower	Upper
85213	100	69.3		57.4	86.0

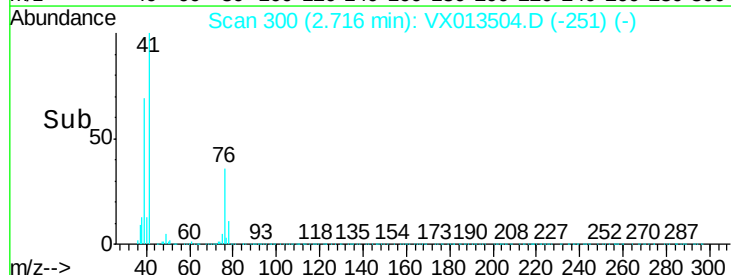
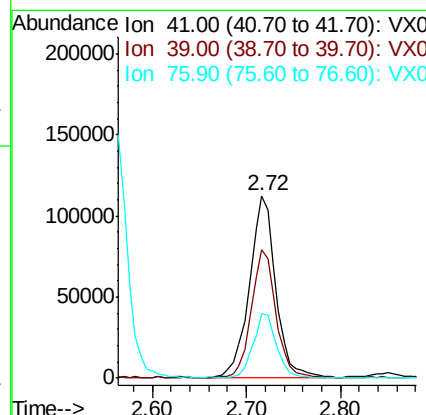
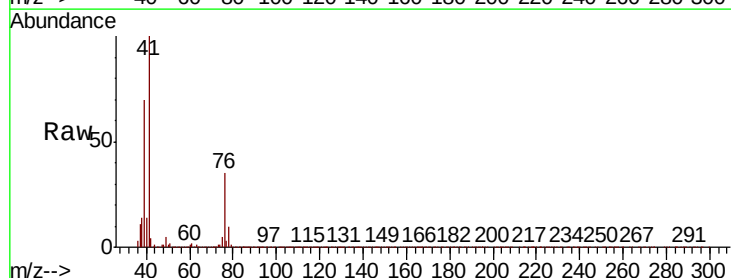
Manual Integrations
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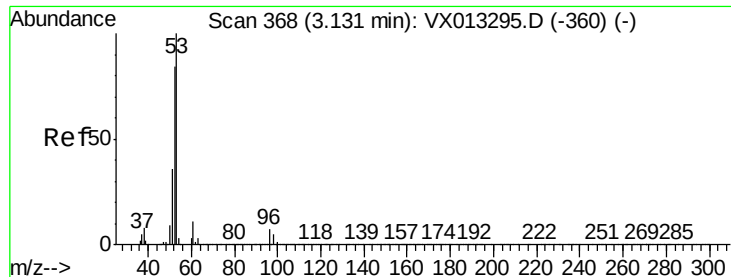
MMDadoda
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#14
Allyl chloride
Concen: 17.782 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	41	39	76	Ratio	Lower	Upper
219637	100	65.6	31.2		55.8	83.8





#15

Acrylonitrile

Concen: 91.435 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

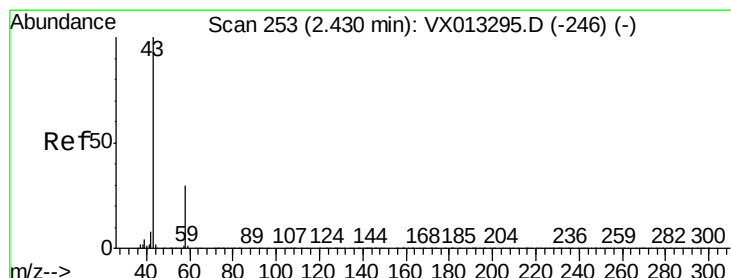
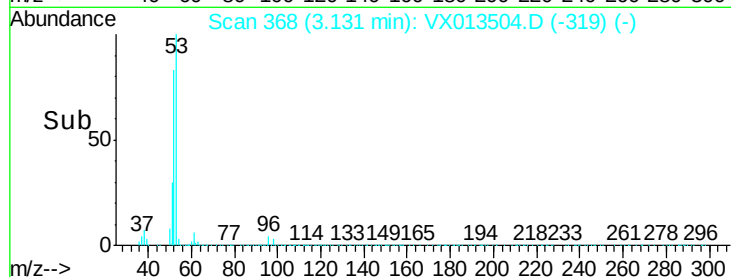
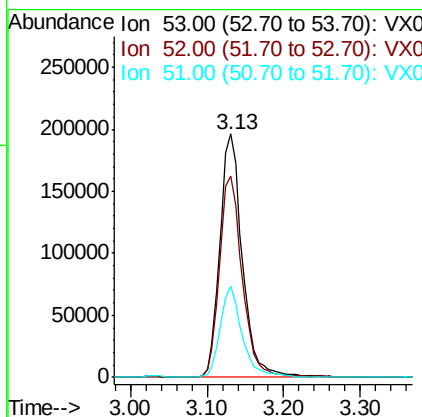
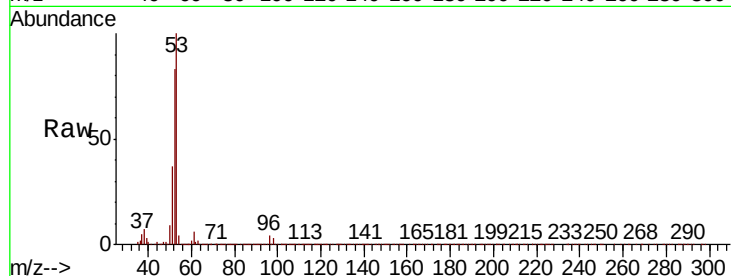
ClientSampleId :

VX1121WBS02

Tot Ion:	53	Resp:	395247
Ion Ratio	Lower	Upper	
53	100		
52	84.0	67.4	101.0
51	36.5	29.4	44.2

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#16

Acetone

Concen: 79.448 ug/l

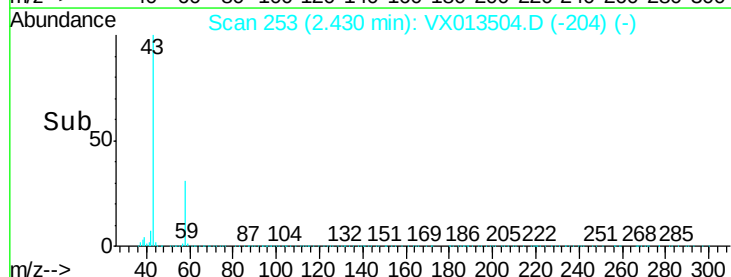
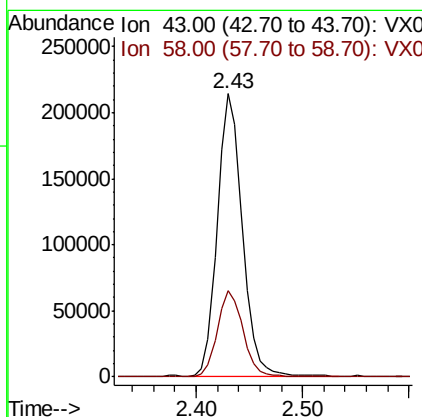
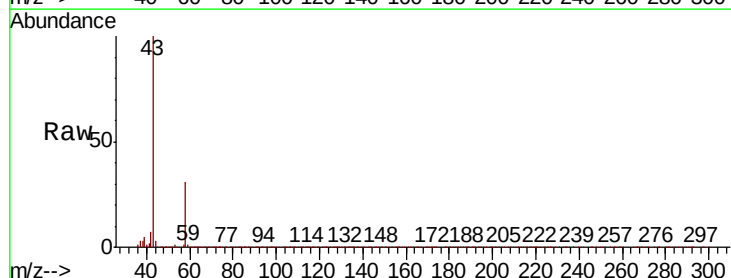
RT: 2.43 min Scan# 253

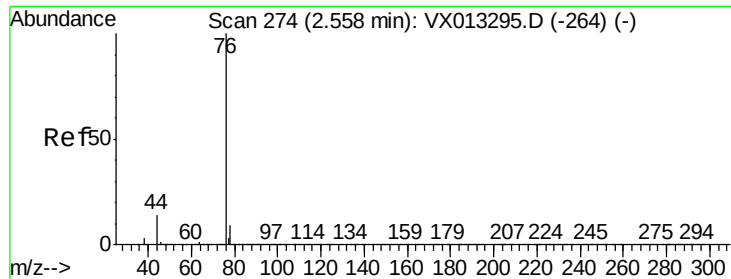
Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Tgt Ion:	43	Resp:	347931
Ion Ratio	Lower	Upper	
43	100		
58	30.5	24.3	36.5





#17

Carbon Disulfide

Concen: 14.225 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBS02

Tot Ion: 76 Resp: 258826

Ion Ratio Lower Upper

76 100

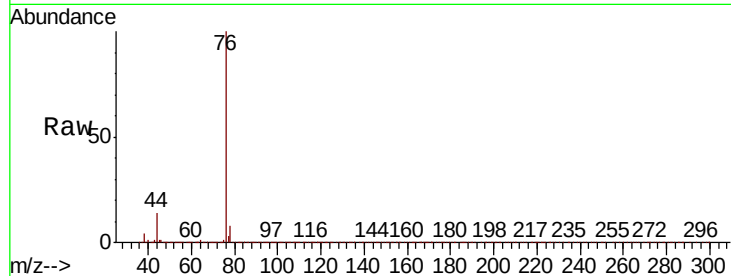
78 7.6 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

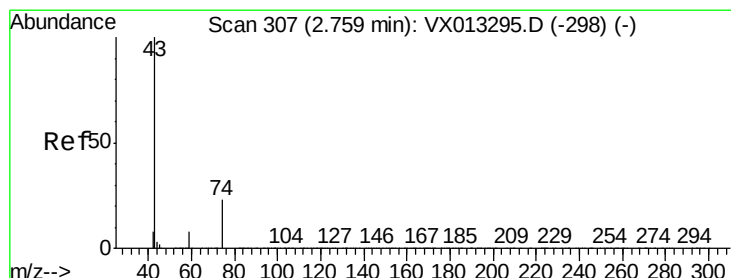
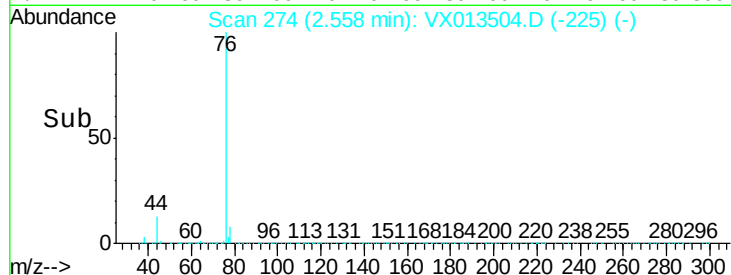
2.56

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.515 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013504.D

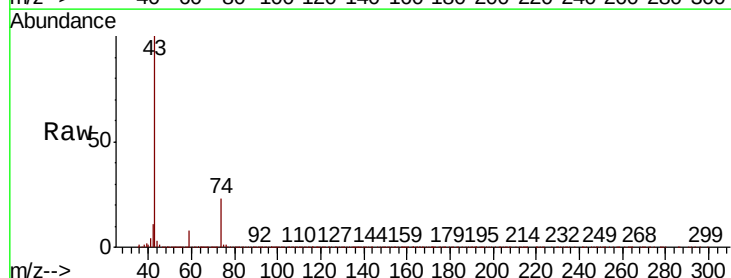
Acq: 21 Nov 2019 15:36

Tgt Ion: 43 Resp: 235949

Ion Ratio Lower Upper

43 100

74 23.8 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

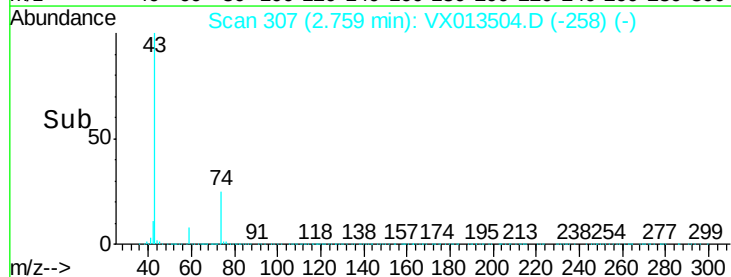
2.76

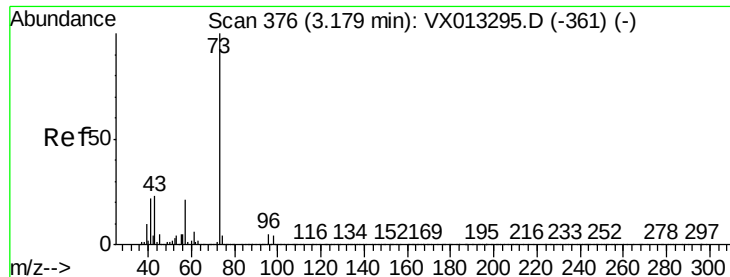
100000

50000

0

Time-->





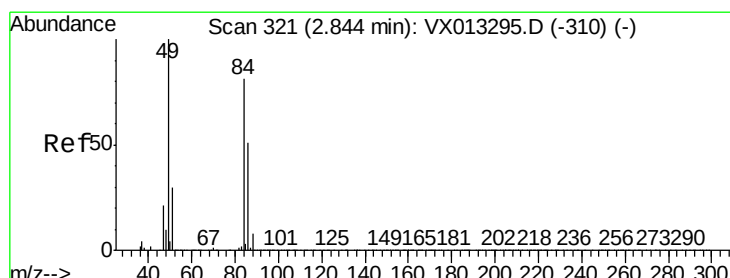
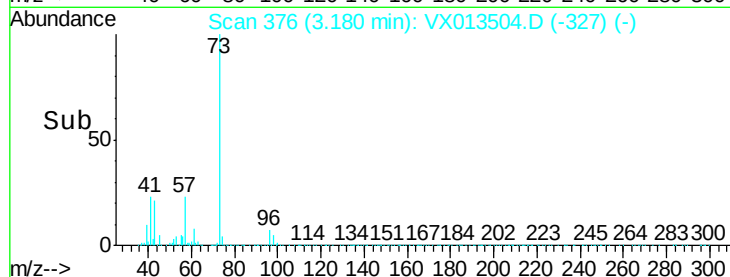
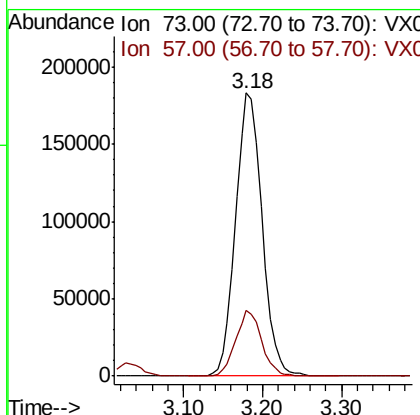
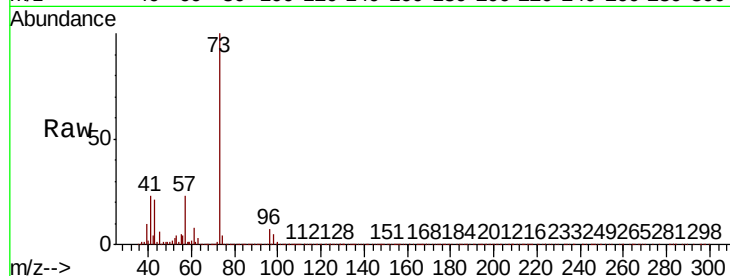
#19
Methyl tert-butyl Ether
Concen: 18.897 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.1	25.7

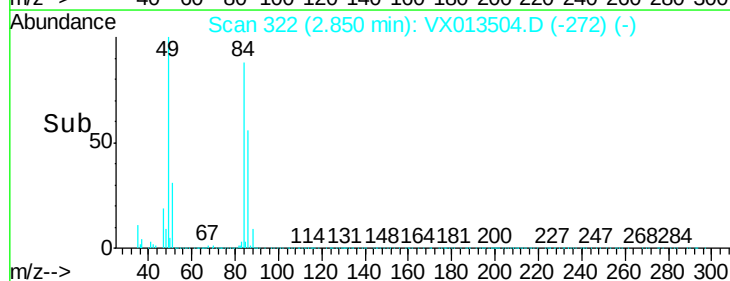
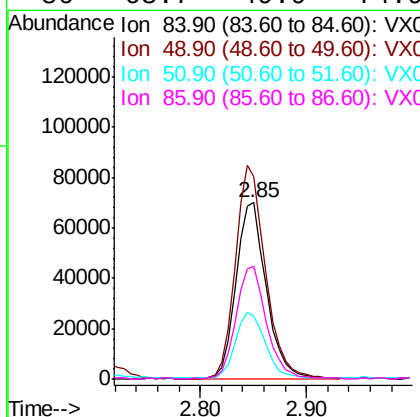
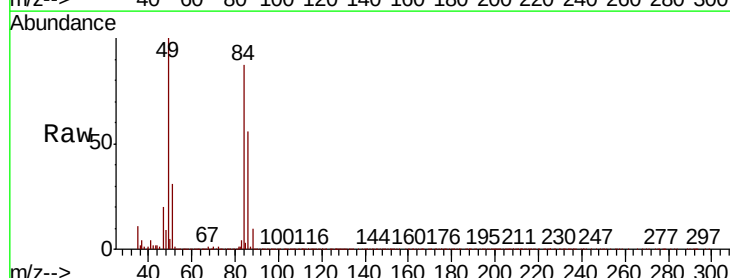
Manual Integrations
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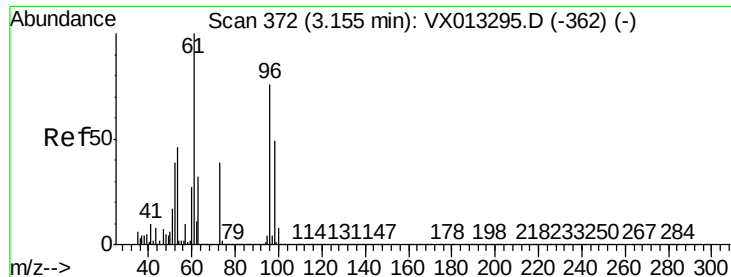
MMDadoda
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#20
Methylene Chloride
Concen: 17.408 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.2	98.2	147.4
51	35.1	29.9	44.9
86	63.7	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 17.103 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

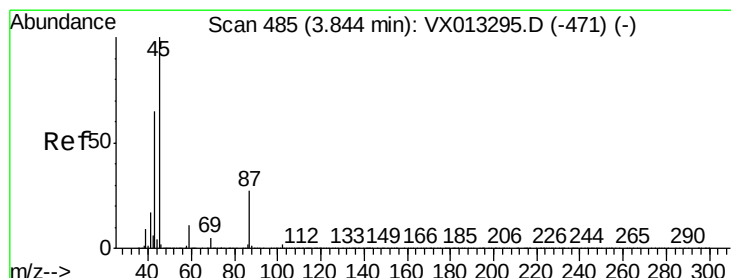
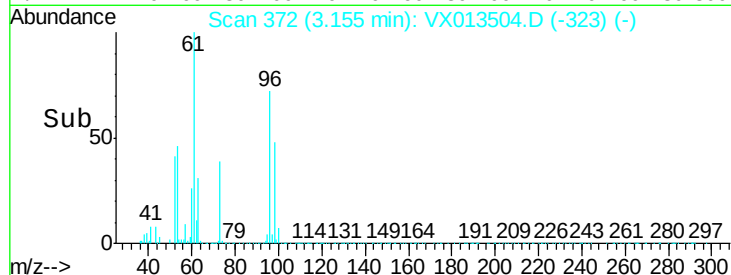
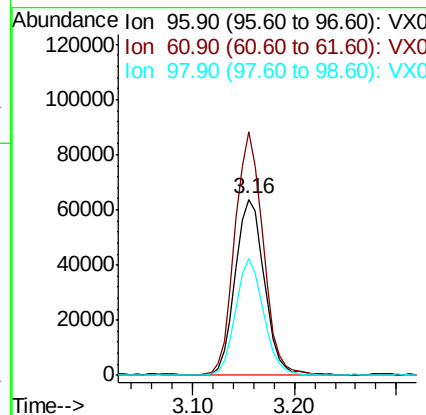
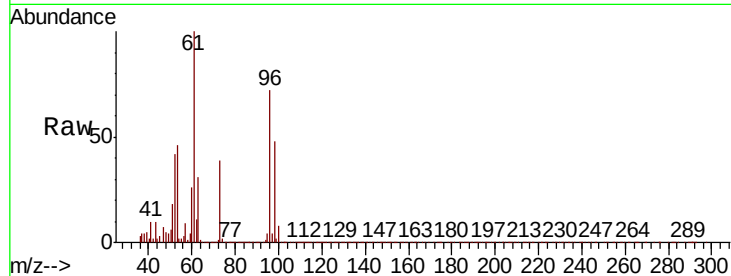
ClientSampleId :

VX1121WBS02

Tot Ion:	96	Resp:	126594
Ion	Ratio	Lower	Upper
96	100		
61	138.1	105.8	158.6
98	66.3	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.772 ug/l

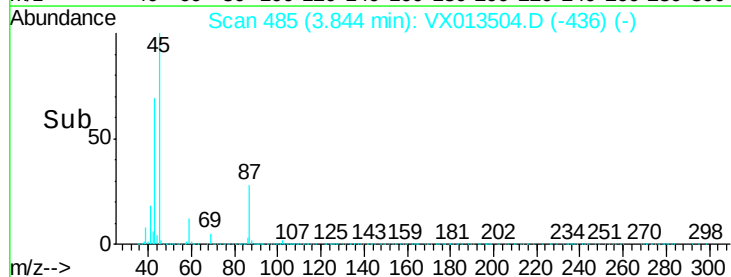
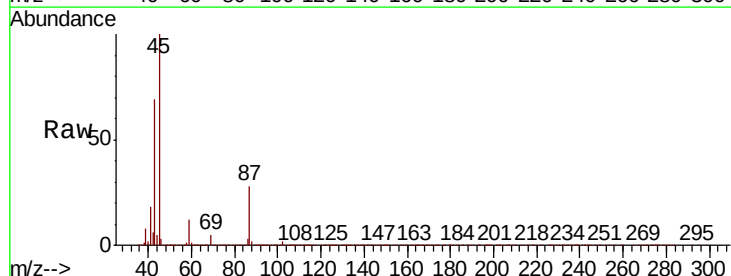
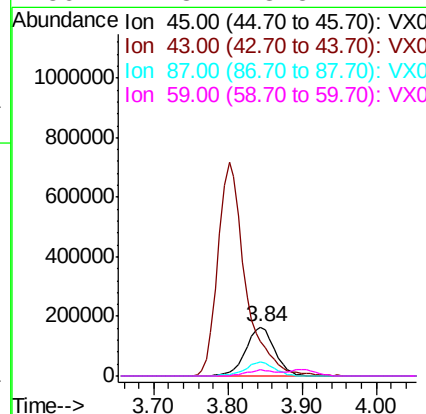
RT: 3.84 min Scan# 485

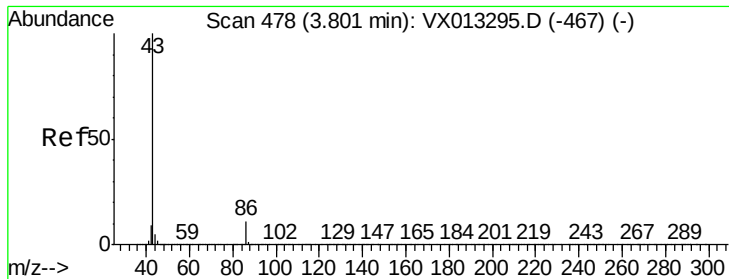
Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Tgt Ion:	45	Resp:	447653
Ion	Ratio	Lower	Upper
45	100		
43	69.1	54.2	81.2
87	27.9	21.8	32.8
59	11.8	8.5	12.7





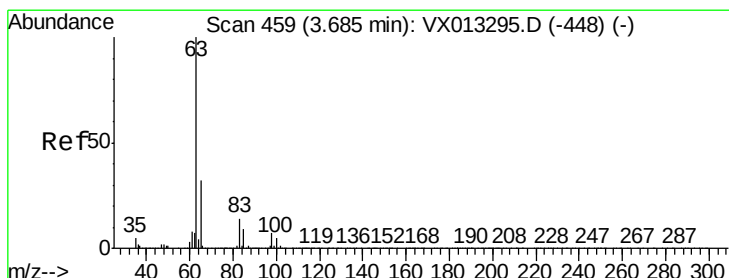
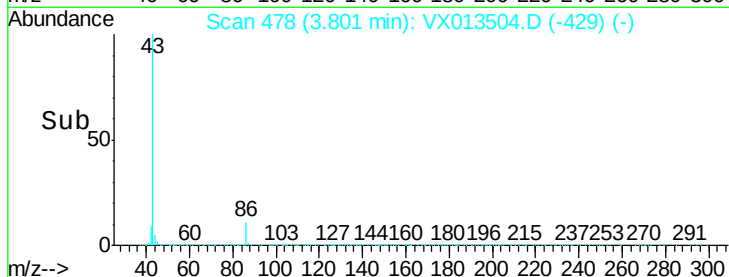
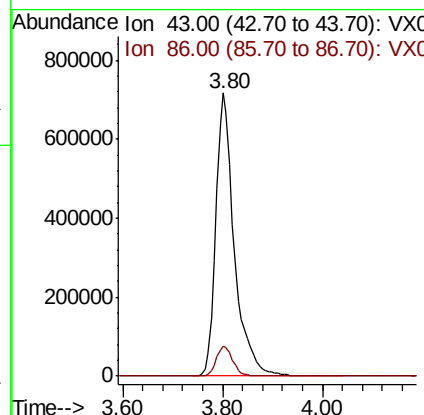
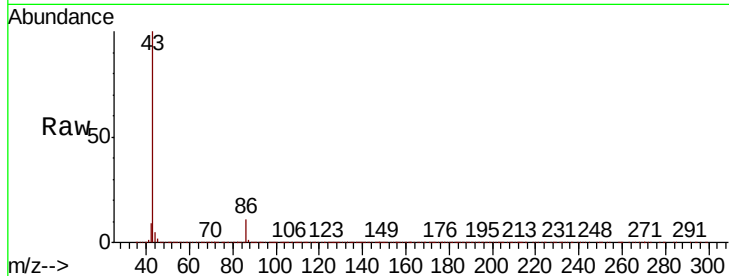
#23
 Vinyl Acetate
 Concen: 90.062 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX013504.D
 Acq: 21 Nov 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBS02

Tot Ion: 43 Resp: 1837759
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 13.0

