

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013536.D
 Acq On : 22 Nov 2019 16:22
 Operator : JC/SP
 Sample : VX1122WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/25/2019 10:40:21 AM

Quant Time: Nov 22 17:45:42 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	669928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1038369	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	919535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	447809	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	361662	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	
35) Dibromofluoromethane	5.49	113	301878	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
50) Toluene-d8	8.71	98	1135867	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
62) 4-Bromofluorobenzene	11.13	95	402480	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	117352	15.203	ug/l	100
3) Chloromethane	1.32	50	134073	16.017	ug/l	97
4) Vinyl Chloride	1.40	62	162409	17.042	ug/l	97
5) Bromomethane	1.63	94	91925	13.842	ug/l	98
6) Chloroethane	1.72	64	90586	15.814	ug/l	99
7) Trichlorofluoromethane	1.92	101	184808	16.414	ug/l	100
8) Diethyl Ether	2.18	74	89728	18.022	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	113318	18.058	ug/l	98
10) Methyl Iodide	2.50	142	121574	15.648	ug/l	98
11) Tert butyl alcohol	3.03	59	173567	82.972	ug/l	98
12) 1,1-Dichloroethene	2.36	96	113036	18.394	ug/l	98
13) Acrolein	2.28	56	77499	68.357	ug/l	99
14) Allyl chloride	2.72	41	204931	18.354	ug/l	94
15) Acrylonitrile	3.13	53	374712	95.895	ug/l	98
16) Acetone	2.43	43	408595	103.214	ug/l	99
17) Carbon Disulfide	2.56	76	249003	15.139	ug/l	98
18) Methyl Acetate	2.76	43	216660	19.824	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	403007	19.663	ug/l	98
20) Methylene Chloride	2.84	84	132196	18.074	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	118722	17.744	ug/l	98
22) Diisopropyl ether	3.84	45	423987	19.669	ug/l	98
23) Vinyl Acetate	3.80	43	1562272	84.696	ug/l	100
24) 1,1-Dichloroethane	3.69	63	229763	19.054	ug/l	99
25) 2-Butanone	4.65	43	557886	96.063	ug/l	99
26) 2,2-Dichloropropane	4.58	77	171124	17.838	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	142038	18.950	ug/l	100
28) Bromochloromethane	5.00	49	64771	18.918	ug/l	99
29) Tetrahydrofuran	5.11	42	337298	94.249	ug/l	100
30) Chloroform	5.20	83	227064	19.069	ug/l	98
31) Cyclohexane	5.57	56	189475	17.462	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	190218	18.563	ug/l	99
36) 1,1-Dichloropropene	5.79	75	160699	18.040	ug/l	99
37) Ethyl Acetate	4.82	43	193499	17.579	ug/l	97
38) Carbon Tetrachloride	5.78	117	154922	17.785	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
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Manual Integrations
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Quant Time: Nov 22 17:45:42 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)
39) Methylcyclohexane	7.46	83	186913	16.840	ug/l	98
40) Benzene	6.14	78	507851	18.302	ug/l	100
41) Methacrylonitrile	5.03	41	111407	18.058	ug/l	98
42) 1,2-Dichloroethane	6.18	62	181442	18.128	ug/l	99
43) Isopropyl Acetate	6.43	43	324995	18.961	ug/l	99
44) Trichloroethene	7.21	130	139176	18.221	ug/l	100
45) 1,2-Dichloropropane	7.51	63	134275	18.992	ug/l	94
46) Dibromomethane	7.65	93	86006	17.817	ug/l	95
47) Bromodichloromethane	7.89	83	171912	18.886	ug/l	96
48) Methyl methacrylate	7.76	41	157611	18.421	ug/l	97
49) 1,4-Dioxane	7.73	88	61960	316.217	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1048823	93.267	ug/l	99
52) Toluene	8.78	92	317810	18.480	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	181677	18.252	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	203958	18.318	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	136345	19.127	ug/l	99
56) Ethyl methacrylate	9.17	69	215458	18.714	ug/l	96
57) 1,3-Dichloropropane	9.37	76	227621	18.811	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	440082	90.291	ug/l	100
59) 2-Hexanone	9.48	43	805035	92.637	ug/l	98
60) Dibromochloromethane	9.57	129	135858	18.635	ug/l	98
61) 1,2-Dibromoethane	9.67	107	141868	18.742	ug/l	98
64) Tetrachloroethene	9.33	164	169317	25.722	ug/l	98
65) Chlorobenzene	10.14	112	347339	18.658	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	132007	19.312	ug/l	98
67) Ethyl Benzene	10.25	91	598357	18.623	ug/l	99
68) m/p-Xylenes	10.36	106	457167	37.623	ug/l	99
69) o-Xylene	10.70	106	225559	18.960	ug/l	99
70) Styrene	10.71	104	379203	19.068	ug/l	100
71) Bromoform	10.85	173	102672	18.365	ug/l #	98
73) Isopropylbenzene	11.01	105	602849	20.305	ug/l	100
74) N-amyl acetate	10.89	43	274755	19.956	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	214860	19.837	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	198628m	21.838	ug/l	
77) Bromobenzene	11.25	156	157618	19.914	ug/l	99
78) n-propylbenzene	11.35	91	662082	20.019	ug/l	100
79) 2-Chlorotoluene	11.42	91	402487	20.198	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	494633	20.001	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	61786	17.485	ug/l	94
82) 4-Chlorotoluene	11.51	91	446567	19.145	ug/l	100
83) tert-Butylbenzene	11.76	119	473441	19.018	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	495626	19.978	ug/l	100
85) sec-Butylbenzene	11.94	105	569437	19.902	ug/l	99
86) p-Isopropyltoluene	12.06	119	521325	19.788	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	269835	19.125	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	274059	19.065	ug/l	99
89) n-Butylbenzene	12.39	91	426583	18.556	ug/l	100
90) Hexachloroethane	12.59	117	92842	19.778	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	276375	19.597	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	44112	16.716	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

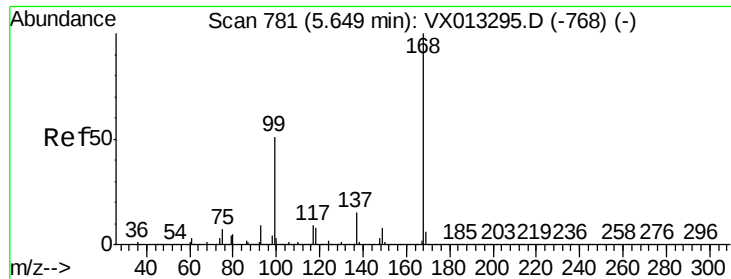
Manual Integrations
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11/25/2019 10:40:21 AM

Quant Time: Nov 22 17:45:42 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.64	180	178047	18.099	ug/l	100
94) Hexachlorobutadiene	13.78	225	84869	17.634	ug/l	99
95) Naphthalene	13.83	128	569010	18.435	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	185037	18.755	ug/l	98

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



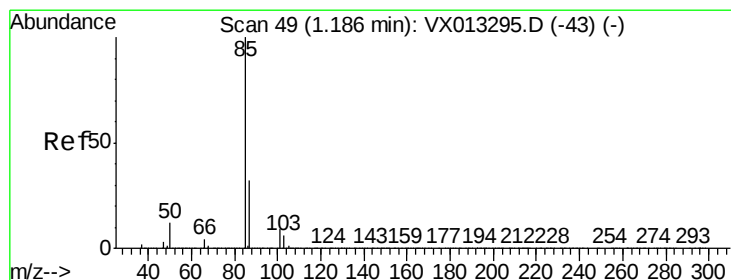
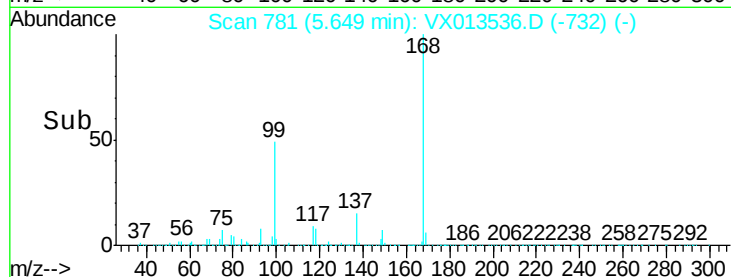
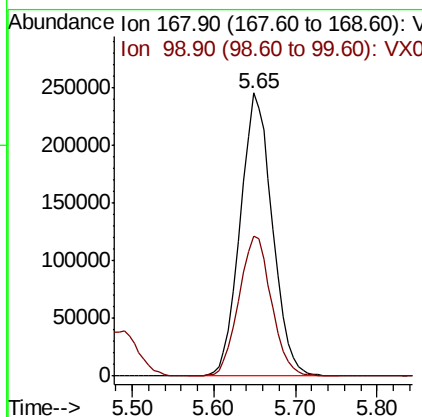
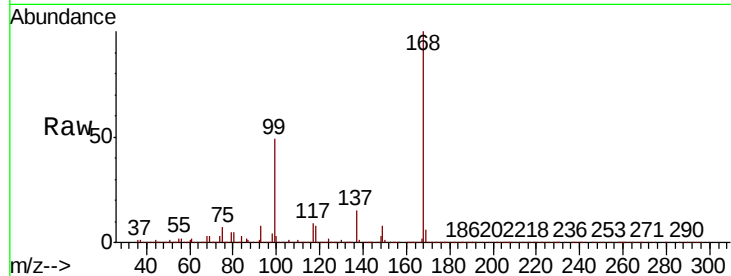
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.3	40.8	61.2

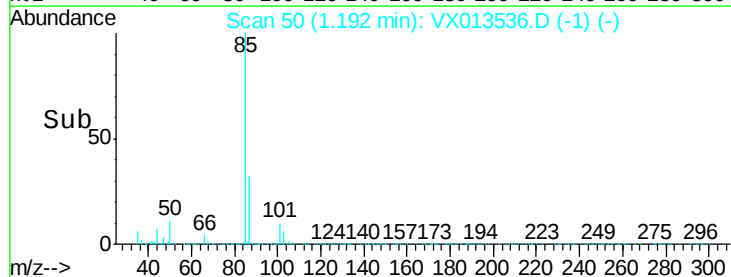
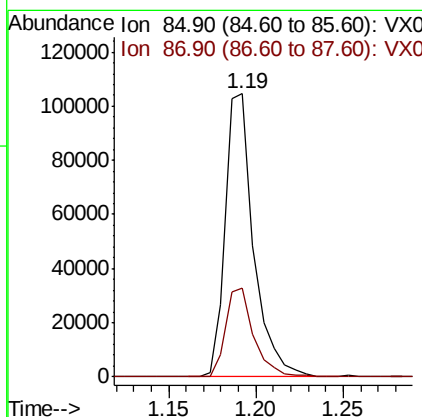
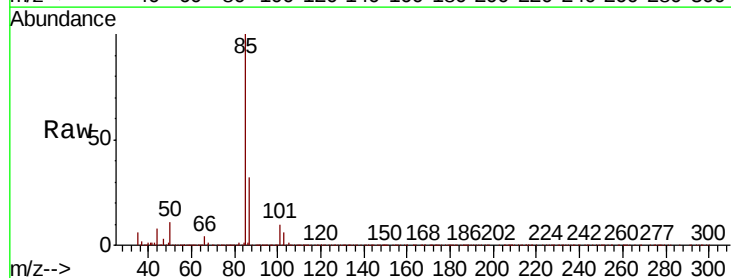
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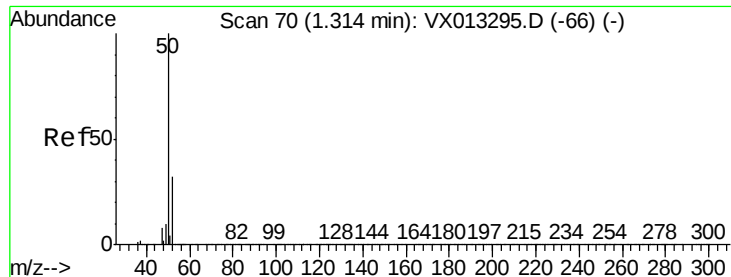
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#2
Dichlorodifluoromethane
Concen: 15.203 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.9	47.6





#3

Chloromethane

Concen: 16.017 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBSD02

Tot Ion: 50 Resp: 134073

Ion Ratio Lower Upper

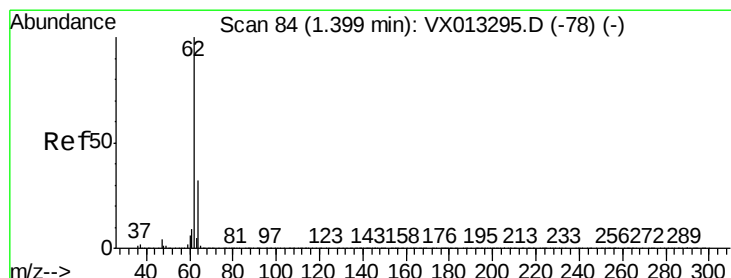
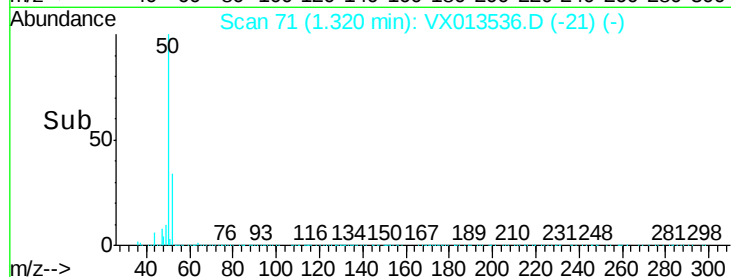
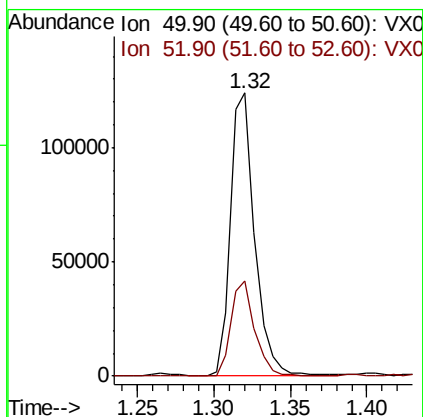
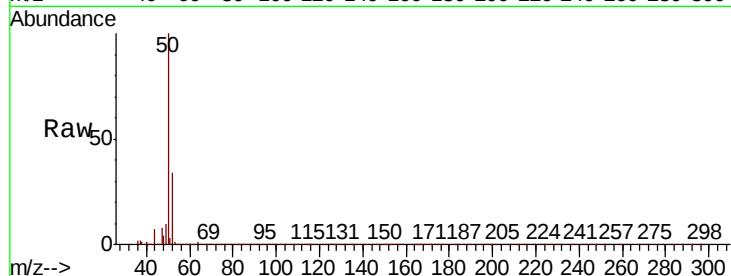
50 100

52 33.7 25.5 38.3

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#4

Vinyl Chloride

Concen: 17.042 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013536.D

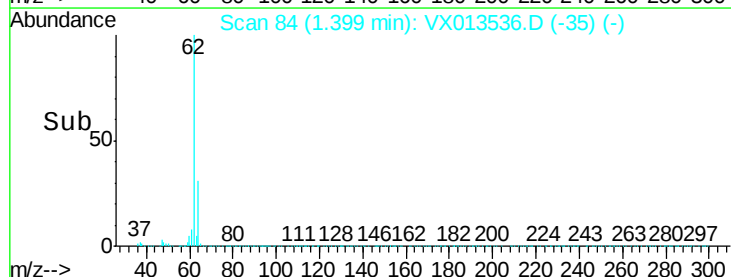
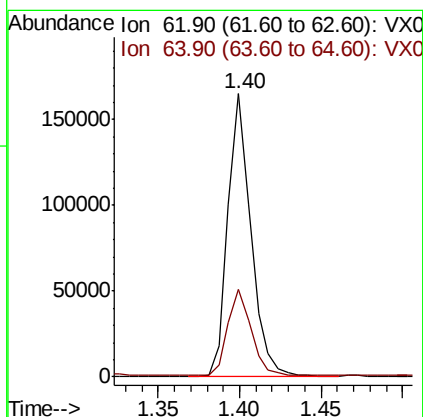
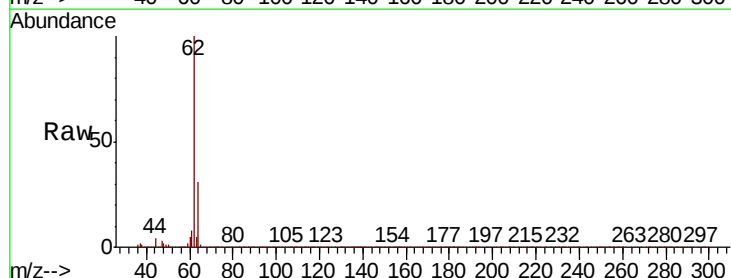
Acq: 22 Nov 2019 16:22

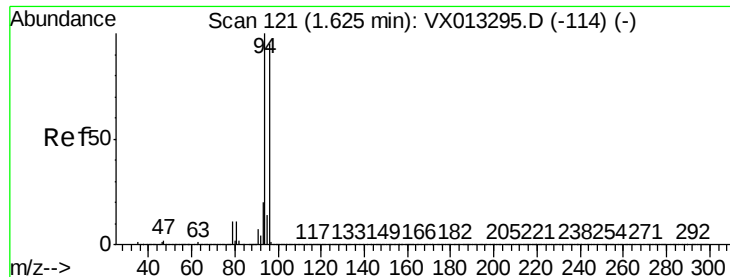
Tgt Ion: 62 Resp: 162409

Ion Ratio Lower Upper

62 100

64 30.2 25.6 38.4





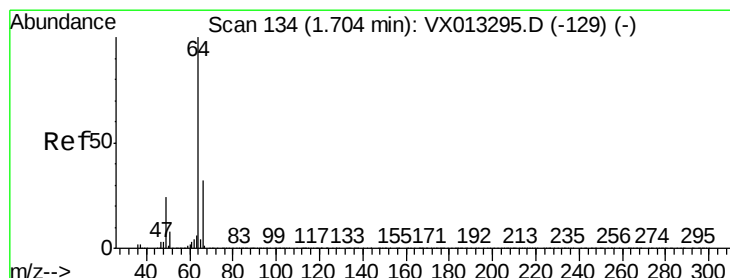
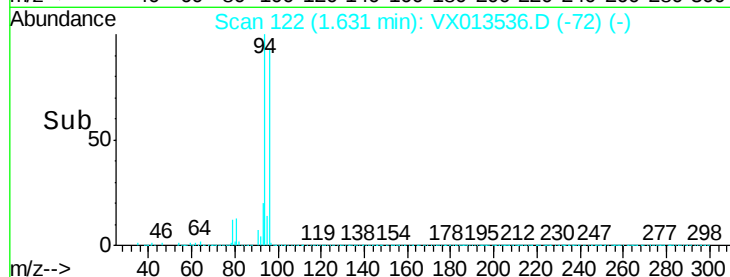
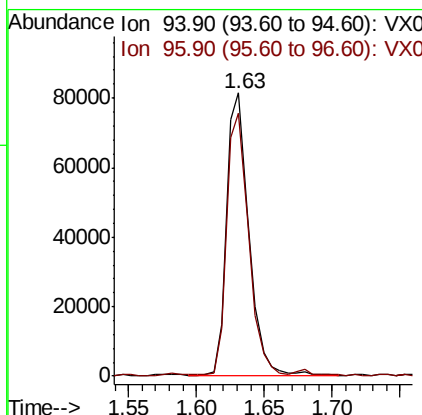
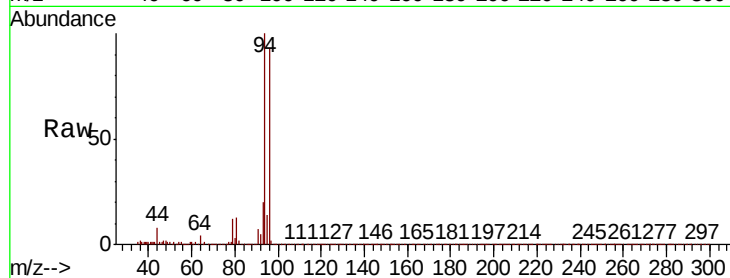
#5
Bromomethane
Concen: 13.842 ug/l
RT: 1.63 min Scan# 122
Delta R.T. 0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.8	113.8

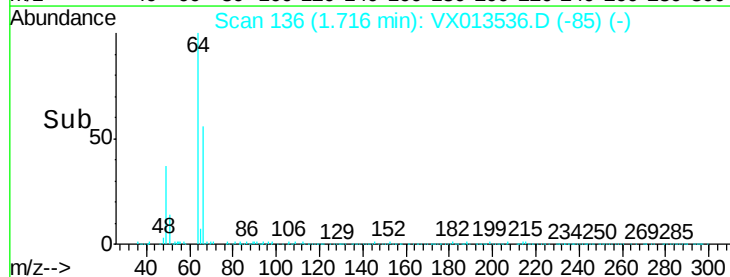
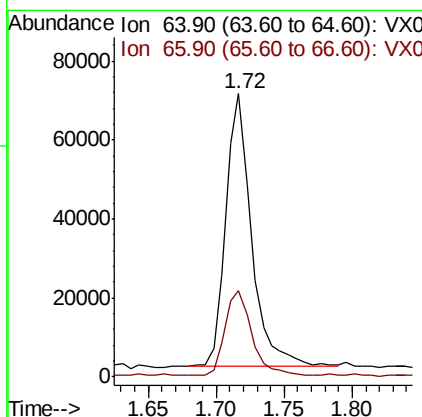
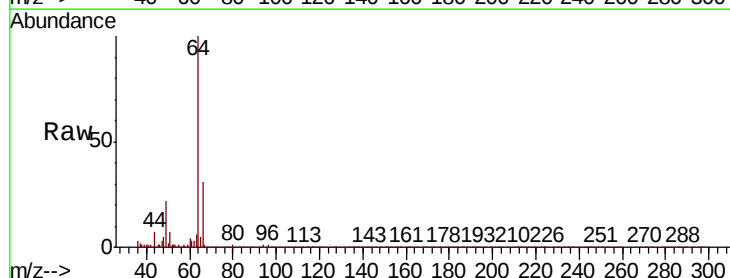
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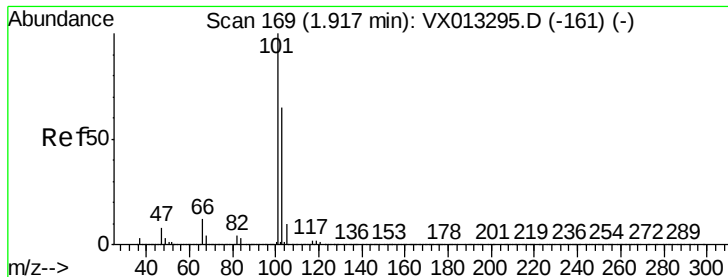
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#6
Chloroethane
Concen: 15.814 ug/l
RT: 1.72 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.6	38.4





#7

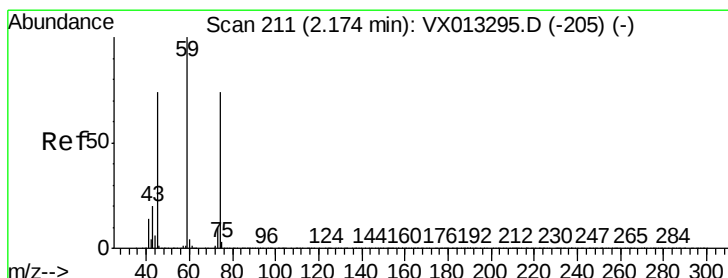
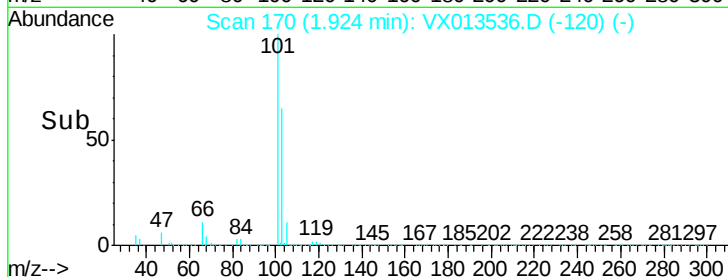
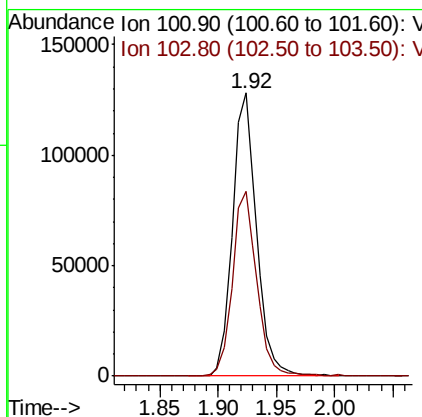
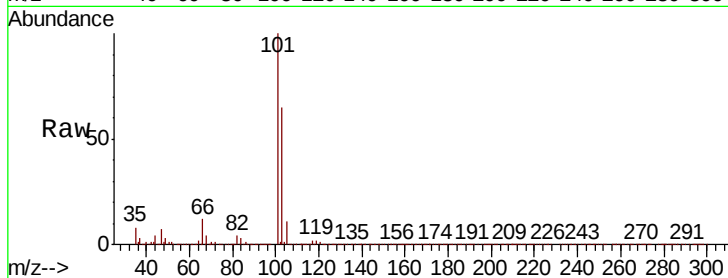
Trichlorofluoromethane
Concen: 16.414 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.3	78.5

Manual Integrations
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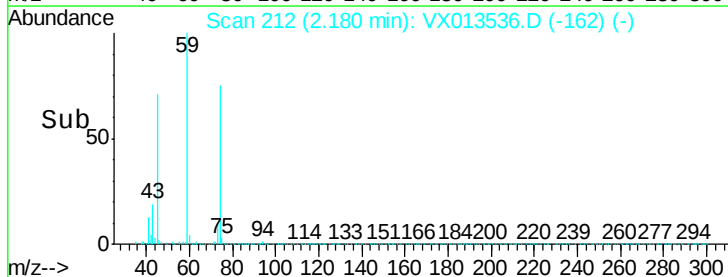
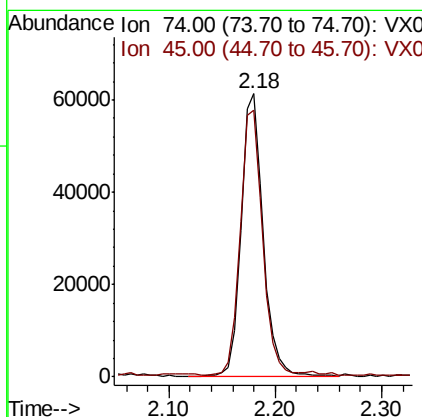
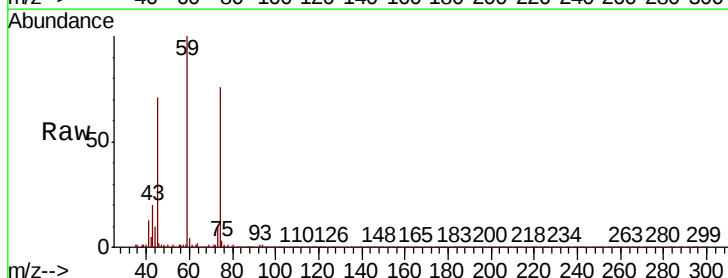
MMDadoda
11/25/2019 10:40:21 AM

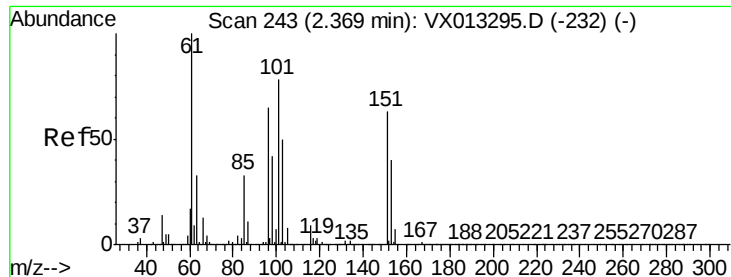


#8

Diethyl Ether
Concen: 18.022 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.058 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