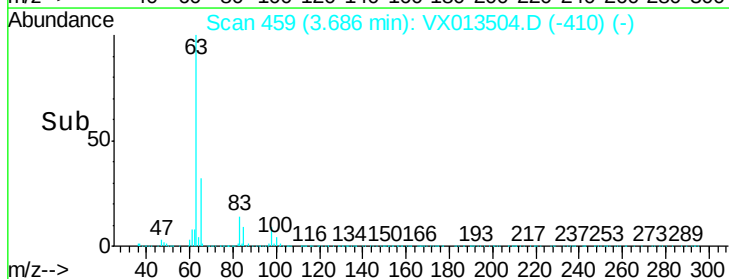
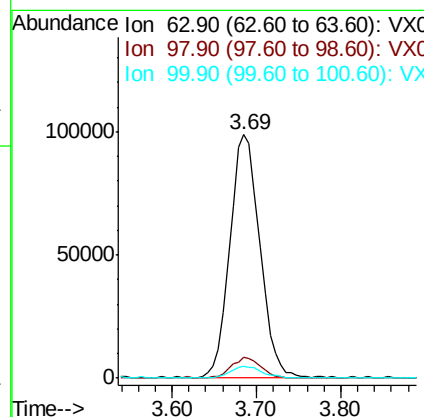
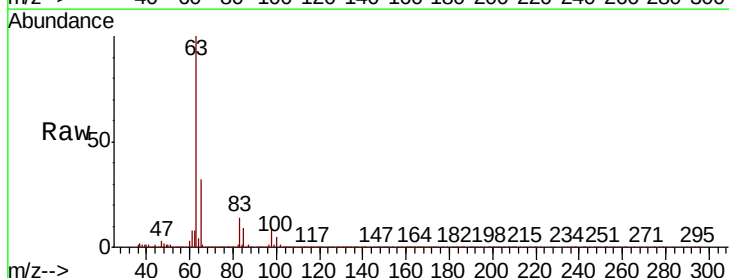
Manual Integrations
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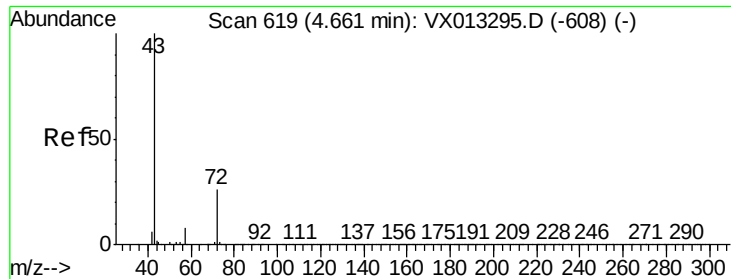
MMDadoda
 11/22/2019 8:44:21 AM



#24
 1,1-Dichloroethane
 Concen: 17.902 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX013504.D
 Acq: 21 Nov 2019 15:36

Tgt Ion: 63 Resp: 238813
 Ion Ratio Lower Upper
 63 100
 98 8.4 3.5 10.4
 100 4.5 2.4 7.2





#25

2-Butanone

Concen: 87.639 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBS02

Tot Ion: 43 Resp: 563042

Ion Ratio Lower Upper

43 100

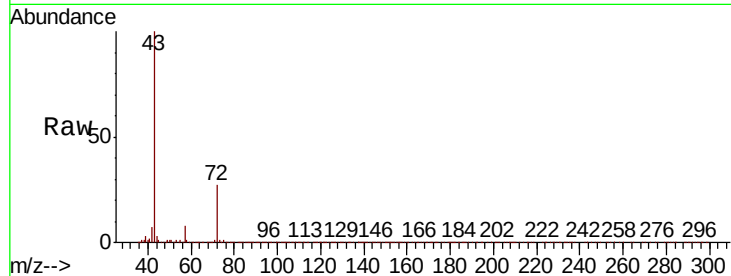
72 26.3 21.0 31.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

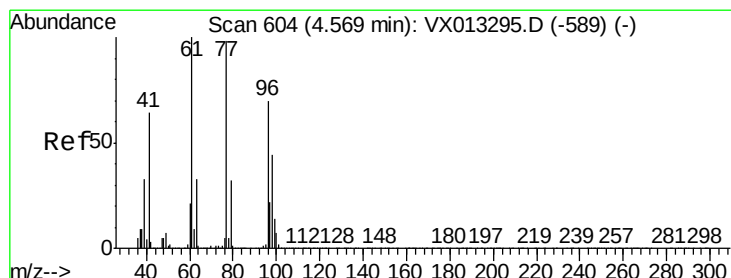
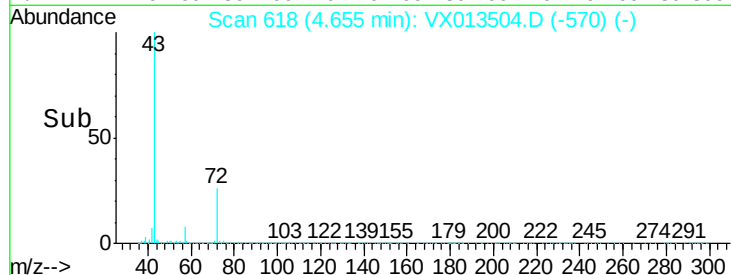
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.182 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013504.D

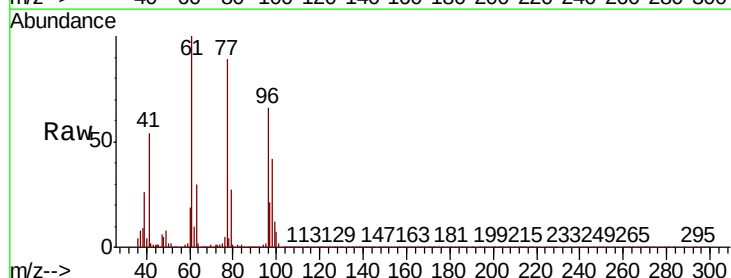
Acq: 21 Nov 2019 15:36

Tgt Ion: 77 Resp: 192953

Ion Ratio Lower Upper

77 100

97 24.4 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

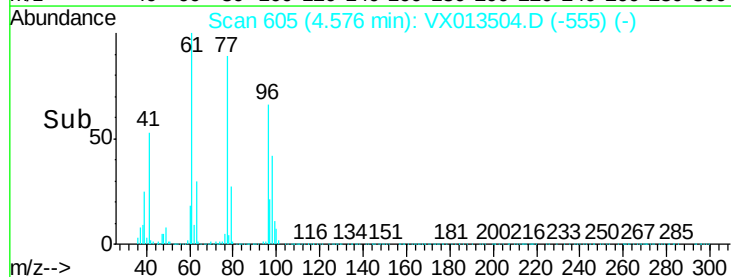
40000

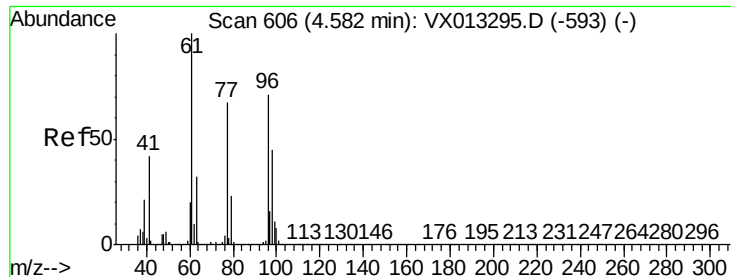
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

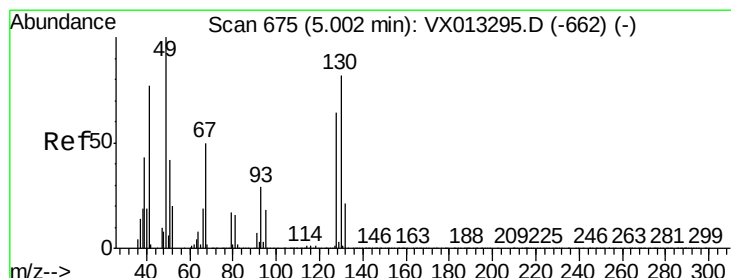
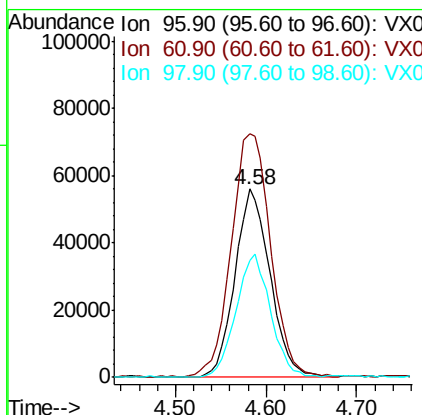
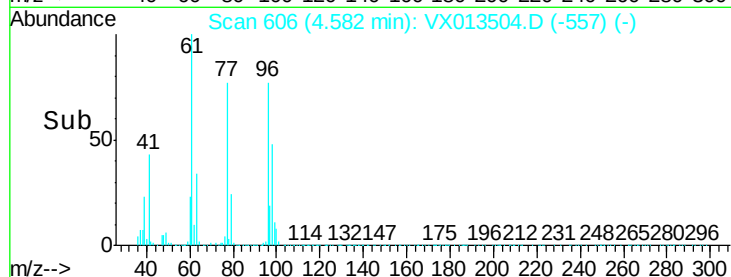
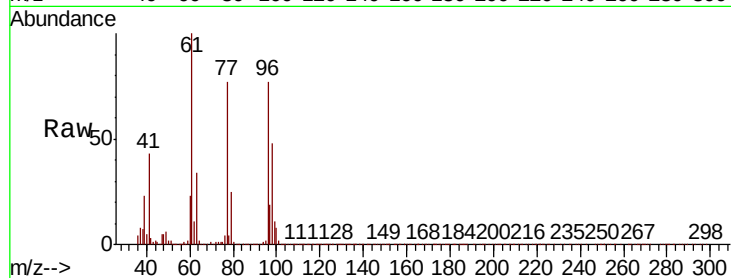
cis-1,2-Dichloroethene
Concen: 18.200 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	150905		
61	143.6	0.0	288.0	
98	63.1	0.0	129.6	

Manual Integrations
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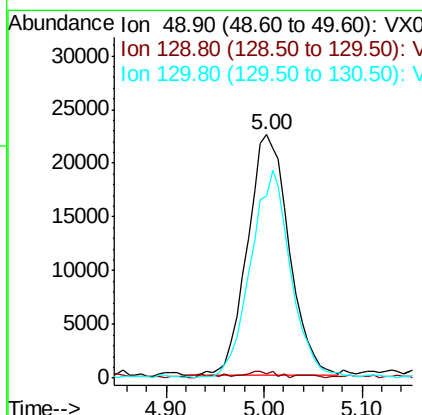
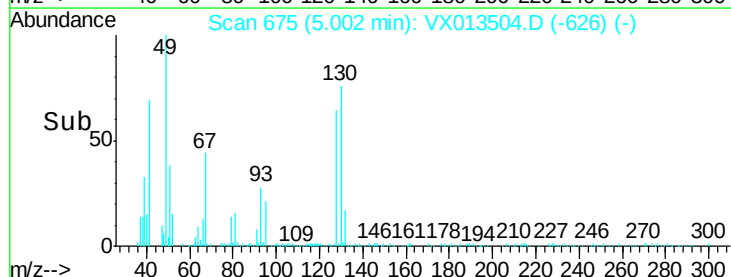
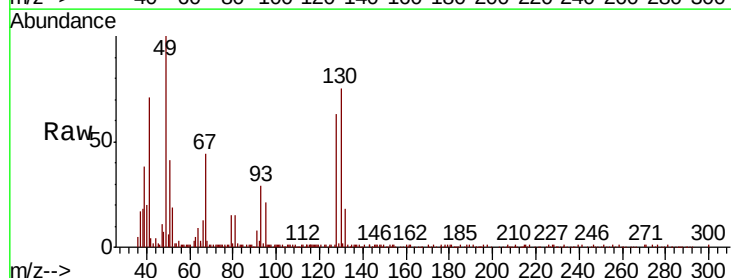
MMDadoda
11/22/2019 8:44:21 AM

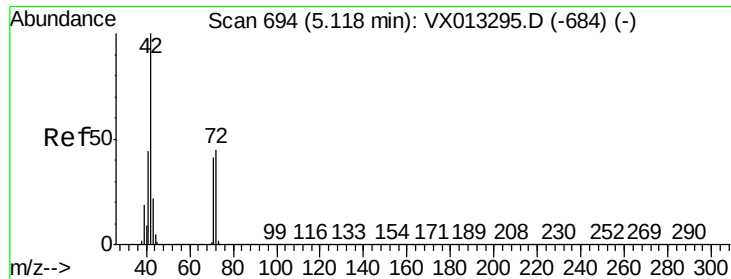


#28

Bromochloromethane
Concen: 17.588 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	66619		
129	2.0	0.0	5.2	
130	82.9	63.8	95.6	





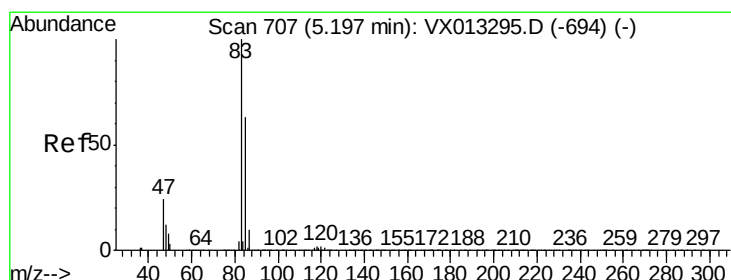
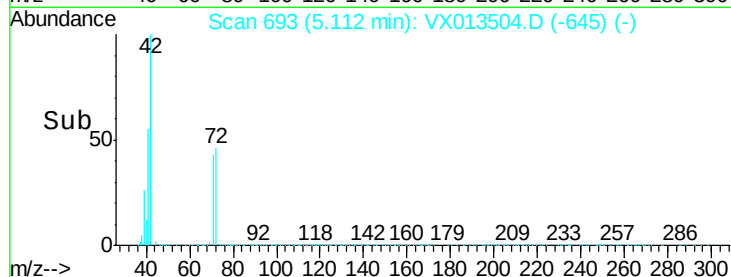
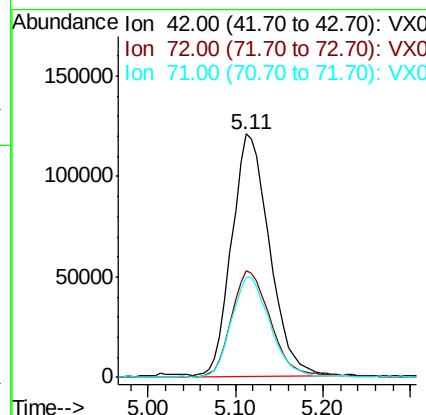
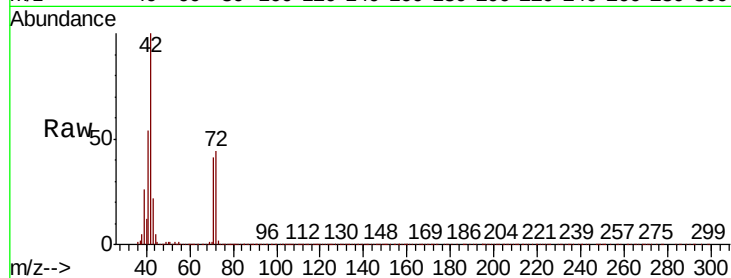
#29
Tetrahydrofuran
Concen: 91.423 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	35.8	53.8
71	42.0	33.4	50.0

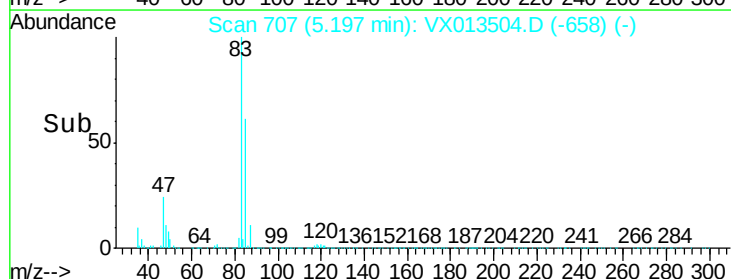
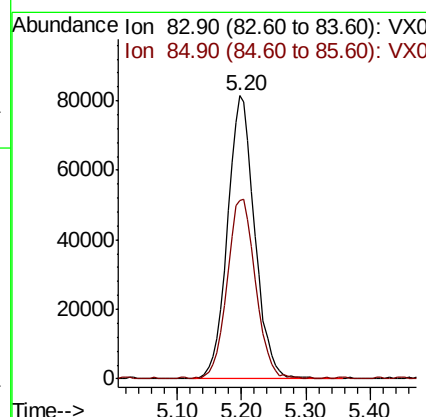
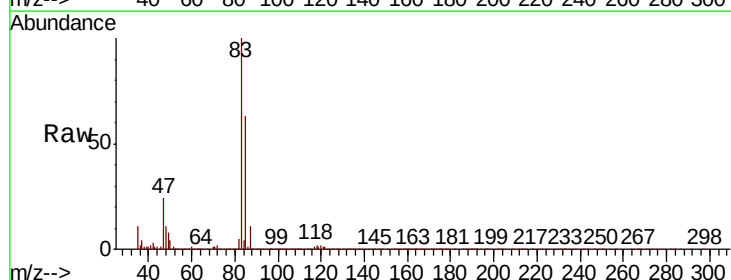
Manual Integrations
APPROVED

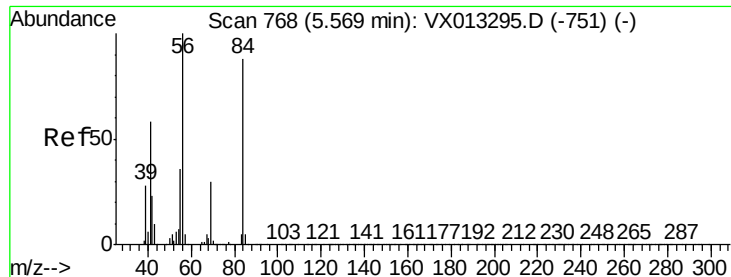
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#30
Chloroform
Concen: 18.258 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.2	75.4





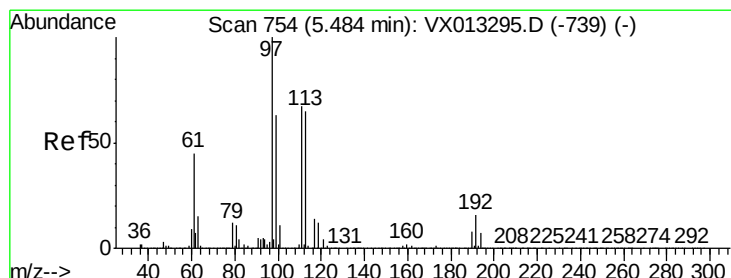
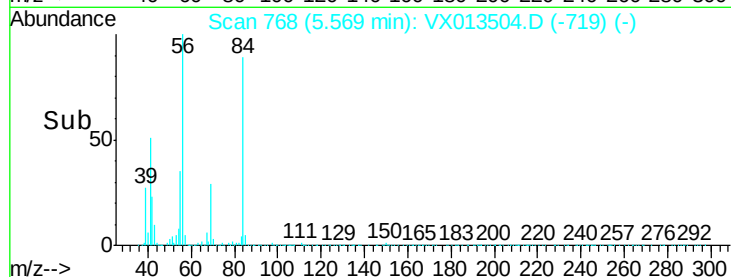
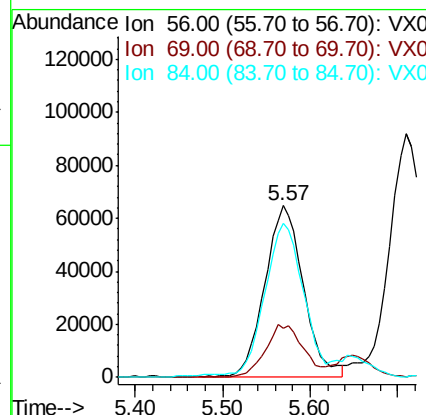
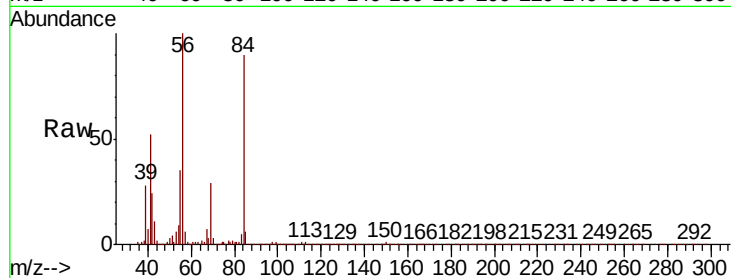
#31
Cyclohexane
Concen: 16.477 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.7	35.5
84	89.4	70.6	105.8

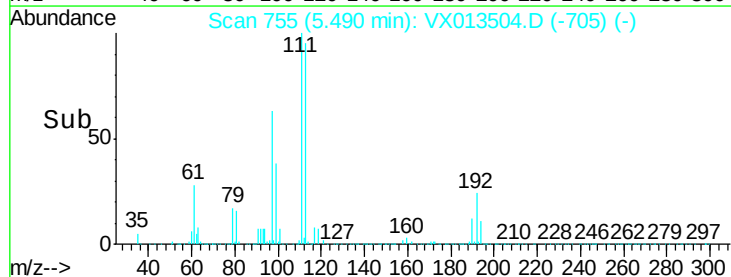
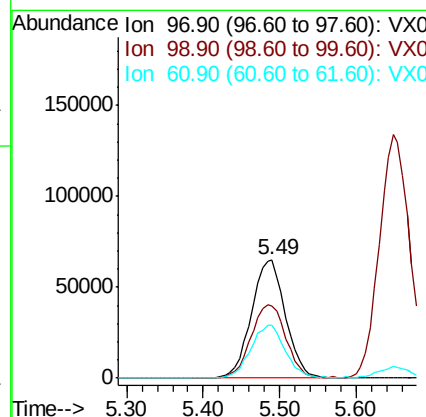
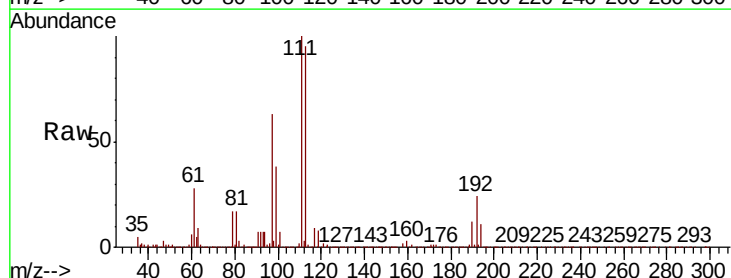
Manual Integrations
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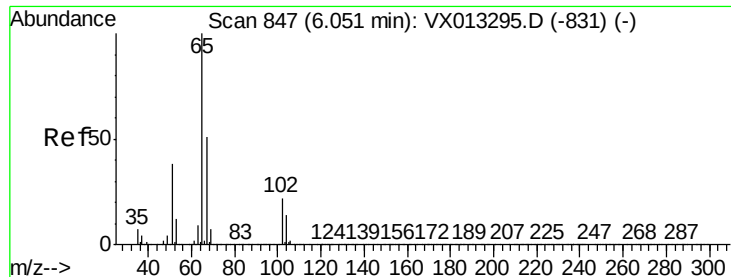
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.623 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.1	76.7
61	44.6	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 40.901 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBS02

Tot Ion: 65 Resp: 359111

Ion Ratio Lower Upper

65 100

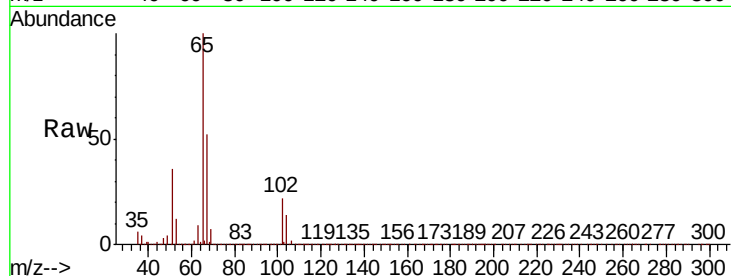
67 52.6 0.0 104.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

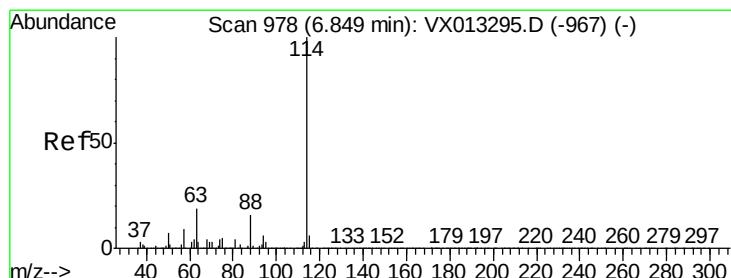
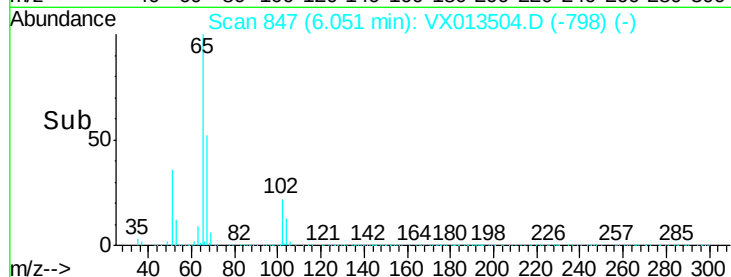
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

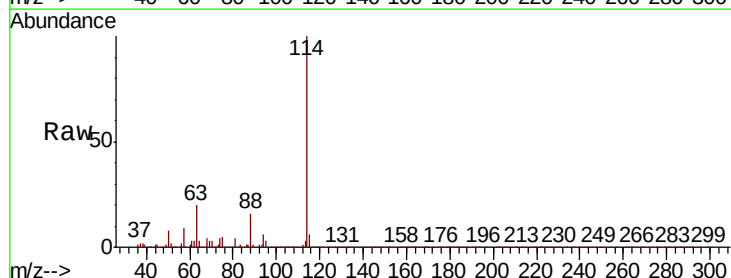
Tgt Ion: 114 Resp: 1142630

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

88 15.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

600000

500000

400000

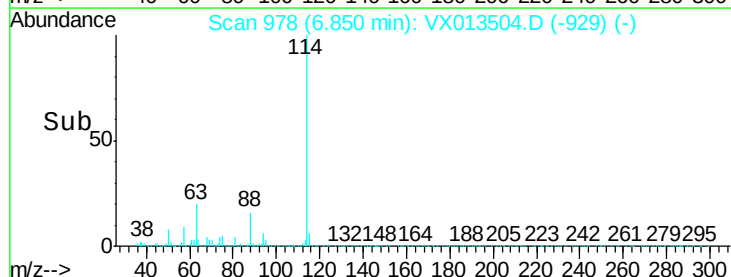
300000

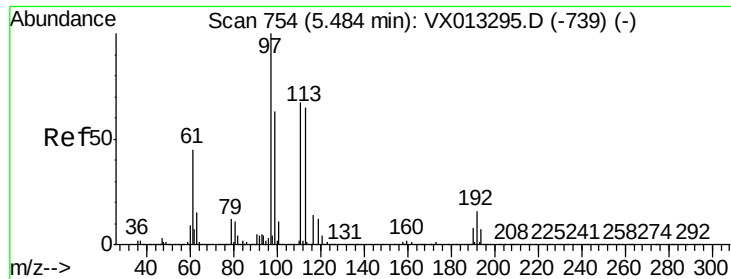
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