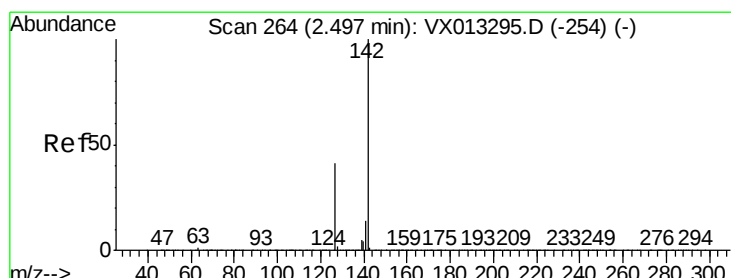
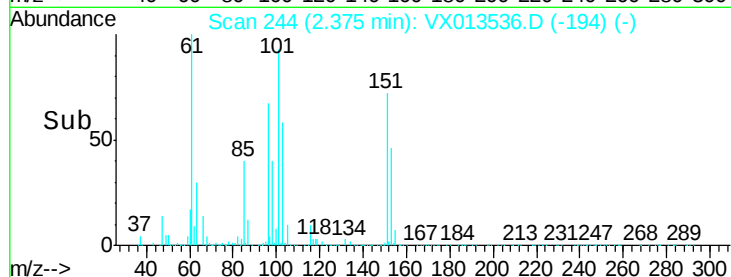
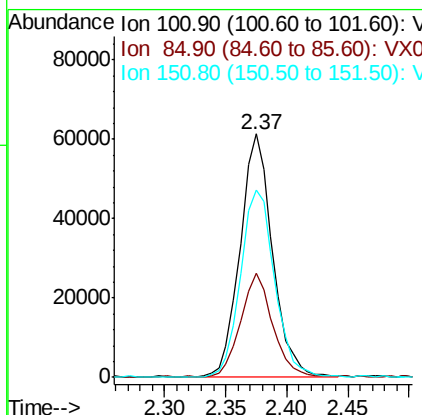
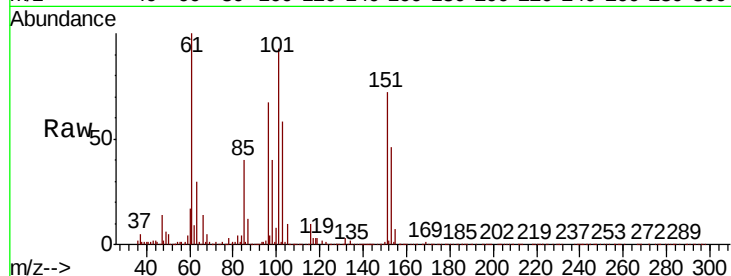
ClientSampleId :

VX1122WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	113318		
85	41.5	34.4	51.6	
151	81.0	66.4	99.6	

Manual Integrations
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#10

Methyl Iodide

Concen: 15.648 ug/l

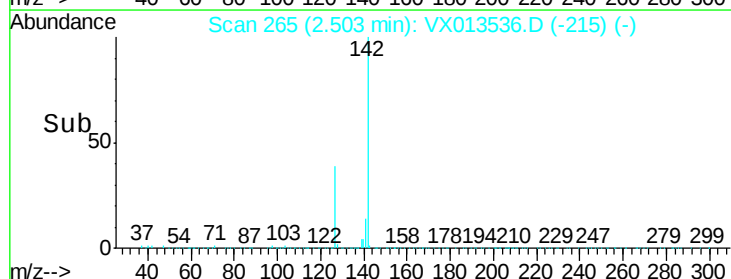
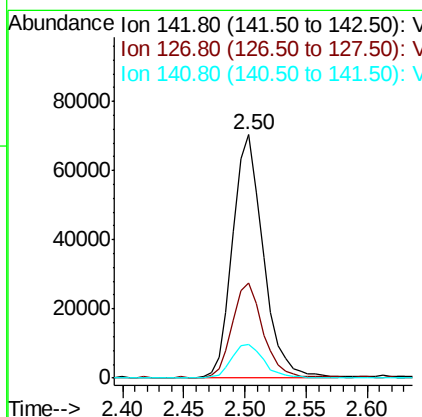
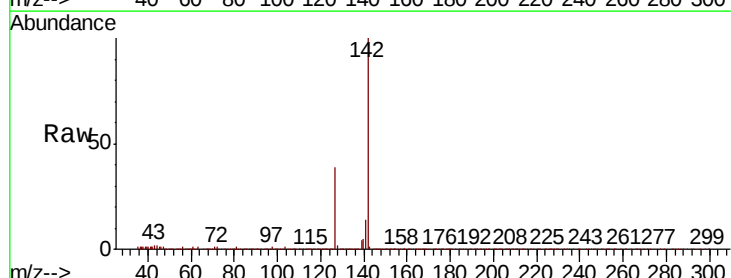
RT: 2.50 min Scan# 265

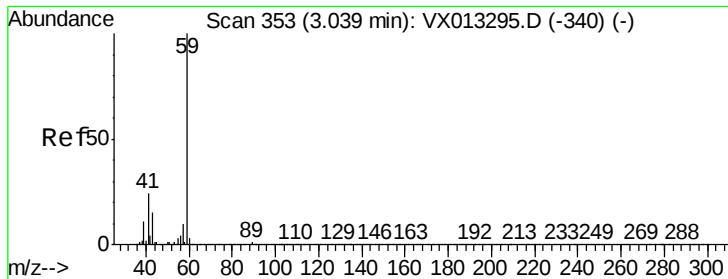
Delta R.T. 0.01 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	121574		
127	39.8	32.6	49.0	
141	15.0	11.6	17.4	





#11

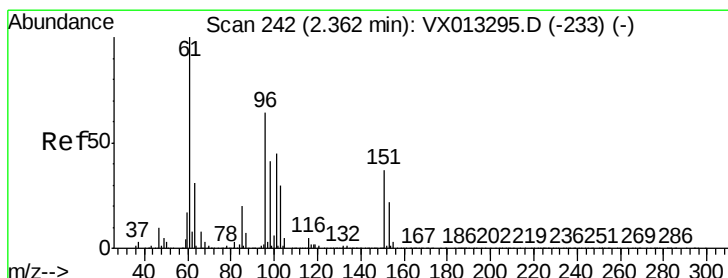
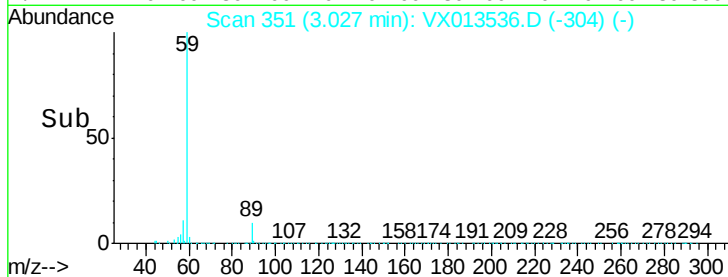
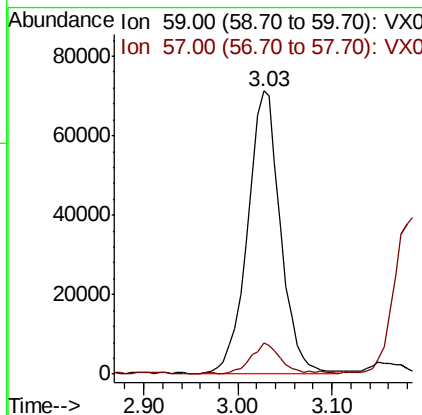
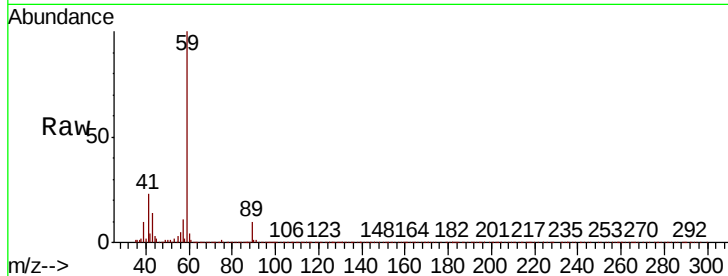
Tert butyl alcohol
Concen: 82.972 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.0	12.0

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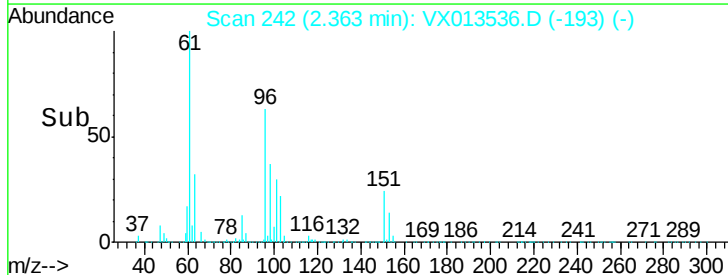
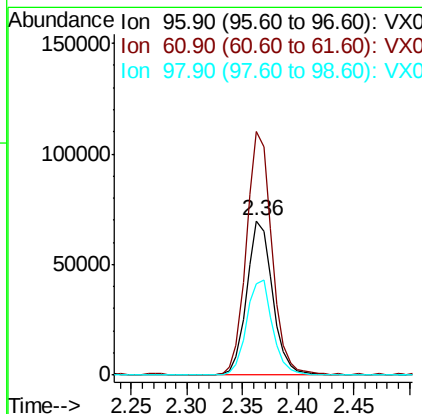
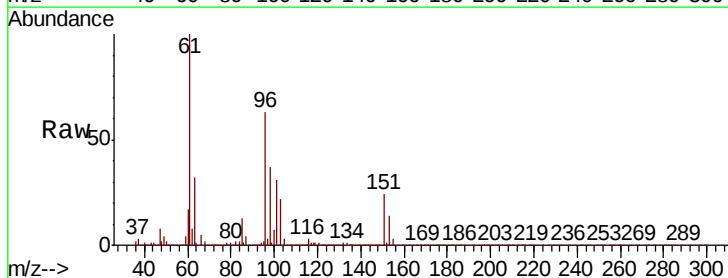
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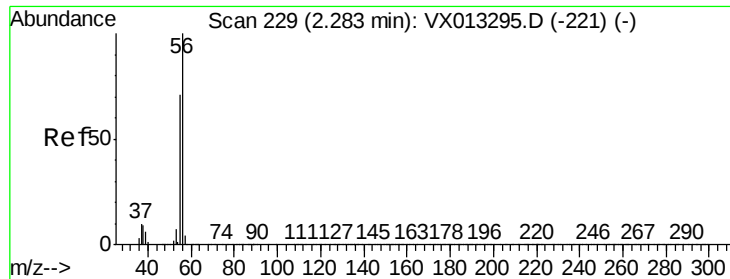


#12

1,1-Dichloroethene
Concen: 18.394 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	125.0	187.6
98	59.0	50.7	76.1





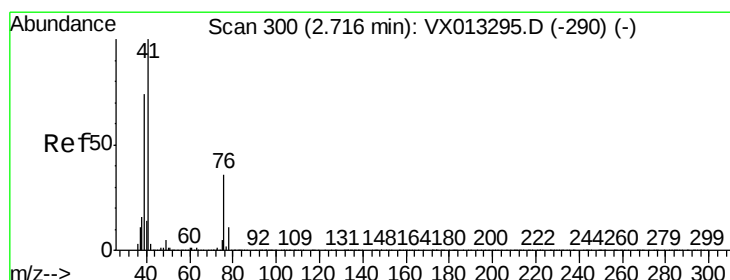
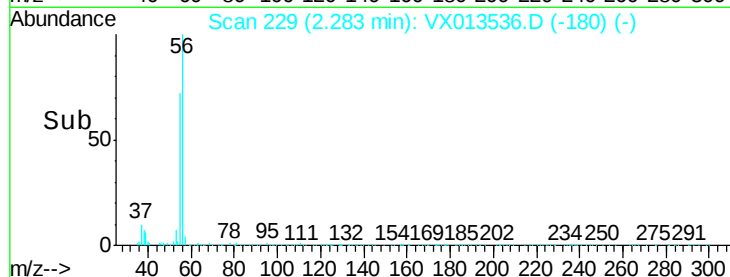
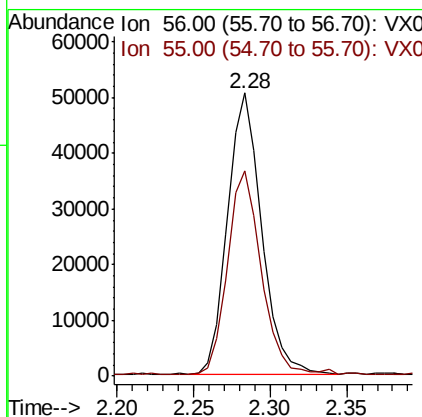
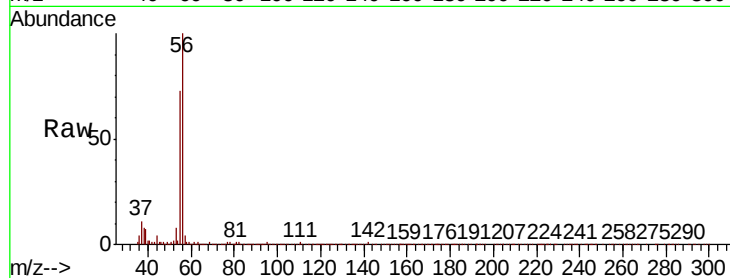
#13
Acrolein
Concen: 68.357 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.6	57.4	86.0

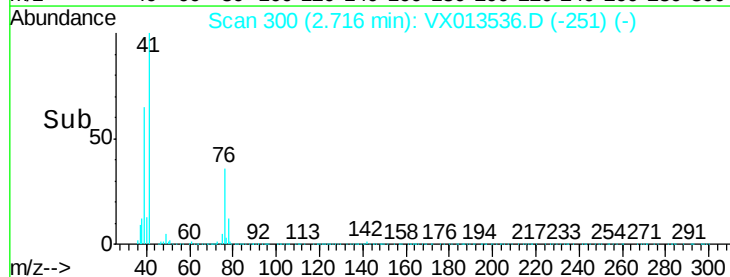
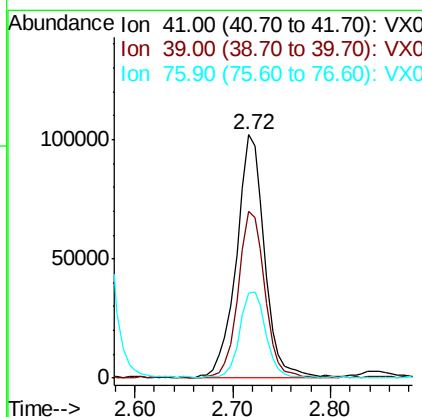
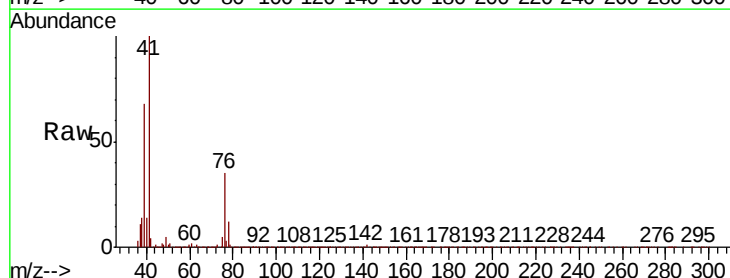
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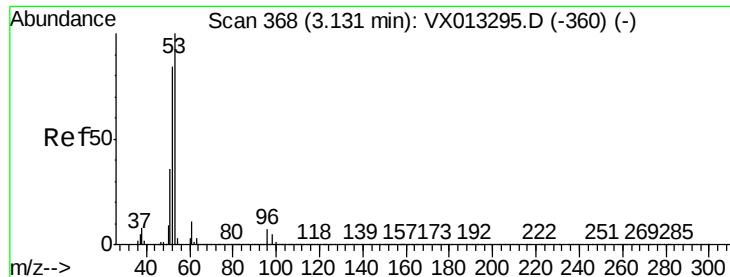
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#14
Allyl chloride
Concen: 18.354 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.8	55.8	83.8
76	31.9	26.4	39.6





#15

Acrylonitrile

Concen: 95.895 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

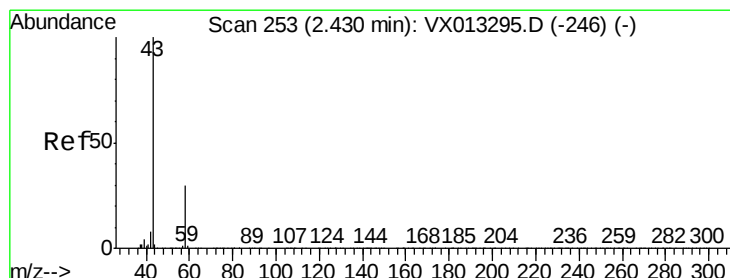
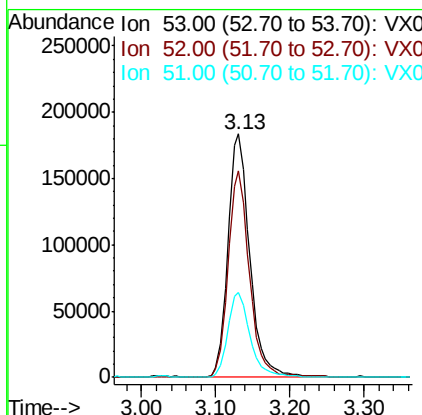
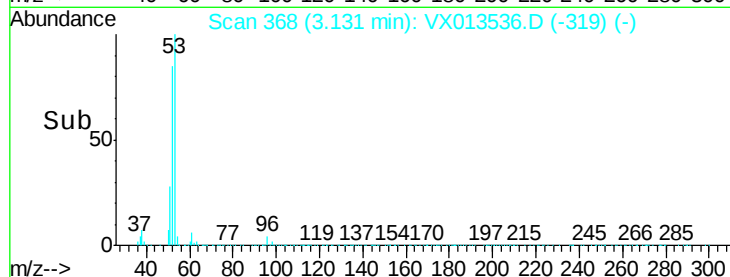
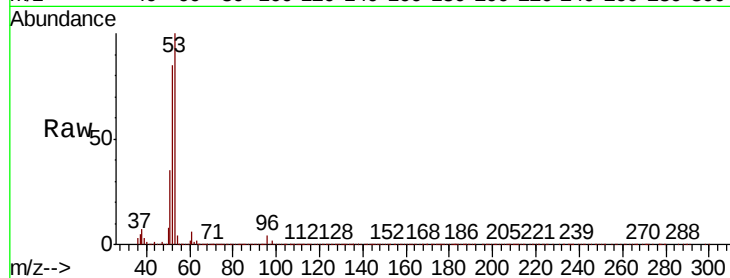
ClientSampleId :

VX1122WBSD02

Tot Ion:	53	Resp:	374712
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.4	101.0
51	35.4	29.4	44.2

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#16

Acetone

Concen: 103.214 ug/l

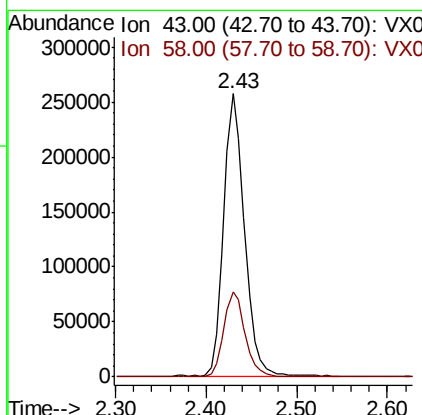
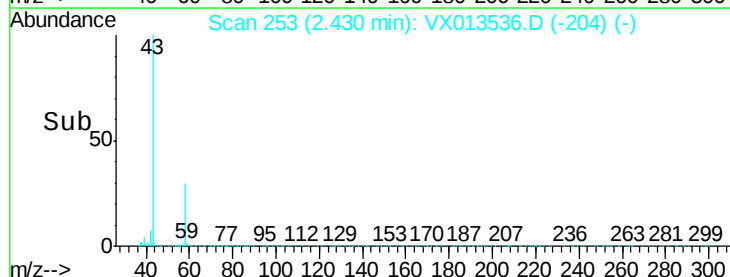
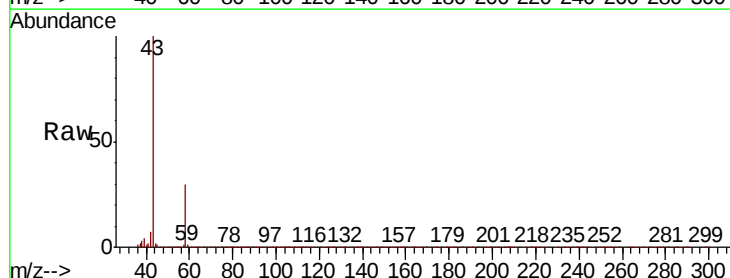
RT: 2.43 min Scan# 253

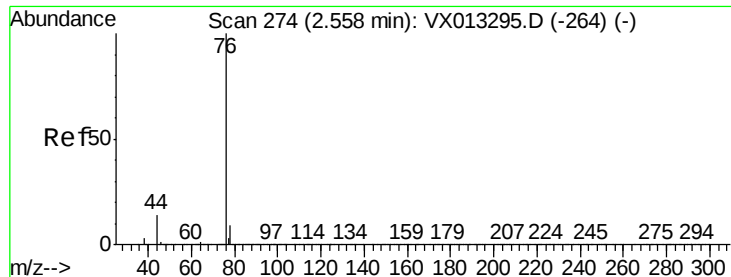
Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Tgt Ion:	43	Resp:	408595
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.3	36.5





#17

Carbon Disulfide

Concen: 15.139 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBSD02

Tot Ion: 76 Resp: 249003

Ion Ratio Lower Upper

76 100

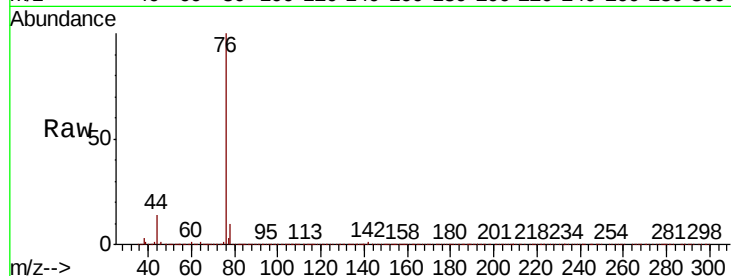
78 9.4 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

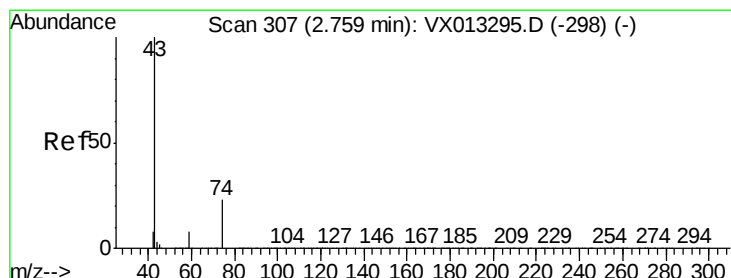
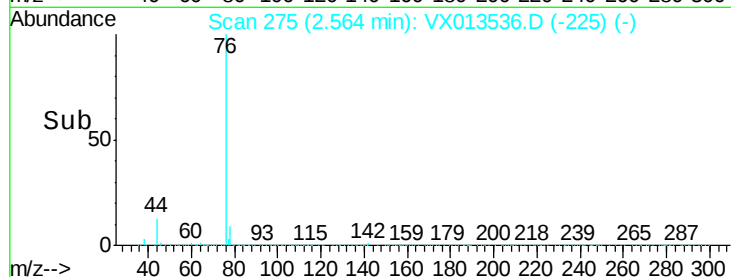
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.824 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013536.D

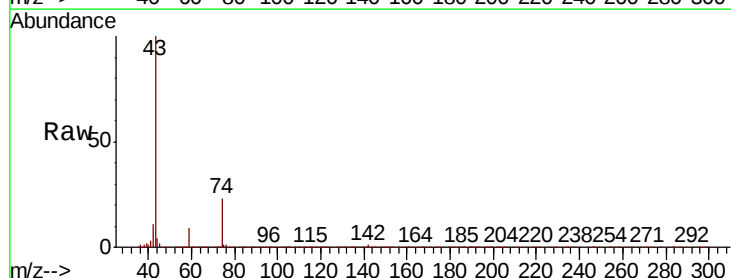
Acq: 22 Nov 2019 16:22

Tgt Ion: 43 Resp: 216660

Ion Ratio Lower Upper

43 100

74 24.7 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

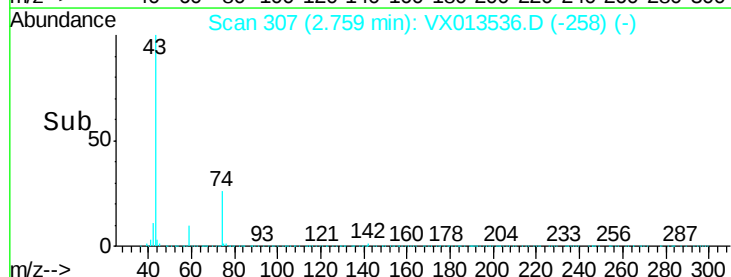
2.76

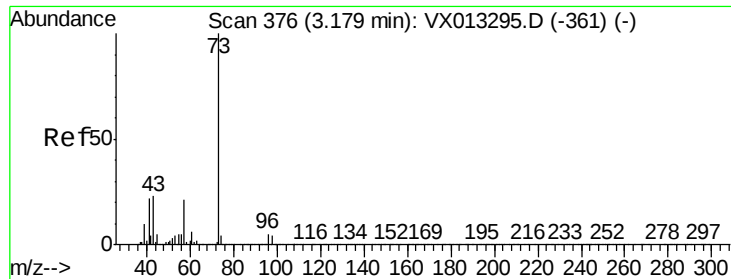
100000

50000

0

Time-->





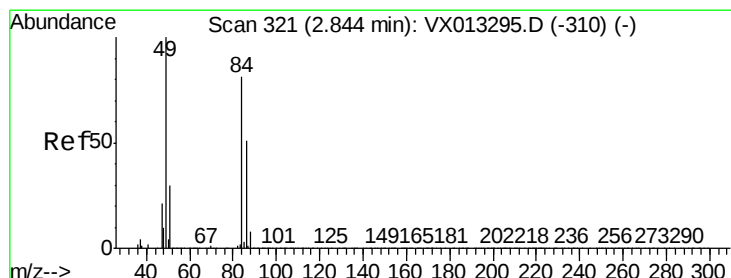
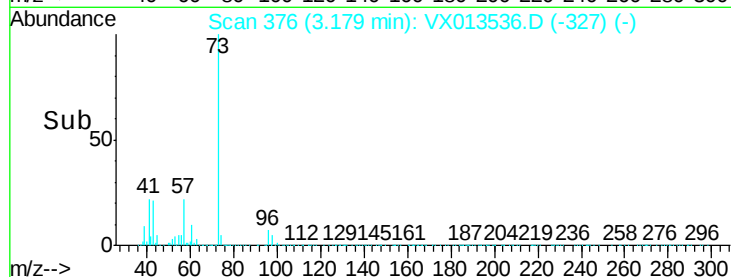
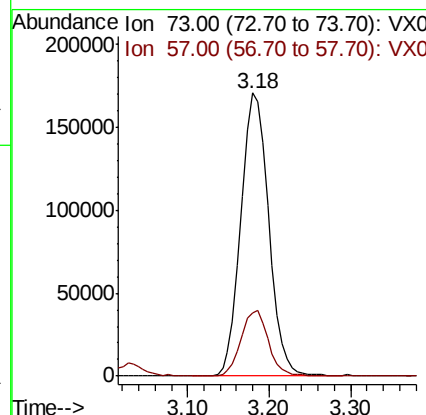
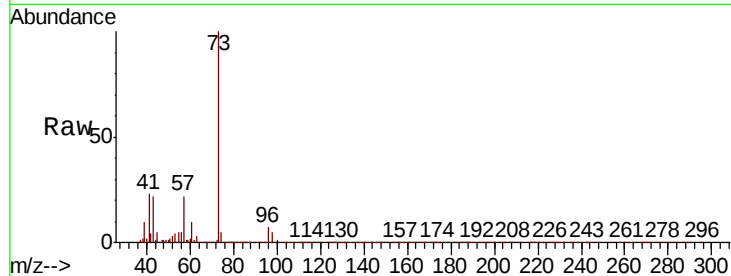
#19
Methvl tert-butvl Ether
Concen: 19.663 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.1	25.7

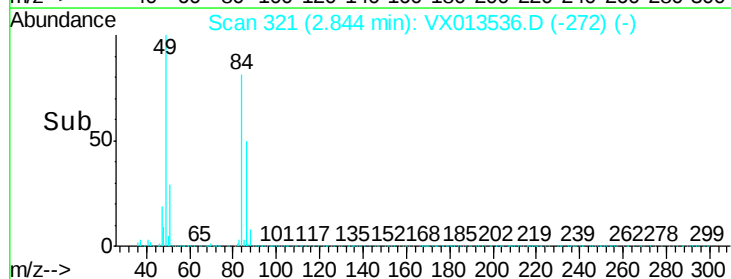
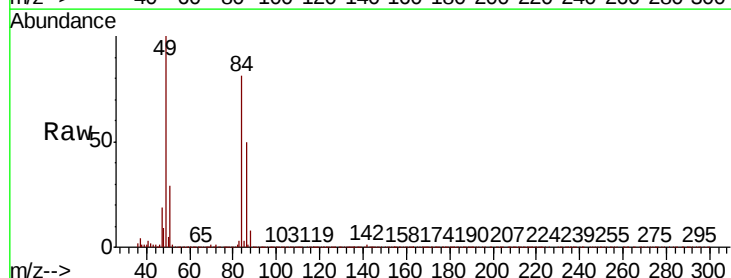
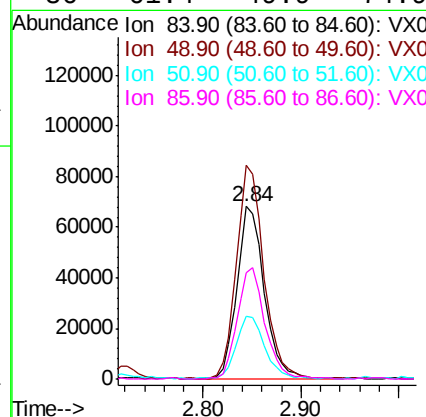
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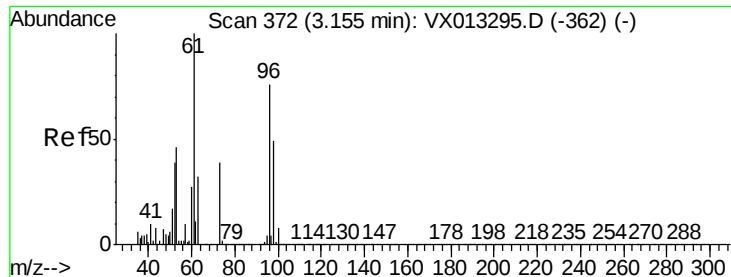
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#20
Methylene Chloride
Concen: 18.074 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	98.2	147.4
51	36.3	29.9	44.9
86	61.4	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 17.744 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

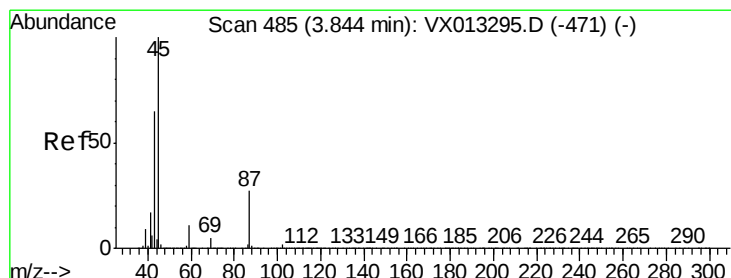
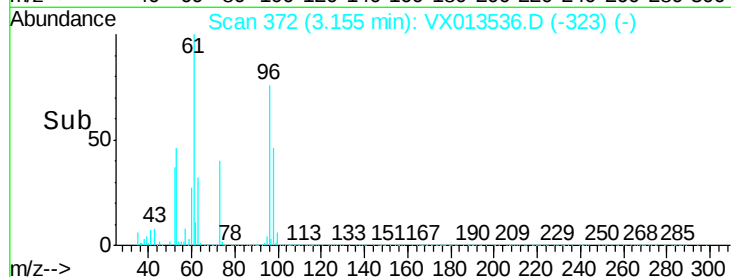
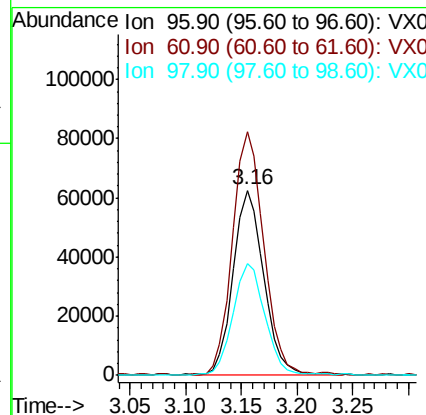
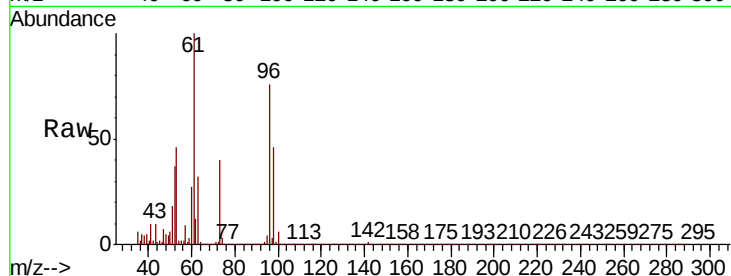
ClientSampleId :

VX1122WBSD02

Tot Ion:	96	Resp:	118722
Ion Ratio	Lower	Upper	
96	100		
61	131.4	105.8	158.6
98	60.0	51.8	77.6

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#22

Diisopropyl ether

Concen: 19.669 ug/l

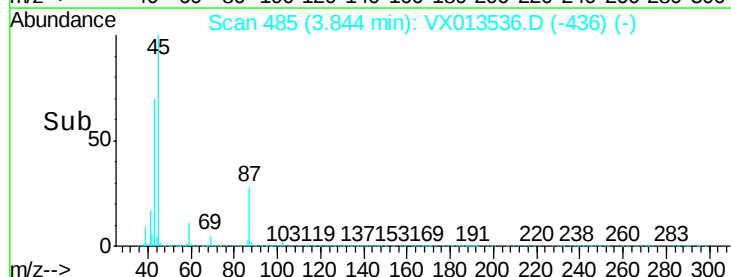
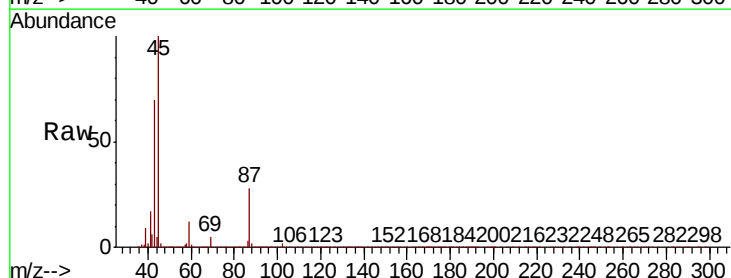
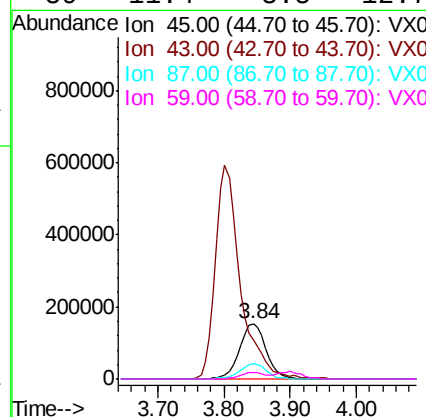
RT: 3.84 min Scan# 485

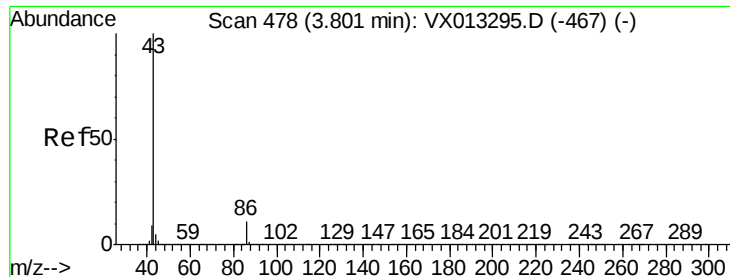
Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Tgt Ion:	45	Resp:	423987
Ion Ratio	Lower	Upper	
45	100		
43	69.5	54.2	81.2
87	27.8	21.8	32.8
59	11.4	8.5	12.7





#23

Vinyl Acetate

Concen: 84.696 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBSD02

Tot Ion: 43 Resp: 1562272

Ion Ratio Lower Upper

43 100

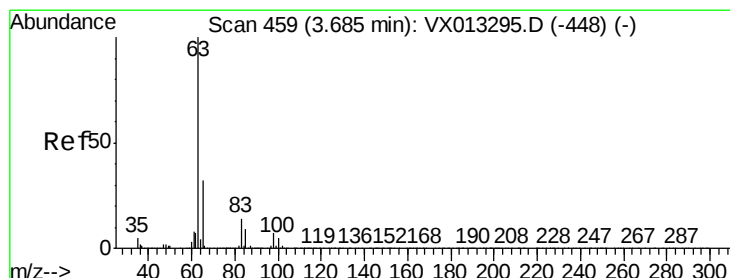
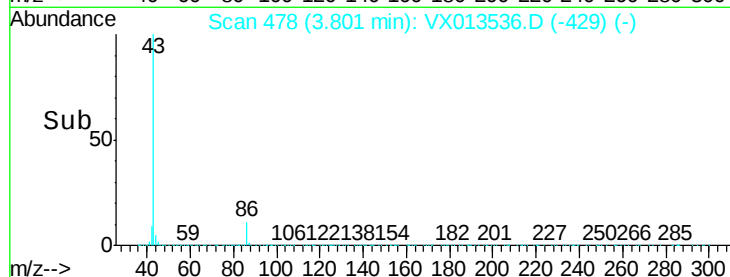
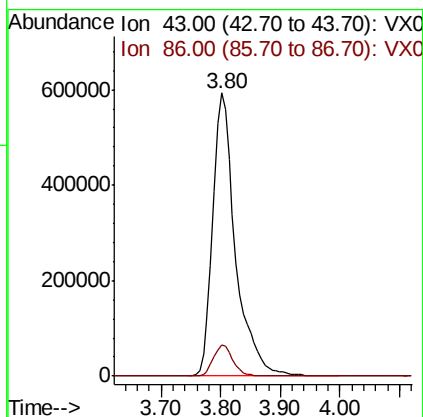
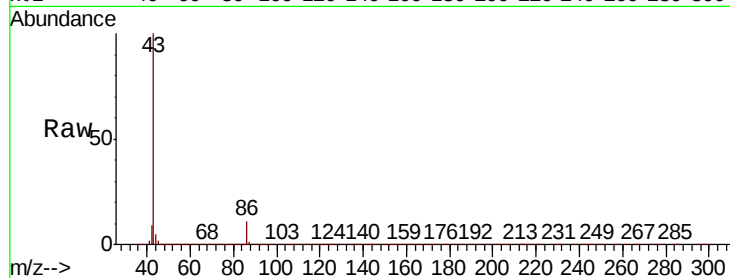
86 10.9 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 19.054 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

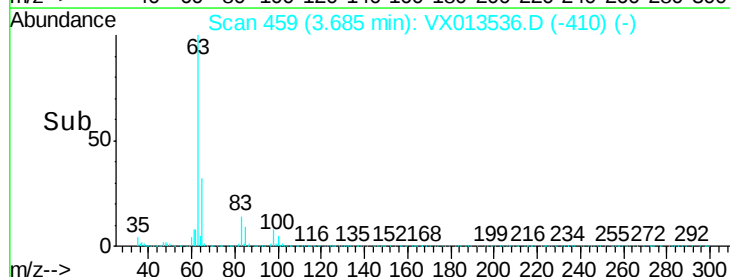
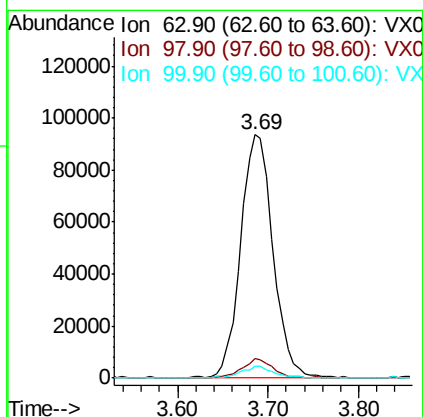
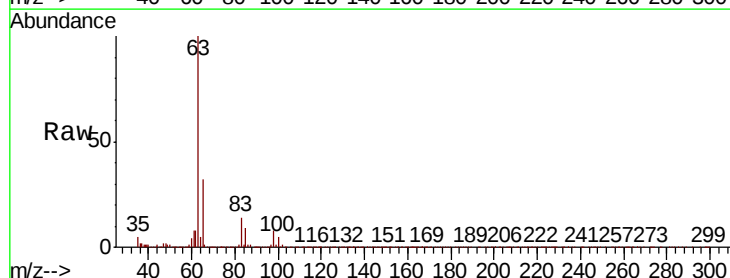
Tgt Ion: 63 Resp: 229763

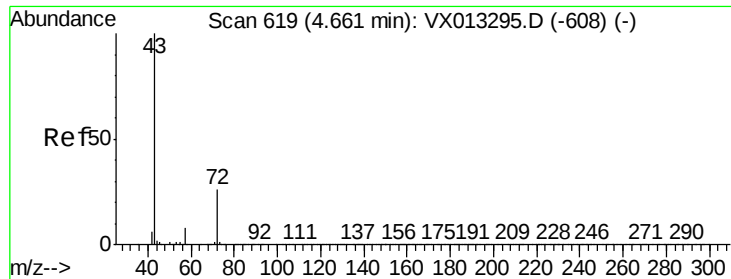
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.4

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 96.063 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBSD02

Tot Ion: 43 Resp: 557886

Ion Ratio Lower Upper

43 100

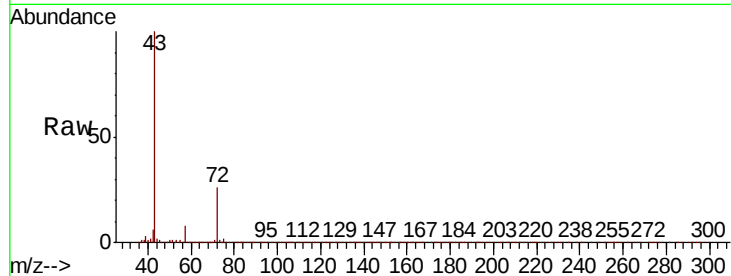
72 26.0 21.0 31.6

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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

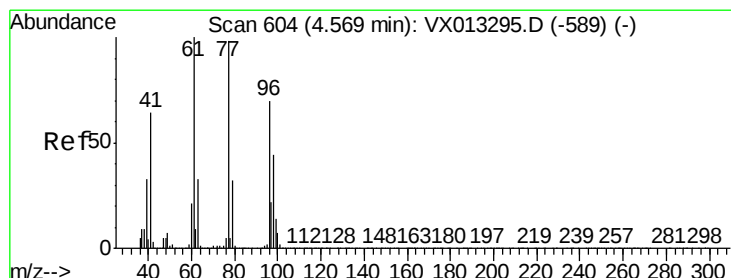
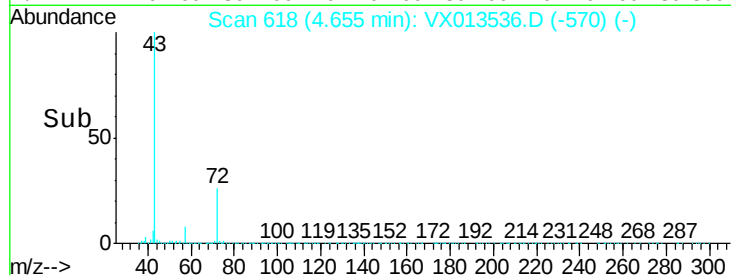
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 17.838 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013536.D

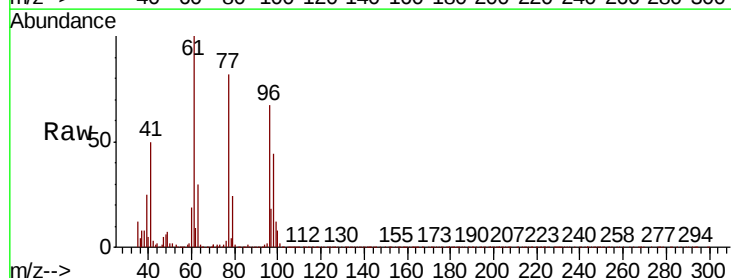
Acq: 22 Nov 2019 16:22

Tgt Ion: 77 Resp: 171124

Ion Ratio Lower Upper

77 100

97 23.5 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

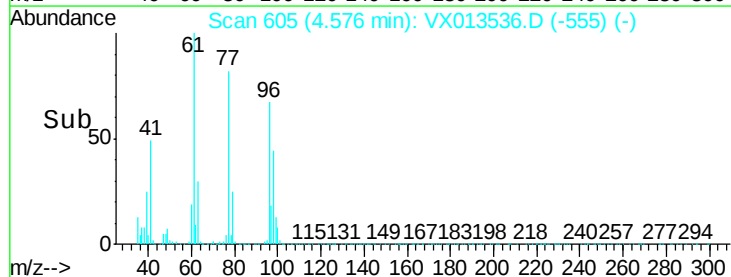
20000

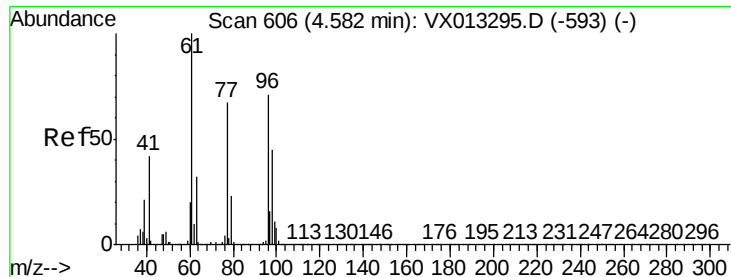
10000

0

4.50 4.60 4.70

Time-->





#27

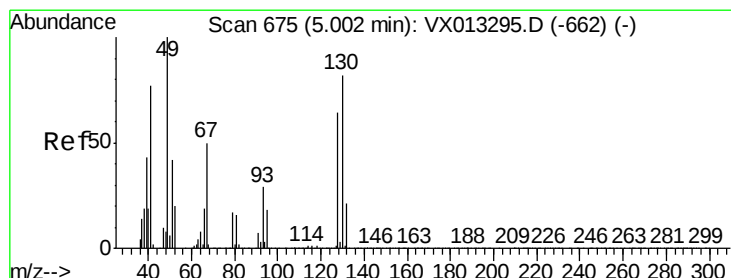
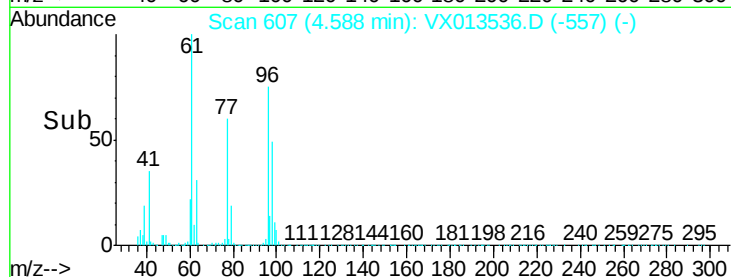
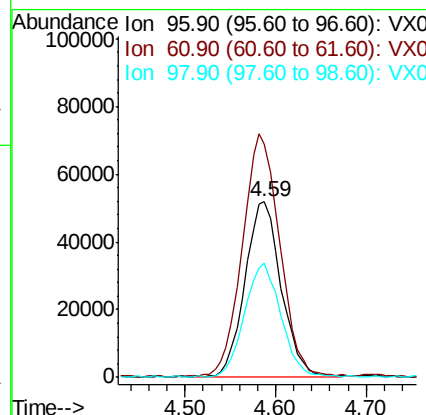
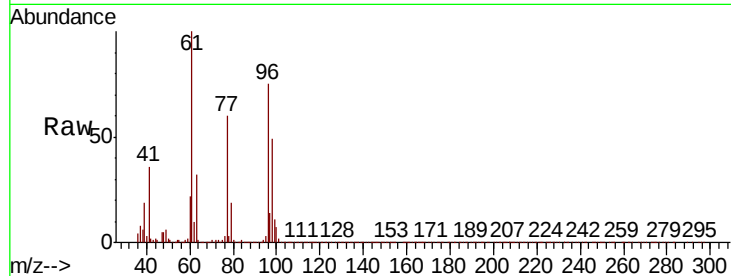
cis-1,2-Dichloroethene
Concen: 18.950 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	142038		
61	143.2	0.0	288.0	
98	64.9	0.0	129.6	

Manual Integrations
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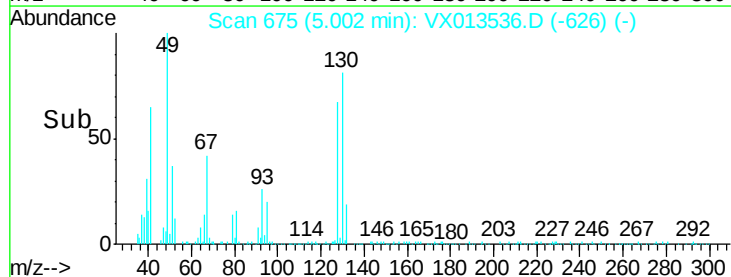
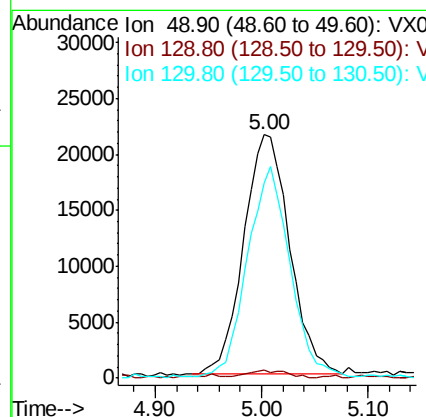
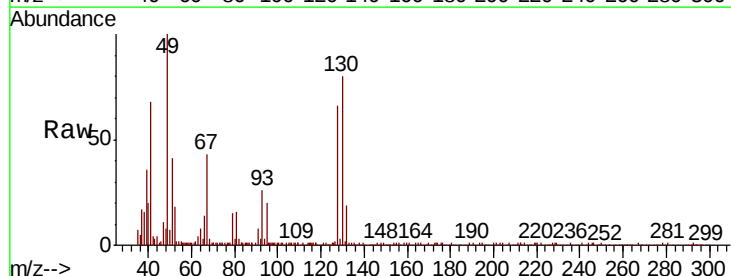
MMDadoda
11/25/2019 10:40:21 AM

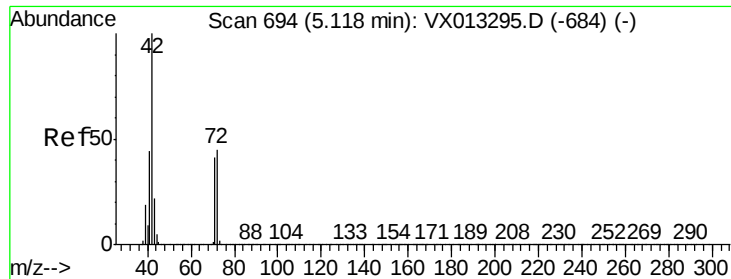


#28

Bromochloromethane
Concen: 18.918 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	64771		
129	2.7	0.0	5.2	
130	80.6	63.8	95.6	





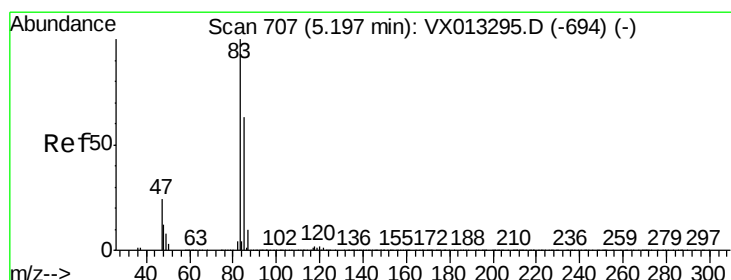
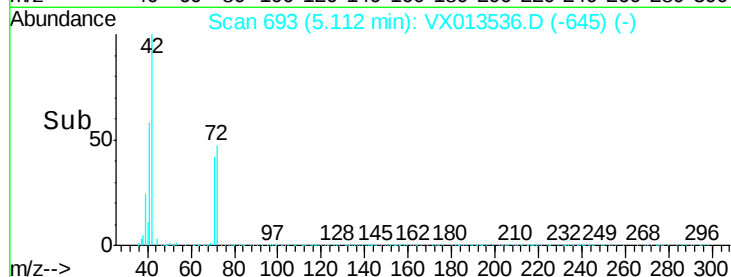
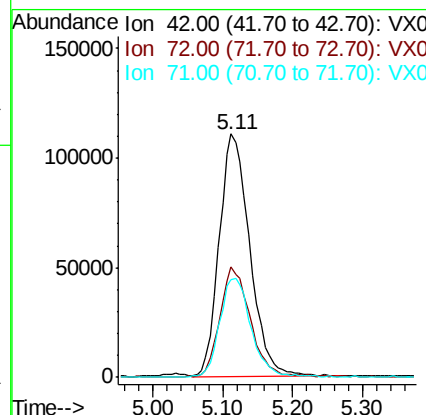
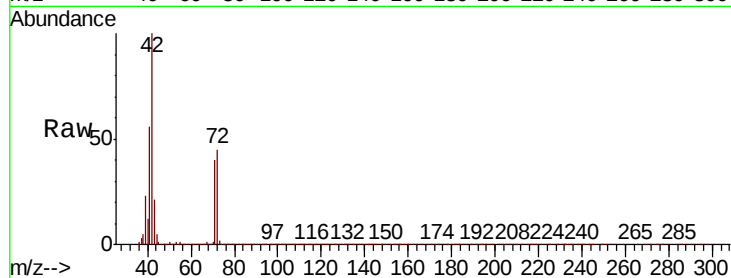
#29
Tetrahydrofuran
Concen: 94.249 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.8	53.8
71	41.3	33.4	50.0