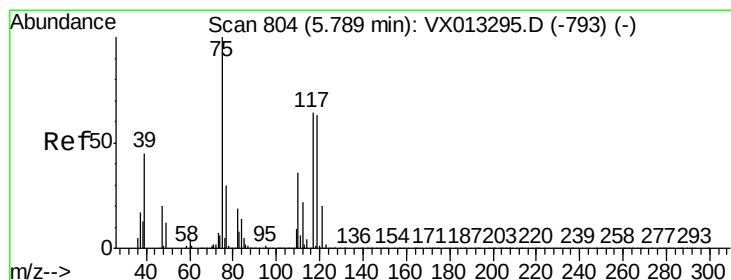
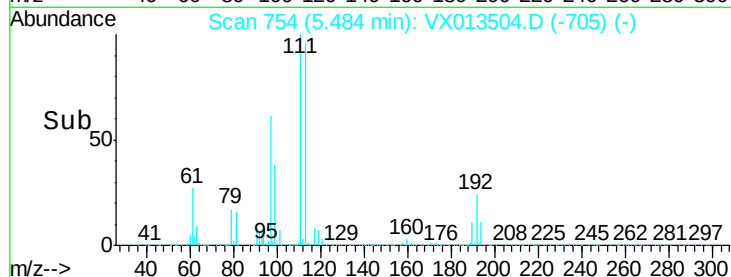
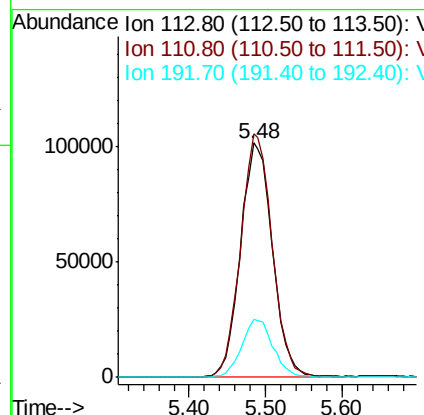
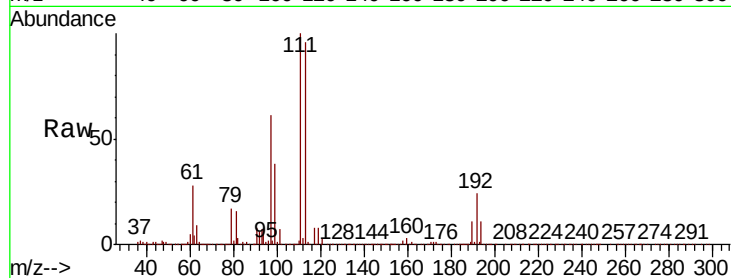
#35
Dibromofluoromethane
Concen: 41.200 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	295269		
111	102.7	81.9	122.9	
192	24.3	19.1	28.7	

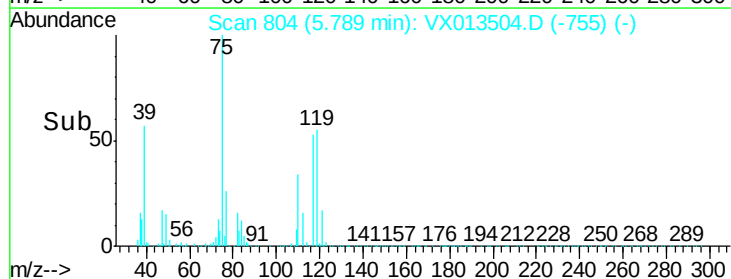
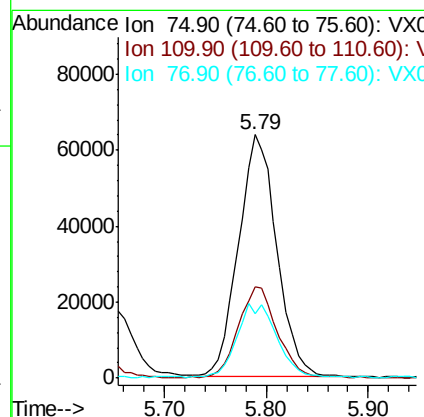
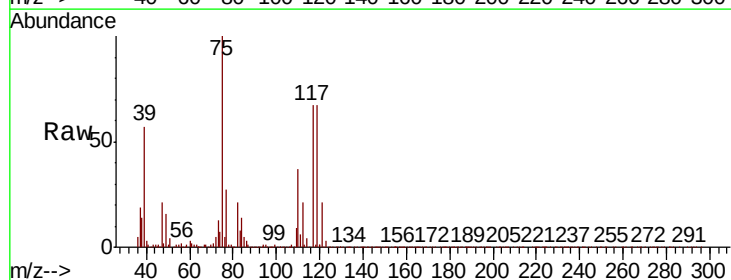
Manual Integrations
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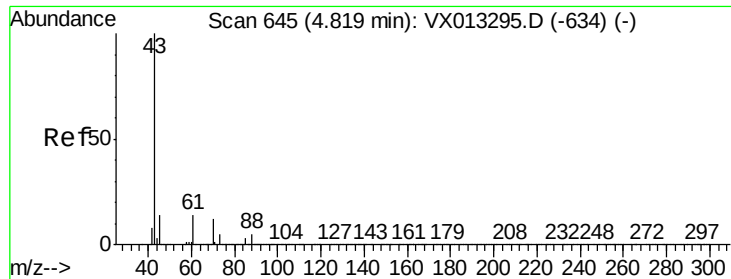
MMDadoda
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#36
1,1-Dichloropropene
Concen: 16.917 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	165831		
110	38.3	18.1	54.1	
77	32.1	25.0	37.4	





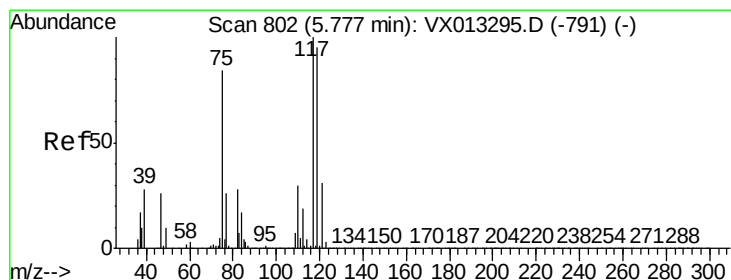
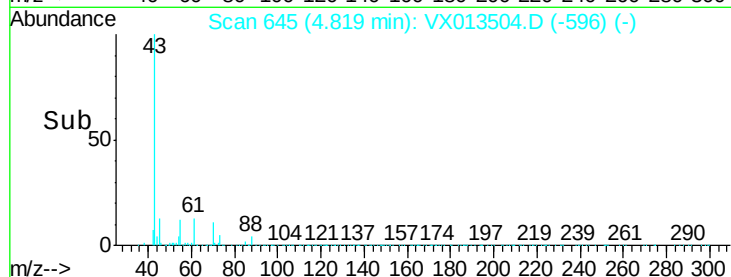
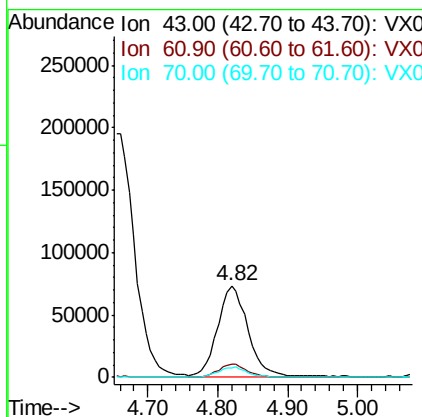
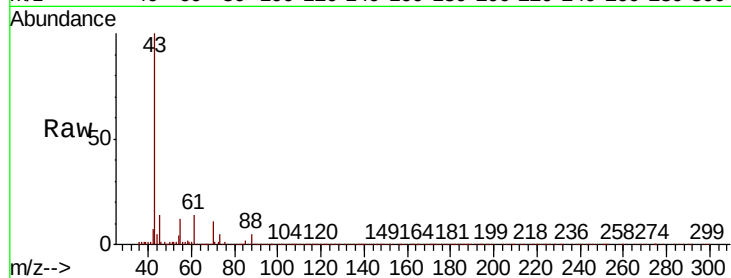
#37
Ethyl Acetate
Concen: 17.797 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	43	Resp	215559
Ion Ratio	Lower	Upper	
43	100		
61	13.4	10.7	16.1
70	11.0	8.7	13.1

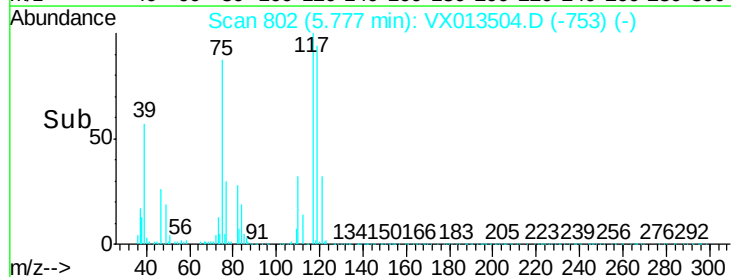
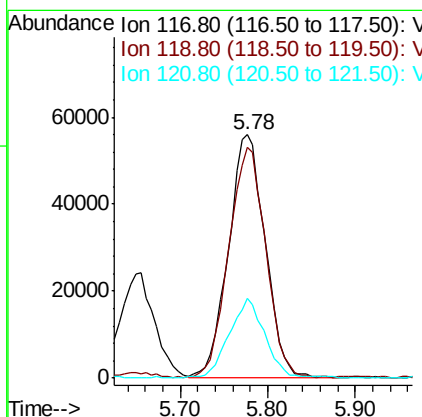
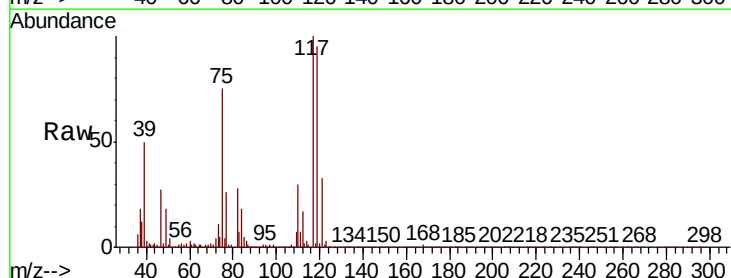
Manual Integrations
APPROVED

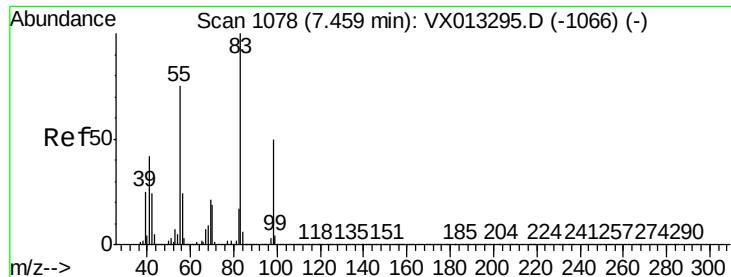
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#38
Carbon Tetrachloride
Concen: 16.947 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	117	Resp	162443
Ion Ratio	Lower	Upper	
117	100		
119	94.3	76.1	114.1
121	32.3	24.6	37.0





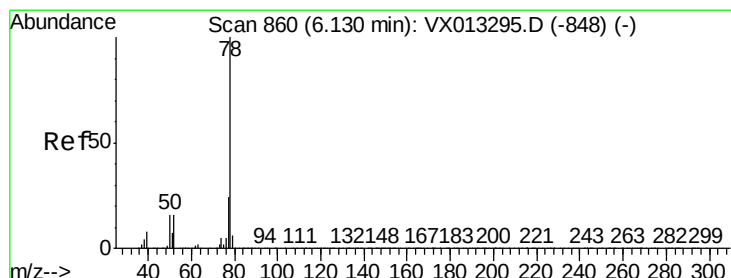
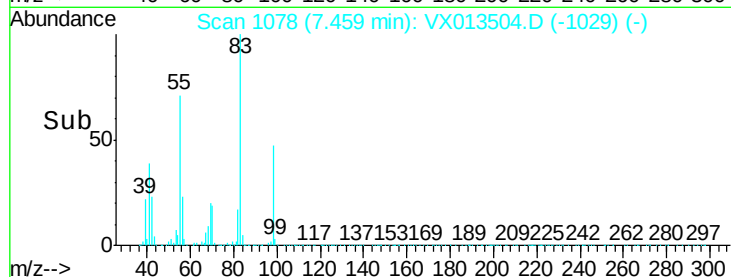
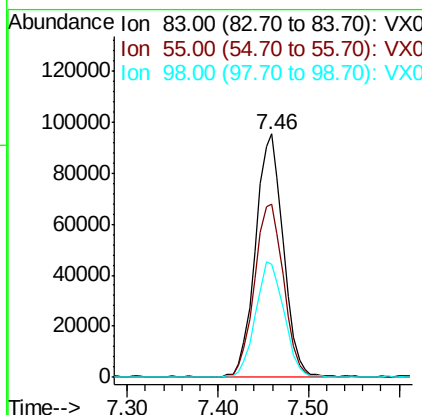
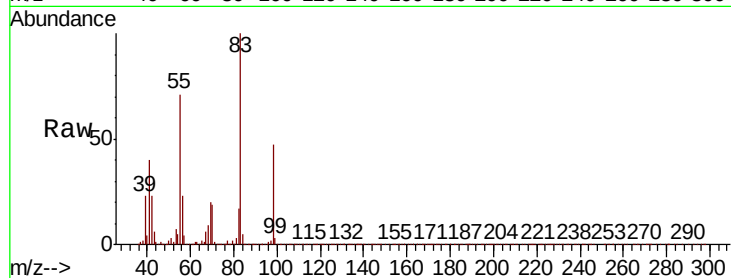
#39
Methylvlcyclohexane
Concen: 16.508 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	60.3	90.5
98	46.4	40.3	60.5

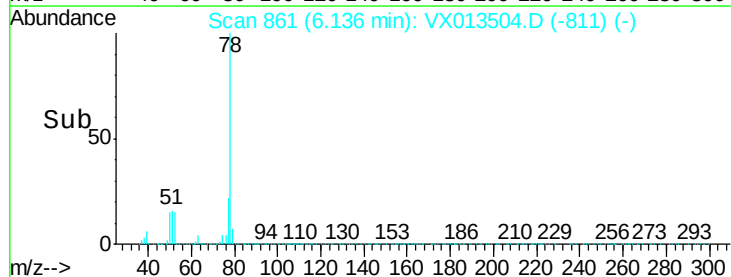
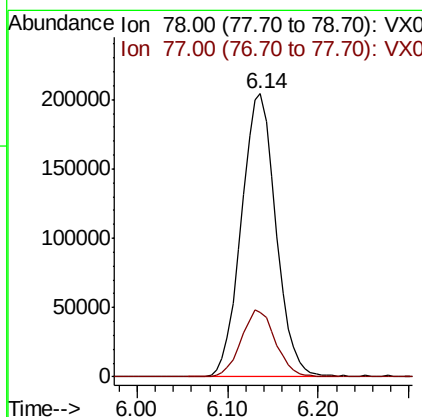
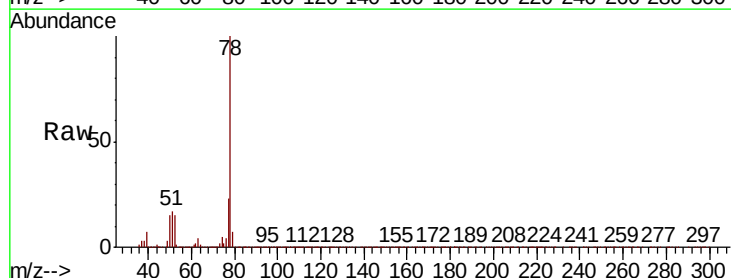
Manual Integrations
APPROVED

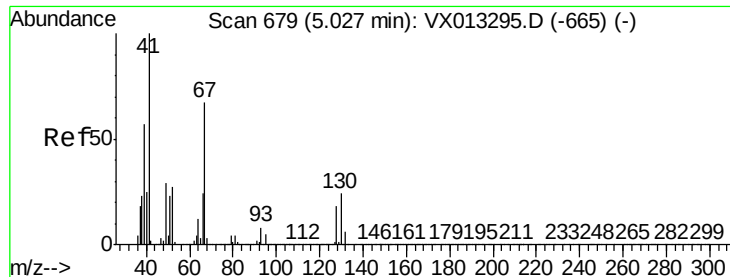
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11/22/2019 8:44:21 AM



#40
Benzene
Concen: 17.677 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.5	29.3





#41

Methacrylonitrile

Concen: 17.592 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

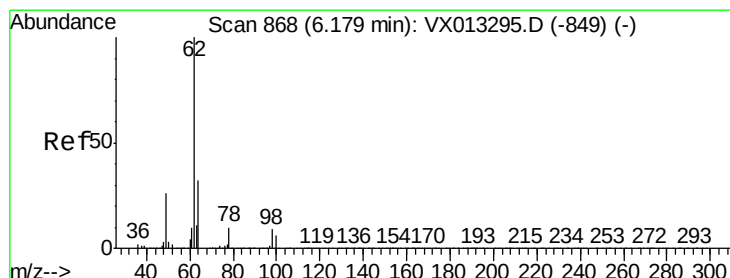
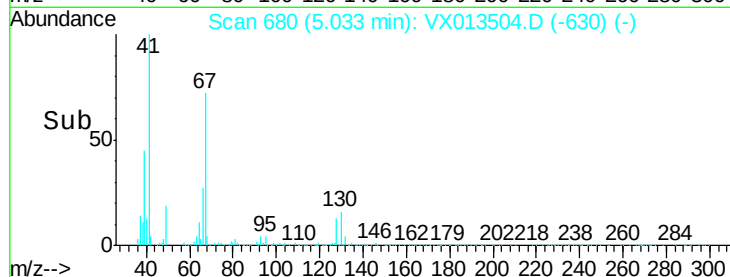
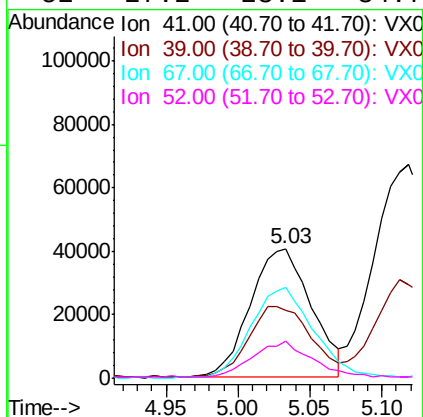
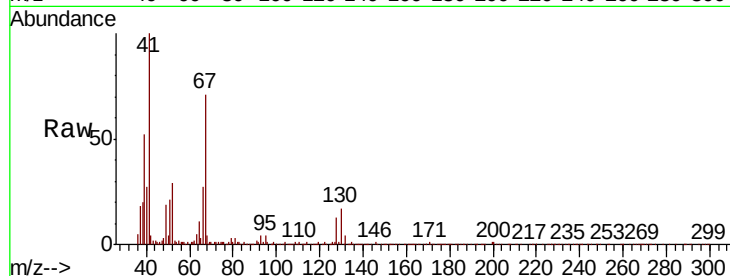
ClientSampleId :

VX1121WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.1	45.0	67.6	
67	72.1	55.4	83.2	
52	27.2	23.1	34.7	

Manual Integrations
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11/22/2019 8:44:21 AM



#42

1,2-Dichloroethane

Concen: 17.439 ug/l

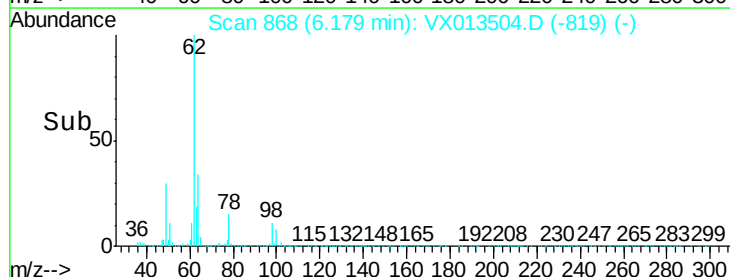
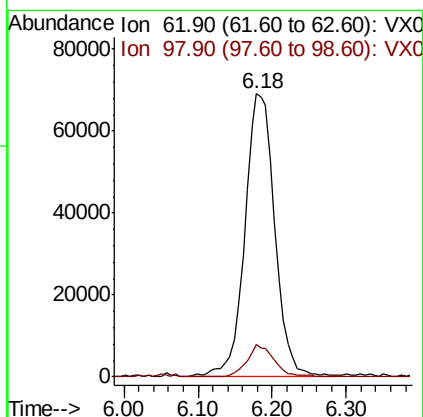
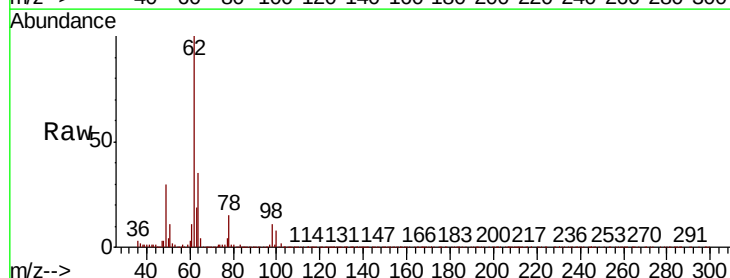
RT: 6.18 min Scan# 868

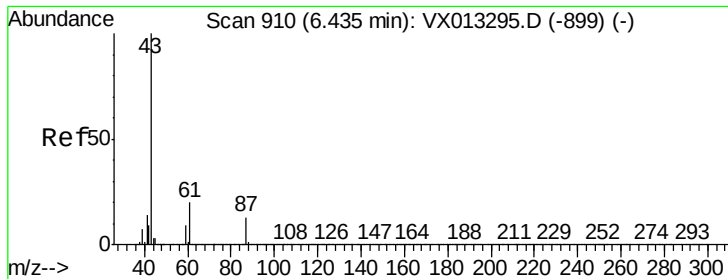
Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	19.4	





#43

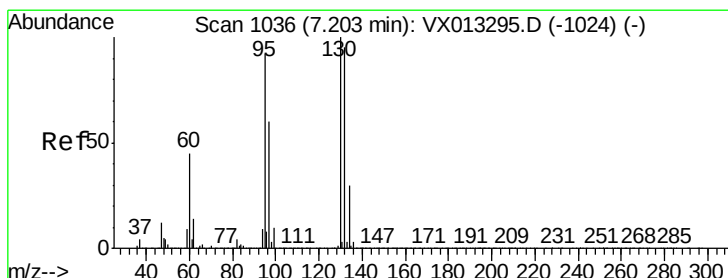
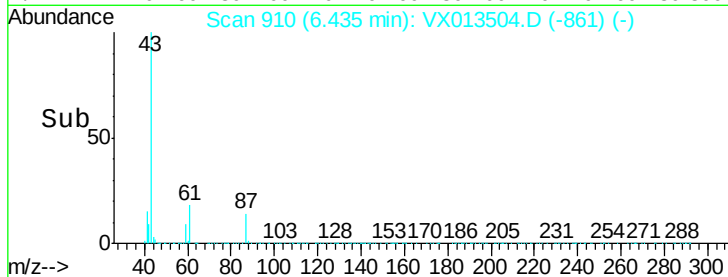
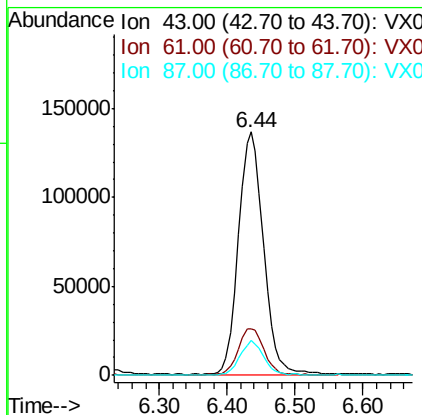
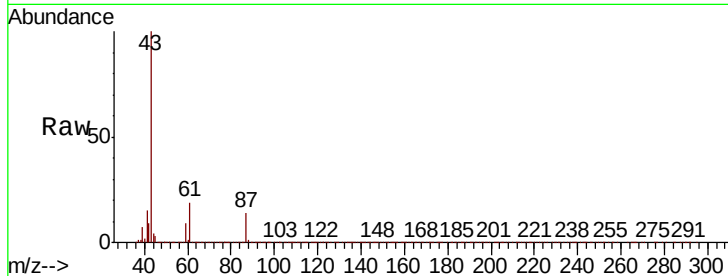
Isopropyl Acetate
 Concen: 18.527 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX013504.D
 Acq: 21 Nov 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.8
87	13.5	10.4	15.6

Manual Integrations
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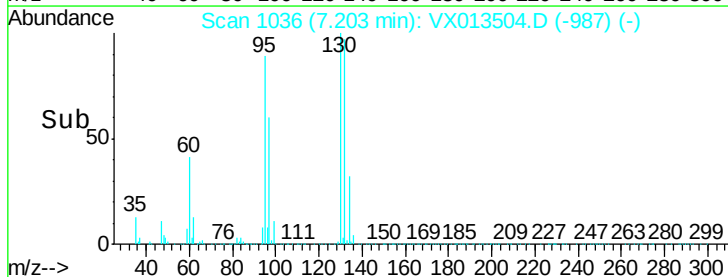
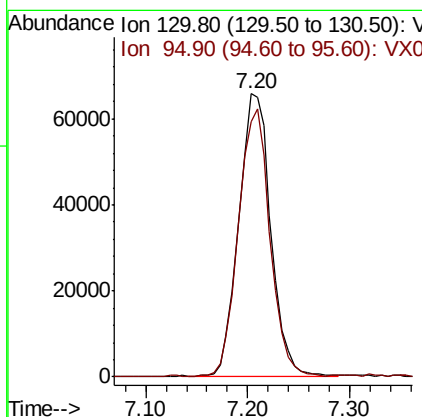
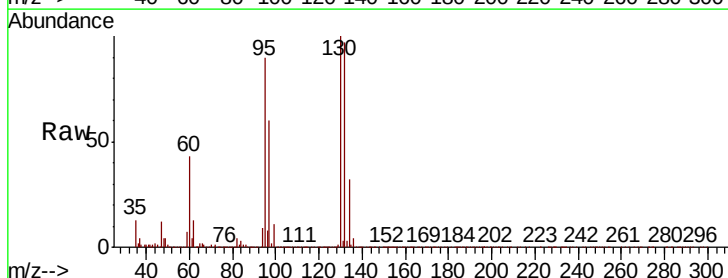
MMDadoda
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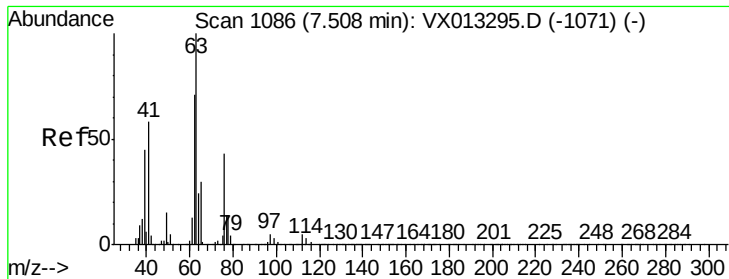


#44

Trichloroethene
 Concen: 16.987 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX013504.D
 Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	184.8