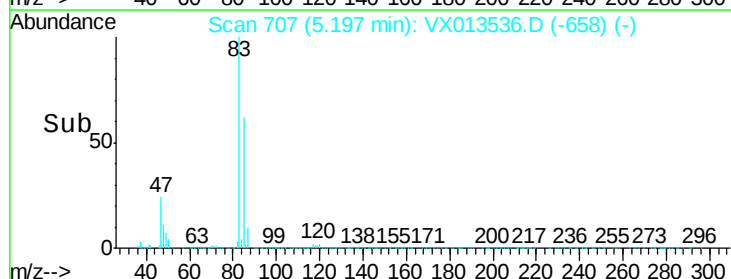
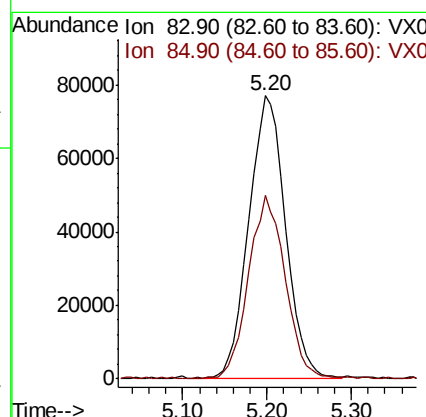
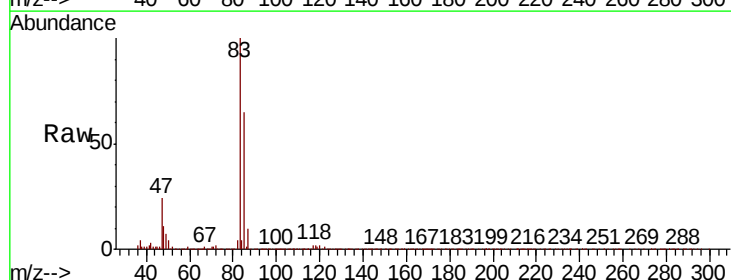
Manual Integrations
APPROVED

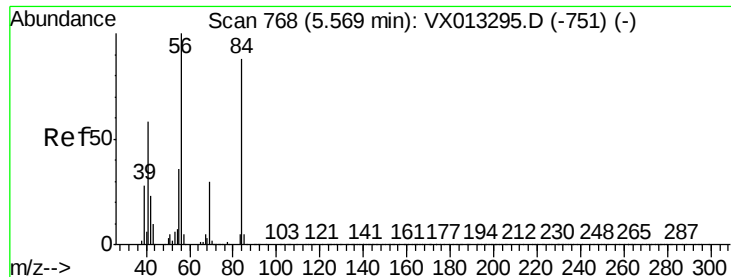
MMDadoda
11/25/2019 10:40:21 AM



#30
Chloroform
Concen: 19.069 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.2	75.4





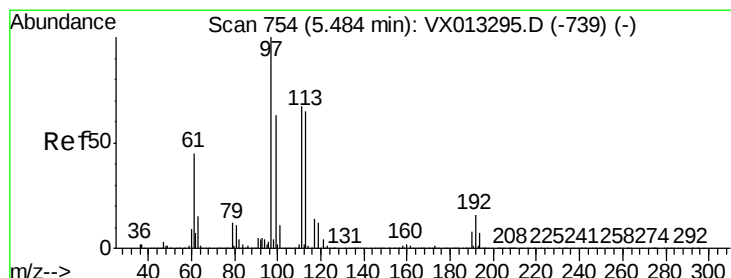
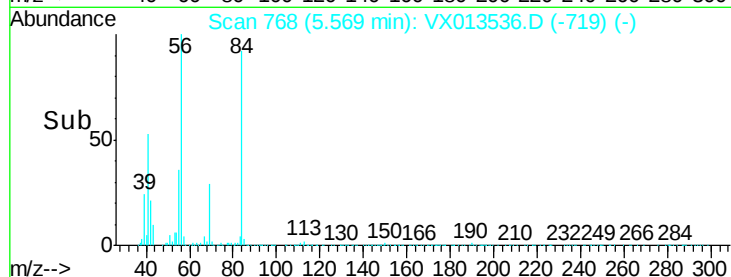
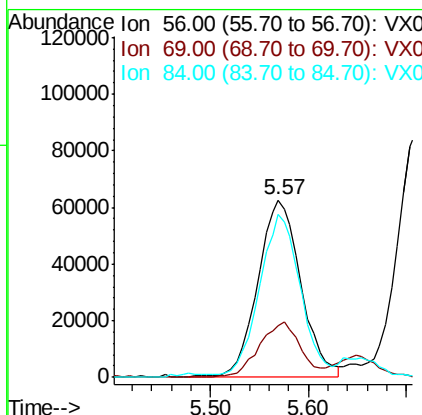
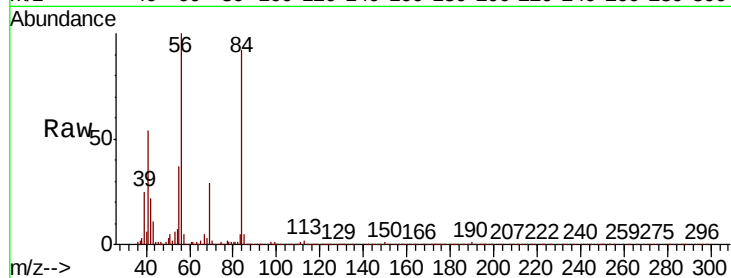
#31
Cvclohexane
Concen: 17.462 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.7	35.5
84	90.1	70.6	105.8

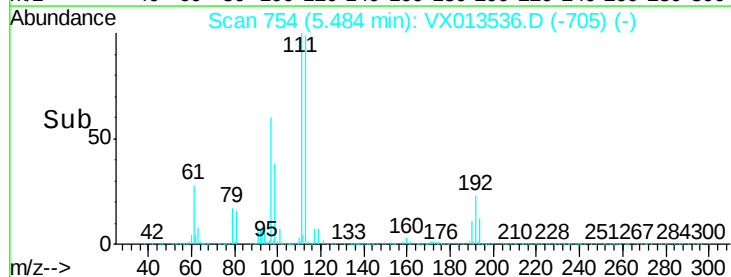
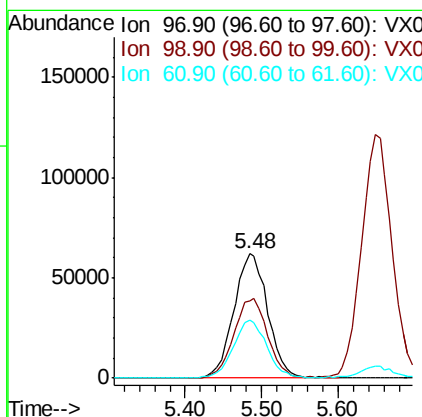
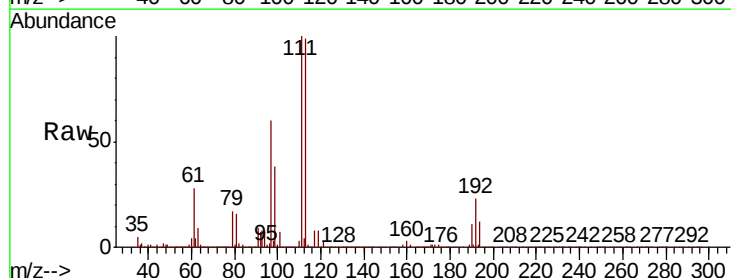
Manual Integrations
APPROVED

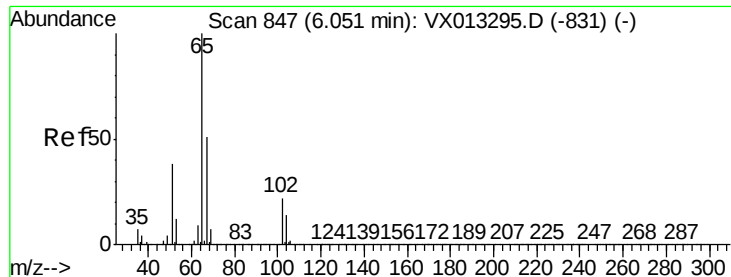
MMDadoda
11/25/2019 10:40:21 AM



#32
1,1,1-Trichloroethane
Concen: 18.563 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.1	76.7
61	45.0	36.5	54.7





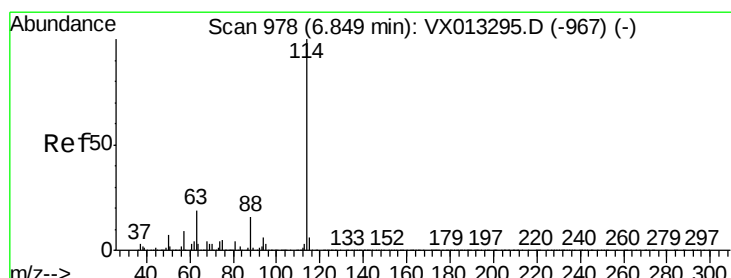
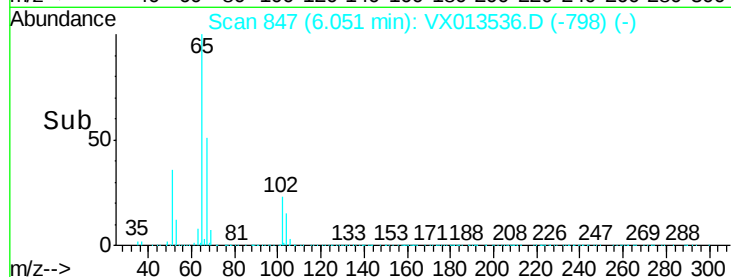
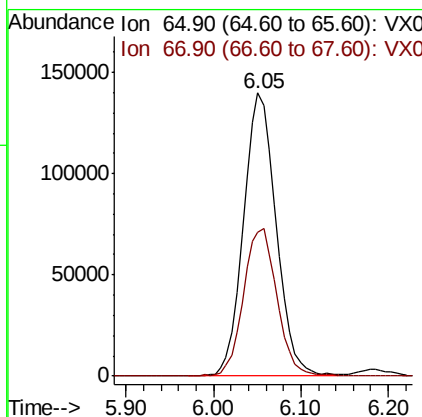
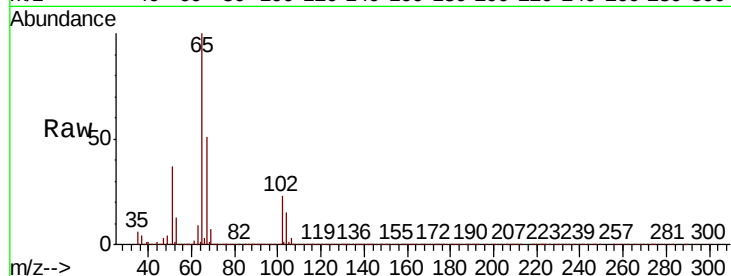
#33
 1,2-Dichloroethane-d4
 Concen: 45.569 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.2

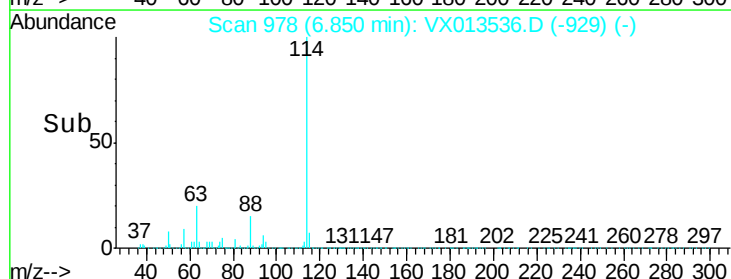
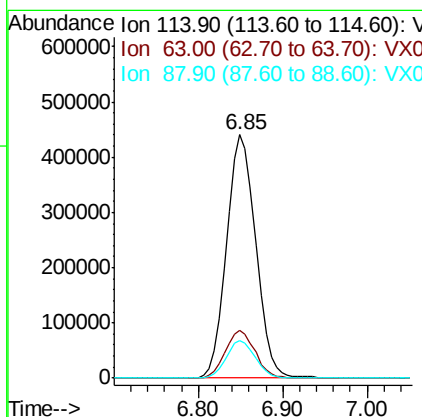
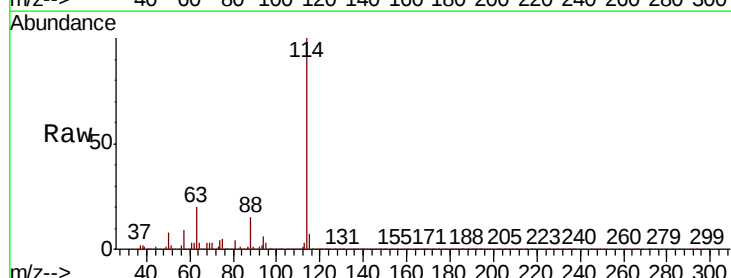
Manual Integrations
 APPROVED

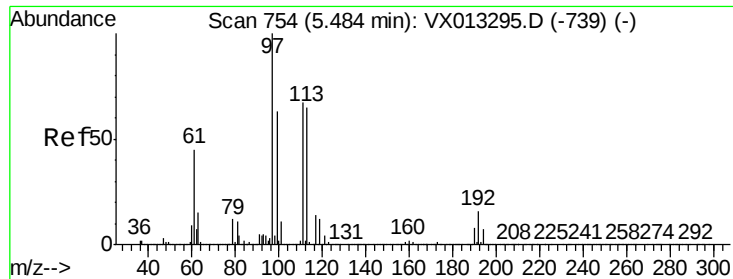
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 11/25/2019 10:40:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	38.4
88	15.4	0.0	32.2





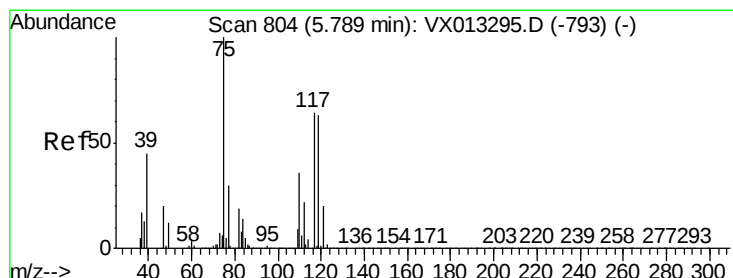
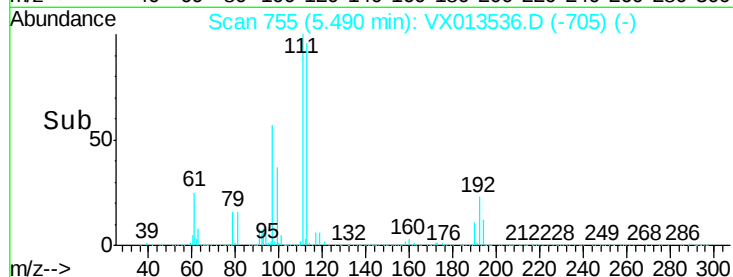
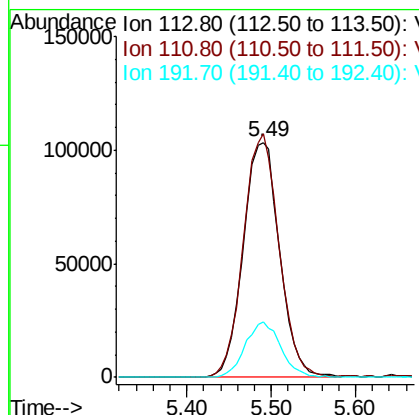
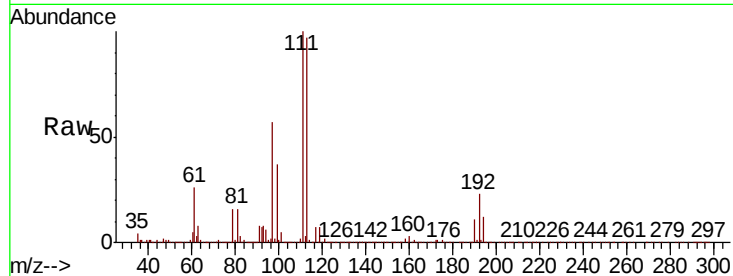
#35
Dibromofluoromethane
Concen: 46.352 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	301878		
111	101.3	81.9	122.9	
192	23.6	19.1	28.7	

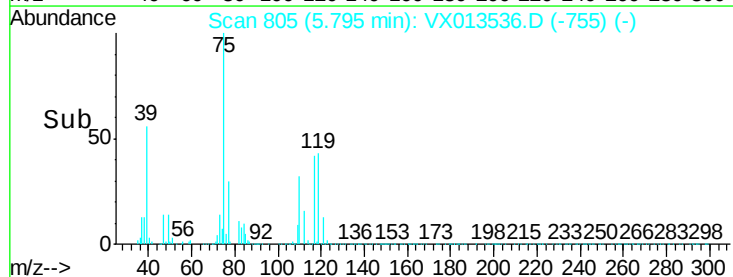
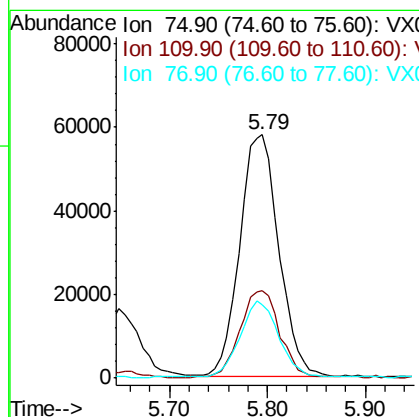
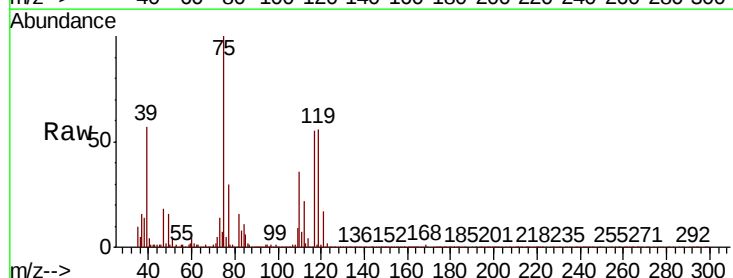
Manual Integrations
APPROVED

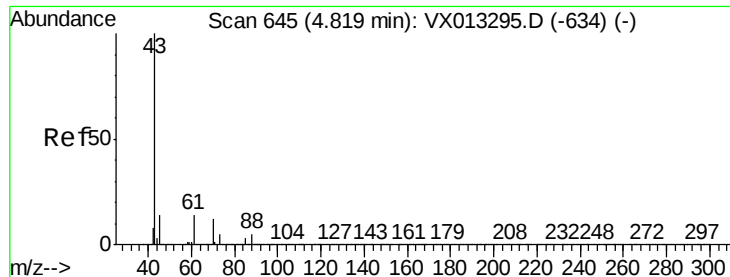
MMDadoda
11/25/2019 10:40:21 AM



#36
1,1-Dichloropropene
Concen: 18.040 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	160699		
110	36.8	18.1	54.1	
77	30.9	25.0	37.4	





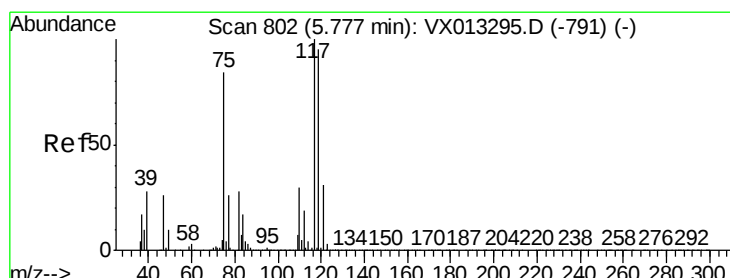
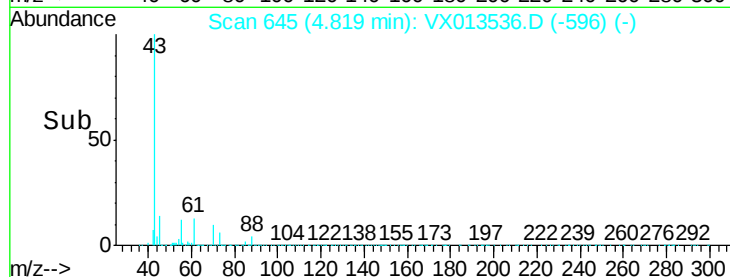
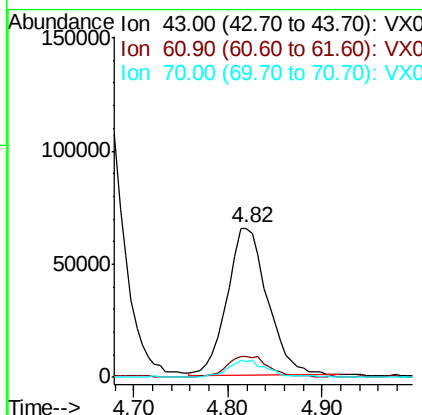
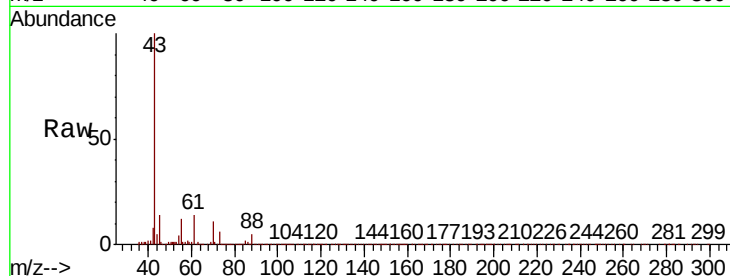
#37
Ethyl Acetate
Concen: 17.579 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	43	Resp	193499
Ion Ratio	Lower	Upper	
43	100		
61	15.3	10.7	16.1
70	11.3	8.7	13.1

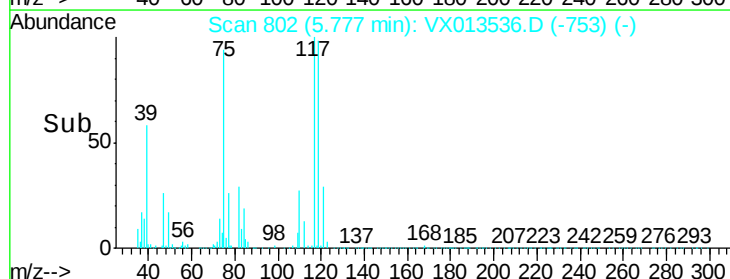
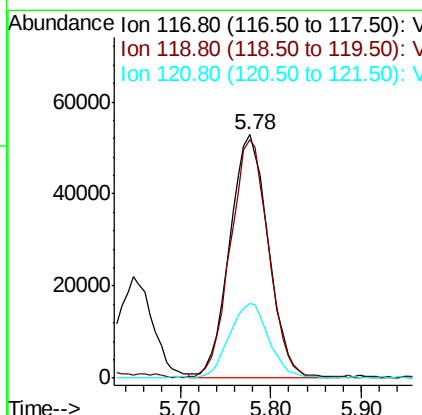
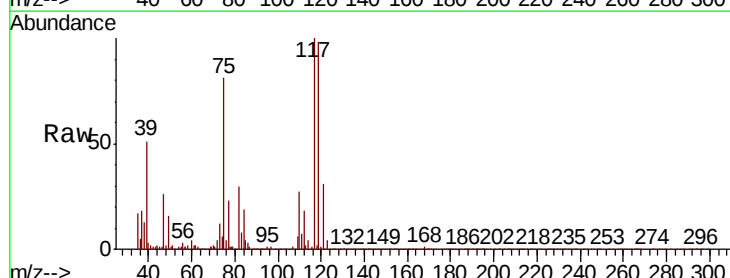
Manual Integrations
APPROVED

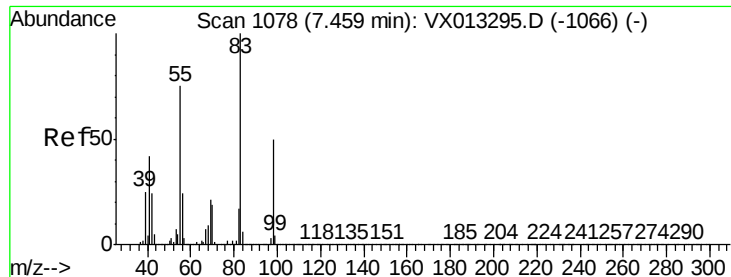
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11/25/2019 10:40:21 AM



#38
Carbon Tetrachloride
Concen: 17.785 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	117	Resp	154922
Ion Ratio	Lower	Upper	
117	100		
119	97.6	76.1	114.1
121	30.4	24.6	37.0





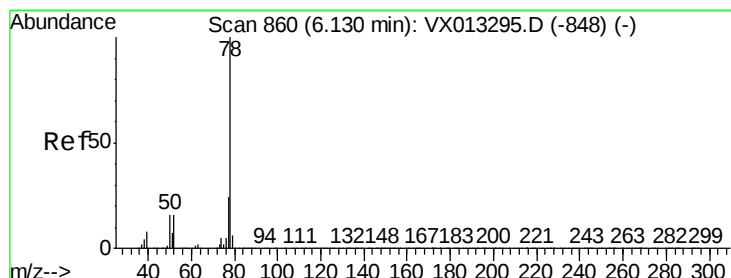
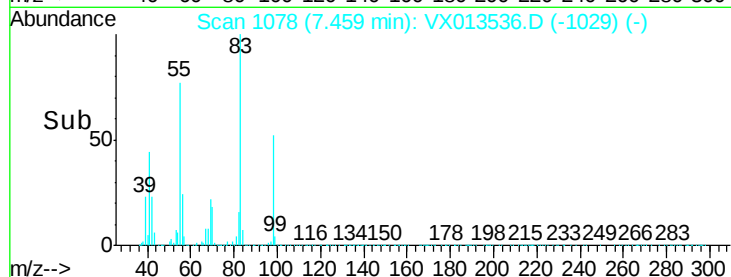
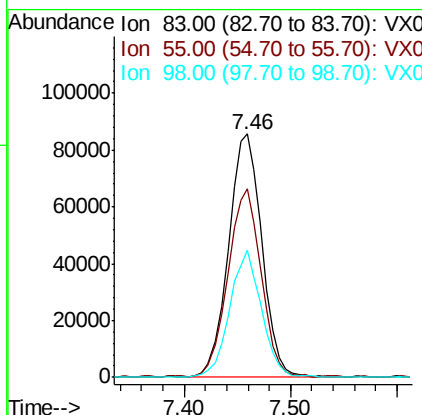
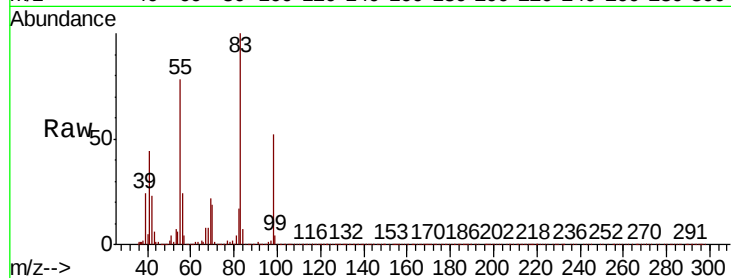
#39
Methvlcvclohexane
Concen: 16.840 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	60.3	90.5
98	52.1	40.3	60.5

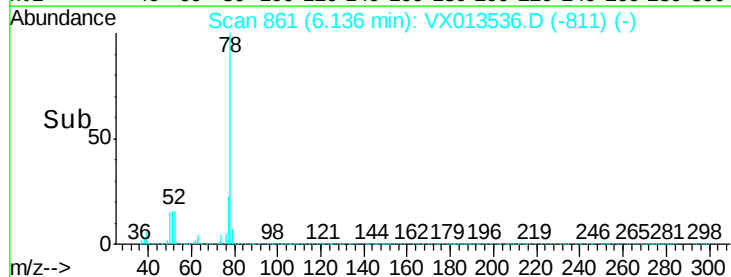
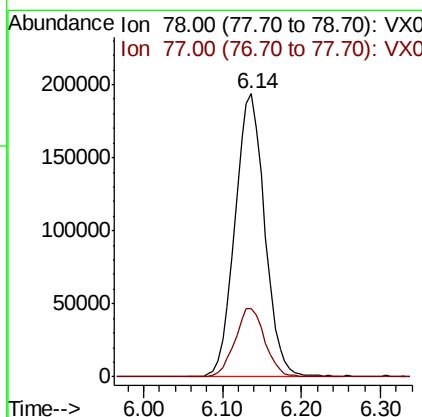
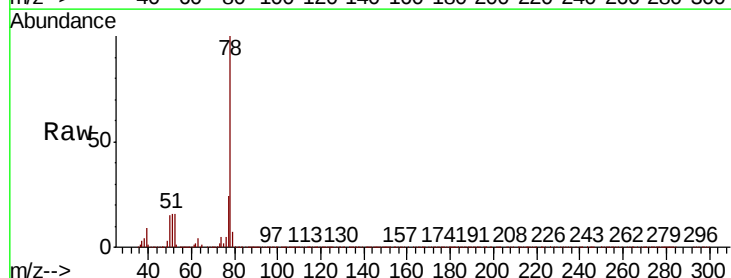
Manual Integrations
APPROVED