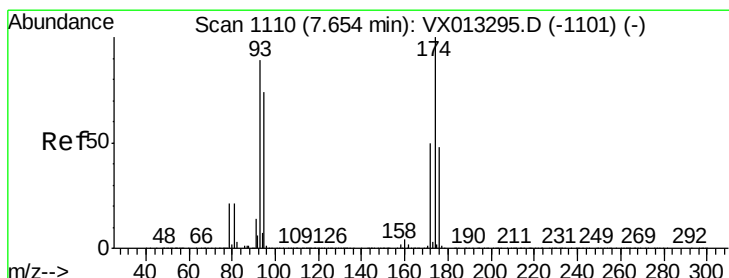
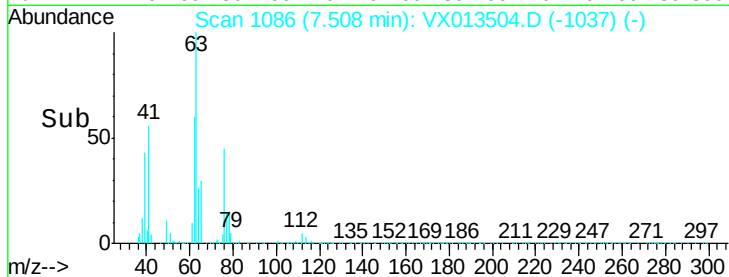
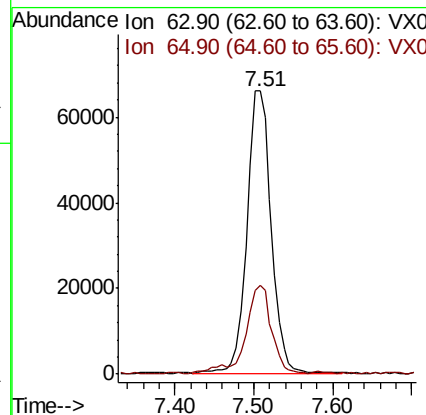
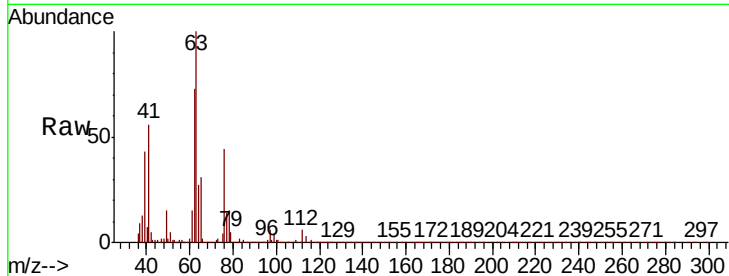
#45
 1,2-Dichloropropane
 Concen: 18.042 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013504.D
 Acq: 21 Nov 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.3	36.5

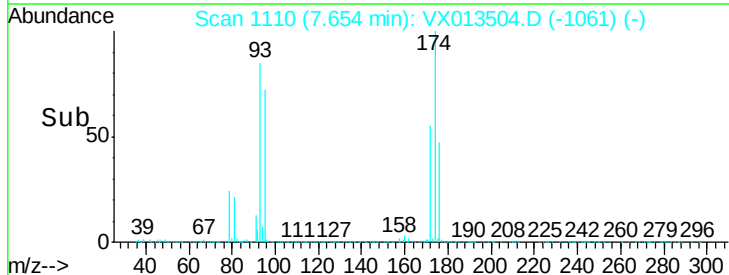
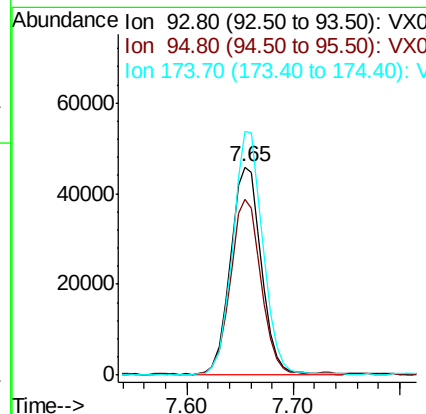
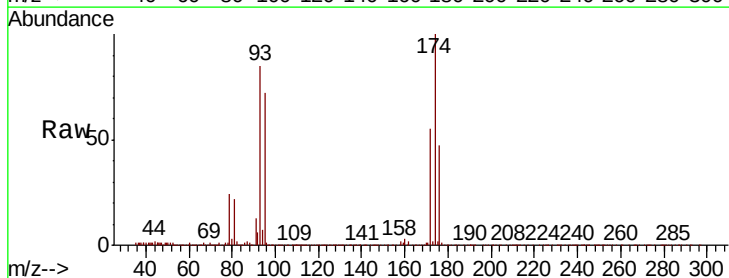
Manual Integrations
 APPROVED

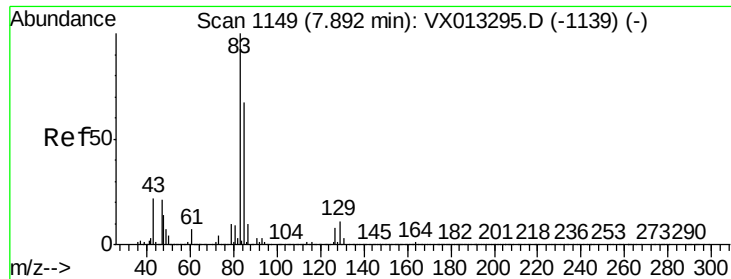
MMDadoda
 11/22/2019 8:44:21 AM



#46
 Dibromomethane
 Concen: 17.389 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013504.D
 Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.8	98.6
174	116.6	90.4	135.6





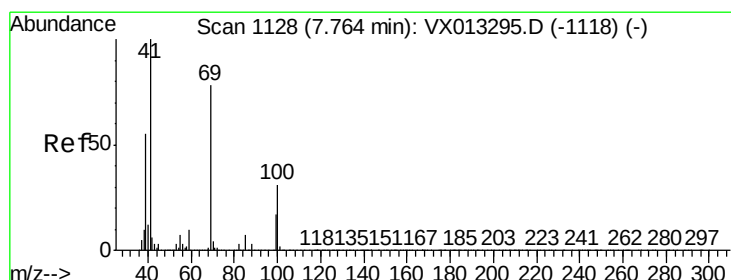
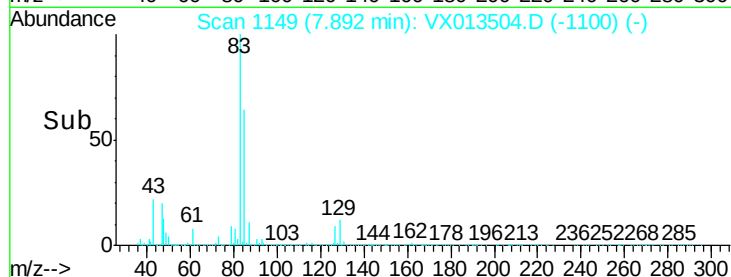
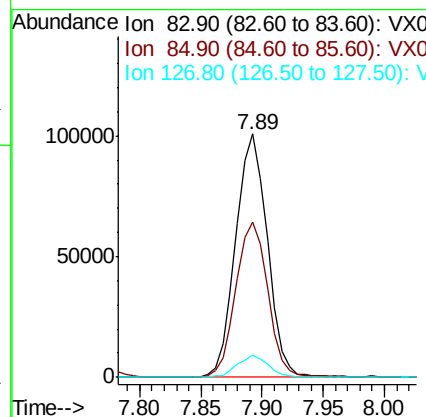
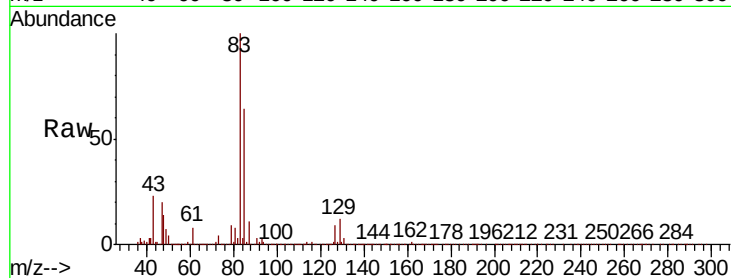
#47
Bromodichloromethane
Concen: 18.008 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.6	53.7	80.5	
127	9.0	6.4	9.6	

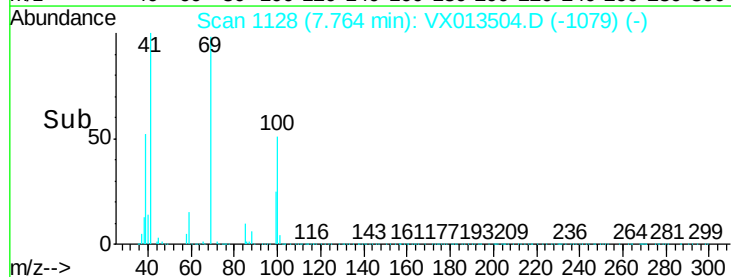
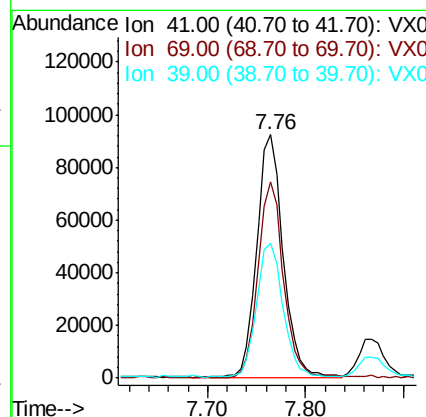
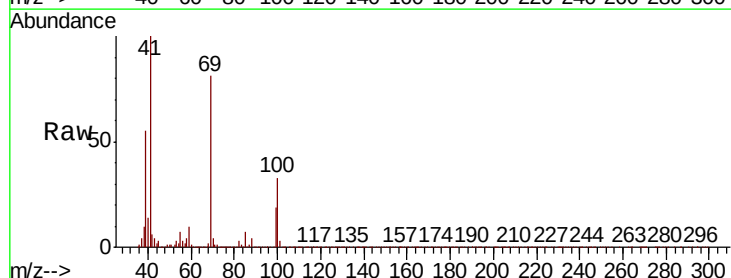
Manual Integrations
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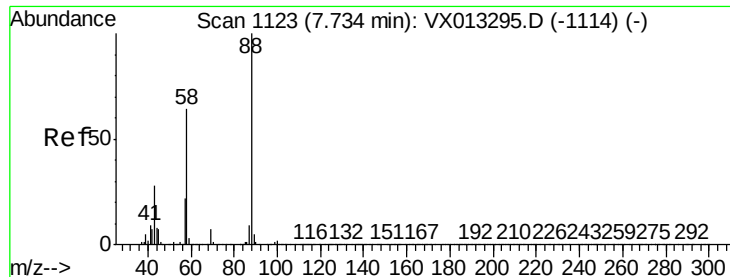
MMDadoda
11/22/2019 8:44:21 AM



#48
Methyl methacrylate
Concen: 18.256 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	78.4	63.0	94.6	
39	55.9	45.9	68.9	





#49

1,4-Dioxane

Concen: 343.277 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

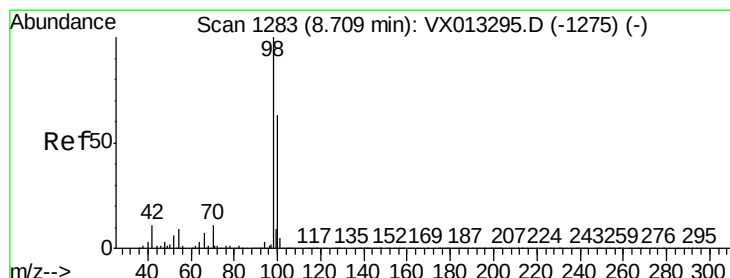
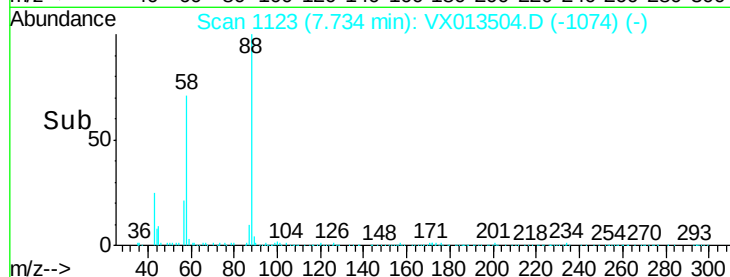
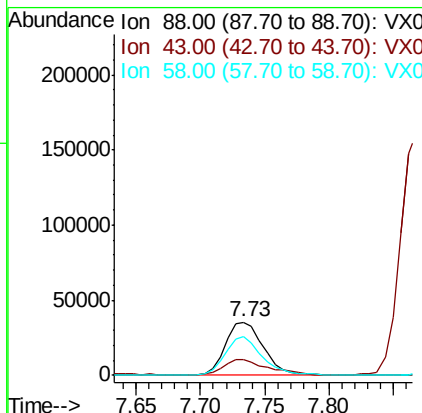
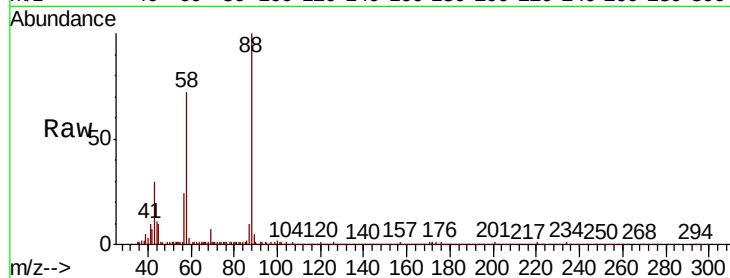
ClientSampleId :

VX1121WBS02

Tot Ion:	88	Resp:	74016
Ion Ratio	Lower	Upper	
88	100		
43	34.4	26.6	39.8
58	72.1	55.0	82.6

Manual Integrations
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#50

Toluene-d8

Concen: 40.925 ug/l

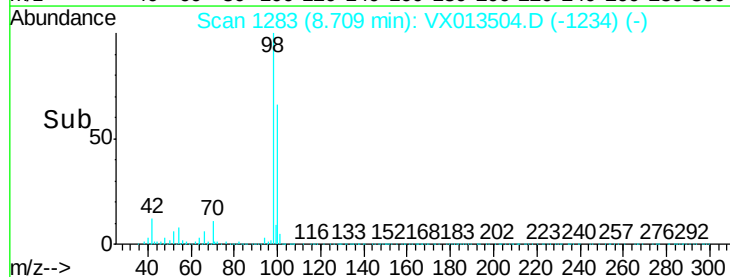
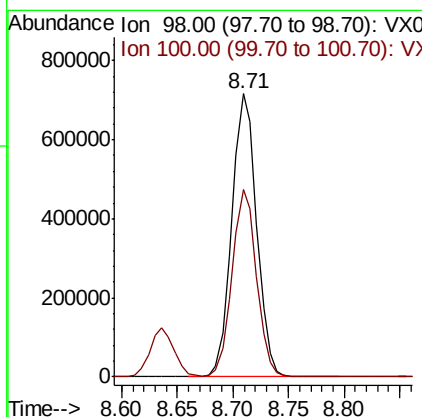
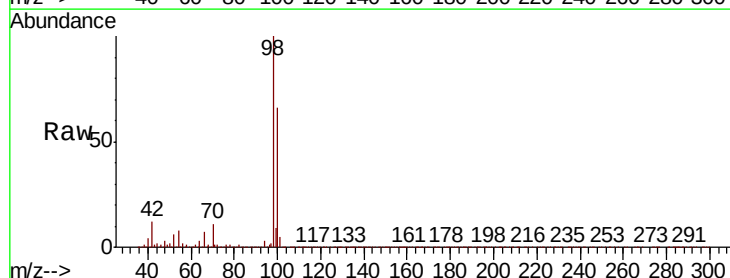
RT: 8.71 min Scan# 1283

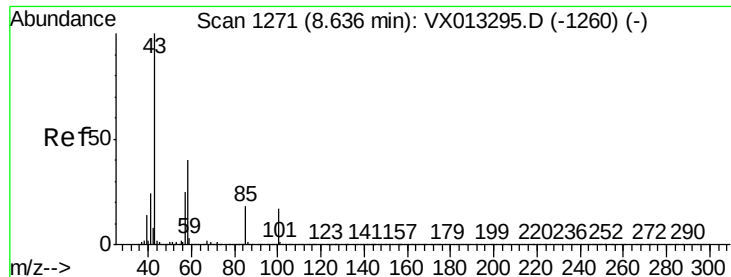
Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Tgt Ion:	98	Resp:	1105709
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 90.665 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Tot Ion: 43 Resp: 1121935

Ion Ratio Lower Upper

43 100

58 39.9 31.4 47.0

Instrument :

MSVOA_X

ClientSampleId :

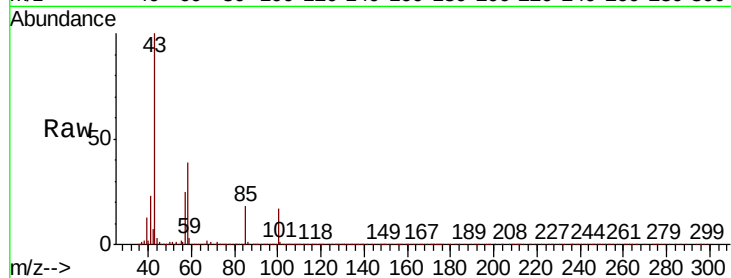
VX1121WBS02

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

800000

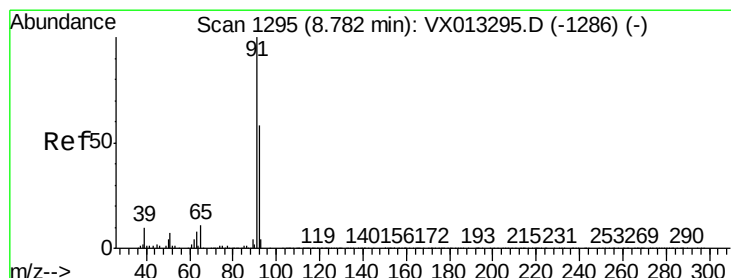
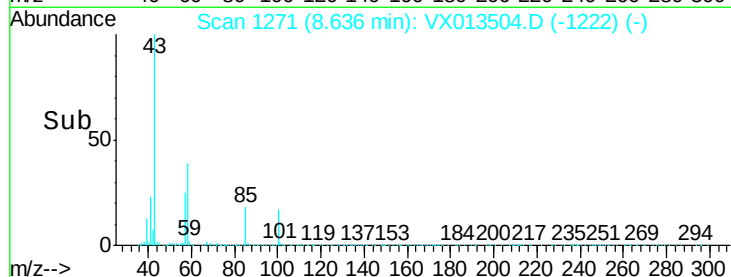
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 17.646 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013504.D

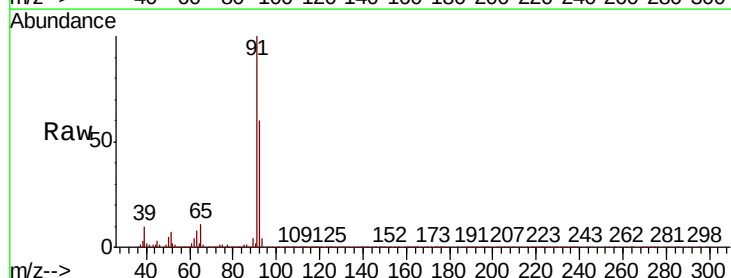
Acq: 21 Nov 2019 15:36

Tgt Ion: 92 Resp: 333950

Ion Ratio Lower Upper

92 100

91 172.8 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

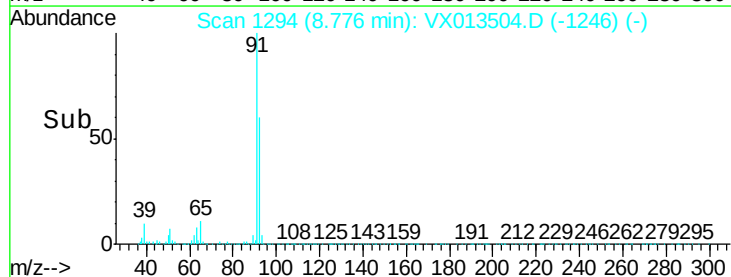
300000

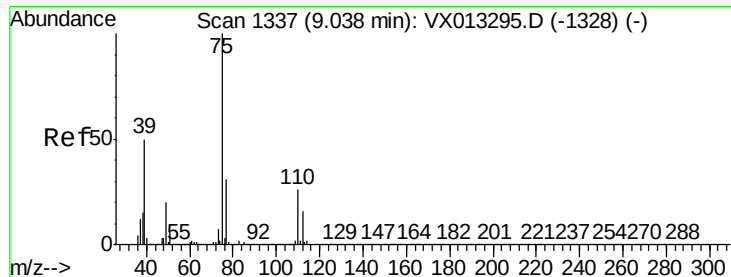
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.011 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBS02

Tot Ion: 75 Resp: 197283

Ion Ratio Lower Upper

75 100

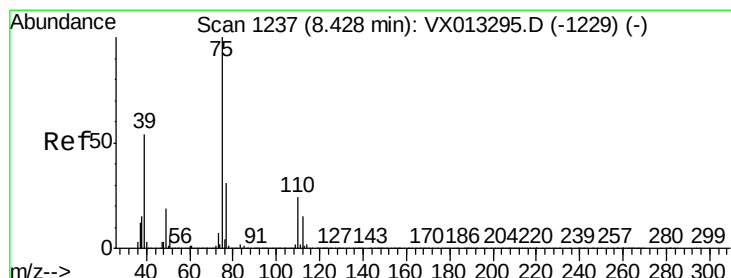
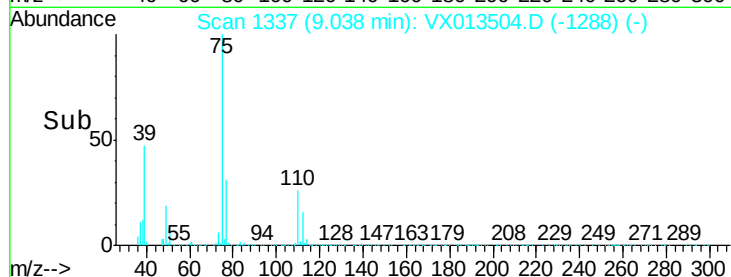
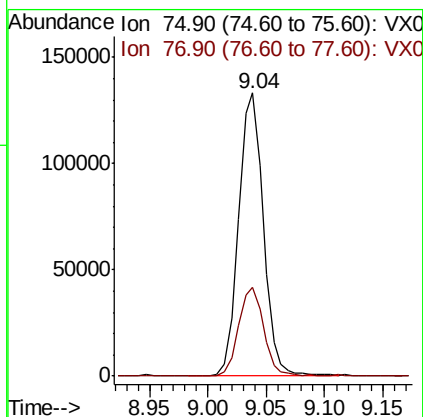
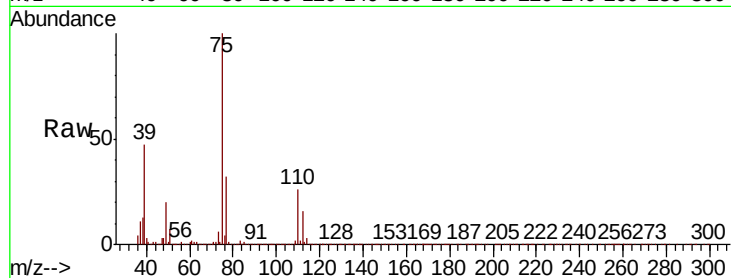
77 31.5 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.137 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

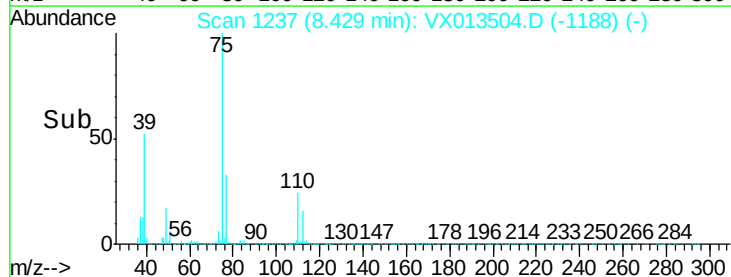
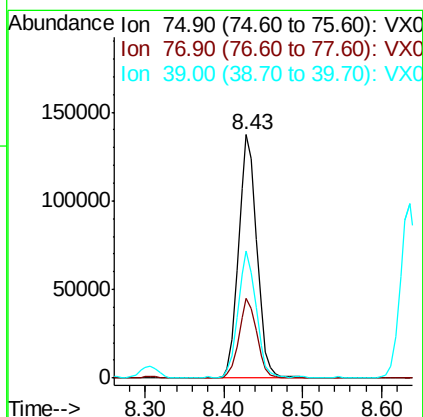
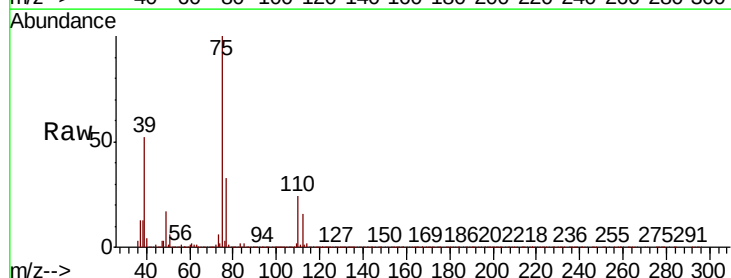
Tgt Ion: 75 Resp: 222218

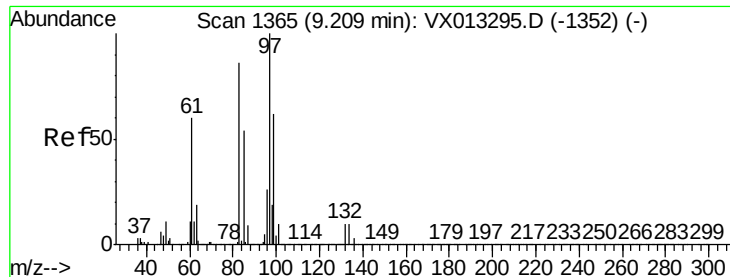
Ion Ratio Lower Upper

75 100

77 32.4 24.7 37.1

39 51.8 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 18.137 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

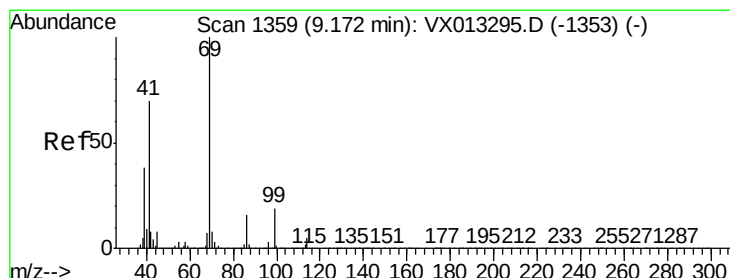
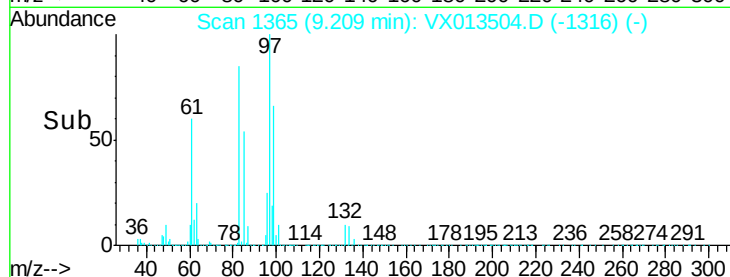
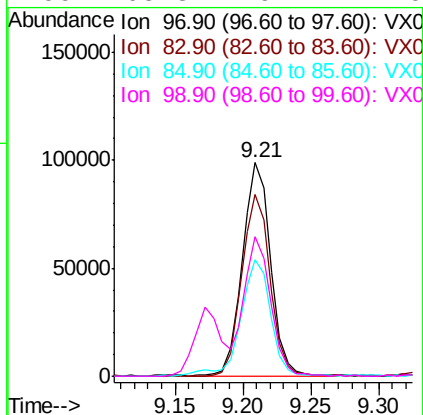
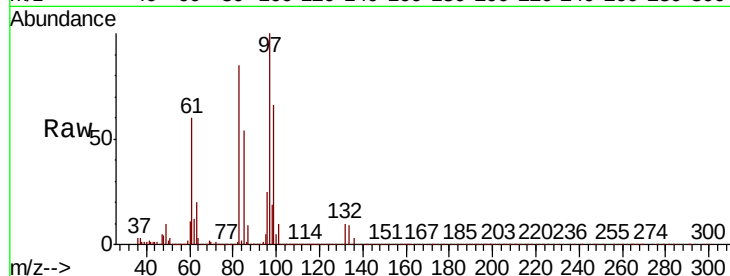
ClientSampleId :