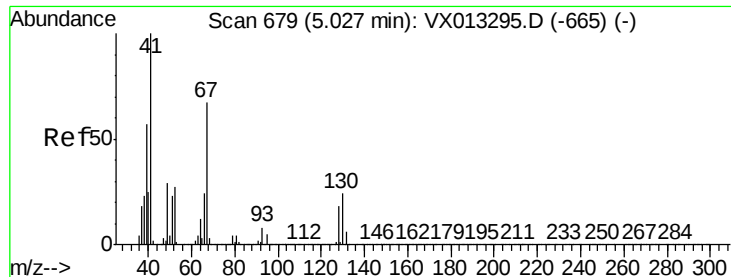
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#40
Benzene
Concen: 18.302 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.5	29.3





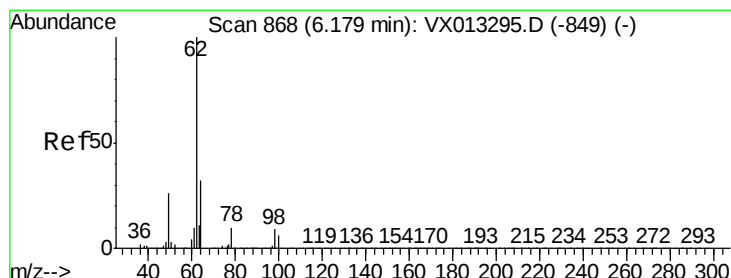
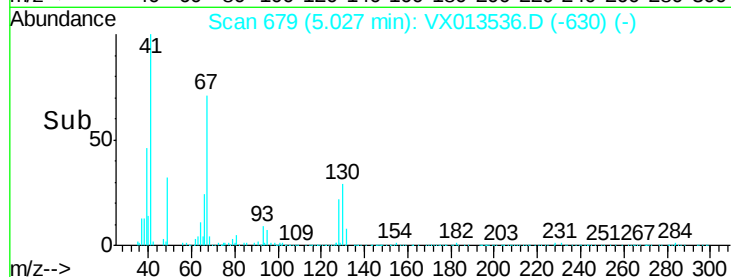
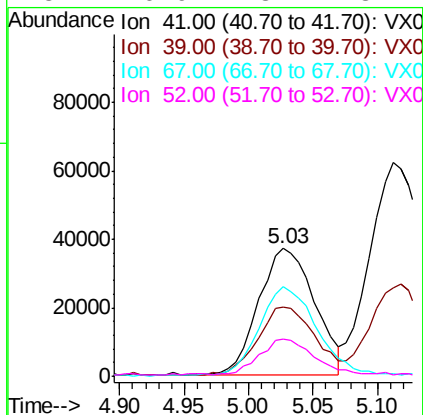
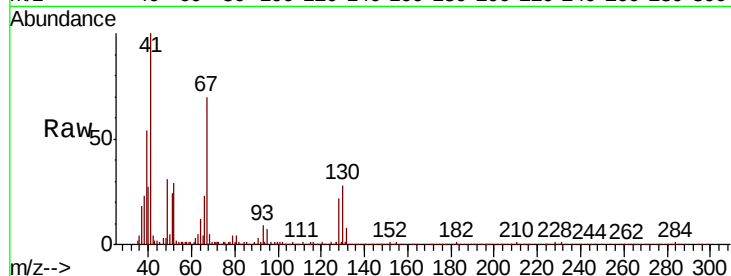
#41
Methacrylonitrile
Concen: 18.058 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	45.0	67.6	
67	71.9	55.4	83.2	
52	26.9	23.1	34.7	

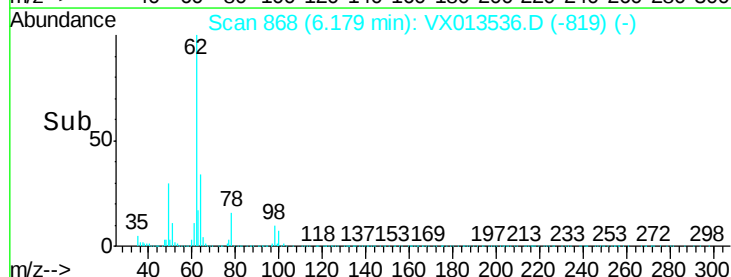
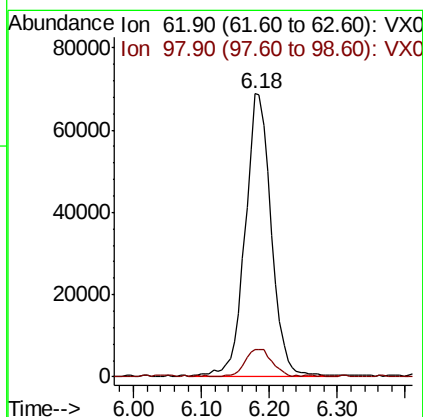
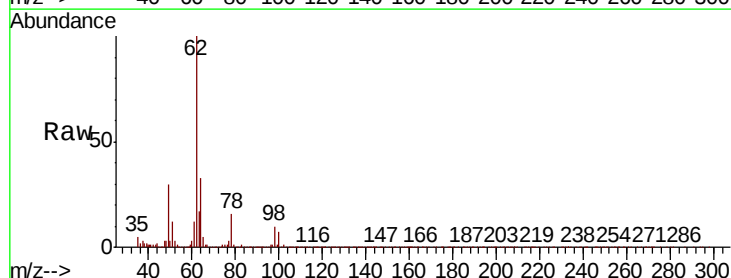
Manual Integrations
APPROVED

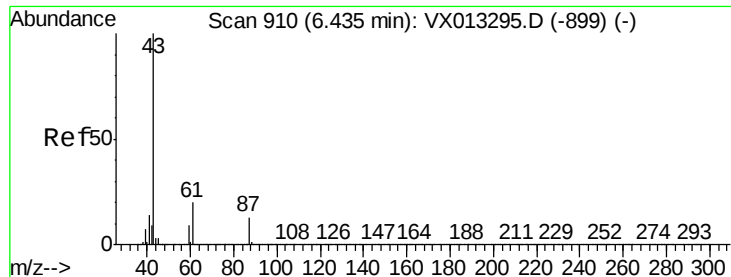
MMDadoda
11/25/2019 10:40:21 AM



#42
1,2-Dichloroethane
Concen: 18.128 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.4	





#43

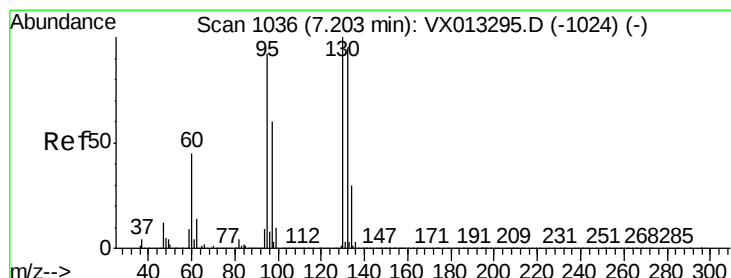
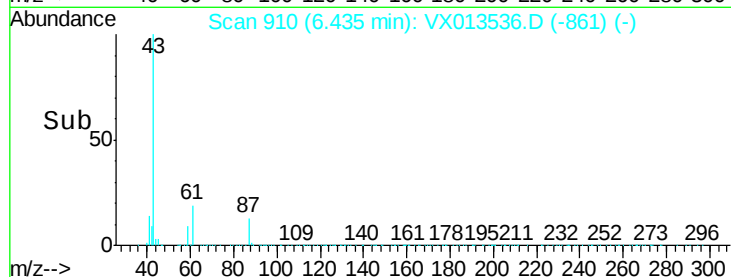
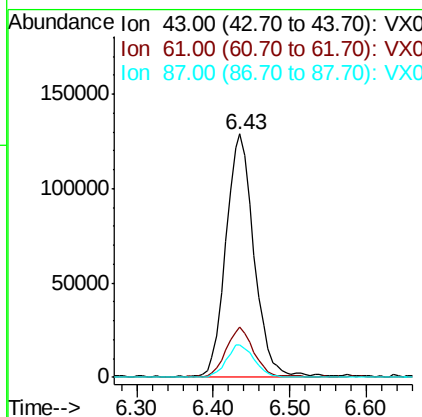
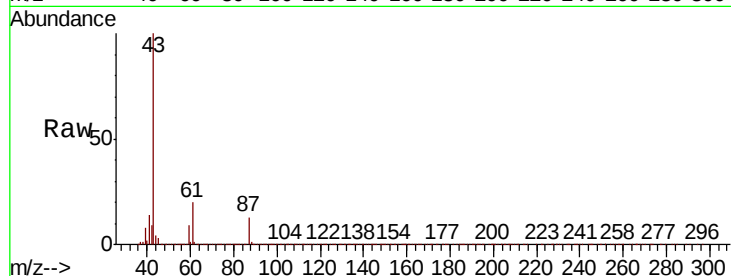
Isopropyl Acetate
 Concen: 18.961 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.8	23.8
87	13.6	10.4	15.6

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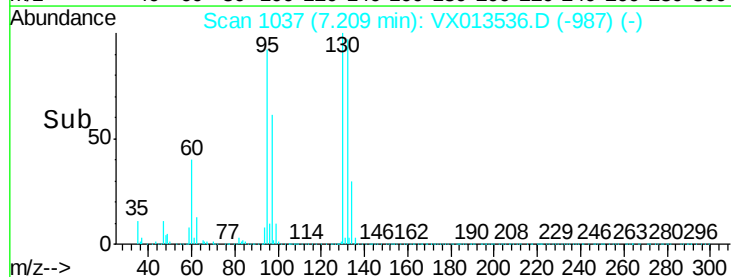
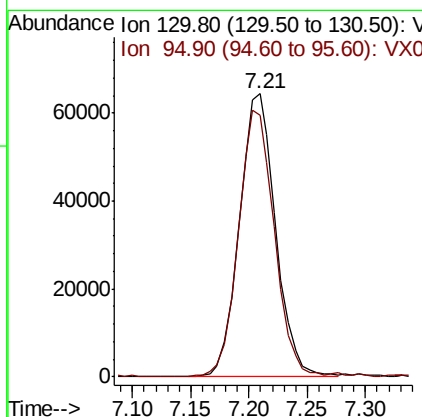
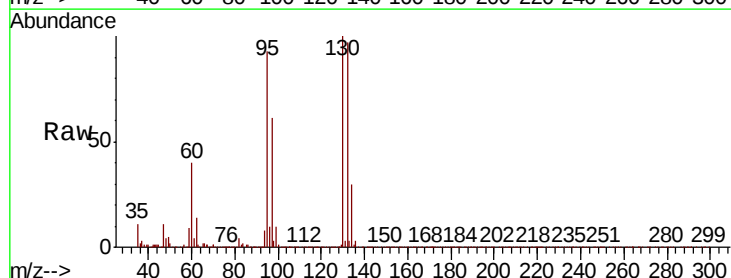
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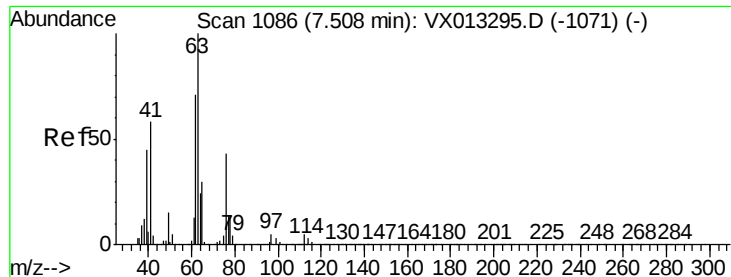


#44

Trichloroethene
 Concen: 18.221 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	184.8





#45

1,2-Dichloropropane

Concen: 18.992 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBSD02

Tot Ion: 63 Resp: 134275

Ion Ratio Lower Upper

63 100

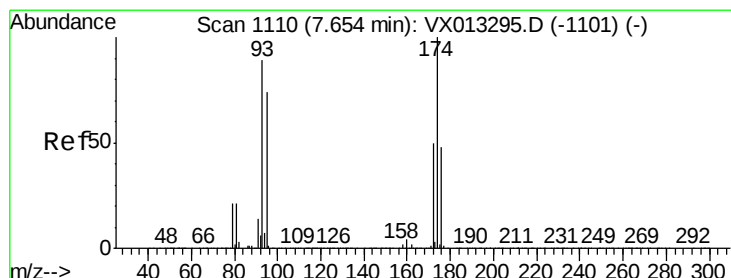
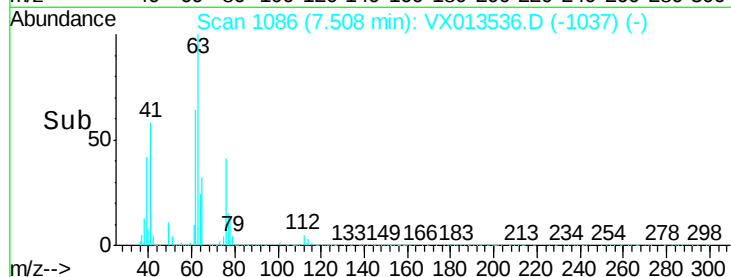
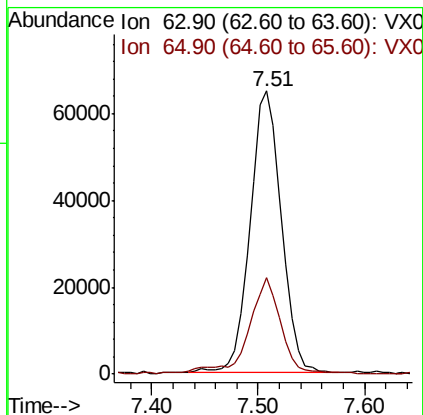
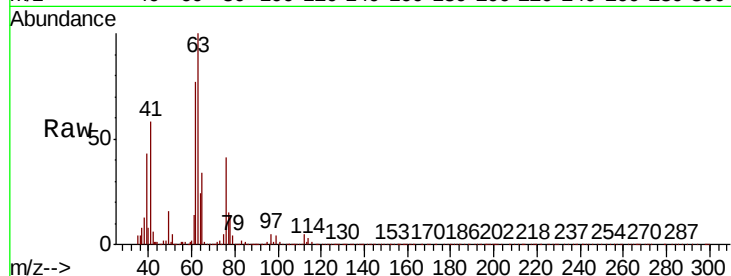
65 33.6 24.3 36.5

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#46

Dibromomethane

Concen: 17.817 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

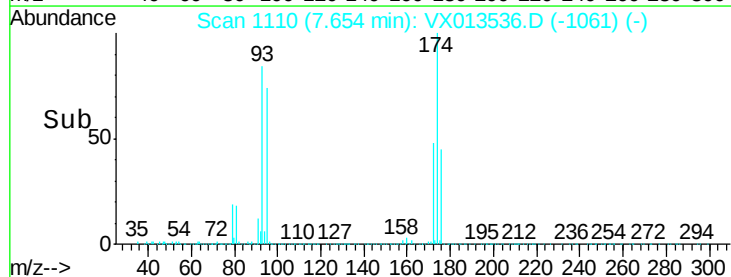
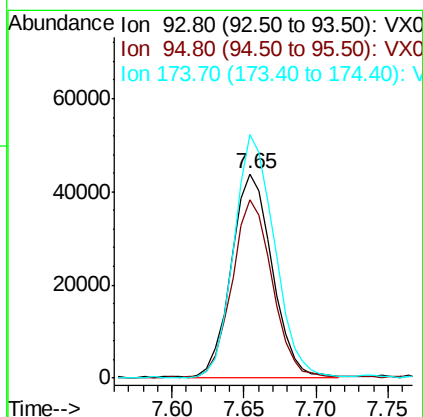
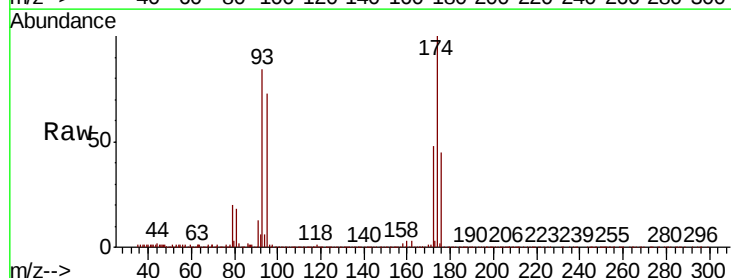
Tgt Ion: 93 Resp: 86006

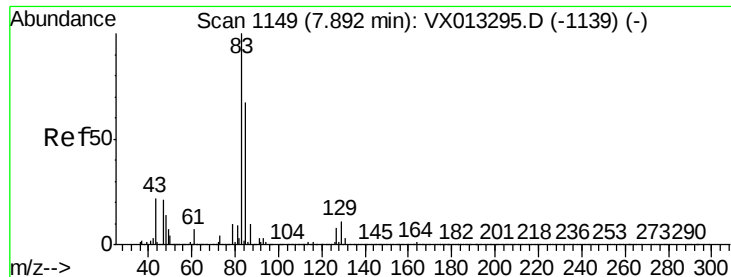
Ion Ratio Lower Upper

93 100

95 86.0 65.8 98.6

174 119.0 90.4 135.6





#47

Bromodichloromethane

Concen: 18.886 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

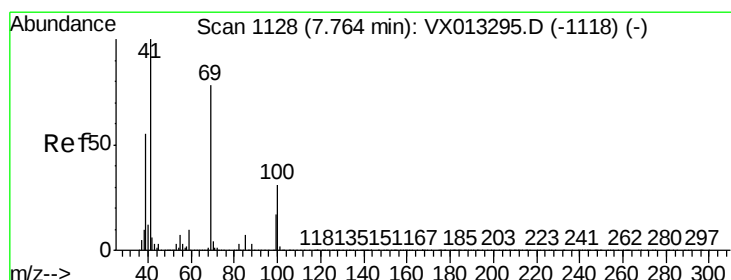
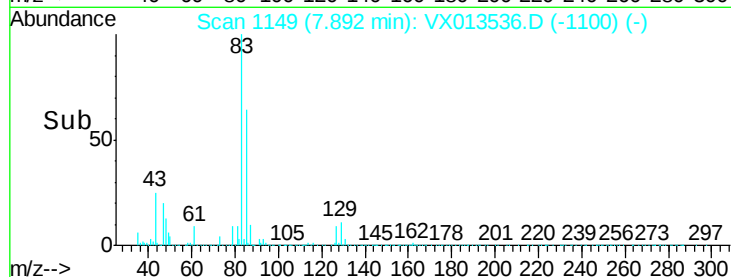
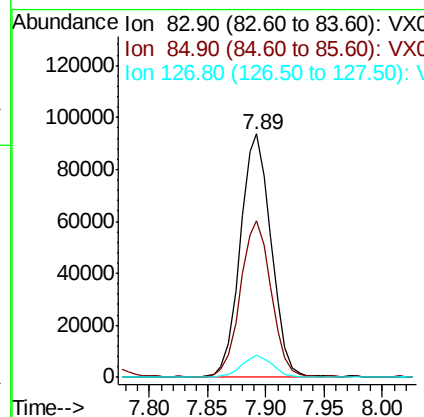
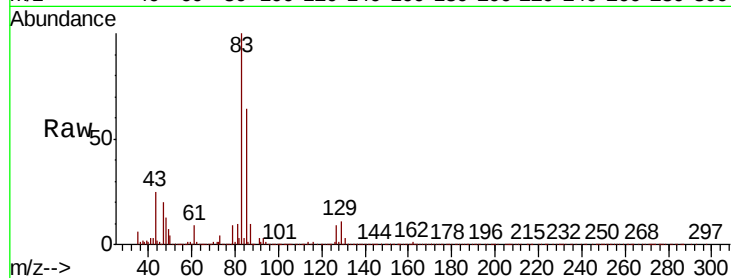
ClientSampleId :

VX1122WBSD02

Tot Ion:	83	Resp:	171912
Ion Ratio	Lower	Upper	
83	100		
85	64.2	53.7	80.5
127	9.2	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.421 ug/l

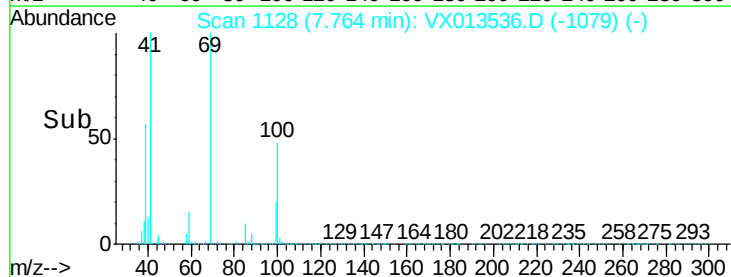
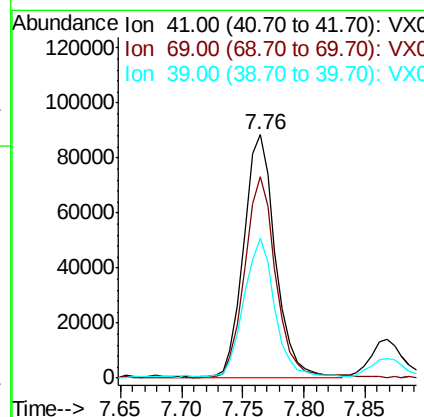
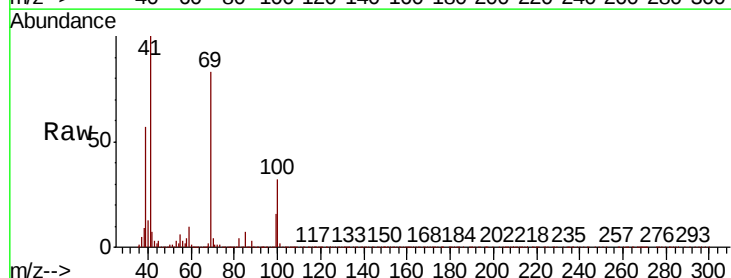
RT: 7.76 min Scan# 1128

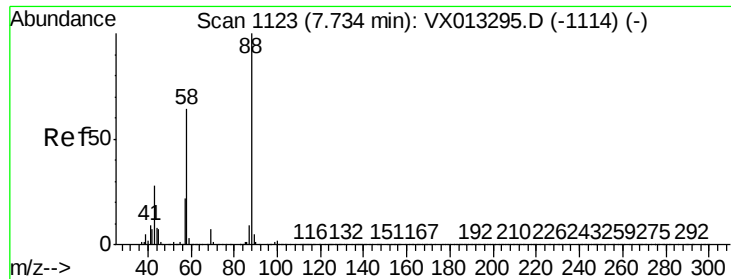
Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Tgt Ion:	41	Resp:	157611
Ion Ratio	Lower	Upper	
41	100		
69	82.0	63.0	94.6
39	55.6	45.9	68.9





#49

1,4-Dioxane

Concen: 316.217 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

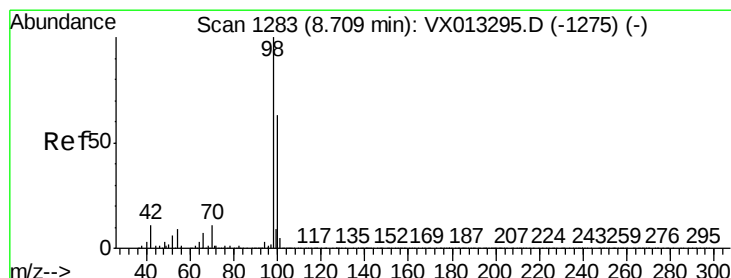
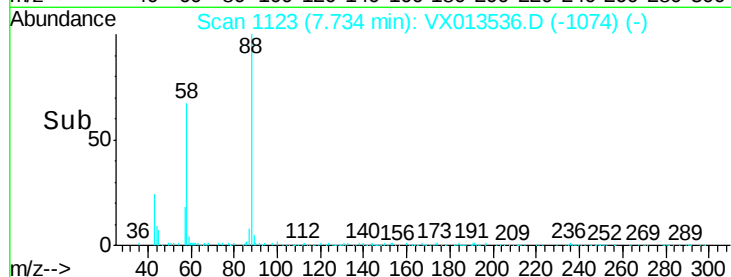
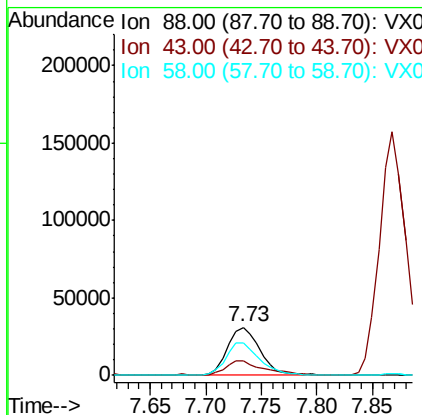
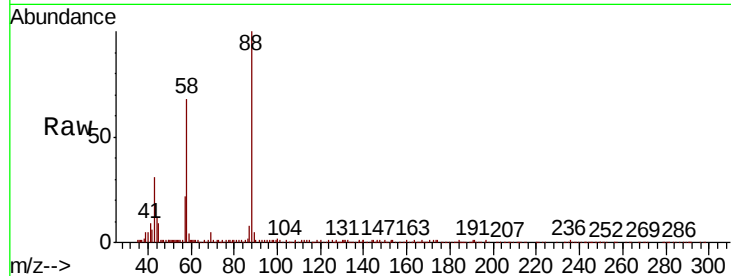
ClientSampleId :

VX1122WBSD02

Tot Ion:	88	Resp:	61960
Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.6	39.8
58	68.6	55.0	82.6

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#50

Toluene-d8

Concen: 46.263 ug/l

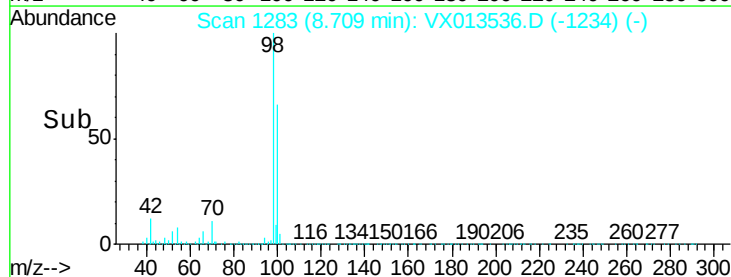
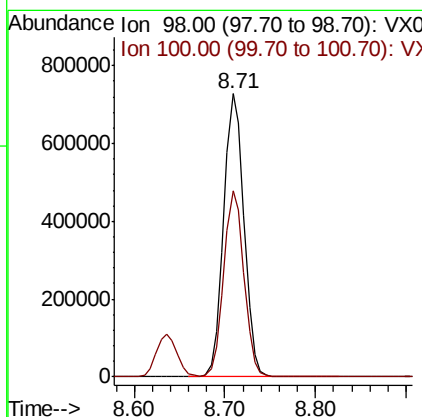
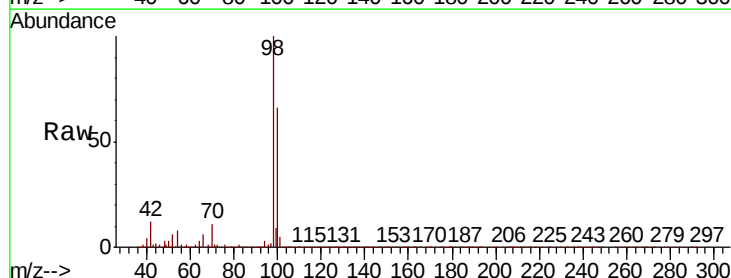
RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Tgt Ion:	98	Resp:	1135867
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.2





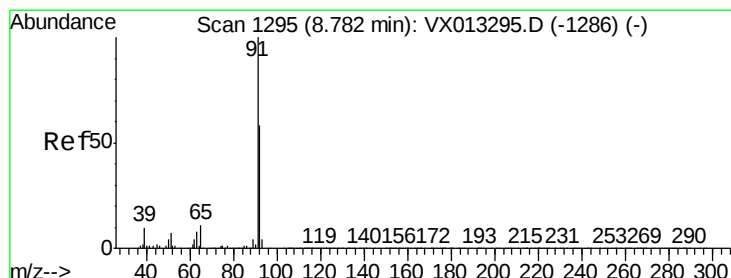
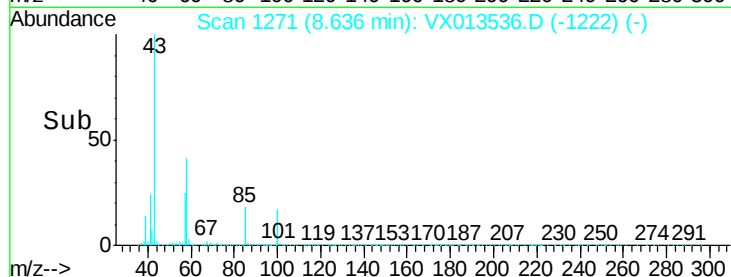
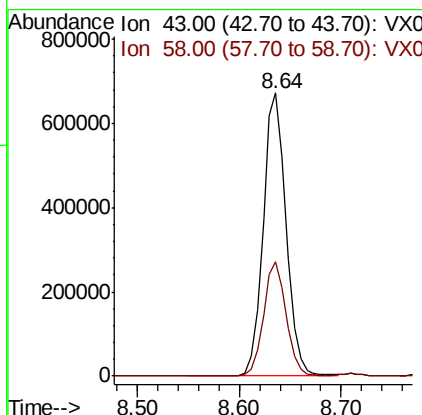
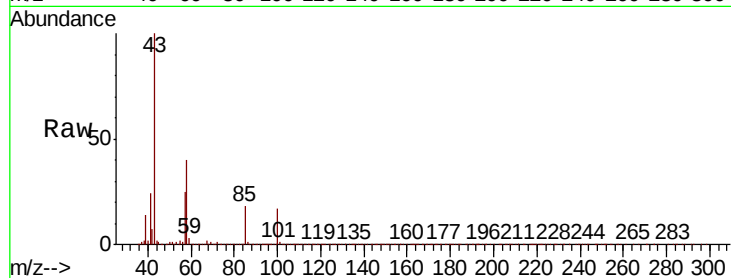
#51
4-Methyl-2-Pentanone
Concen: 93.267 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion: 43 Resp: 1048823
Ion Ratio Lower Upper
43 100
58 39.7 31.4 47.0

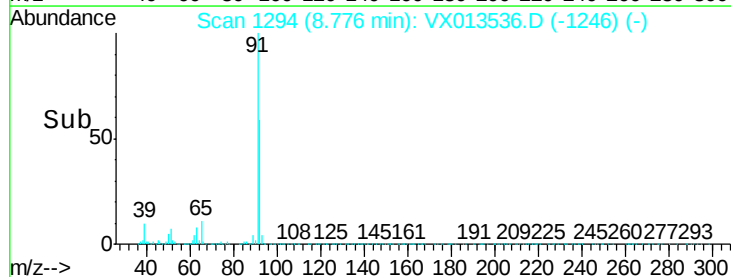
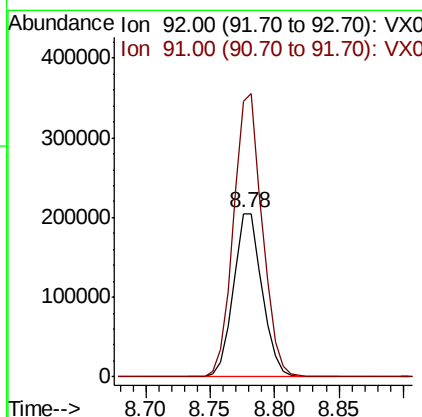
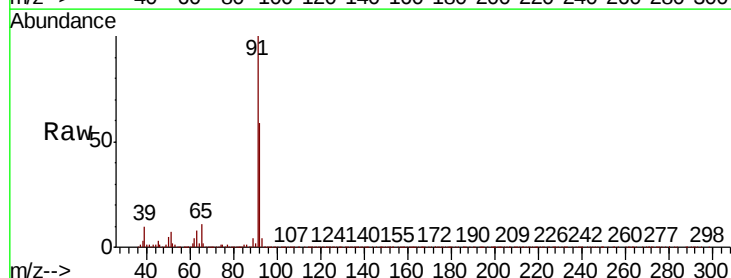
Manual Integrations
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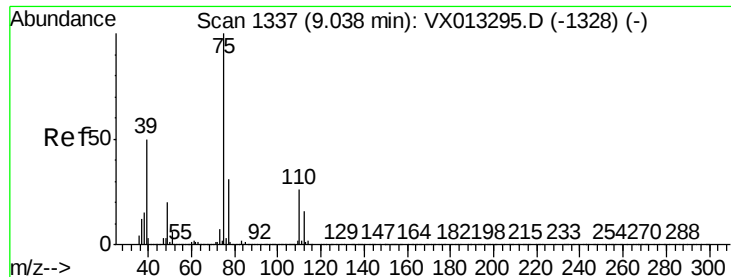
MMDadoda
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#52
Toluene
Concen: 18.480 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion: 92 Resp: 317810
Ion Ratio Lower Upper
92 100
91 173.2 138.0 207.0





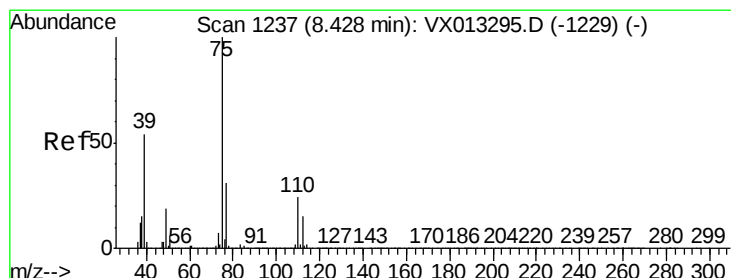
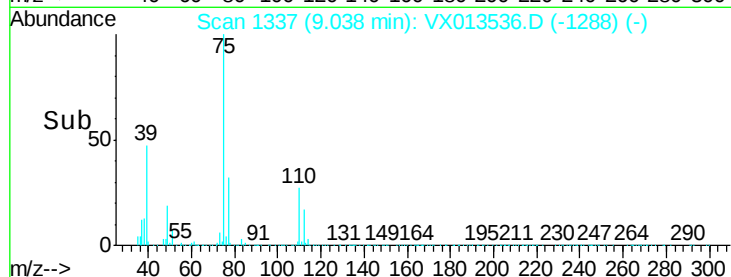
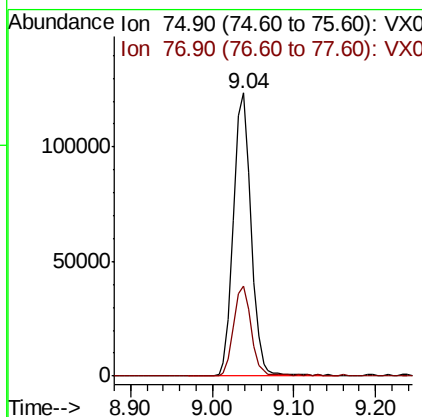
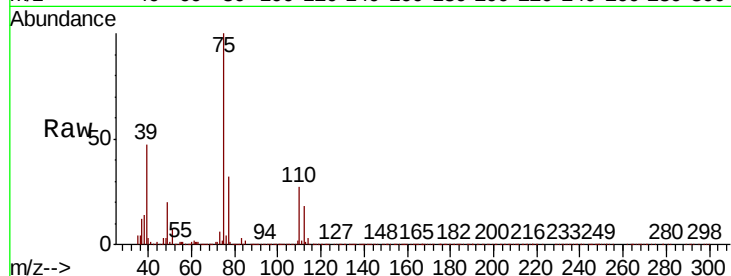
#53
t-1,3-Dichloropropene
Concen: 18.252 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4

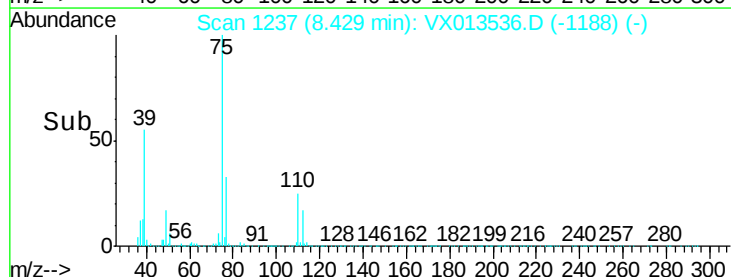
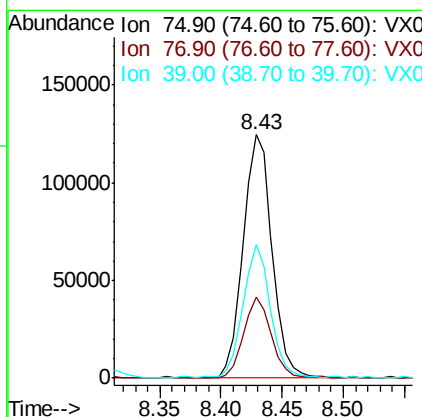
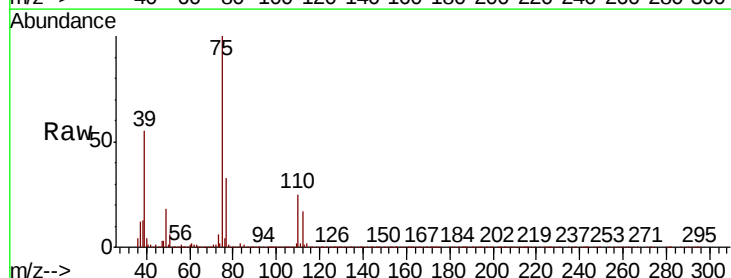
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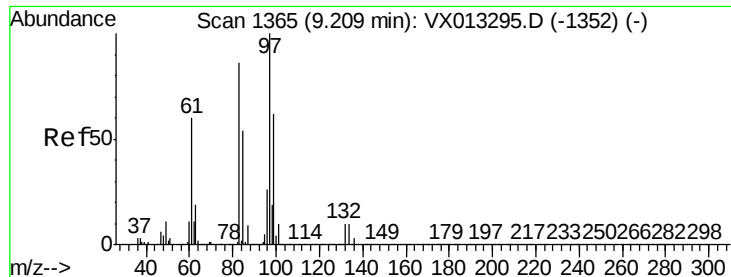
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#54
cis-1,3-Dichloropropene
Concen: 18.318 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.7	37.1
39	54.5	43.0	64.6





#55

1,1,2-Trichloroethane

Concen: 19.127 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

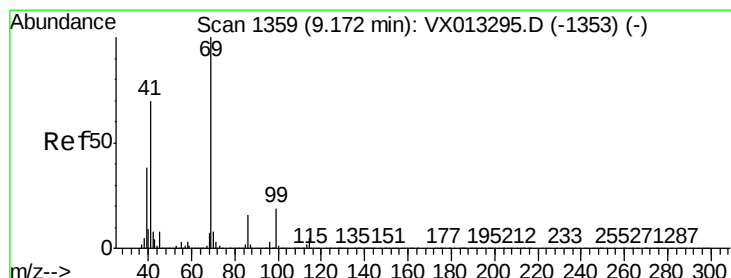
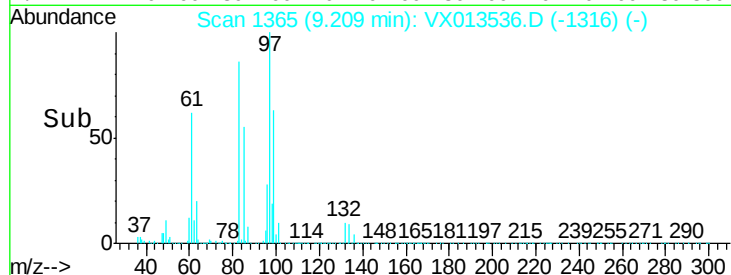
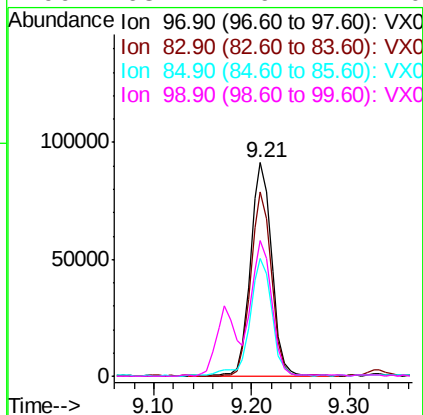
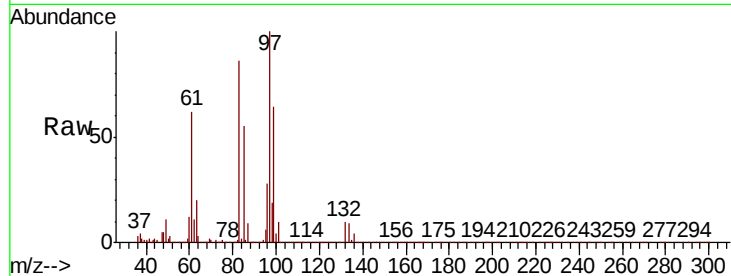
ClientSampleId :

VX1122WBSD02

Tot Ion:	97	Resp:	136345
Ion Ratio	Lower	Upper	
97	100		
83	85.9	68.6	103.0
85	55.1	43.1	64.7
99	63.4	49.4	74.0

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#56

Ethyl methacrylate

Concen: 18.714 ug/l

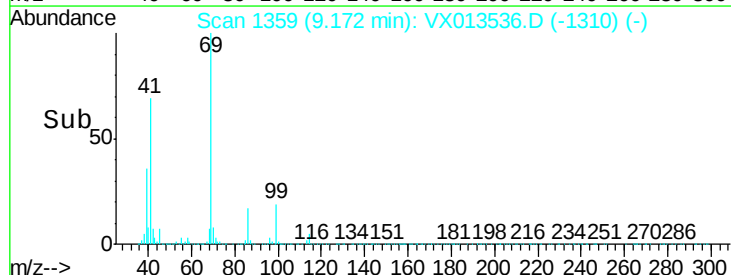
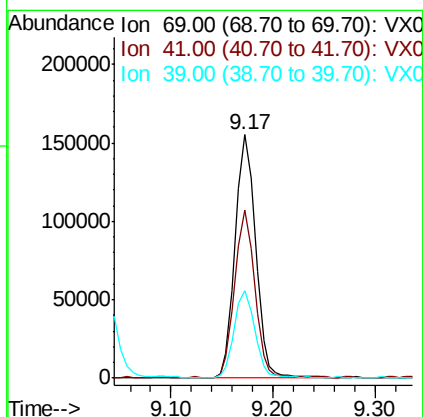
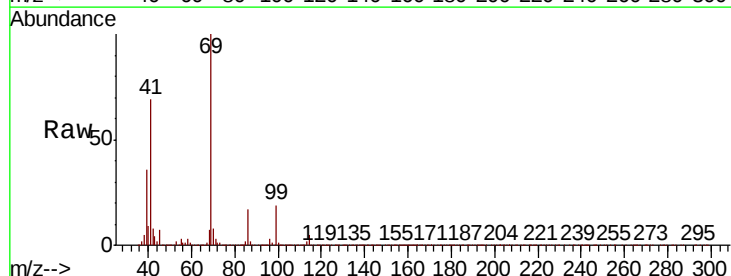
RT: 9.17 min Scan# 1359

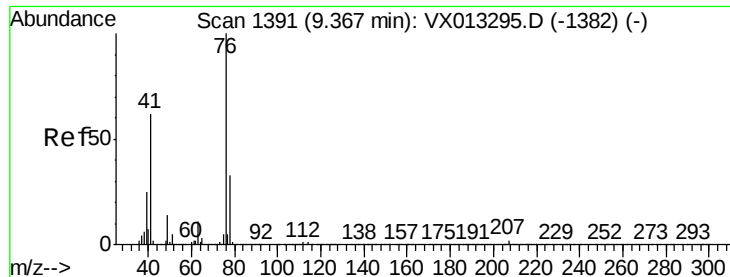
Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Tgt Ion:	69	Resp:	215458
Ion Ratio	Lower	Upper	
69	100		
41	67.7	56.2	84.2
39	35.6	31.1	46.7





#57

1,3-Dichloropropane

Concen: 18.811 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBSD02

Tot Ion: 76 Resp: 227621

Ion Ratio Lower Upper

76 100

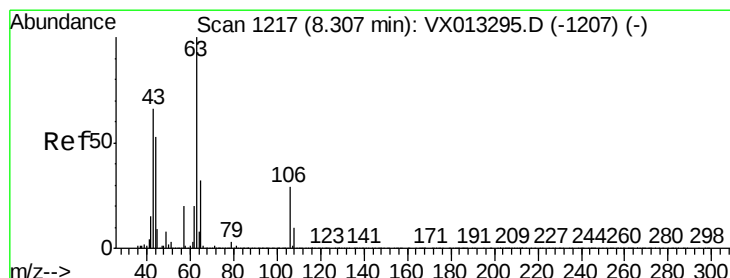
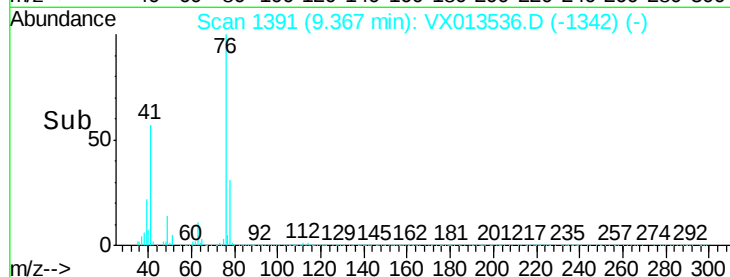
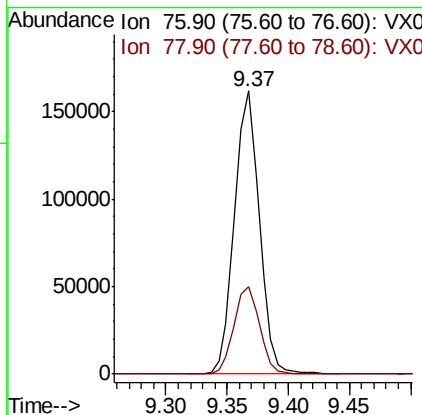
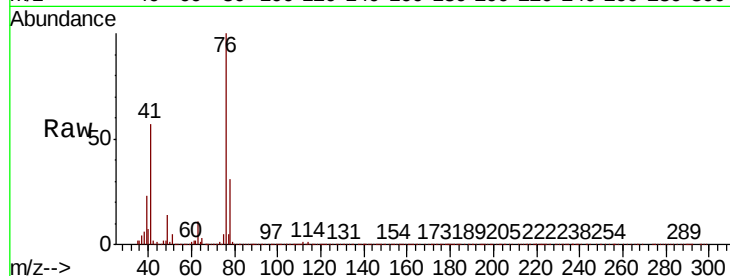
78 31.5 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 90.291 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013536.D

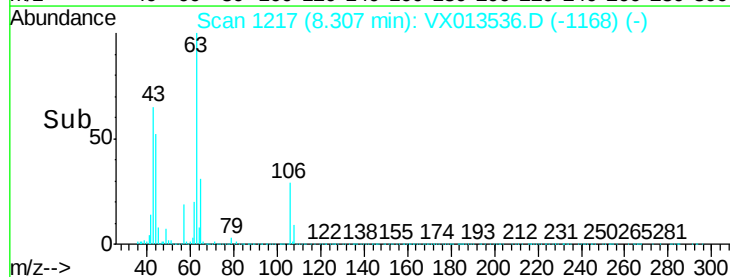
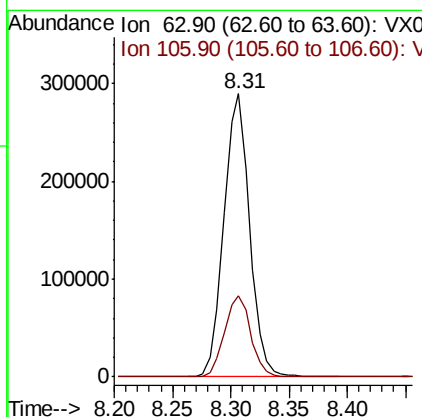
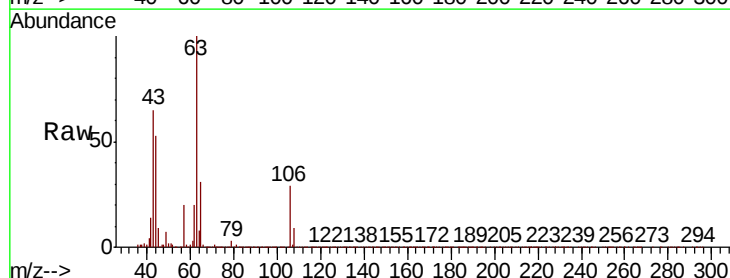
Acq: 22 Nov 2019 16:22

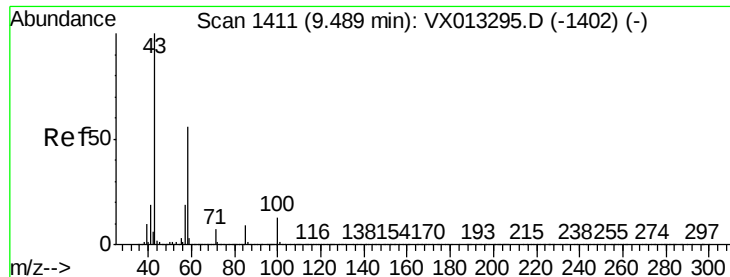
Tgt Ion: 63 Resp: 440082

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.2





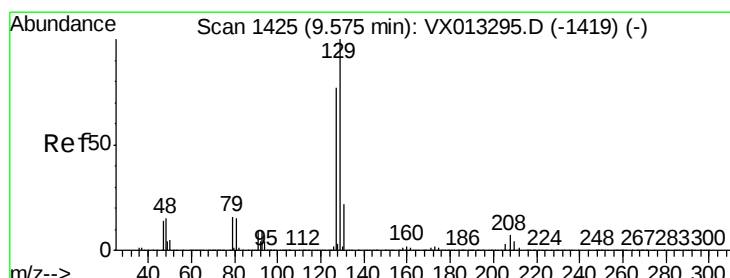
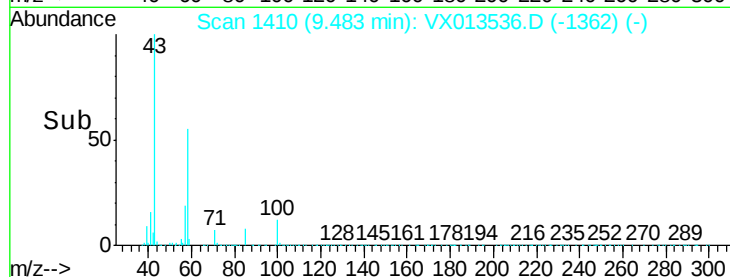
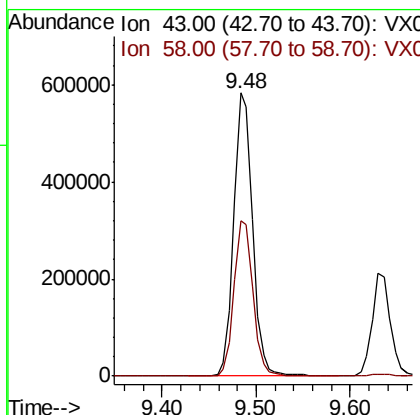
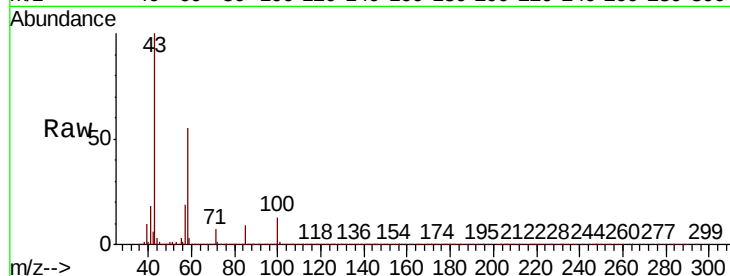
#59
2-Hexanone
Concen: 92.637 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion: 43 Resp: 805035
Ion Ratio Lower Upper
43 100
58 55.9 27.3 81.8

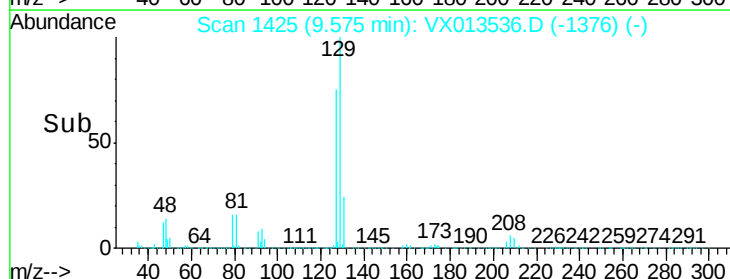
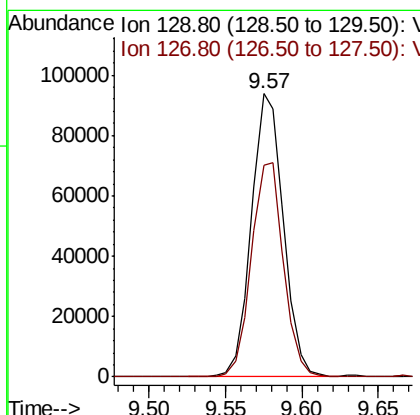
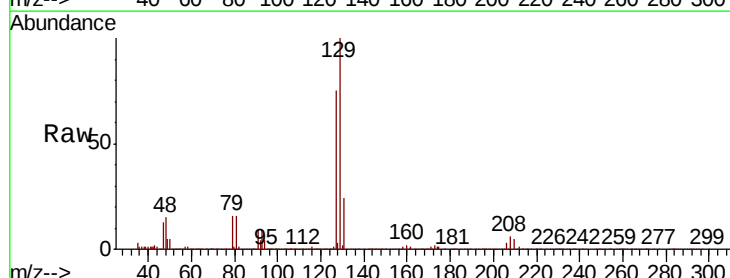
Manual Integrations
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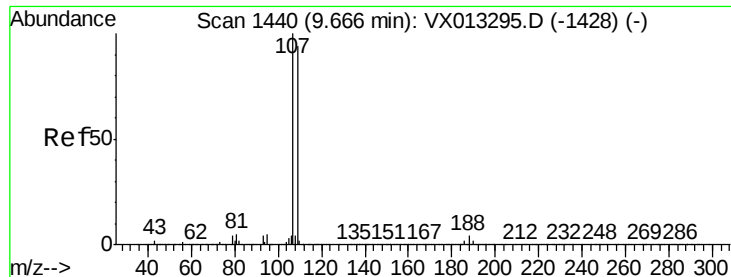
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#60
Dibromochloromethane
Concen: 18.635 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion: 129 Resp: 135858
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.742 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBSD02