VX1121WBS02

Tot Ion:	97	Resp:	142270
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.6	103.0
85	54.4	43.1	64.7
99	65.3	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.254 ug/l

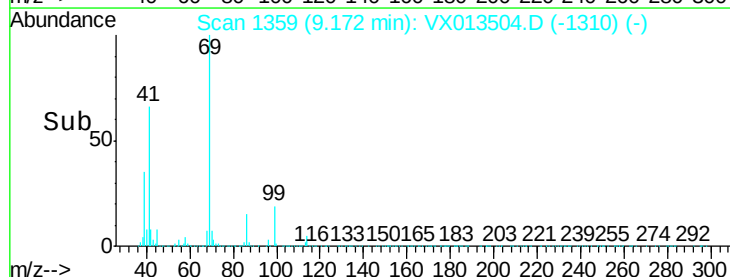
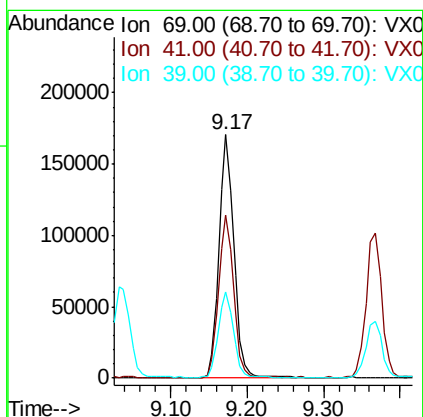
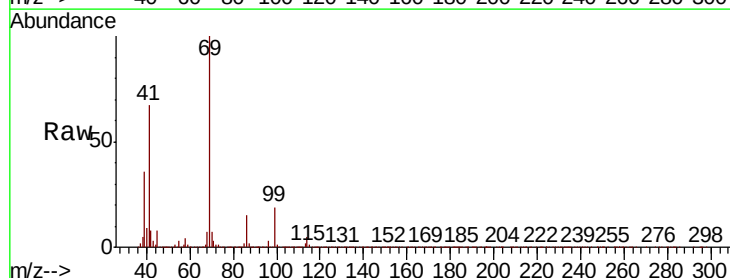
RT: 9.17 min Scan# 1359

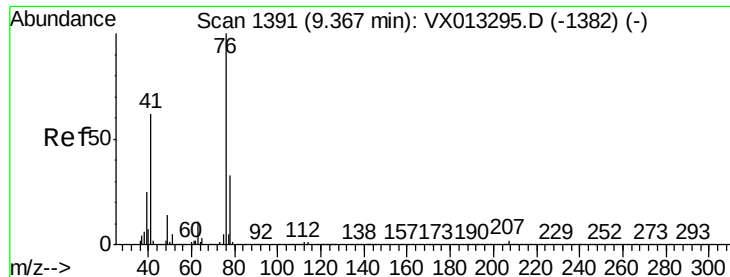
Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Tgt Ion:	69	Resp:	230724
Ion	Ratio	Lower	Upper
69	100		
41	66.5	56.2	84.2
39	35.9	31.1	46.7





#57

1,3-Dichloropropane

Concen: 18.163 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBS02

Tot Ion: 76 Resp: 241849

Ion Ratio Lower Upper

76 100

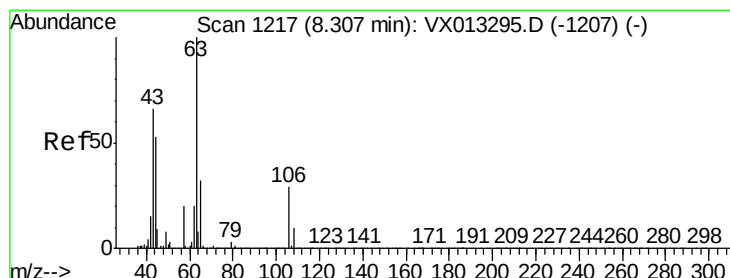
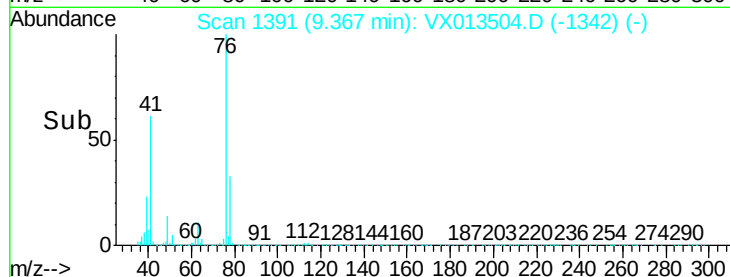
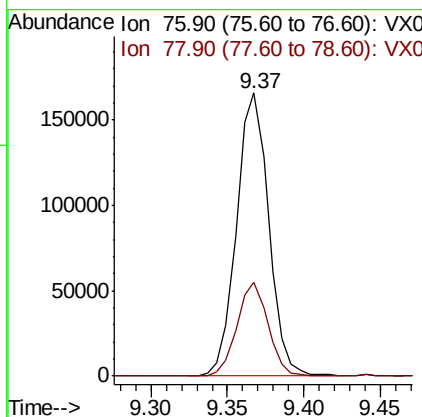
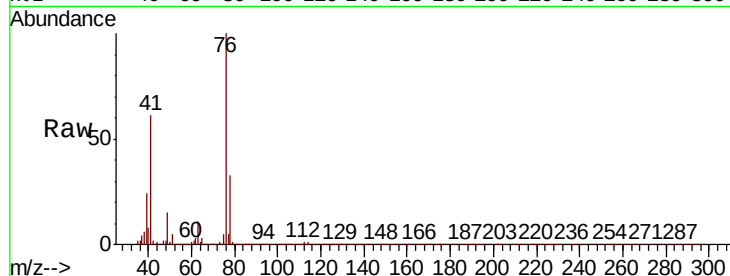
78 31.9 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 88.666 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013504.D

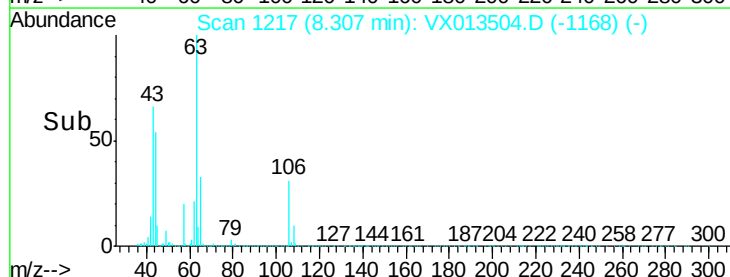
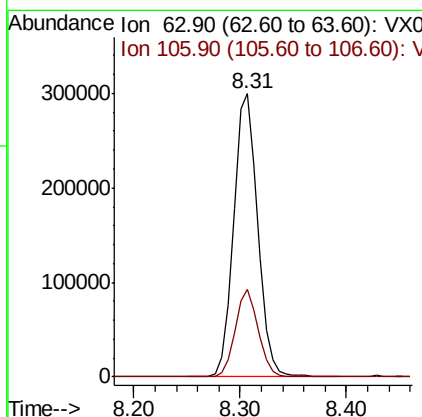
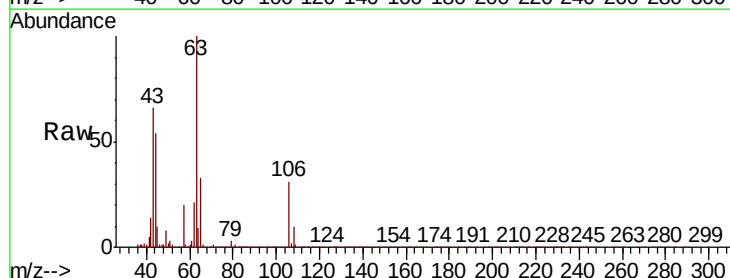
Acq: 21 Nov 2019 15:36

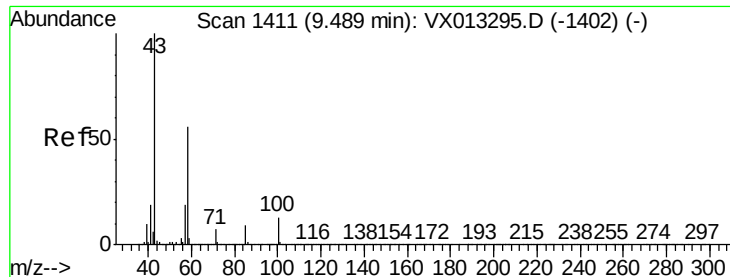
Tgt Ion: 63 Resp: 475553

Ion Ratio Lower Upper

63 100

106 29.6 23.4 35.2





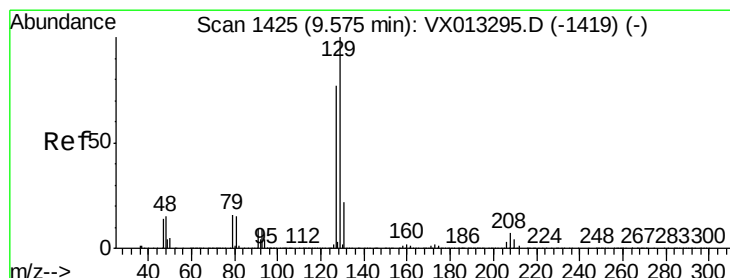
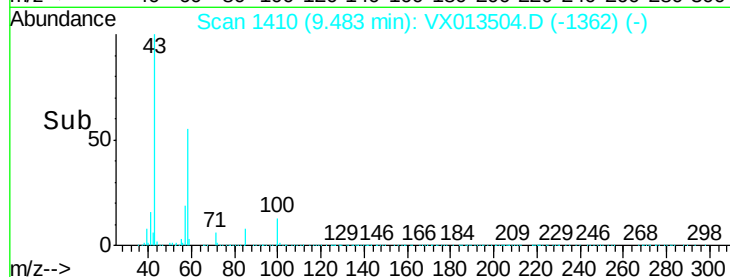
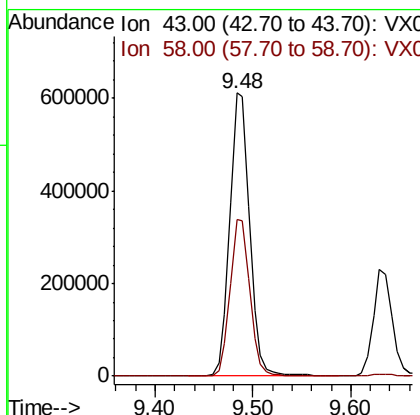
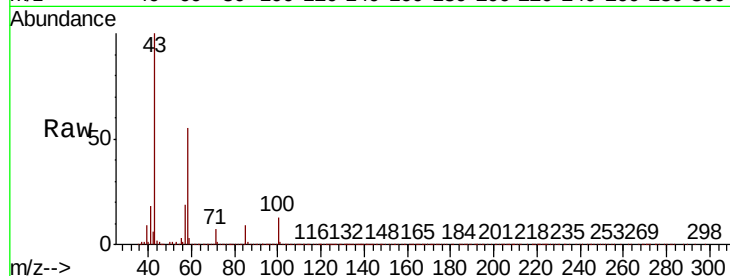
#59
2-Hexanone
Concen: 90.128 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion: 43 Resp: 861875
Ion Ratio Lower Upper
43 100
58 55.3 27.3 81.8

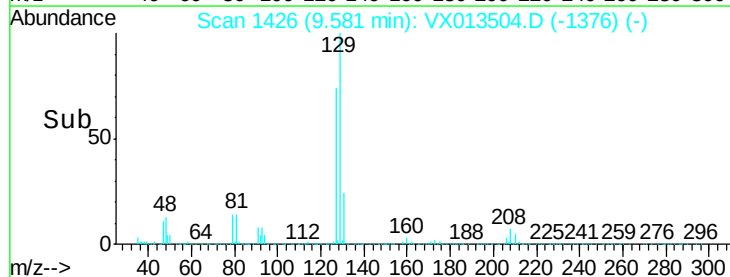
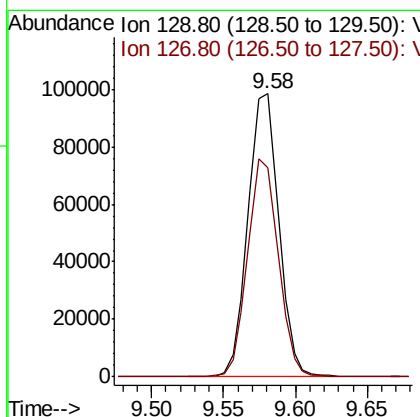
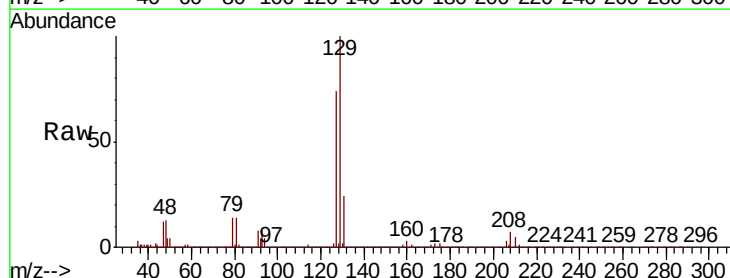
Manual Integrations
APPROVED

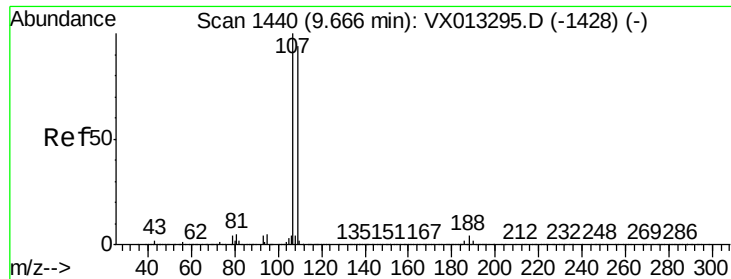
MMDadoda
11/22/2019 8:44:21 AM



#60
Dibromochloromethane
Concen: 18.137 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion: 129 Resp: 145502
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.007 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBS02

Tot Ion: 107 Resp: 149991

Ion Ratio Lower Upper

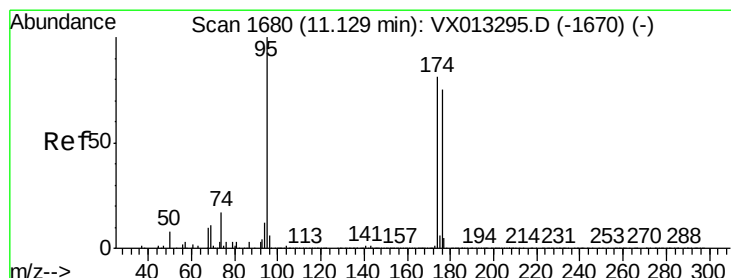
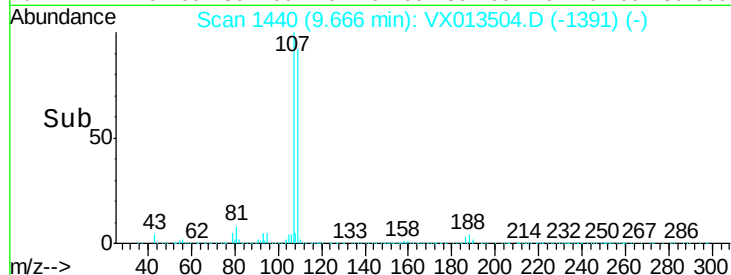
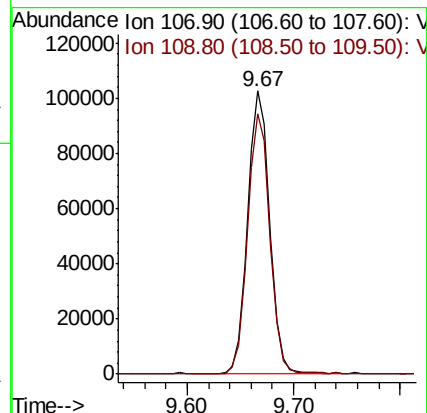
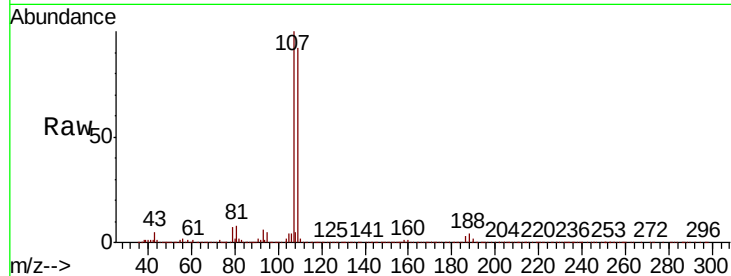
107 100

109 92.5 75.1 112.7

Manual Integrations
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MMDadoda

11/22/2019 8:44:21 AM



#62

4-Bromofluorobenzene

Concen: 40.509 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

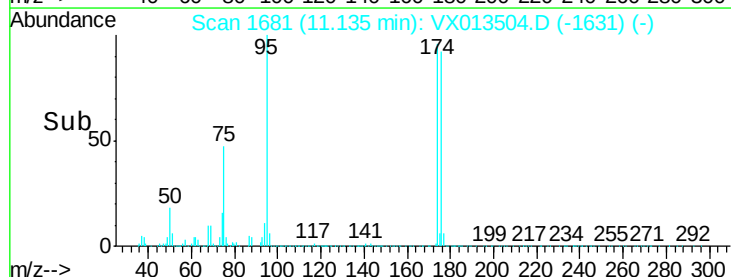
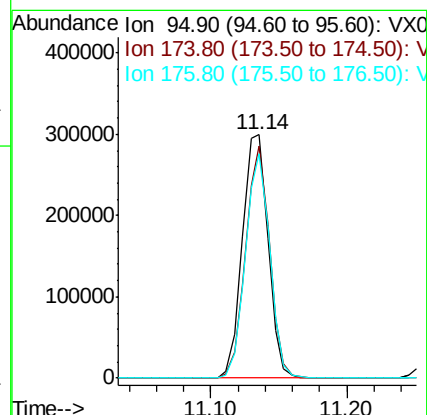
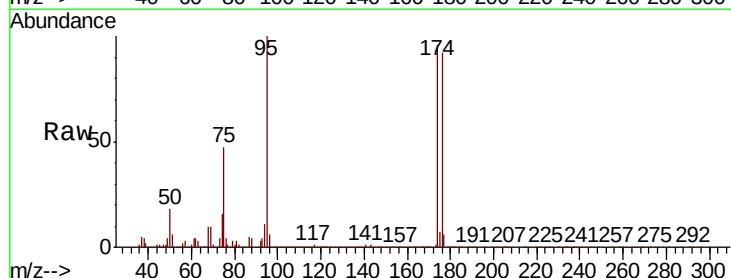
Tgt Ion: 95 Resp: 394997

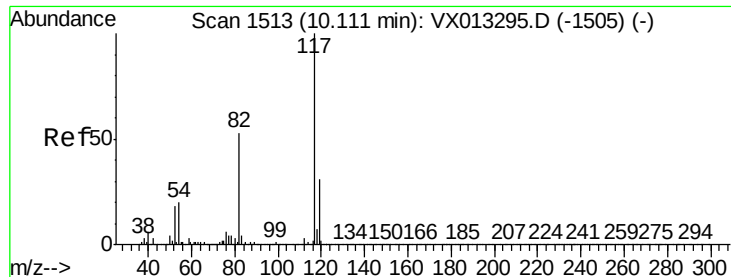
Ion Ratio Lower Upper

95 100

174 89.2 0.0 179.8

176 87.3 0.0 173.0





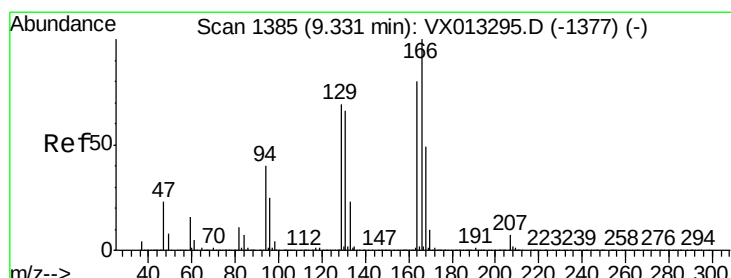
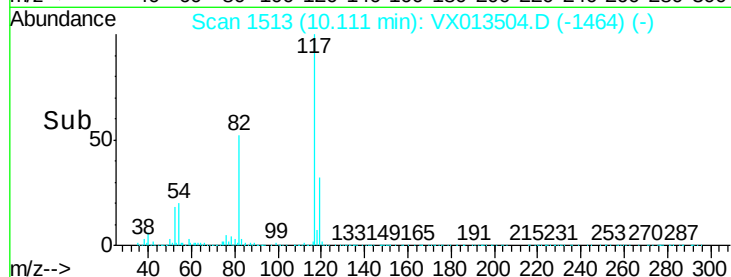
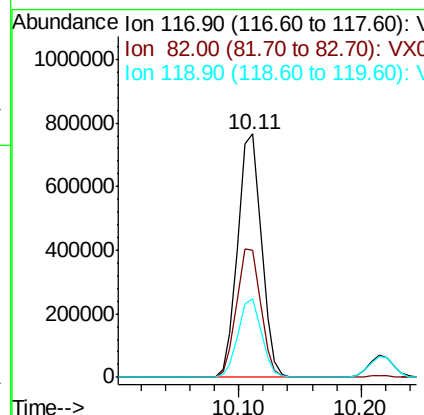
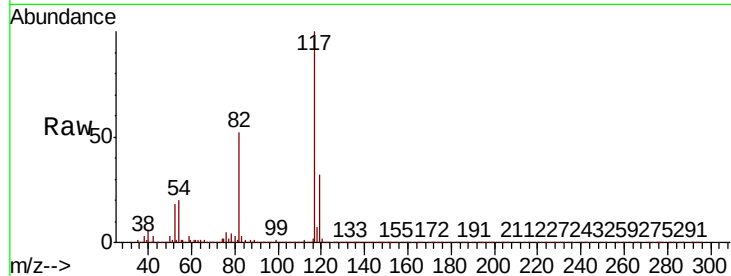
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.6	64.0
119	32.1	24.8	37.2

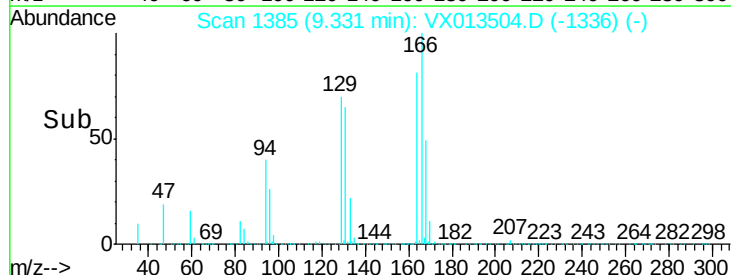
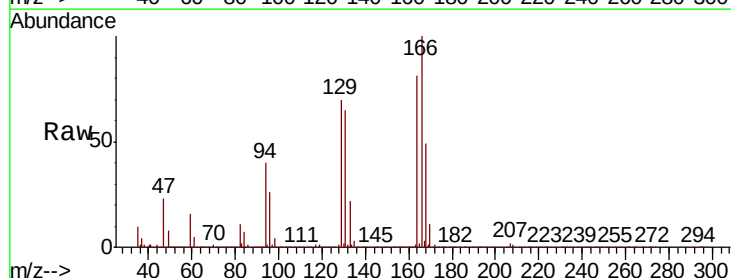
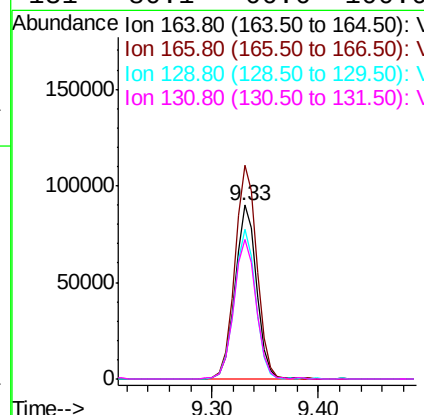
Manual Integrations
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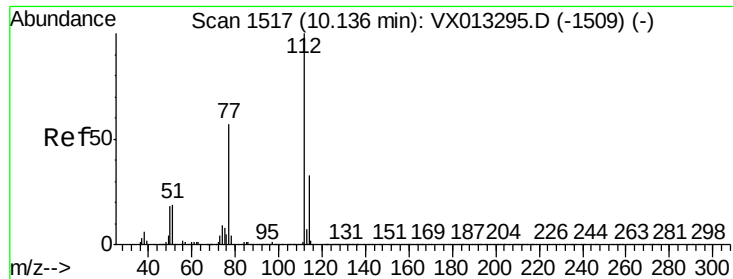
MMDadoda
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#64
Tetrachloroethene
Concen: 17.360 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	100.4	150.6
129	85.7	69.4	104.2
131	80.1	66.6	100.0





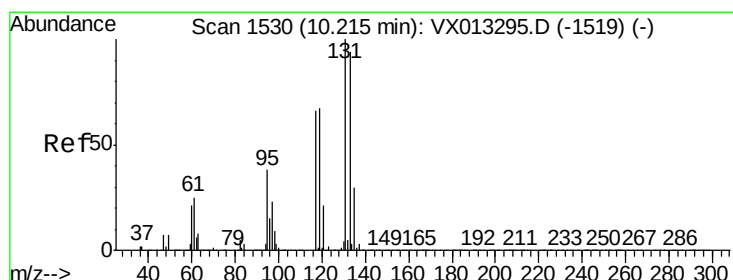
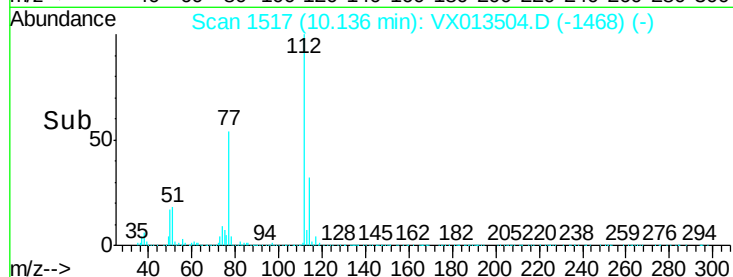
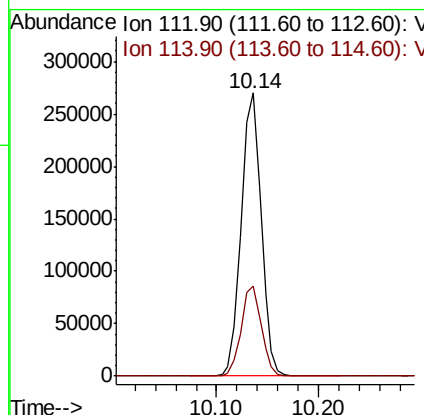
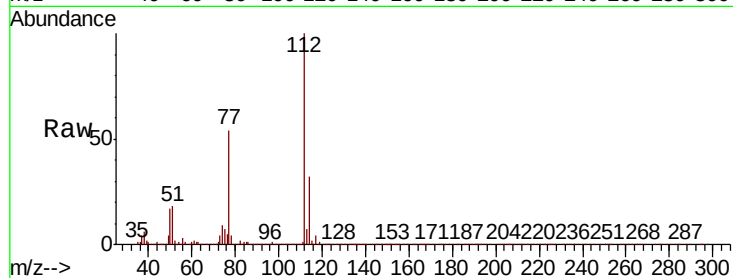
#65
Chlorobenzene
Concen: 17.578 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.4	39.6

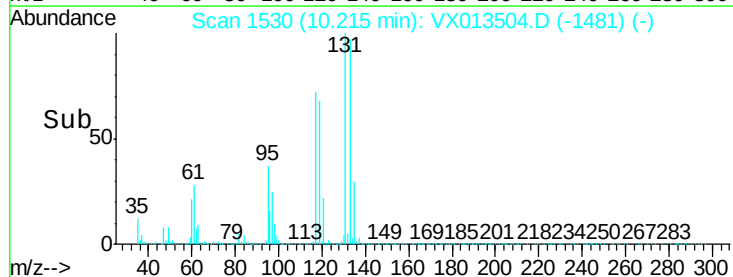
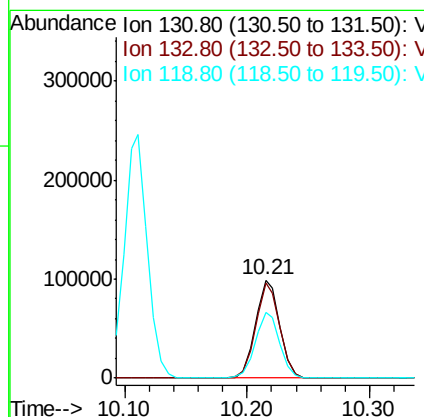
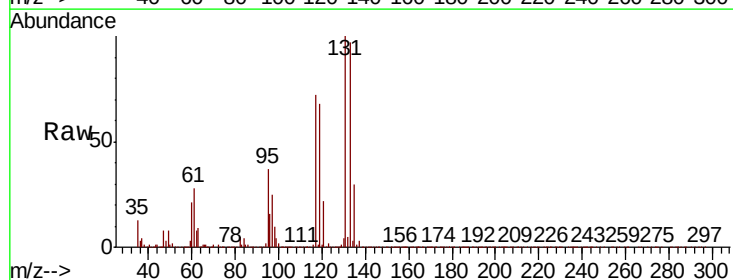
Manual Integrations
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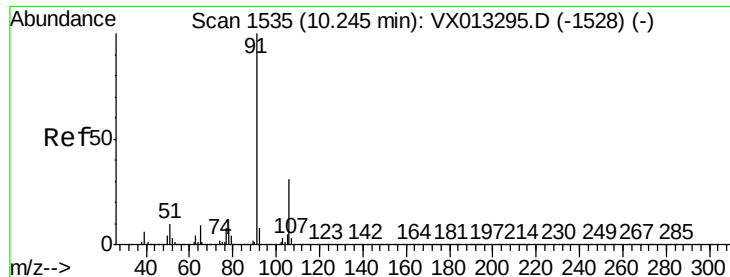
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.863 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.0	144.0
119	67.2	33.0	99.0





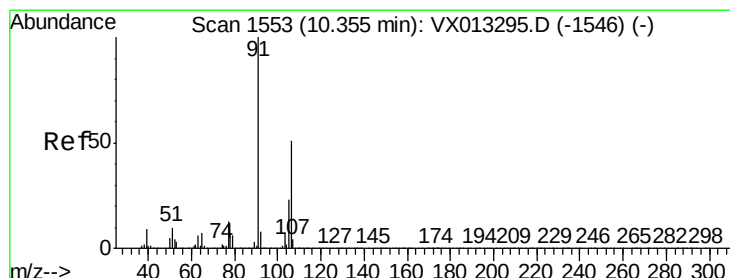
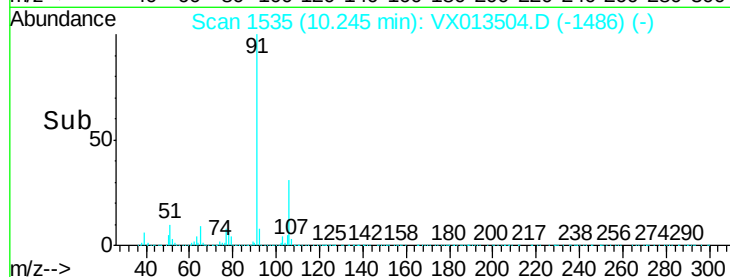
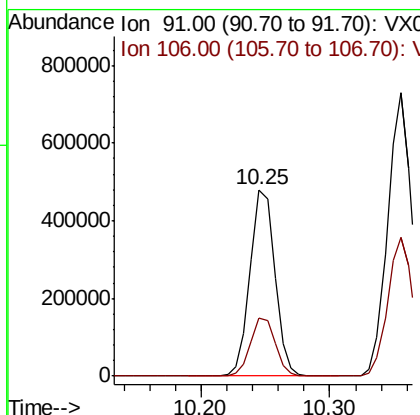
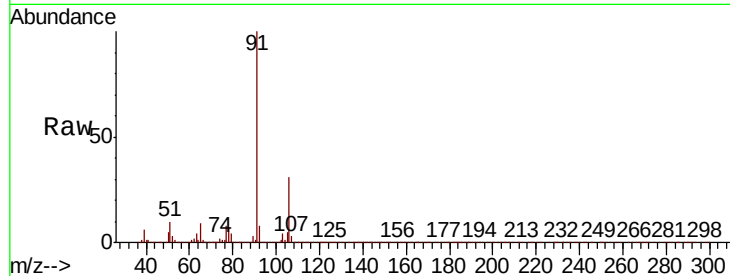
#67
Ethyl Benzene
Concen: 17.826 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion: 91 Resp: 636762
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8

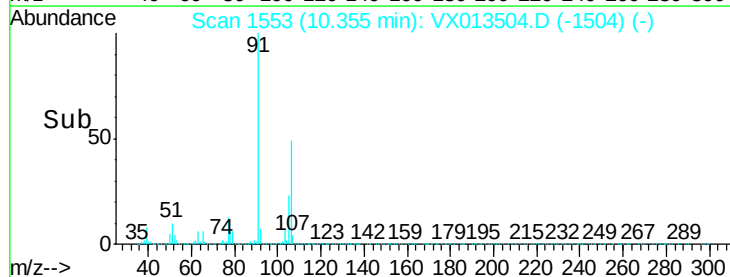
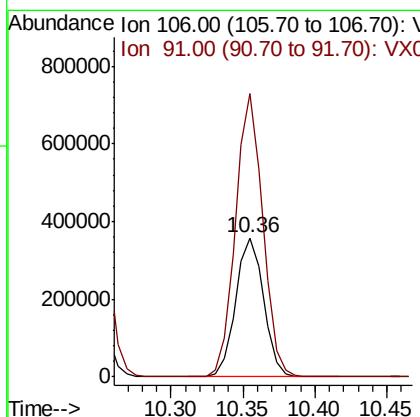
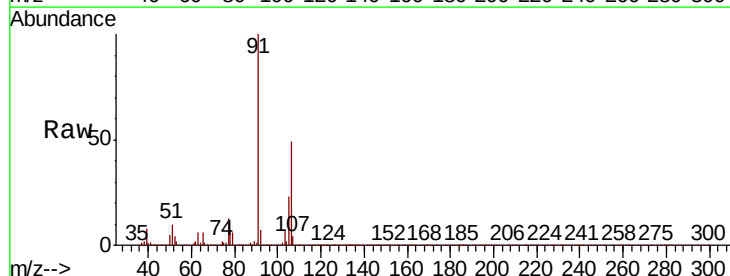
Manual Integrations
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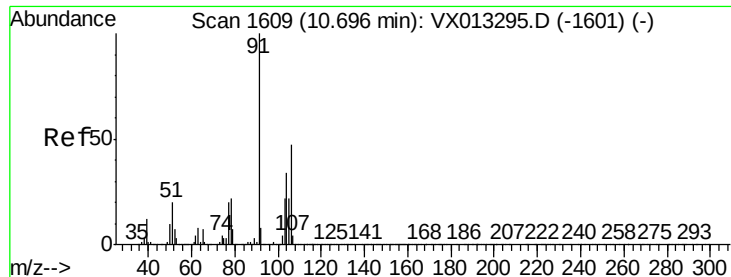
MMDadoda
11/22/2019 8:44:21 AM



#68
m/p-Xylenes
Concen: 35.850 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion: 106 Resp: 484310
Ion Ratio Lower Upper
106 100
91 199.4 159.3 238.9





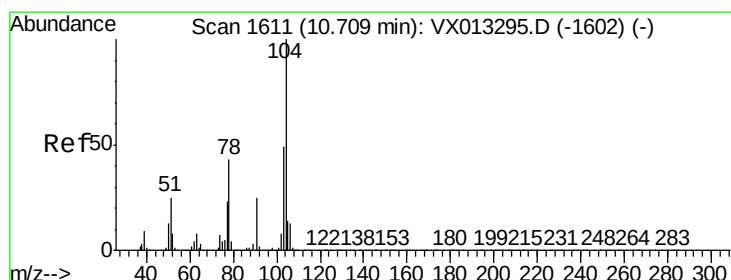
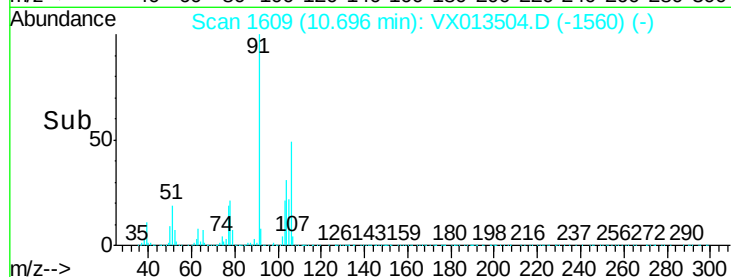
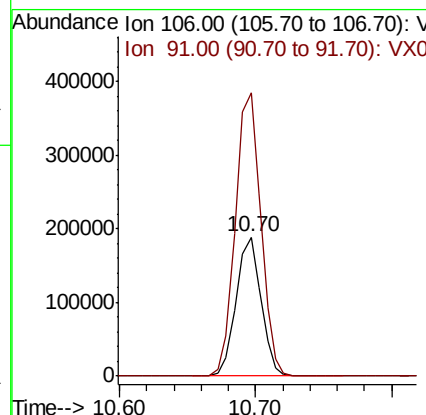
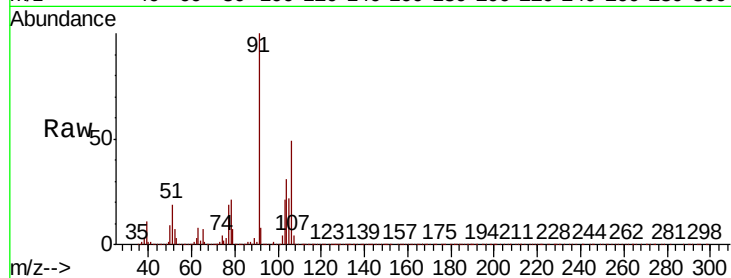
#69
o-Xylene
Concen: 18.197 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.2	105.7	317.0

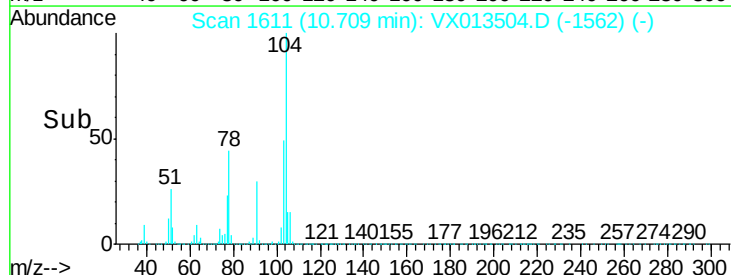
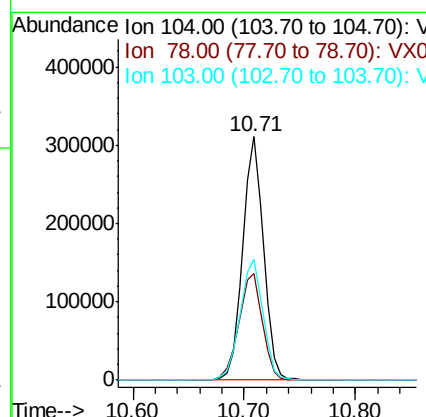
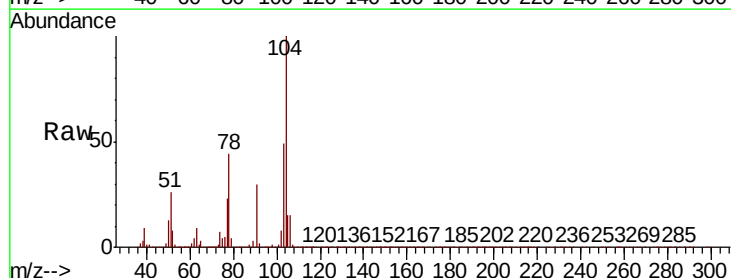
Manual Integrations
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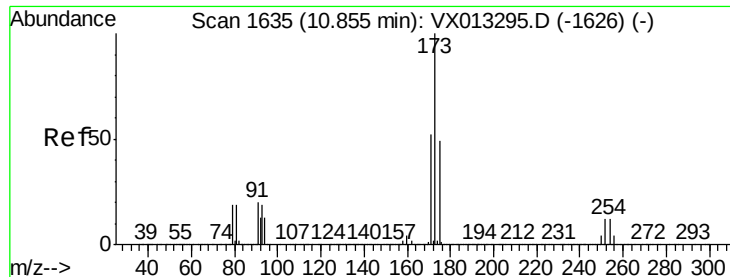
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#70
Styrene
Concen: 18.240 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	40.0	60.0
103	54.6	44.1	66.1





#71

Bromoform

Concen: 17.902 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBS02

Tot Ion:173 Resp: 110665

Ion Ratio Lower Upper

173 100

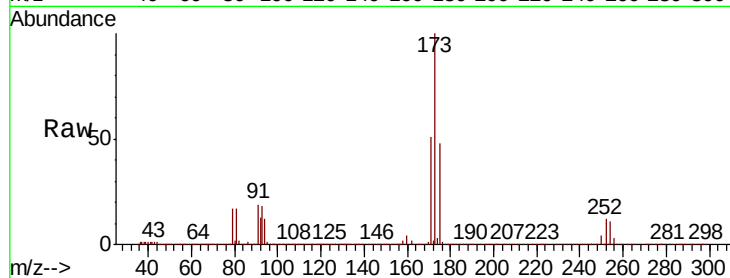
175 49.4 24.8 74.4

254 0.3 0.2 0.2#

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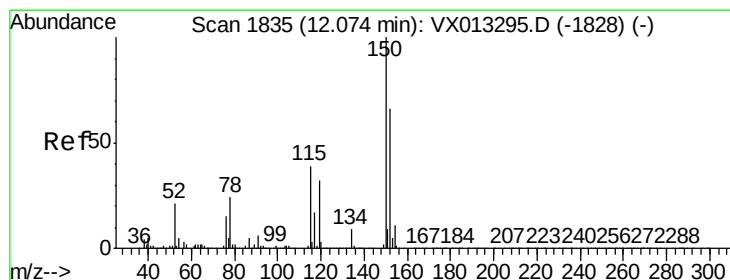
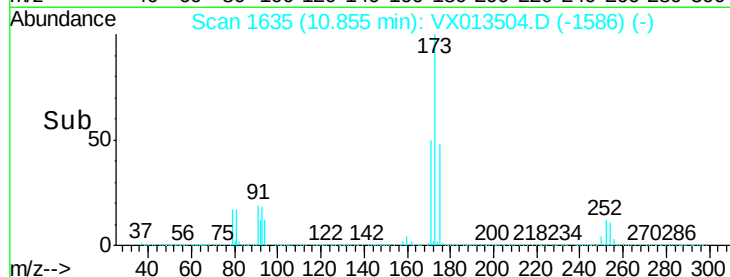
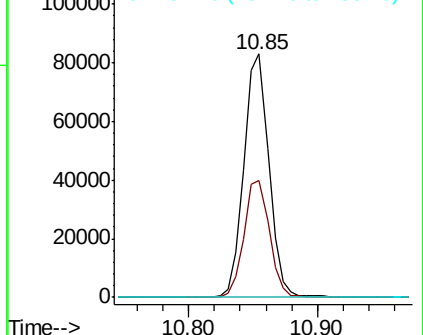
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

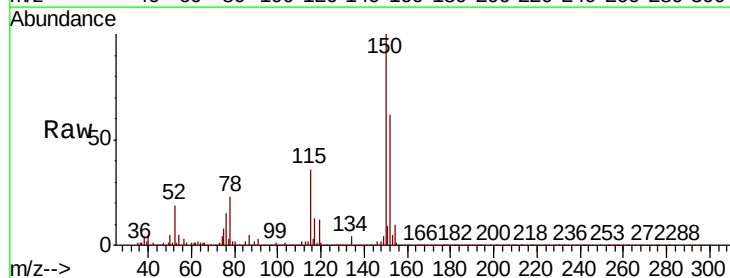
Tgt Ion:152 Resp: 497325

Ion Ratio Lower Upper

152 100

115 62.9 39.5 118.3

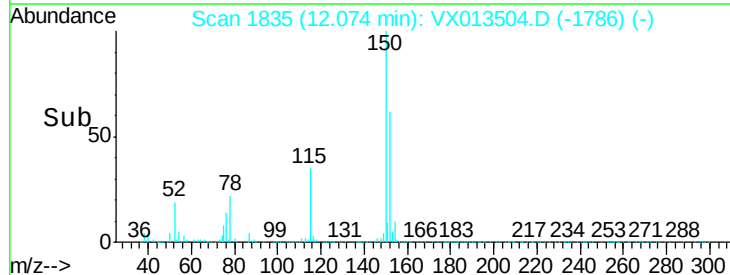
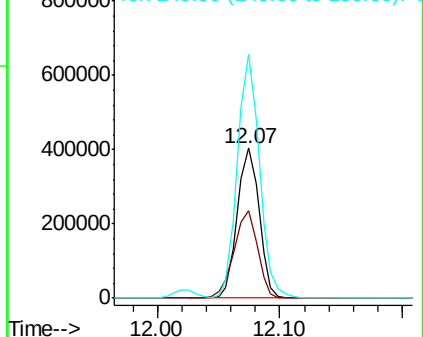
150 163.6 0.0 344.4

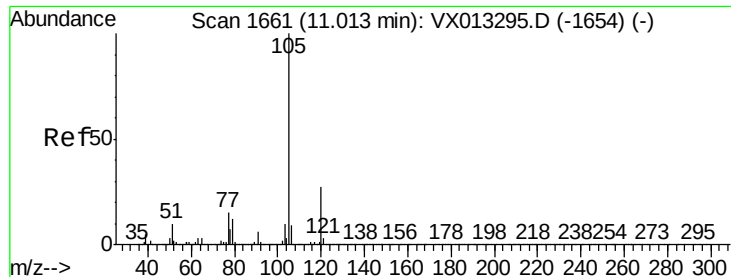


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.330 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBS02

Tot Ion: 105 Resp: 637362

Ion Ratio Lower Upper

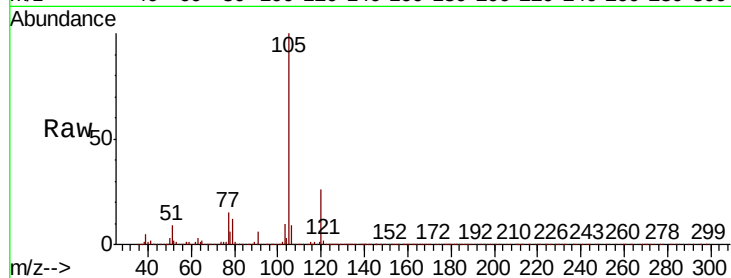
105 100

120 26.7 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

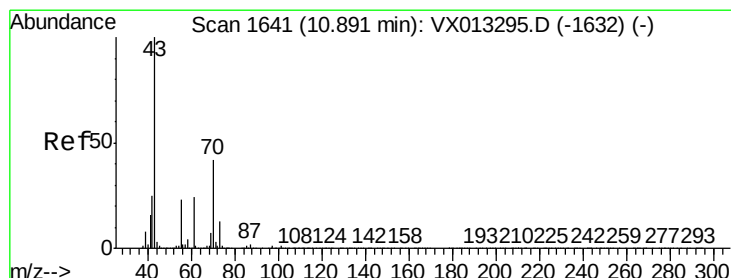
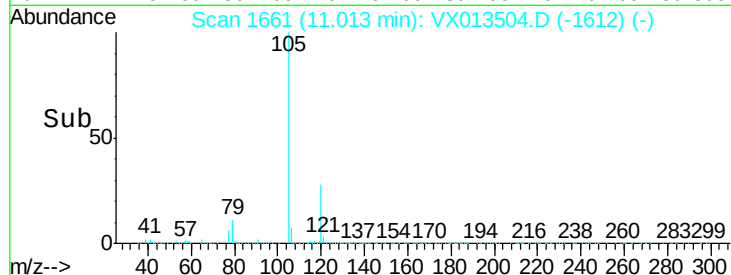
100000

0

11.01

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.703 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Tgt Ion: 43 Resp: 301273

Ion Ratio Lower Upper

43 100

70 43.0 34.1 51.1

55 24.1 18.9 28.3

61 24.9 19.2 28.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

400000

300000

200000

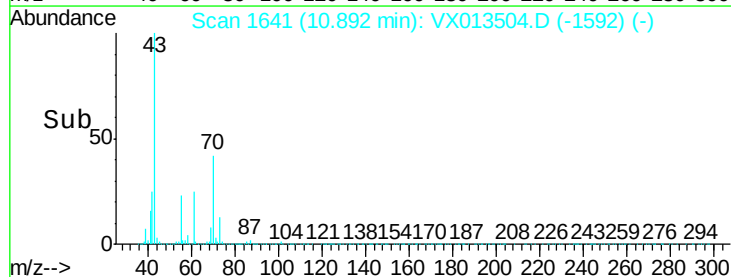
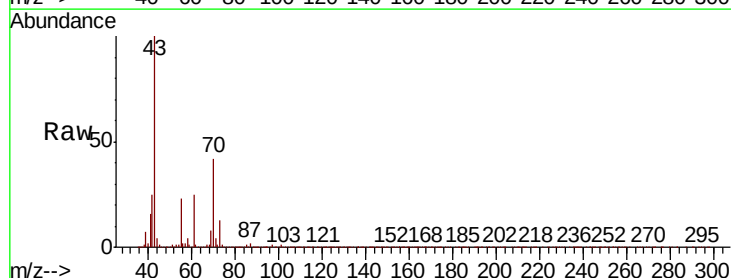
100000

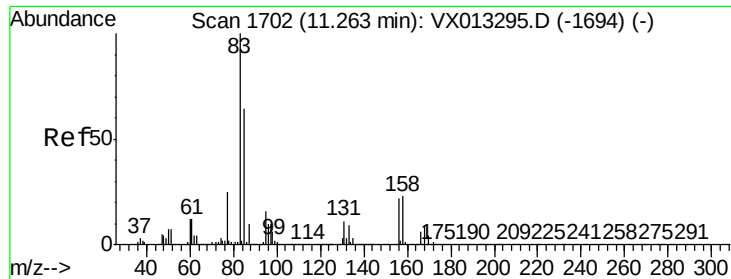
0

10.89

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.224 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

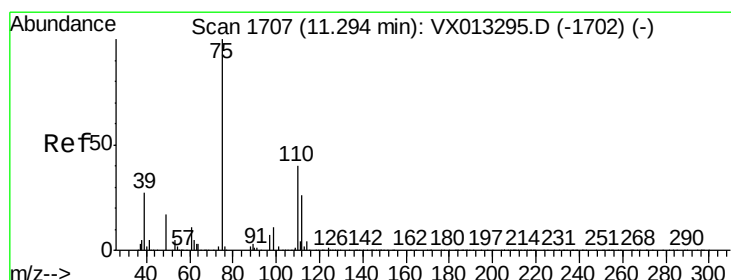
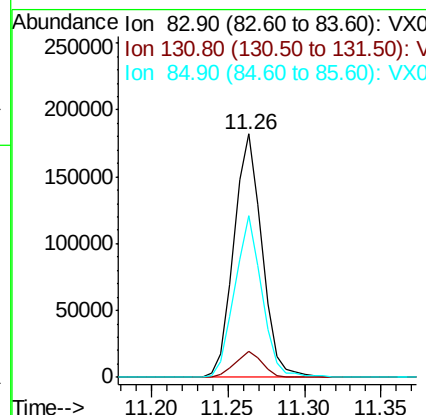
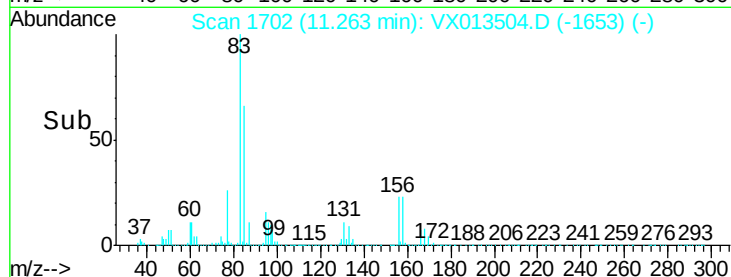
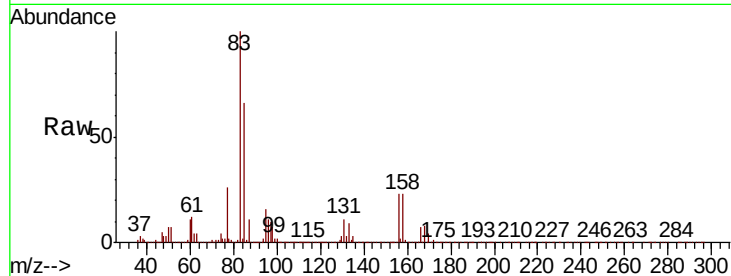
ClientSampleId :

VX1121WBS02

Tot Ion:	83	Resp:	231247
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	64.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.181 ug/l m