Tot Ion: 107 Resp: 141868

Ion Ratio Lower Upper

107 100

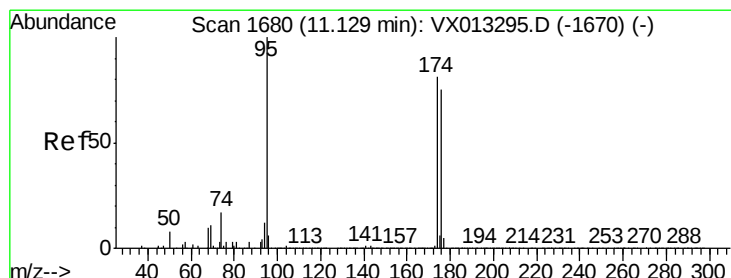
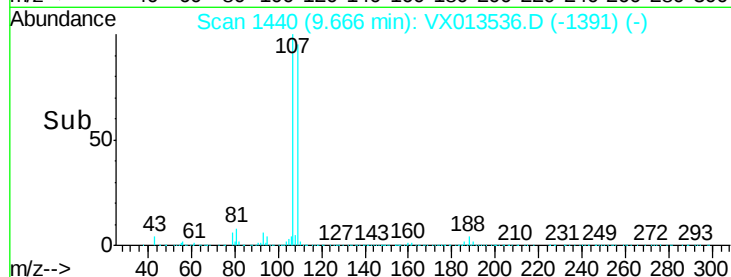
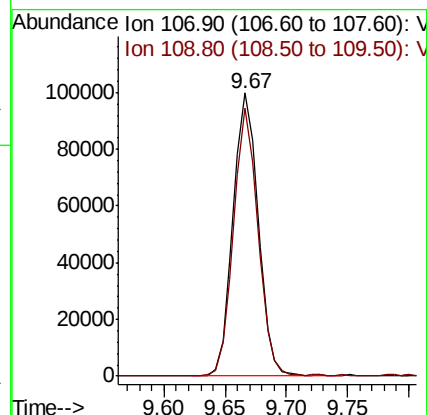
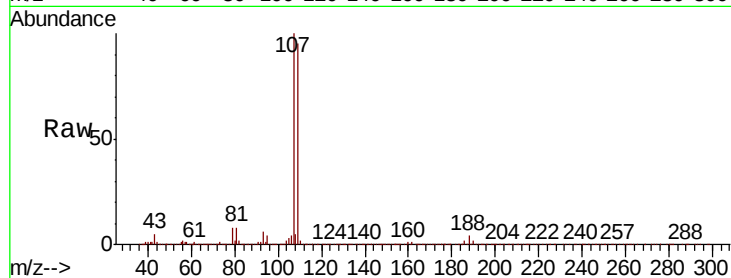
109 92.0 75.1 112.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 45.421 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

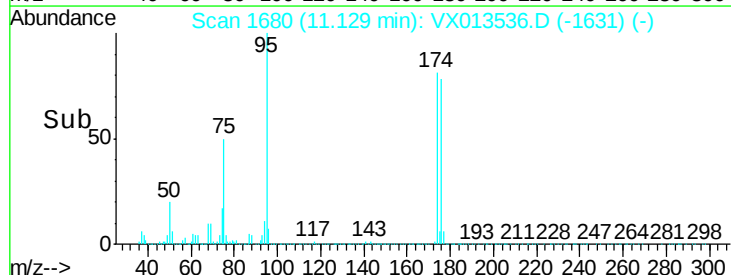
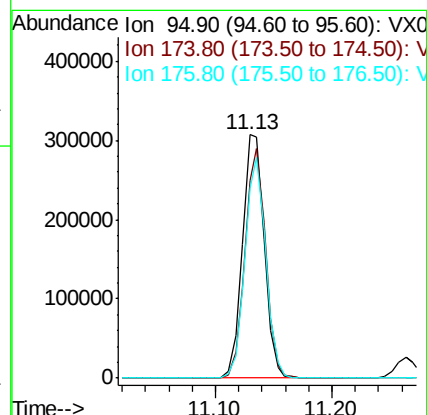
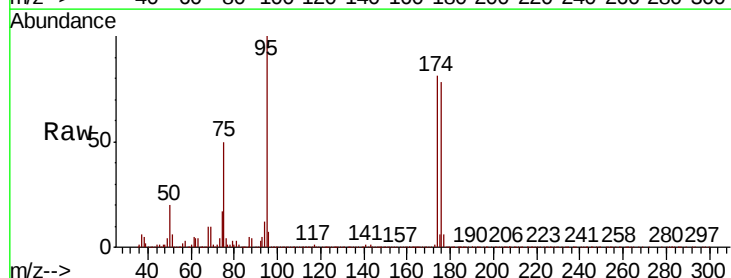
Tgt Ion: 95 Resp: 402480

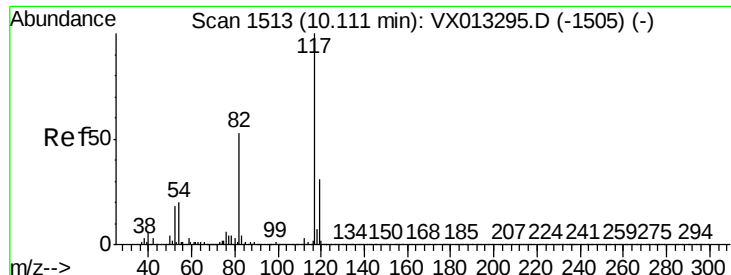
Ion Ratio Lower Upper

95 100

174 89.6 0.0 179.8

176 86.4 0.0 173.0





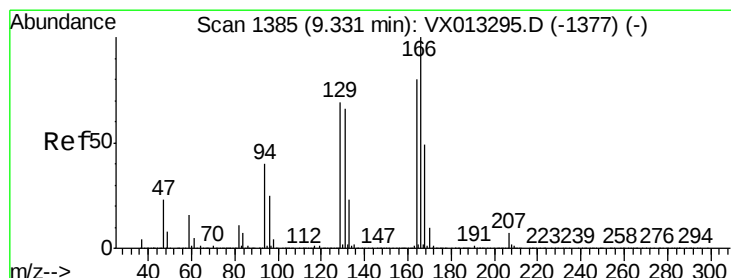
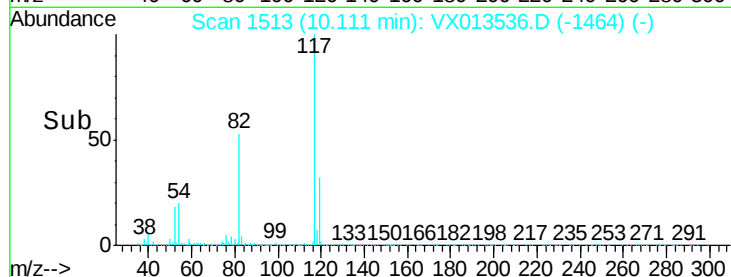
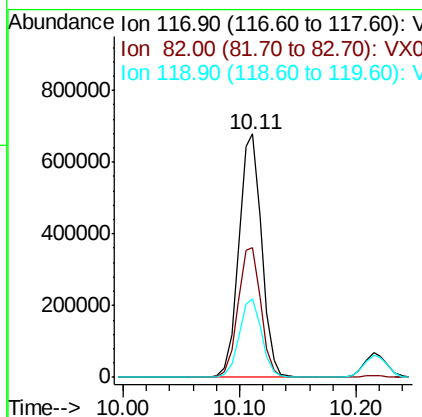
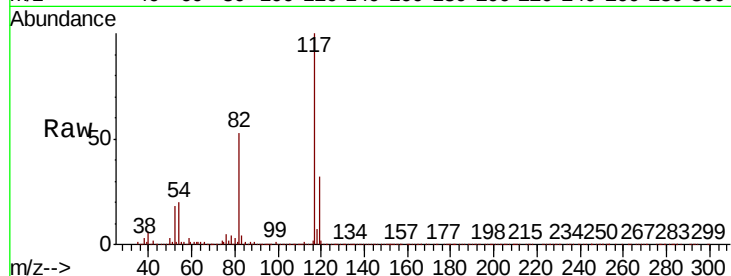
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	919535		
82	53.3		42.6	64.0
119	32.2		24.8	37.2

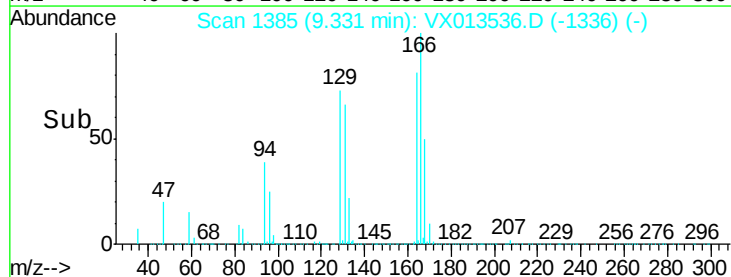
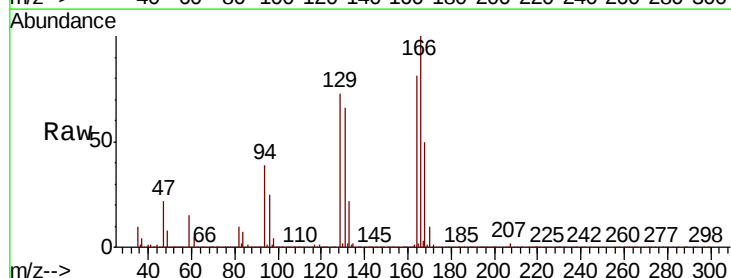
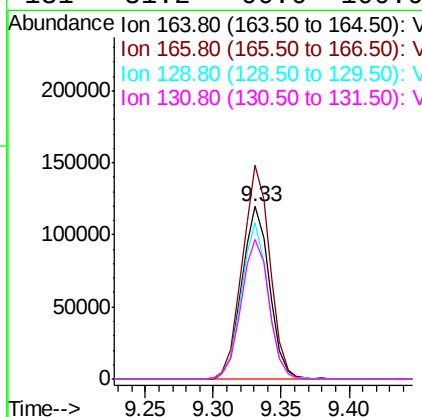
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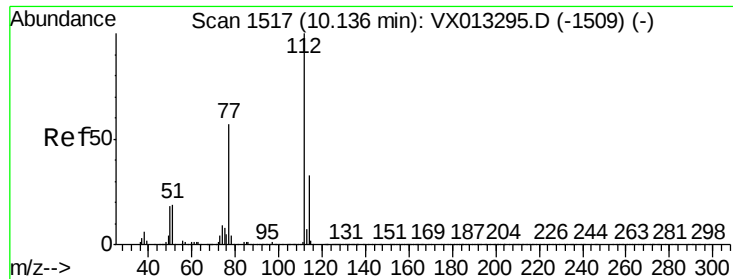
MMDadoda
11/25/2019 10:40:21 AM



#64
Tetrachloroethene
Concen: 25.722 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	169317		
166	123.7		100.4	150.6
129	90.3		69.4	104.2
131	81.2		66.6	100.0





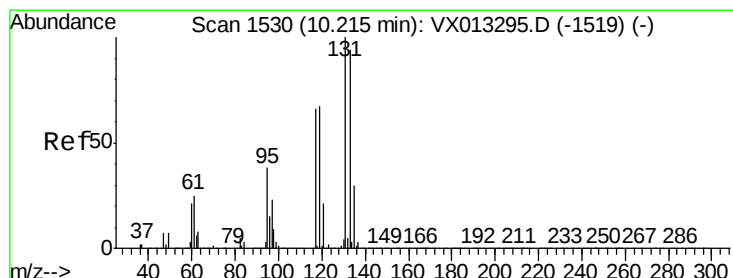
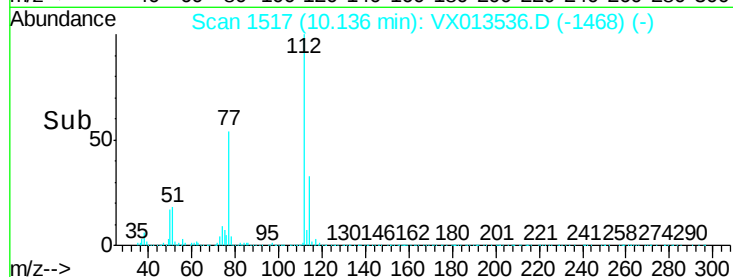
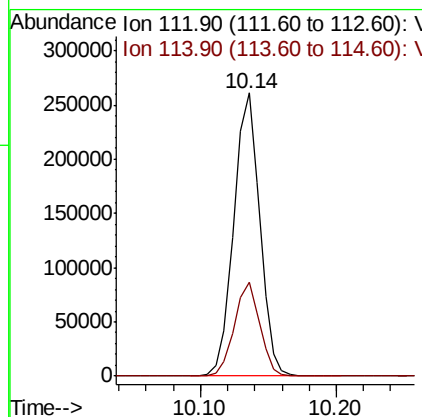
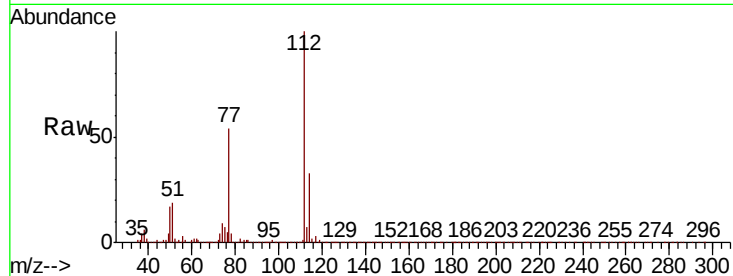
#65
Chlorobenzene
Concen: 18.658 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	347339		
114	33.1	26.4	39.6	

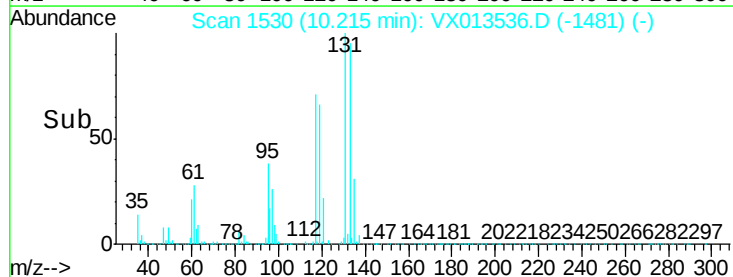
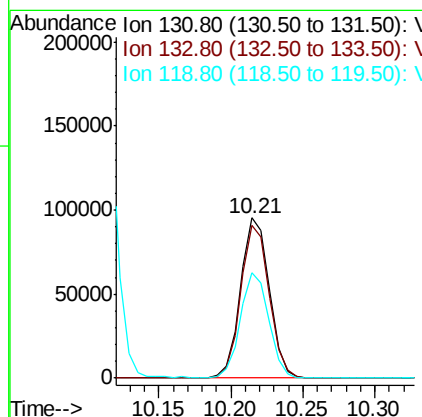
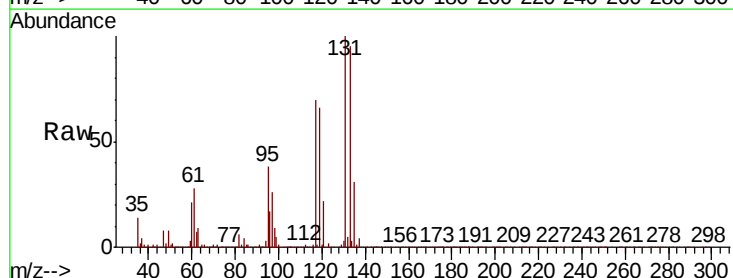
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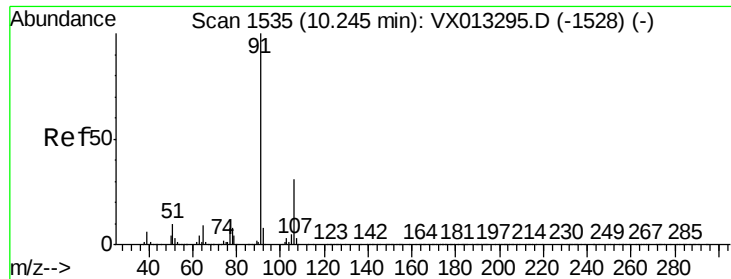
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.312 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	132007		
133	94.3	48.0	144.0	
119	64.9	33.0	99.0	





#67

Ethyl Benzene

Concen: 18.623 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBSD02

Tot Ion: 91 Resp: 598357

Ion Ratio Lower Upper

91 100

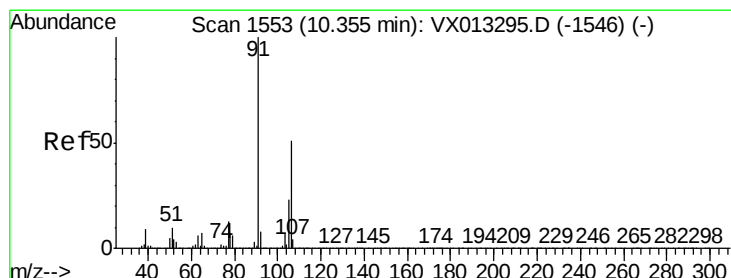
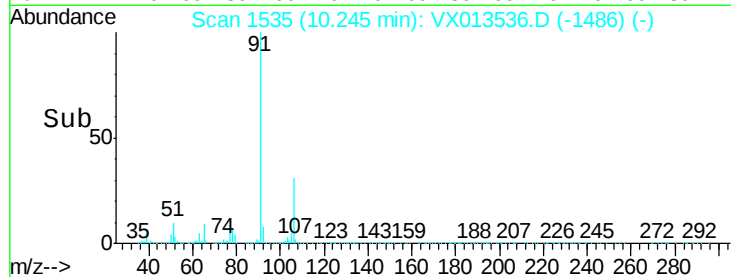
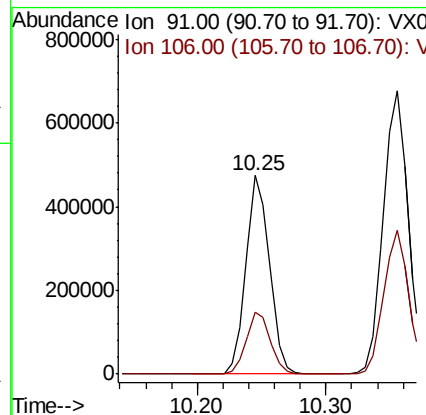
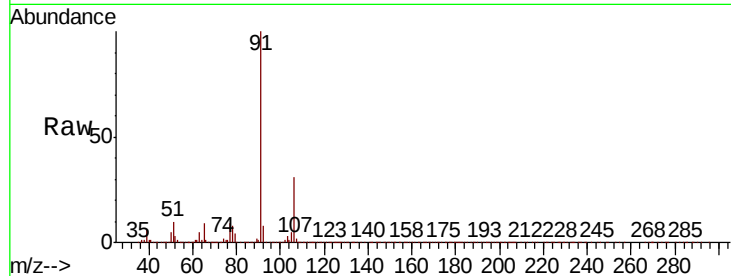
106 31.3 24.6 36.8

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#68

m/p-Xylenes

Concen: 37.623 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013536.D

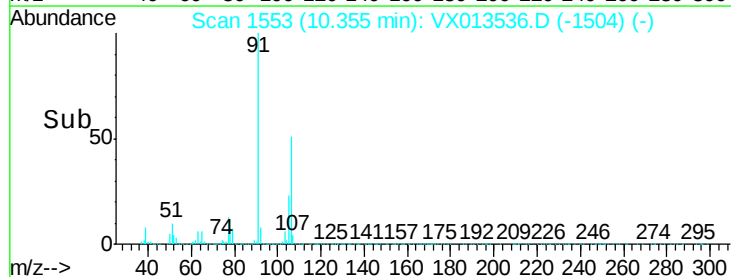
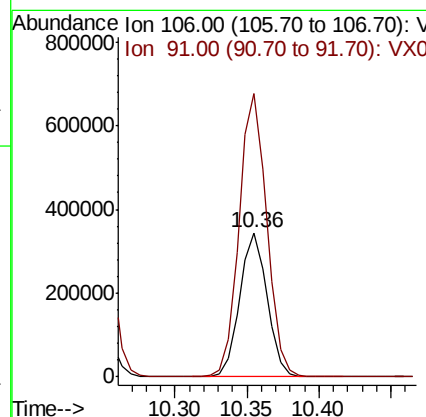
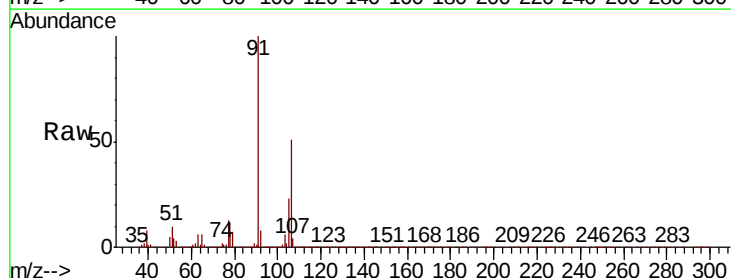
Acq: 22 Nov 2019 16:22

Tgt Ion: 106 Resp: 457167

Ion Ratio Lower Upper

106 100

91 198.1 159.3 238.9





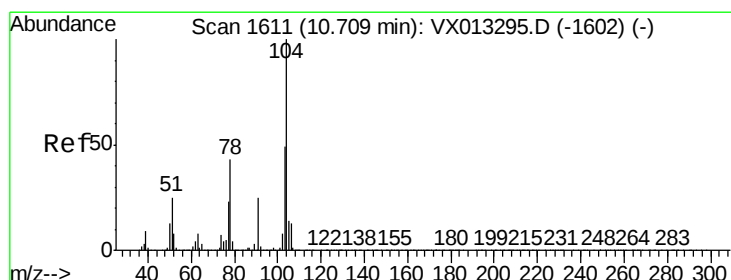
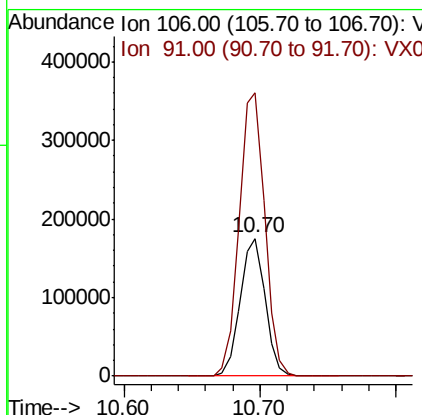
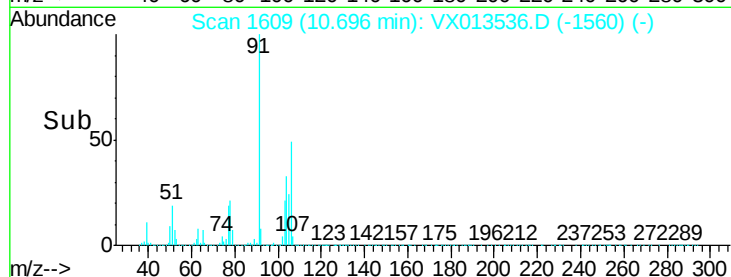
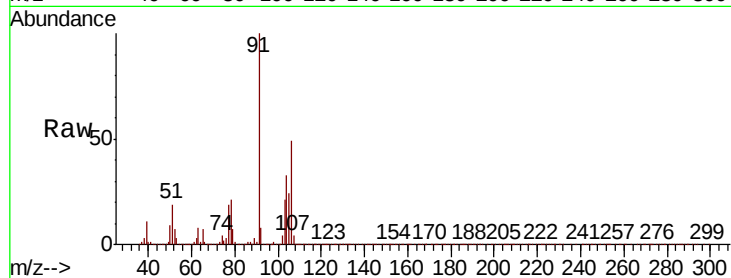
#69
o-Xylene
Concen: 18.960 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.3	105.7	317.0

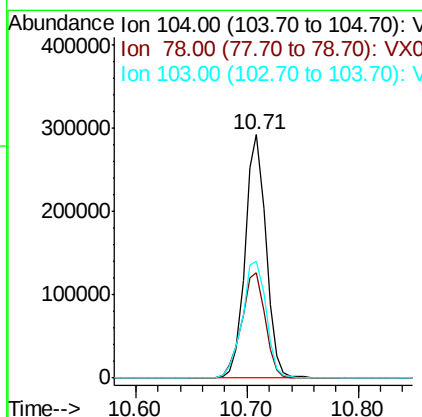
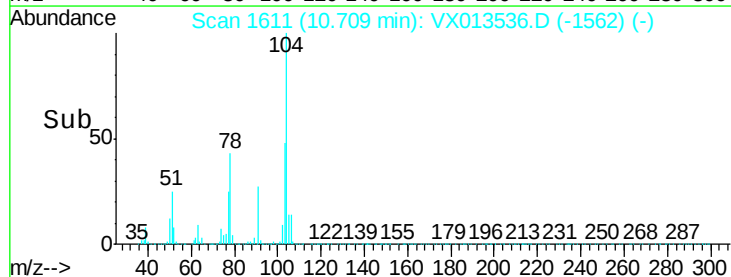
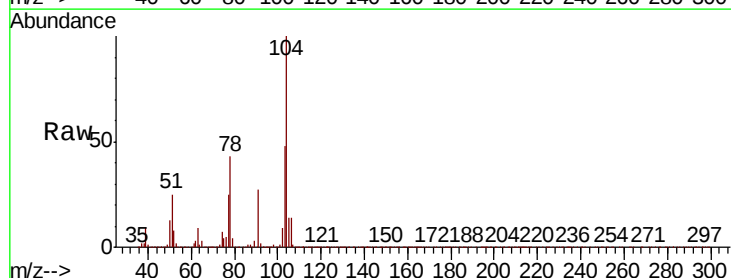
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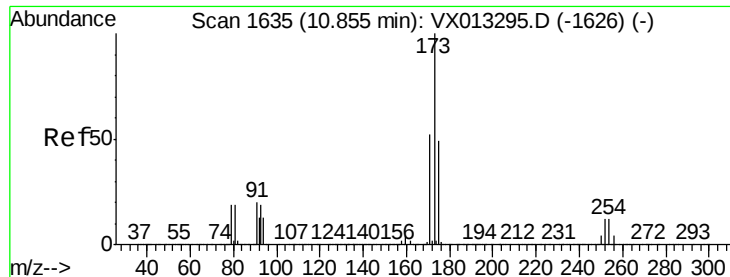
MMDadoda
11/25/2019 10:40:21 AM



#70
Styrene
Concen: 19.068 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.5	40.0	60.0
103	55.1	44.1	66.1





#71

Bromoform

Concen: 18.365 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBSD02

Tot Ion:173 Resp: 102672

Ion Ratio Lower Upper

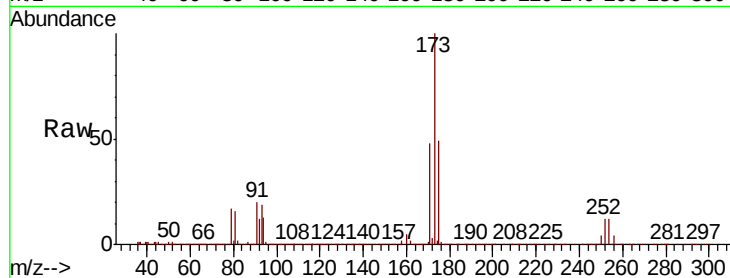
173 100

175 50.9 24.8 74.4

254 0.3 0.2 0.2#

Manual Integrations
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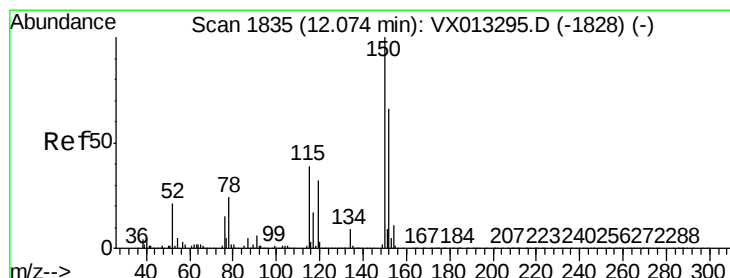
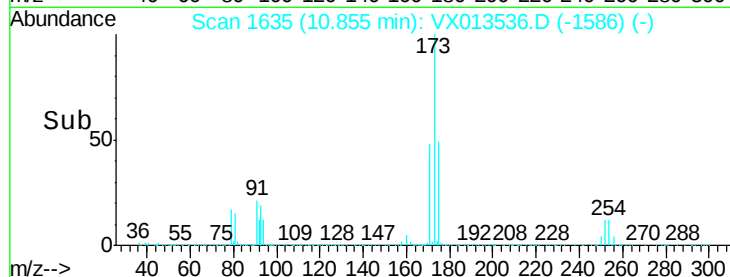
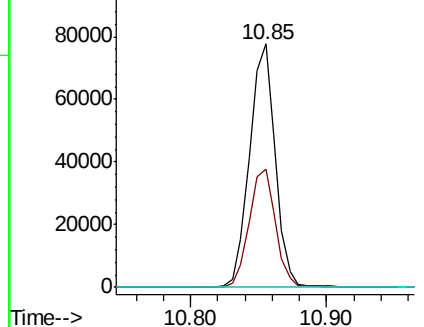
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX013536.D