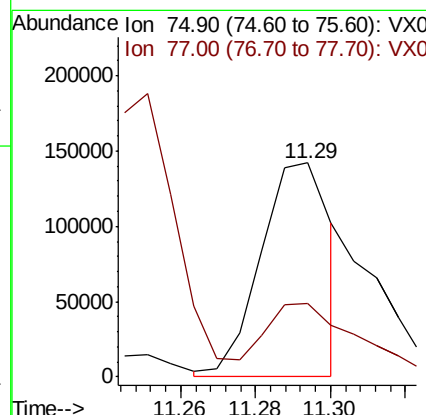
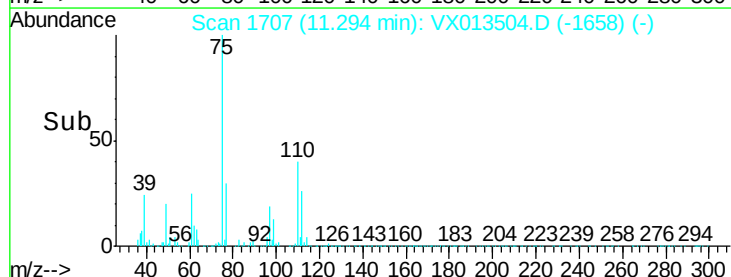
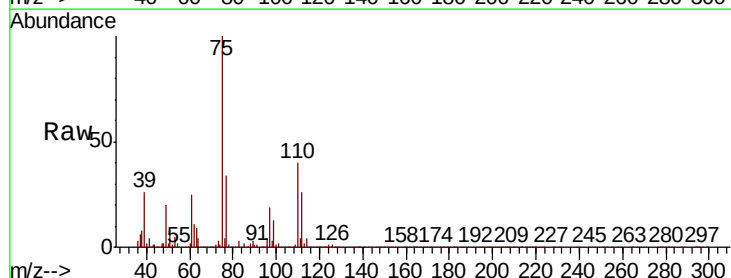
RT: 11.29 min Scan# 1707

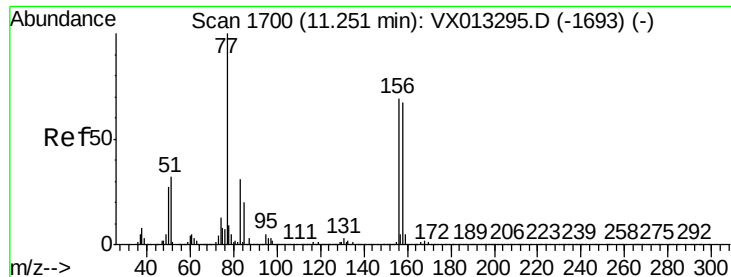
Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Tgt Ion:	75	Resp:	183656
Ion Ratio	Lower	Upper	
75	100		
77	44.9	22.3	66.8





#77

Bromobenzene

Concen: 18.876 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

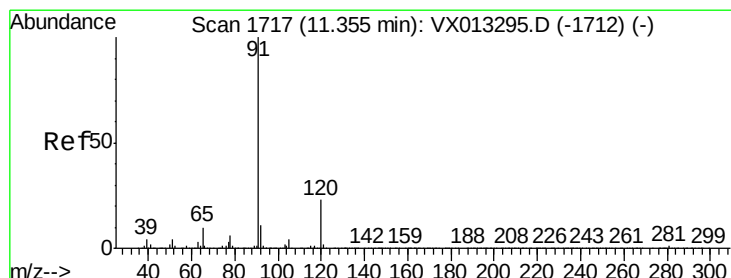
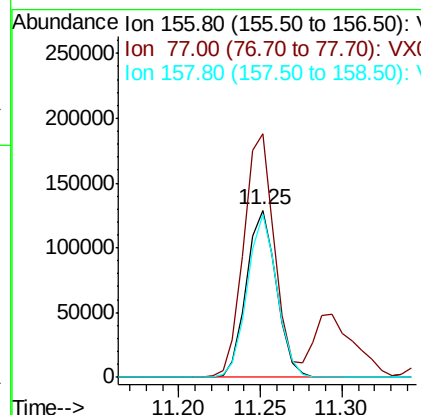
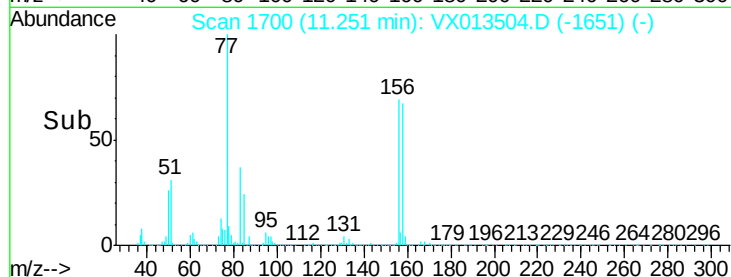
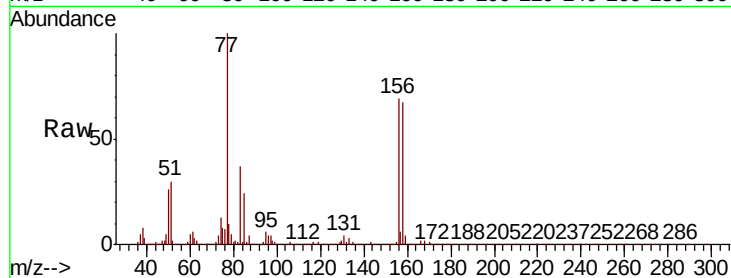
ClientSampleId :

VX1121WBS02

Tot Ion:	156	Resp:	165926
Ion Ratio	Lower	Upper	
156	100		
77	150.2	75.8	227.4
158	96.4	47.6	142.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.195 ug/l

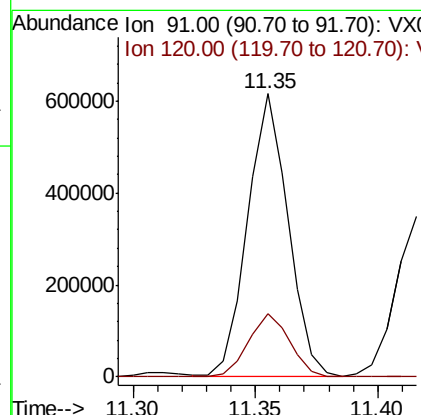
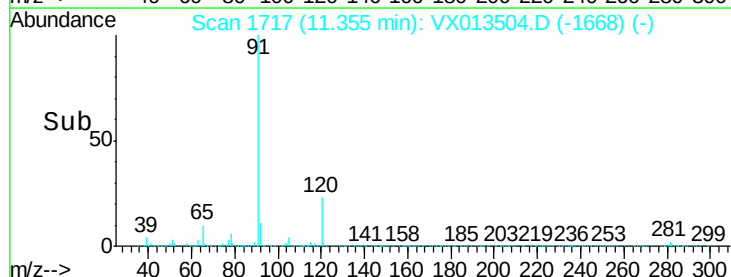
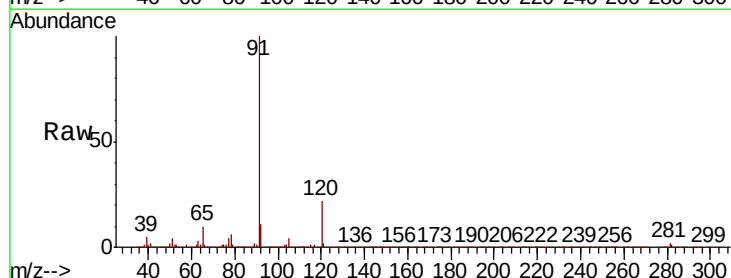
RT: 11.35 min Scan# 1717

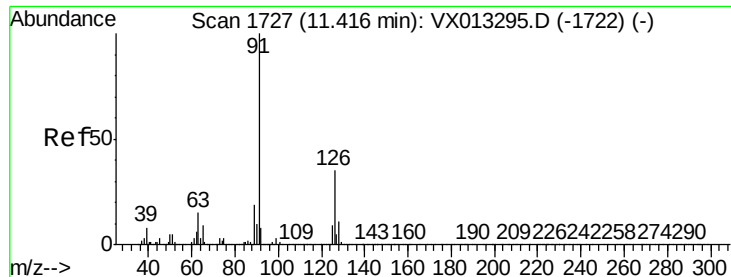
Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Tgt Ion:	91	Resp:	705051
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.6	34.8





#79

2-Chlorotoluene

Concen: 19.028 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBS02

Tot Ion: 91 Resp: 421089

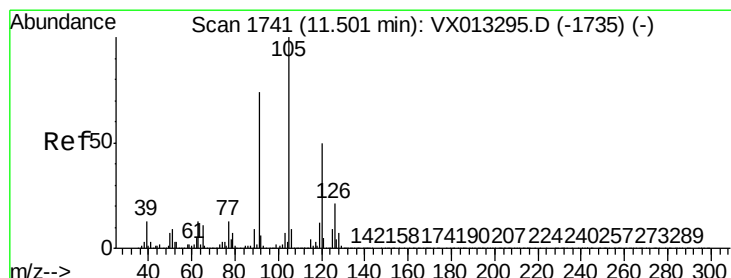
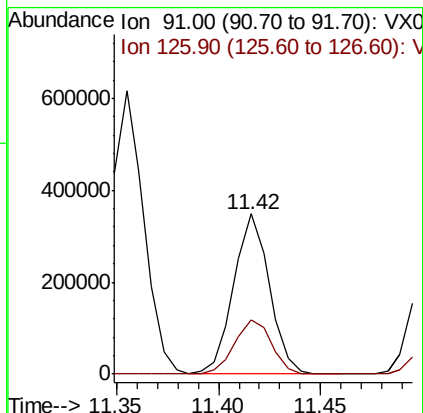
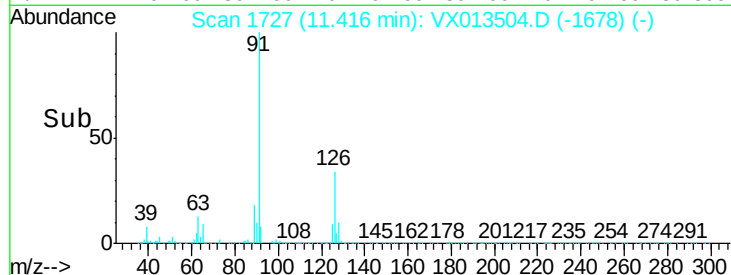
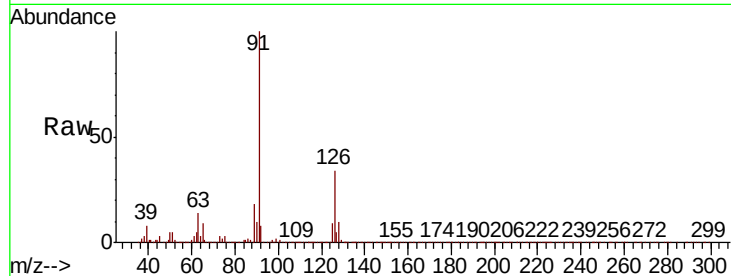
Ion Ratio Lower Upper

91 100

126 35.2 17.3 52.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.311 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013504.D

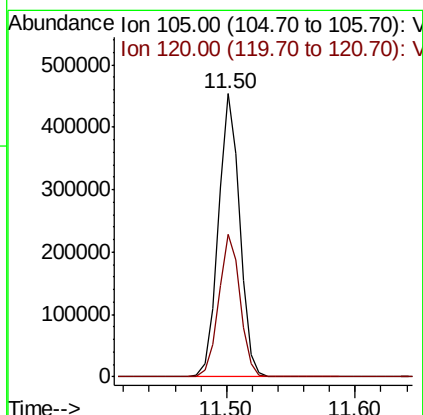
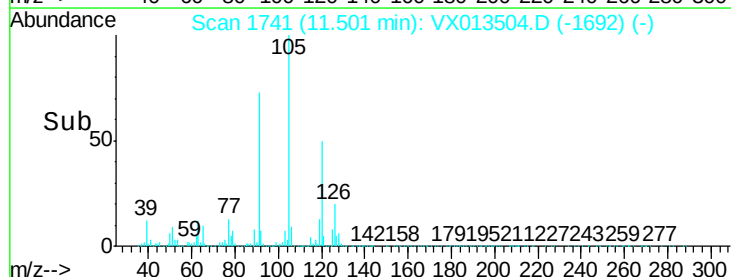
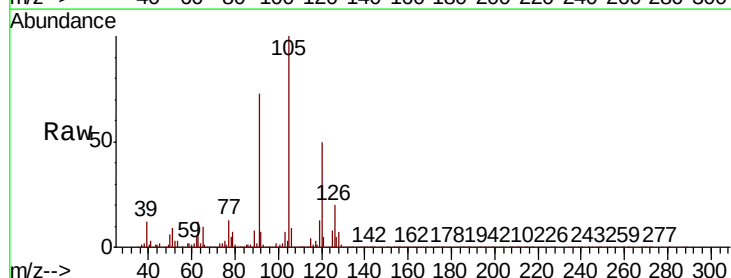
Acq: 21 Nov 2019 15:36

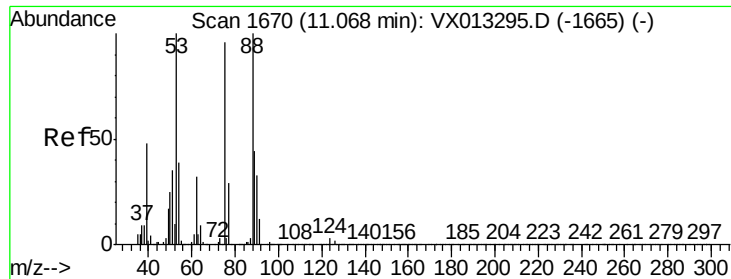
Tgt Ion: 105 Resp: 530389

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.8





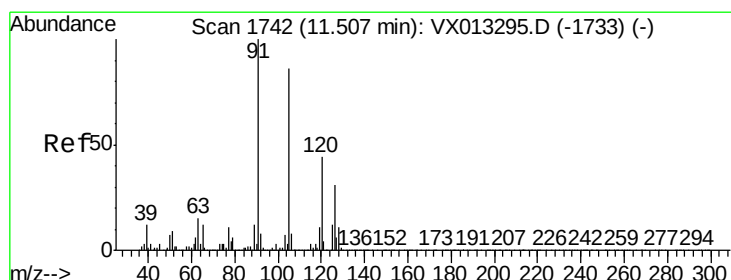
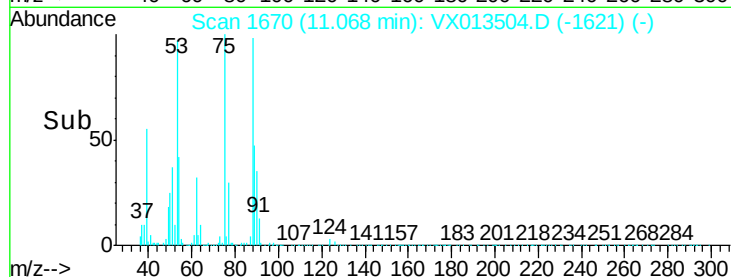
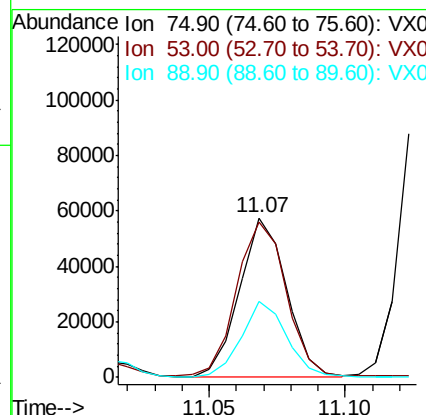
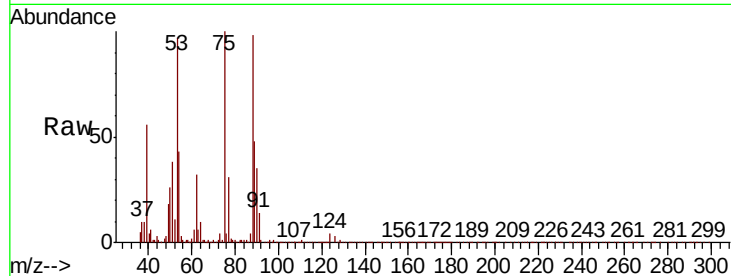
#81
trans-1,4-Dichloro-2-butene
Concen: 17.462 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.8	81.0	121.6
89	46.1	36.0	54.0

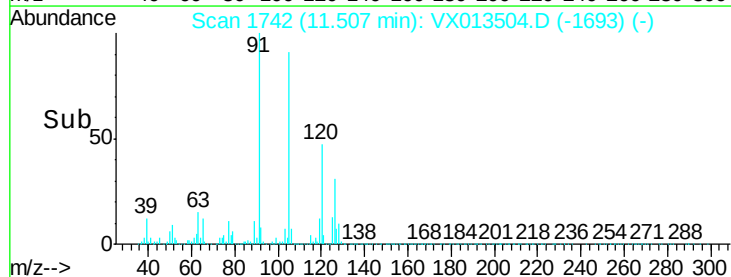
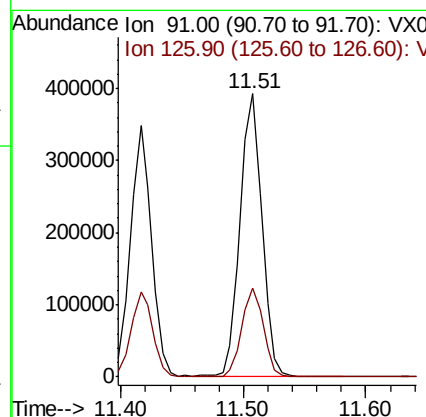
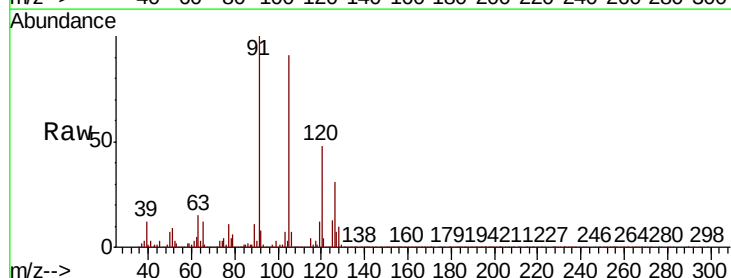
Manual Integrations
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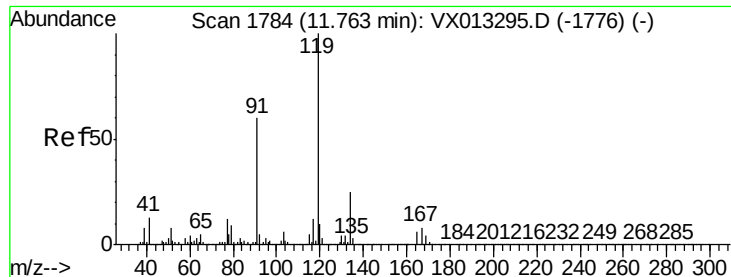
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#82
4-Chlorotoluene
Concen: 18.636 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.3	45.8





#83

tert-Butylbenzene

Concen: 19.694 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

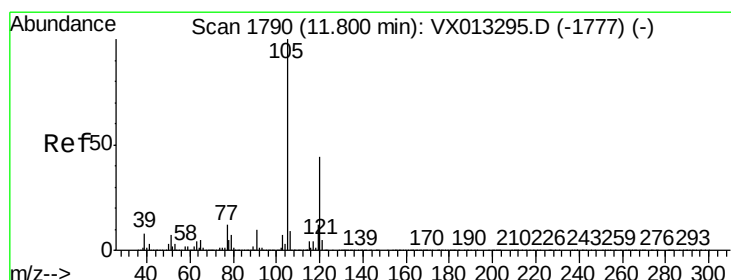
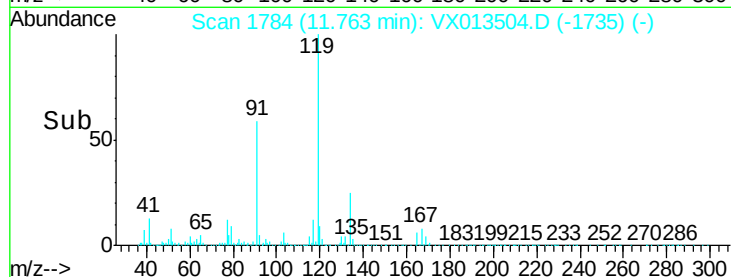
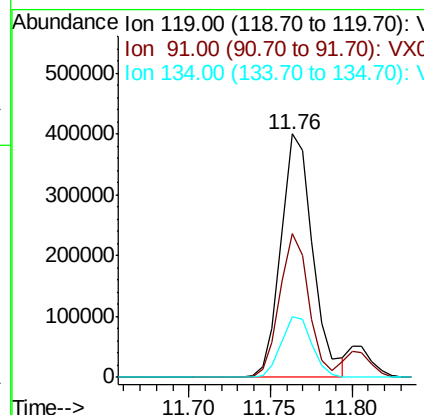
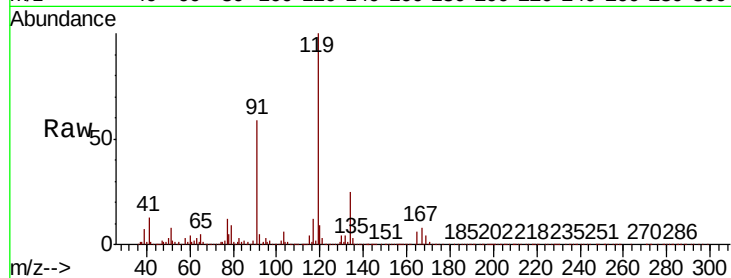
ClientSampleId :

VX1121WBS02

Tot Ion:	119	Resp:	544502
Ion Ratio	Lower	Upper	
119	100		
91	53.7	26.9	80.7
134	24.1	11.7	35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.653 ug/l

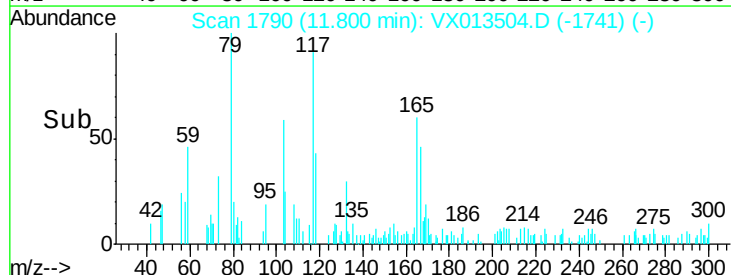
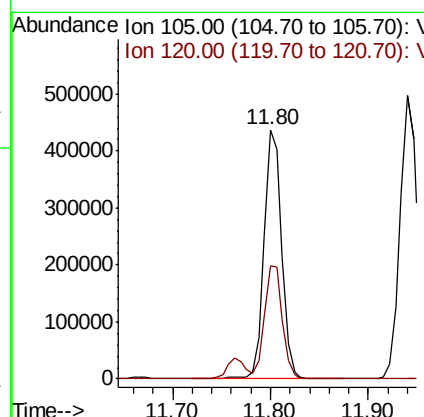
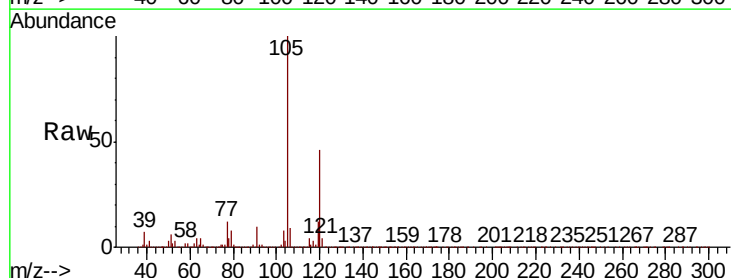
RT: 11.80 min Scan# 1790

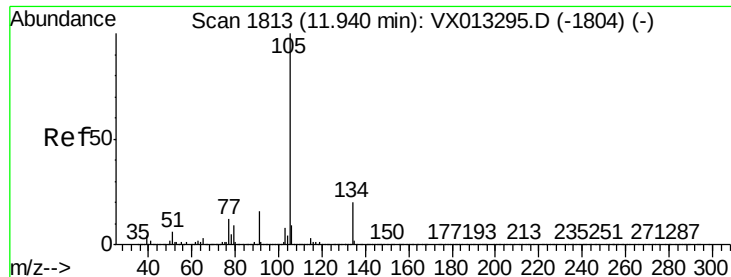
Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Tgt Ion:	105	Resp:	541479
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.7	68.1





#85

sec-Butylbenzene

Concen: 19.143 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBS02

Tot Ion:105 Resp: 608268

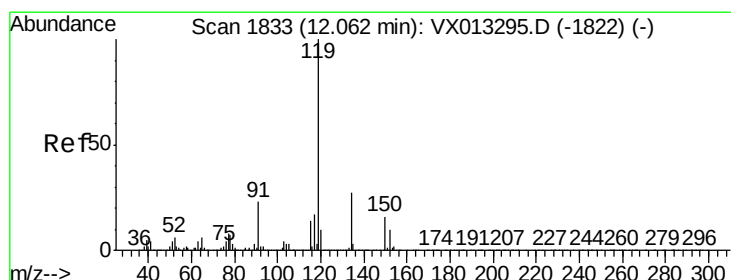
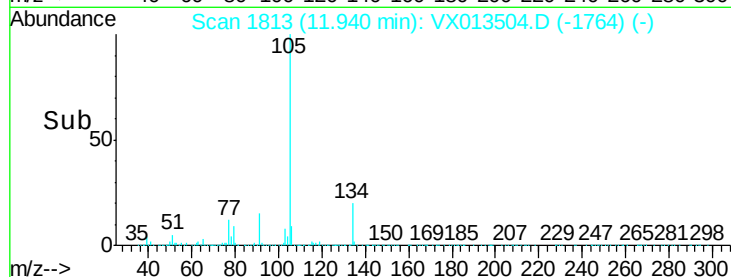
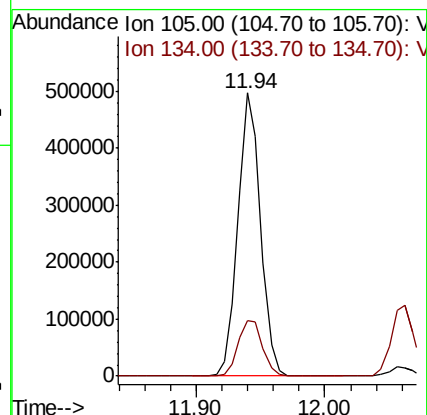
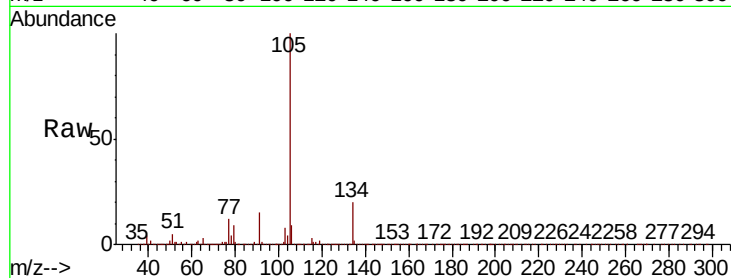
Ion Ratio Lower Upper

105 100

134 21.2 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 19.083 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

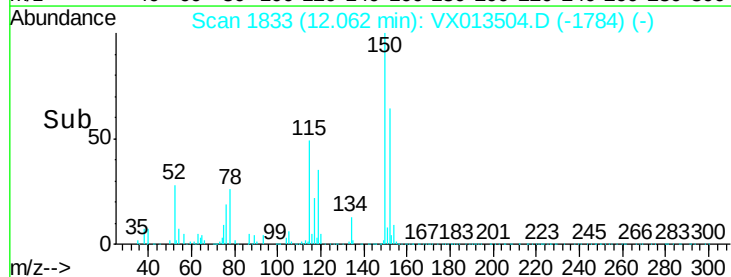
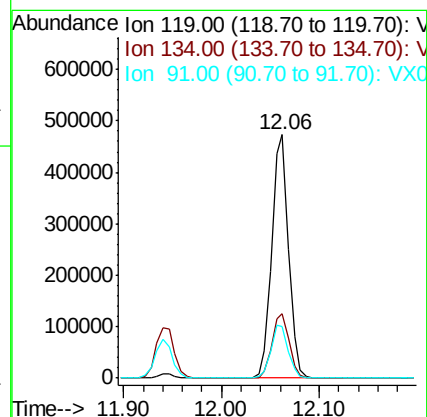
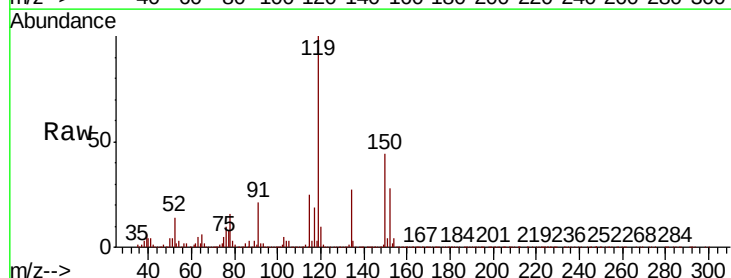
Tgt Ion:119 Resp: 558369

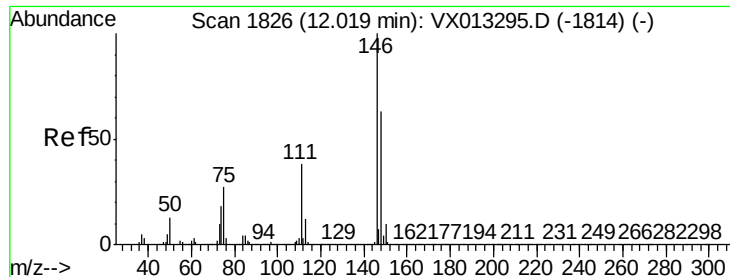
Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.8

91 22.6 11.5 34.4





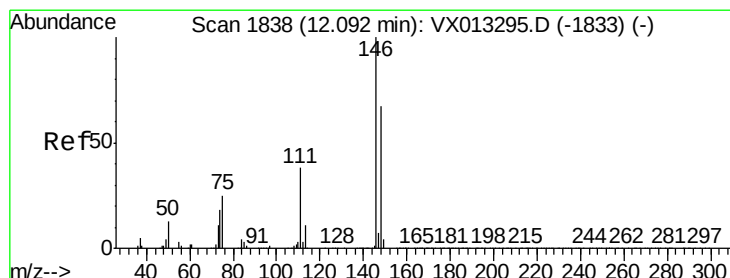
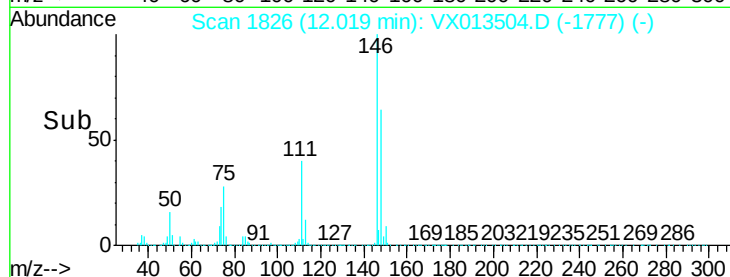
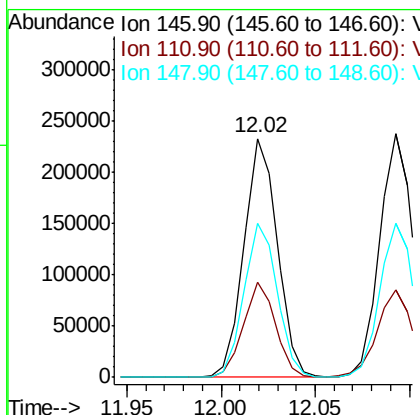
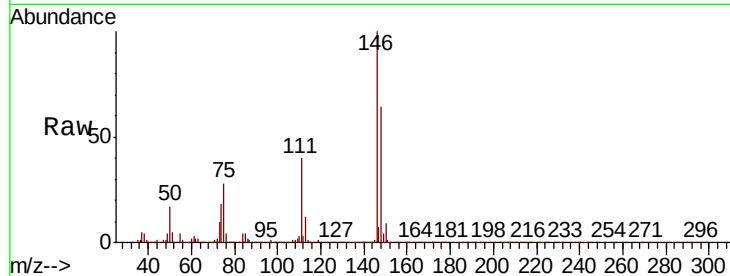
#87
 1,3-Dichlorobenzene
 Concen: 18.331 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013504.D
 Acq: 21 Nov 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.5
148	64.4	31.9	95.7

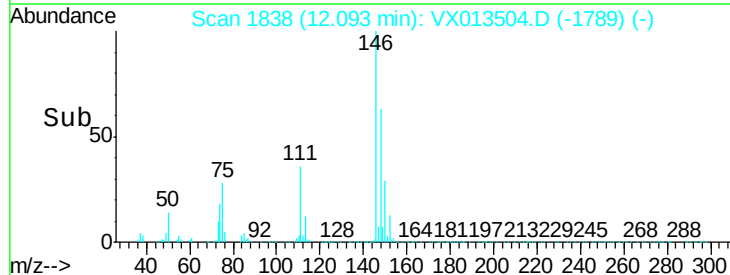
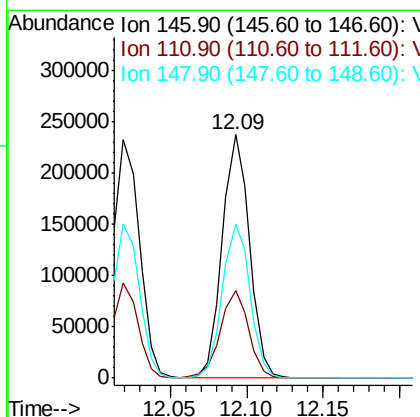
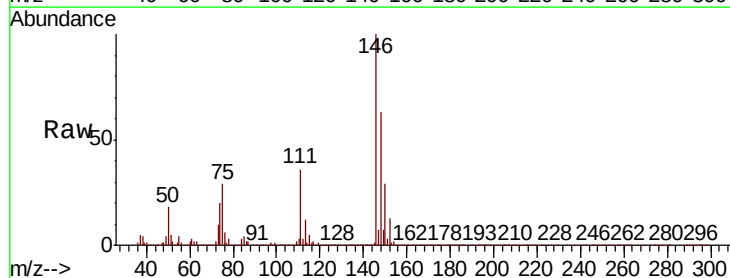
Manual Integrations
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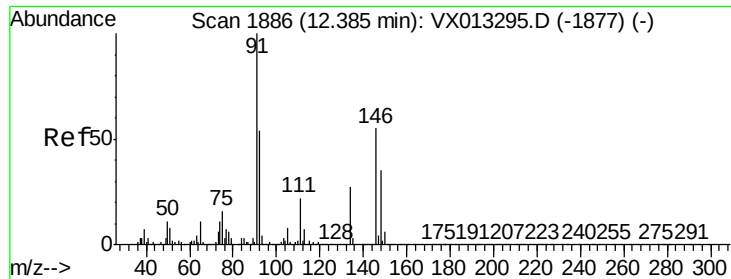
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#88
 1,4-Dichlorobenzene
 Concen: 18.396 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013504.D
 Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	63.9	32.4	97.0





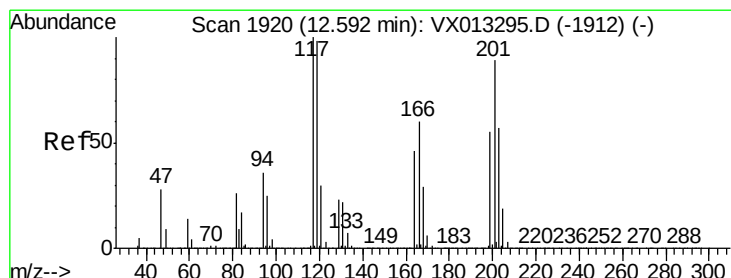
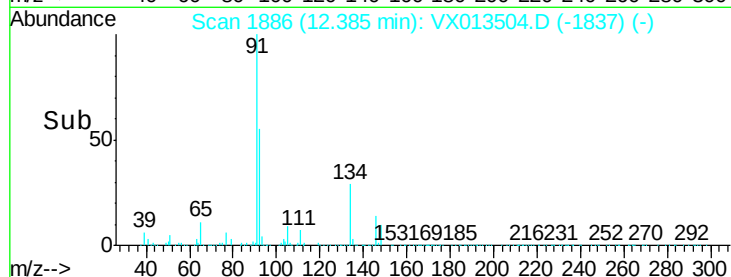
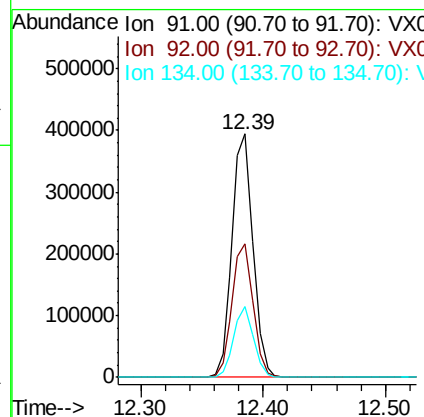
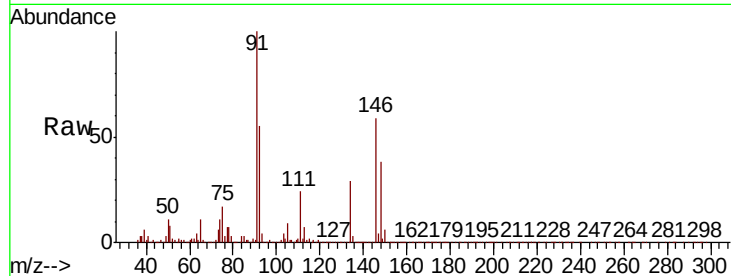
#89
n-Butylbenzene
Concen: 18.196 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	464570		
92	55.1	27.3	81.8	
134	27.5	13.5	40.5	

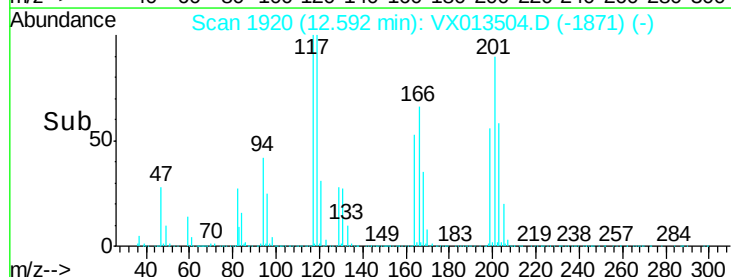
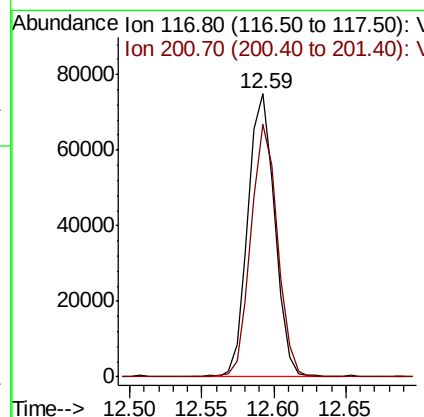
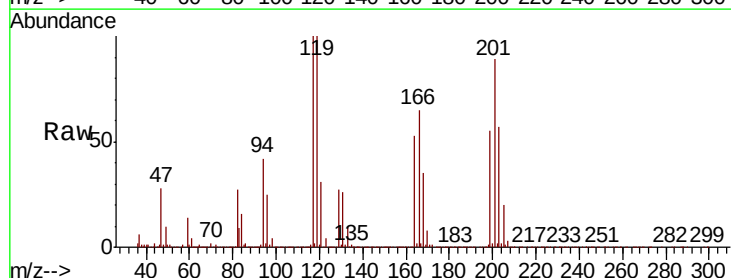
Manual Integrations
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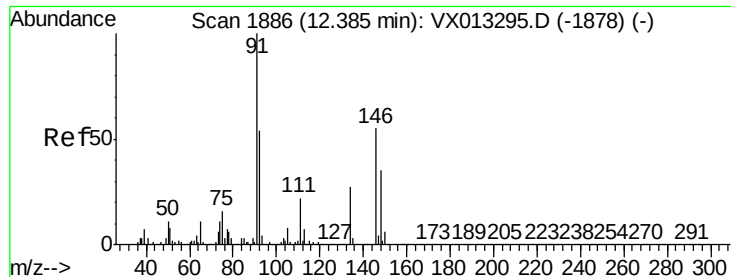
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#90
Hexachloroethane
Concen: 18.612 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	97026		
201	87.8	43.9	131.7	





#91

1,2-Dichlorobenzene

Concen: 18.808 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Instrument :

MSVOA_X

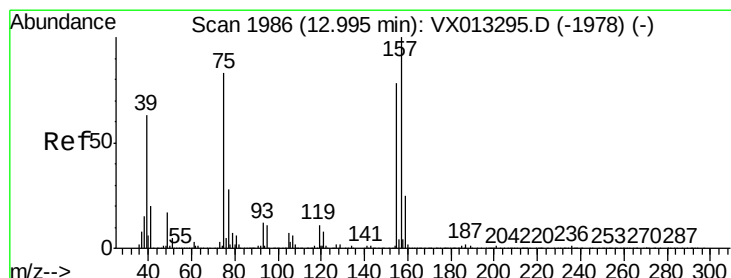
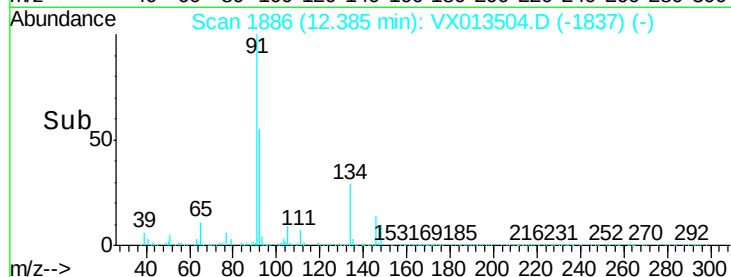
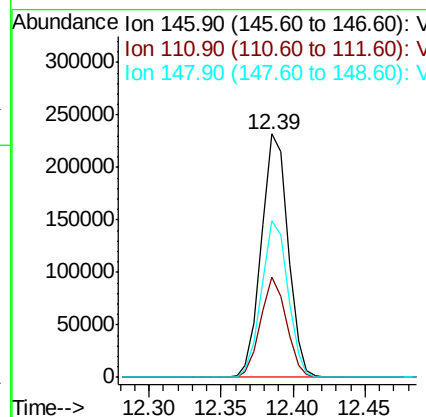
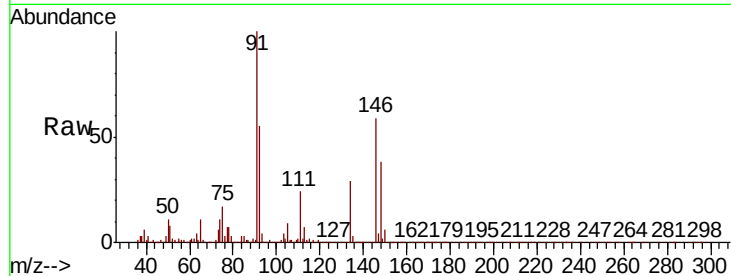
ClientSampleId :

VX1121WBS02

Tot Ion:	146	Resp:	294580
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.1	60.2
148	64.3	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.080 ug/l

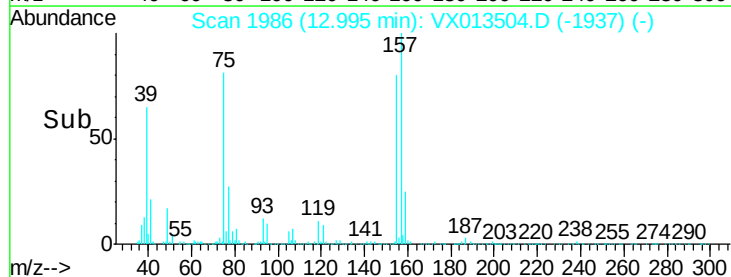
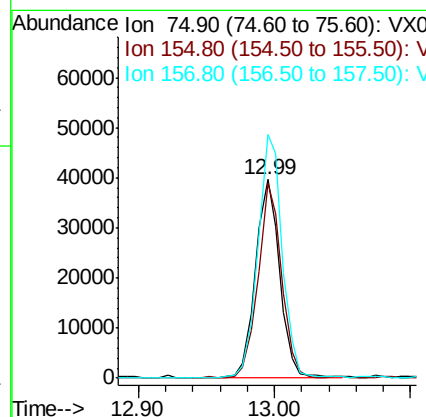
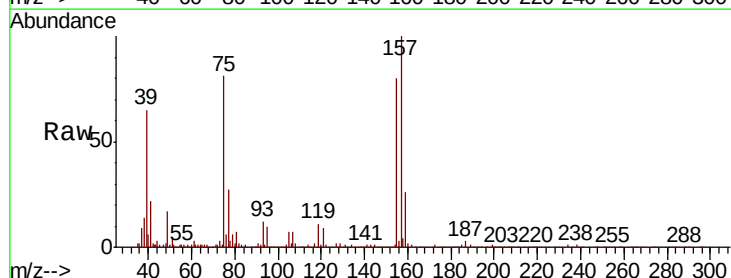
RT: 12.99 min Scan# 1986

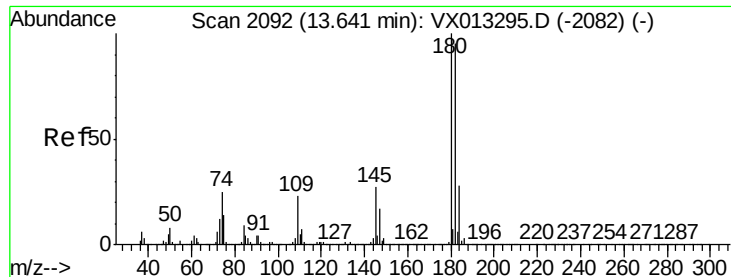
Delta R.T. 0.00 min

Lab File: VX013504.D

Acq: 21 Nov 2019 15:36

Tgt Ion:	75	Resp:	50056
Ion Ratio	Lower	Upper	
75	100		
155	93.3	47.1	141.4
157	122.7	61.3	183.8





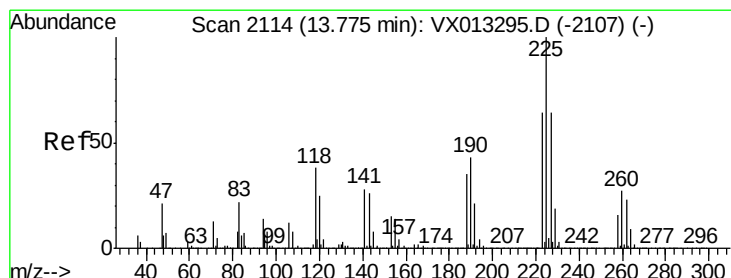
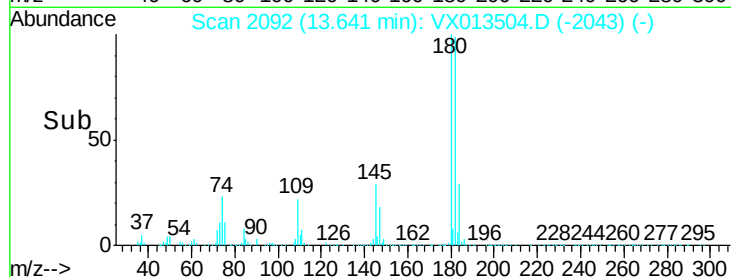
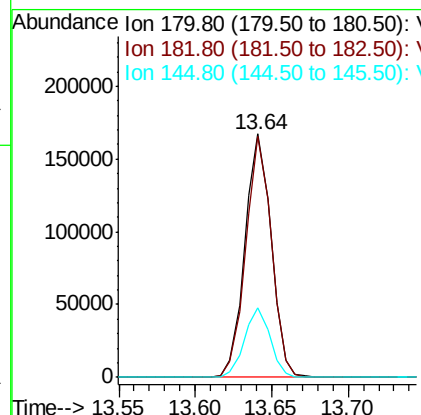
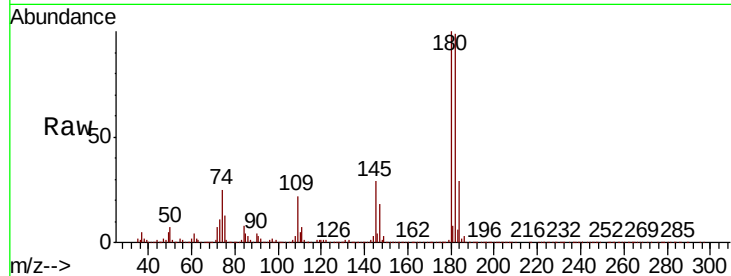
#93
 1,2,4-Trichlorobenzene
 Concen: 18.230 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013504.D
 Acq: 21 Nov 2019 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	199164		
182	96.8	48.4	145.0	
145	28.2	14.1	42.4	

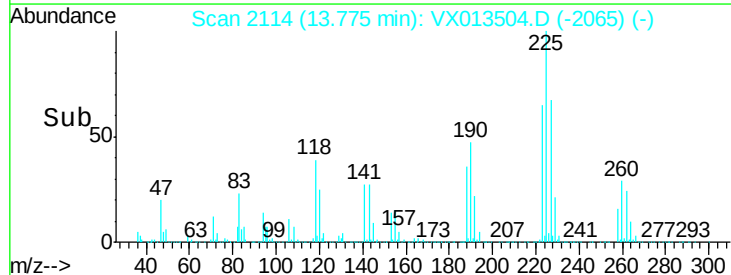
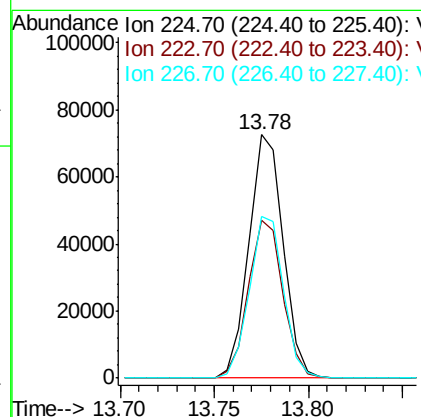
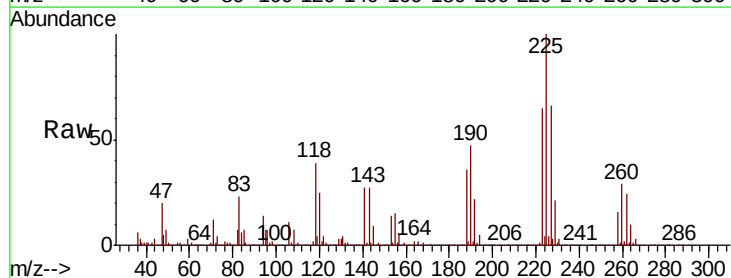
Manual Integrations
 APPROVED

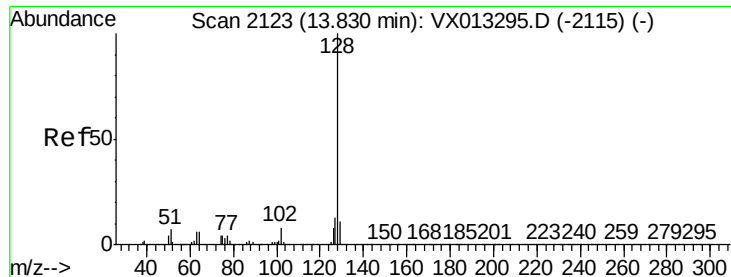
MMDadoda
 11/22/2019 8:44:21 AM



#94
 Hexachlorobutadiene
 Concen: 17.132 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013504.D
 Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91570		
223	66.0	31.9	95.7	
227	66.2	31.9	95.9	





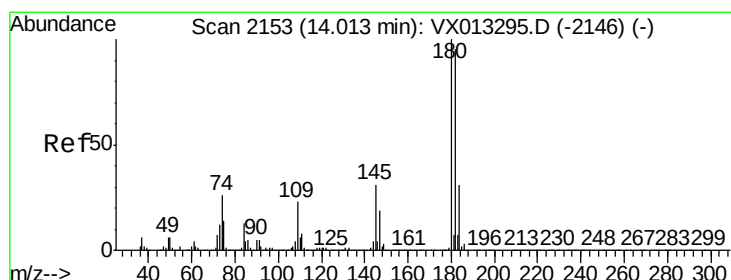
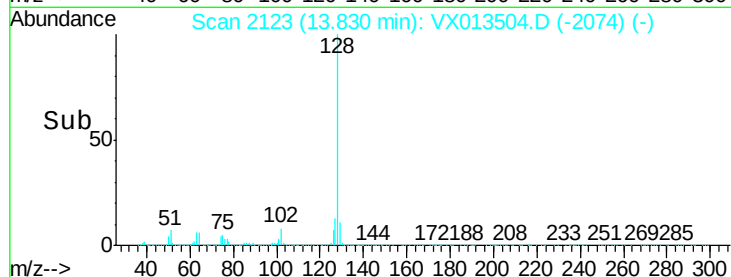
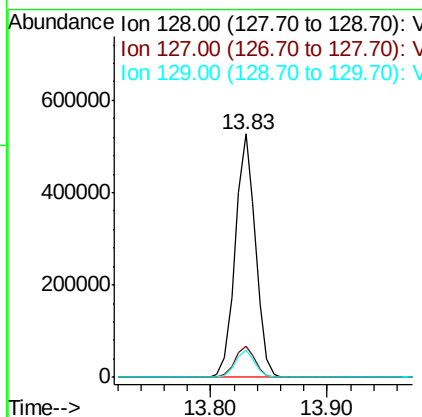
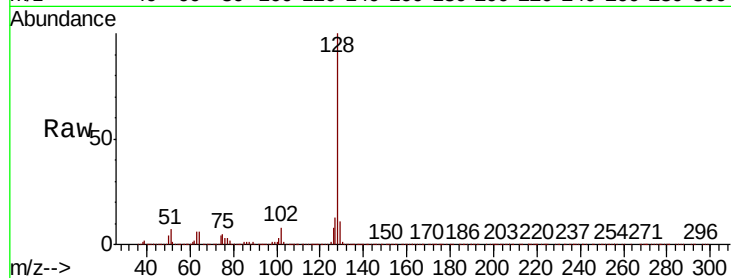
#95
Naphthalene
Concen: 18.624 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/22/2019 8:44:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.575 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013504.D
Acq: 21 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.2
145	29.7	15.4	46.4