Acq: 22 Nov 2019 16:22

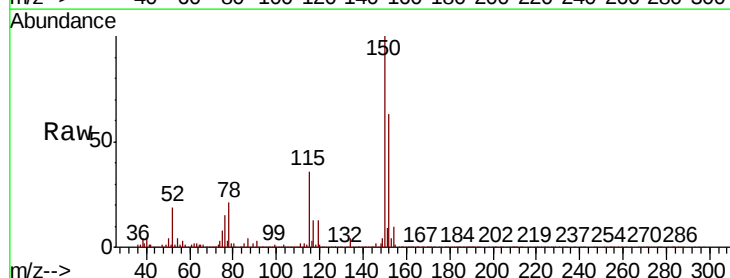
Tgt Ion:152 Resp: 447809

Ion Ratio Lower Upper

152 100

115 63.8 39.5 118.3

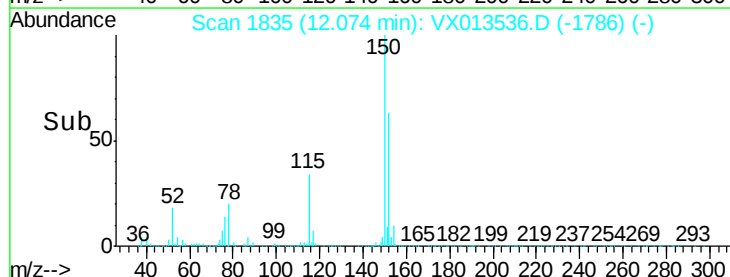
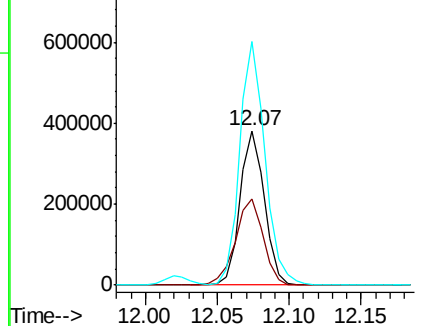
150 164.2 0.0 344.4

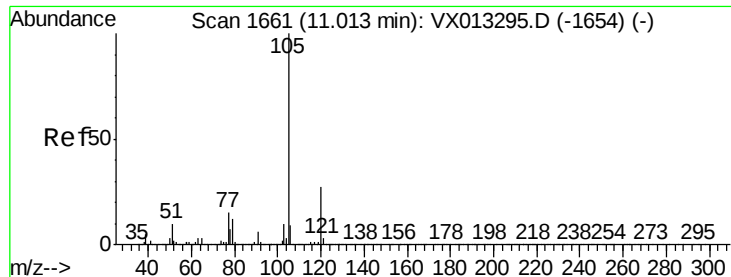


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.305 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBSD02

Tot Ion: 105 Resp: 602849

Ion Ratio Lower Upper

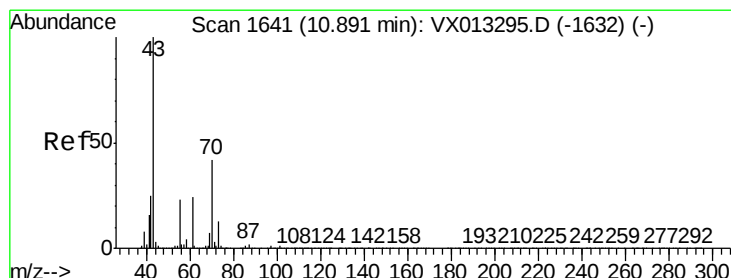
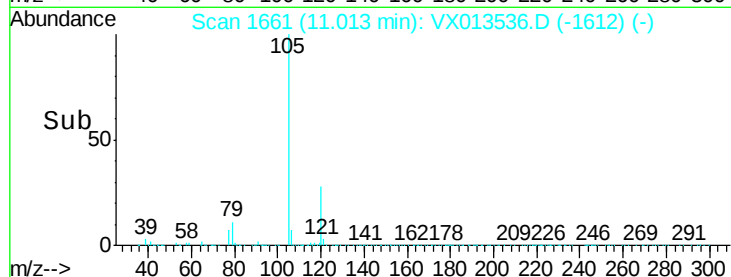
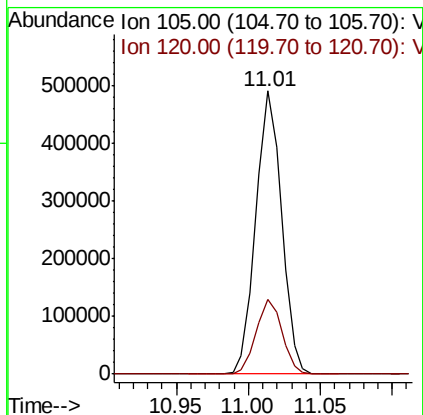
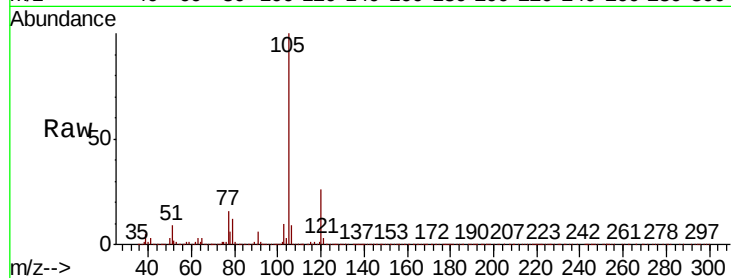
105 100

120 26.8 13.5 40.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.956 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Tgt Ion: 43 Resp: 274755

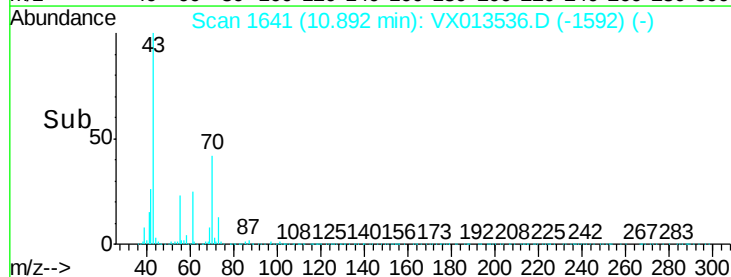
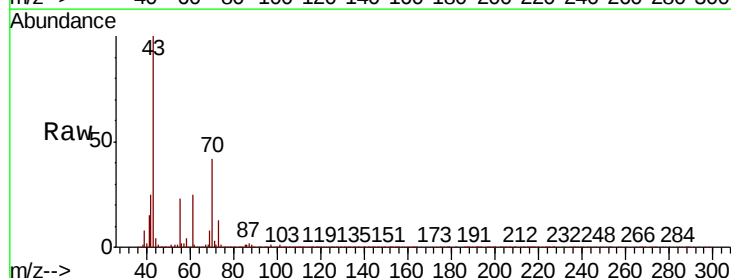
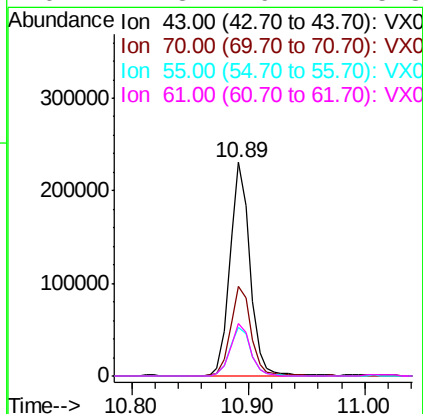
Ion Ratio Lower Upper

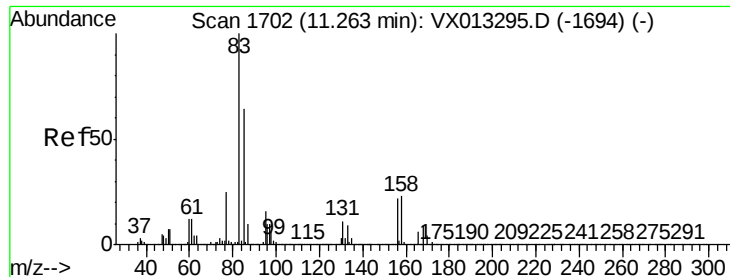
43 100

70 42.9 34.1 51.1

55 24.2 18.9 28.3

61 24.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.837 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBSD02

Tot Ion: 83 Resp: 214860

Ion Ratio Lower Upper

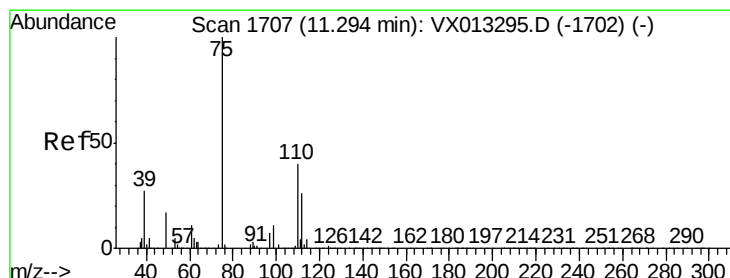
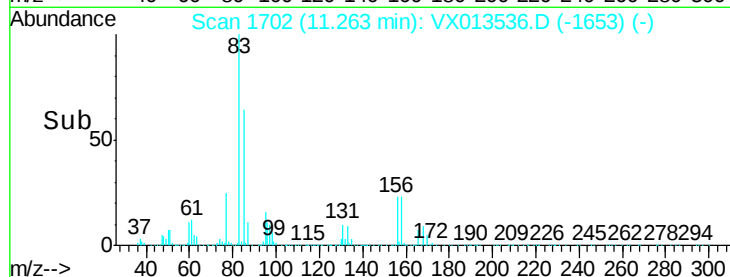
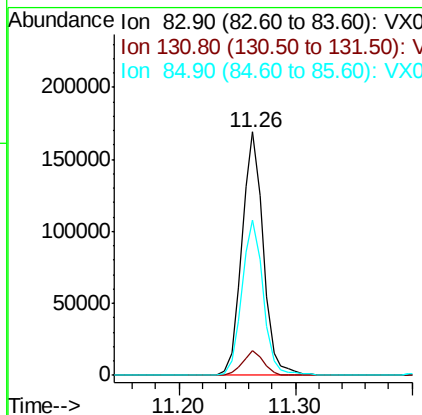
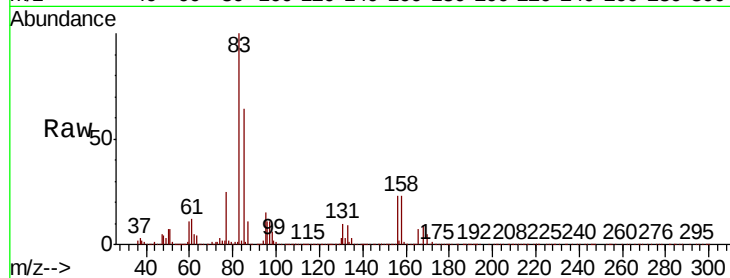
83 100

131 10.1 5.1 15.3

85 63.8 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.838 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013536.D

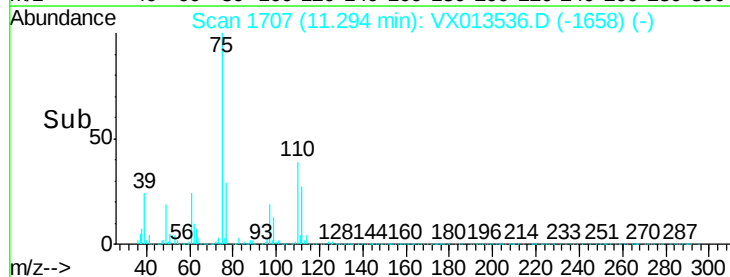
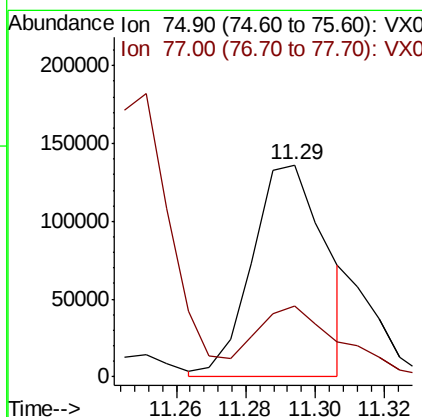
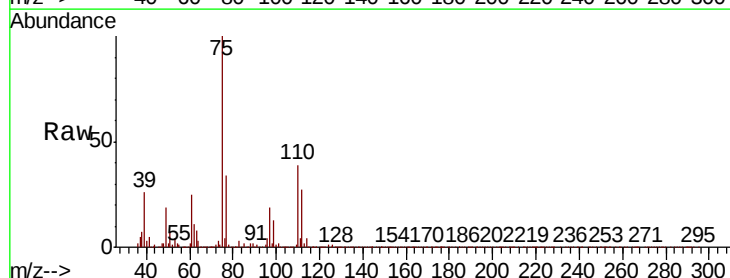
Acq: 22 Nov 2019 16:22

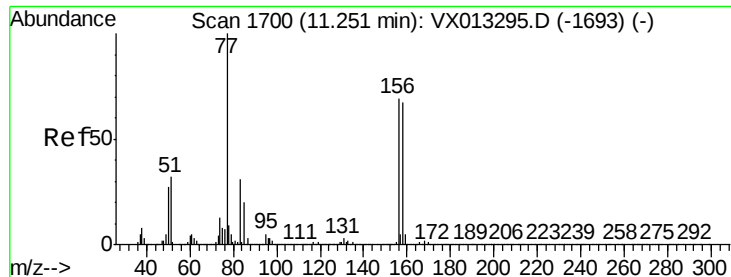
Tgt Ion: 75 Resp: 198628

Ion Ratio Lower Upper

75 100

77 37.9 22.3 66.8





#77

Bromobenzene

Concen: 19.914 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

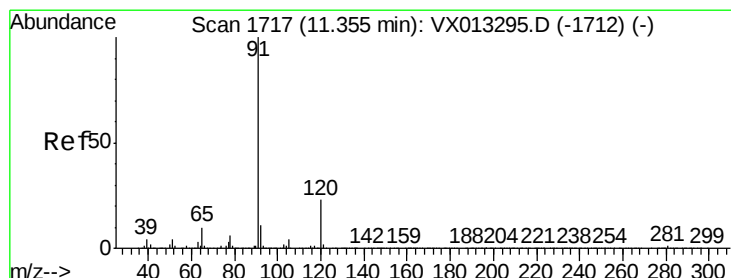
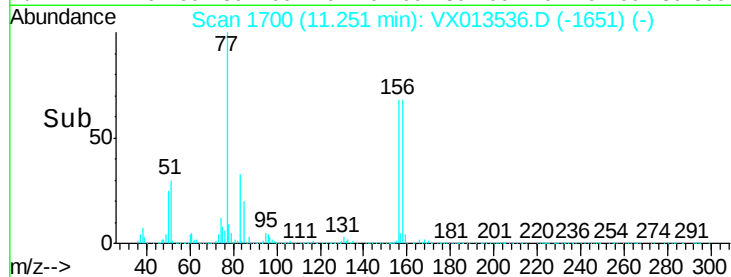
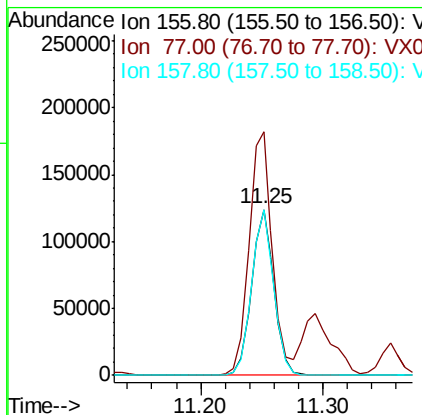
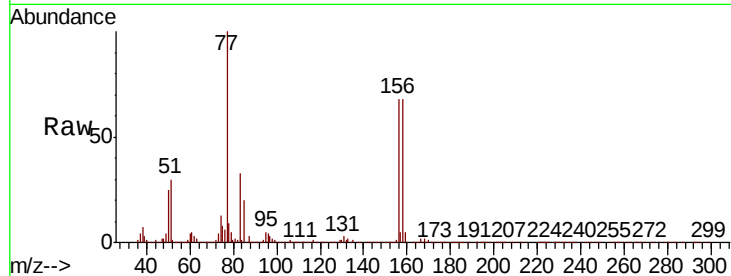
ClientSampleId :

VX1122WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	151.9		75.8	227.4	
158	98.5		47.6	142.8	

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#78

n-propylbenzene

Concen: 20.019 ug/l

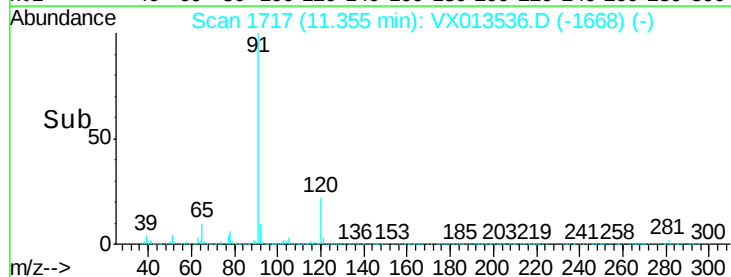
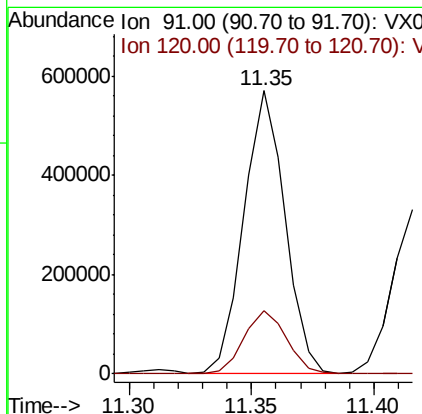
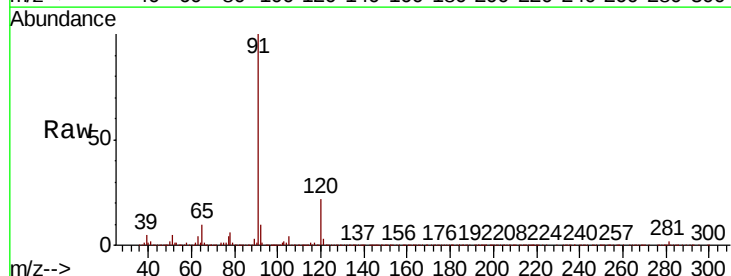
RT: 11.35 min Scan# 1717

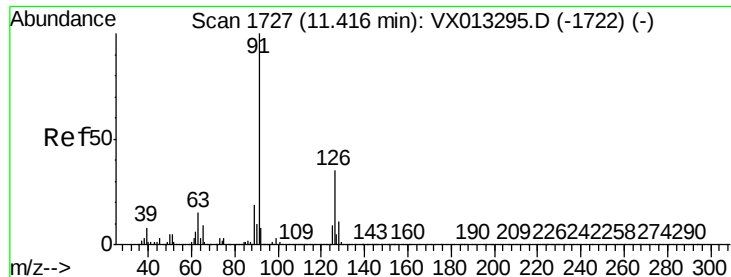
Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.3		11.6	34.8	





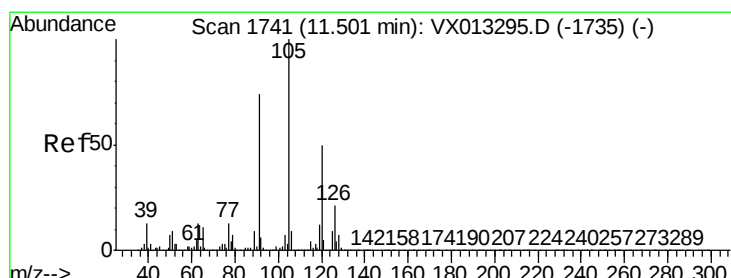
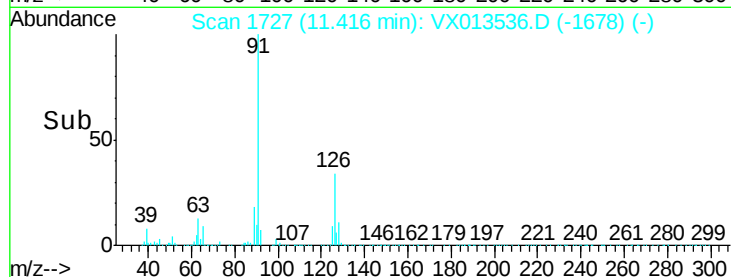
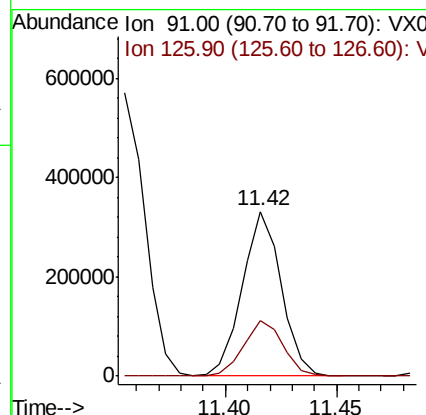
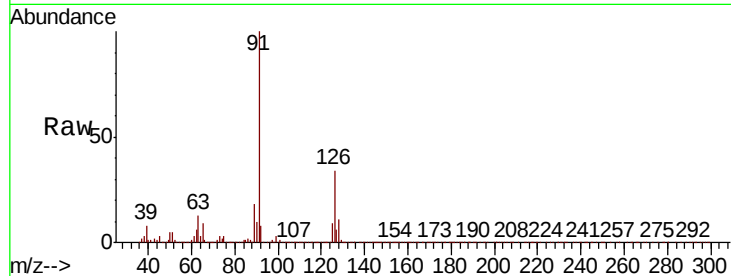
#79
 2-Chlorotoluene
 Concen: 20.198 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBSD02

Tot Ion: 91 Resp: 402487
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.3 52.0

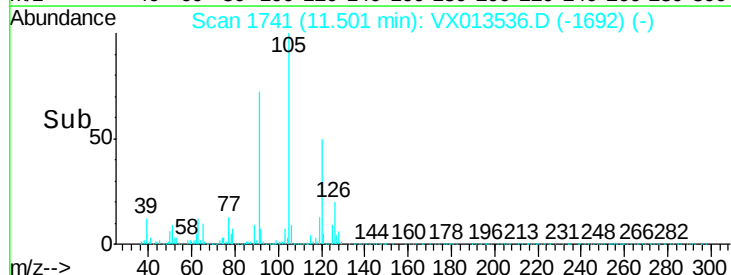
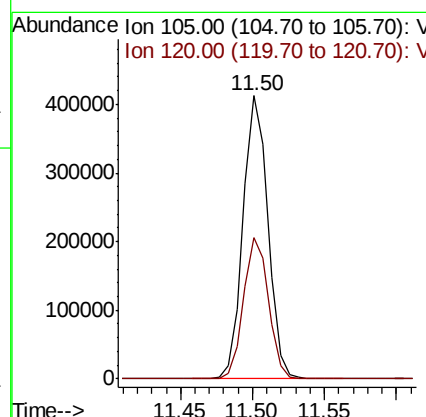
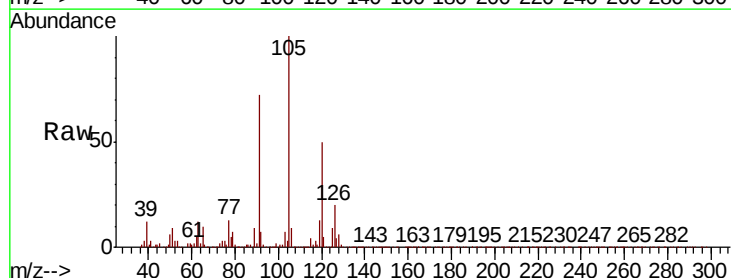
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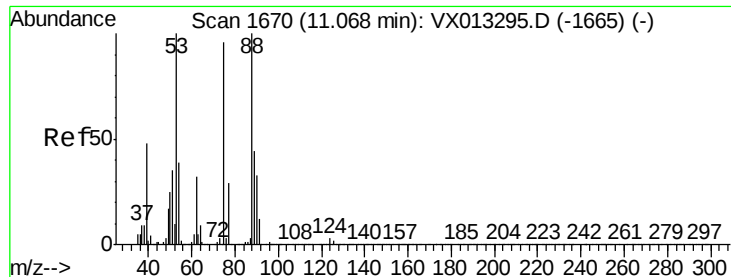
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.001 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Tgt Ion: 105 Resp: 494633
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.485 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

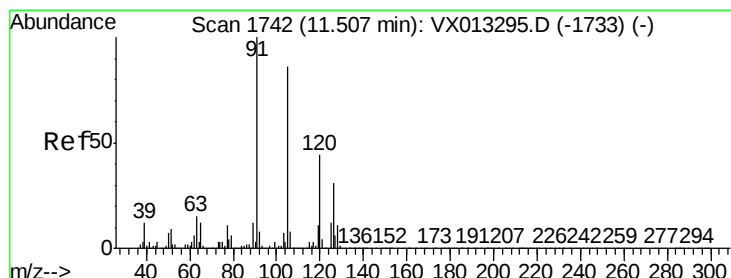
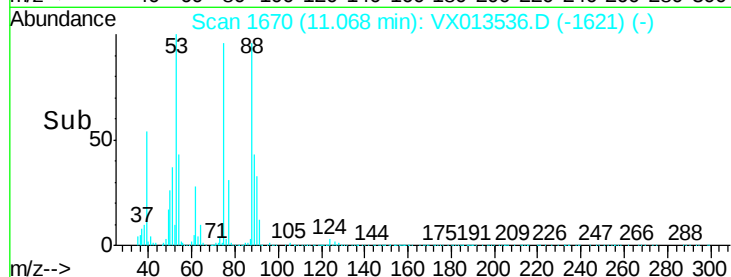
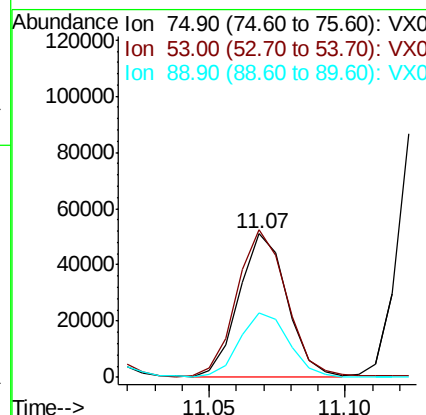
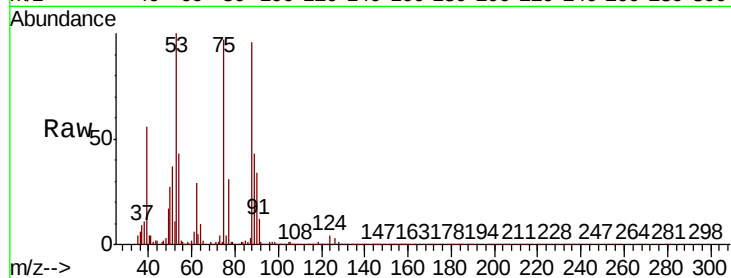
ClientSampleId :

VX1122WBSD02

Tot Ion:	75	Resp:	61786
Ion	Ratio	Lower	Upper
75	100		
53	108.1	81.0	121.6
89	47.4	36.0	54.0

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#82

4-Chlorotoluene

Concen: 19.145 ug/l

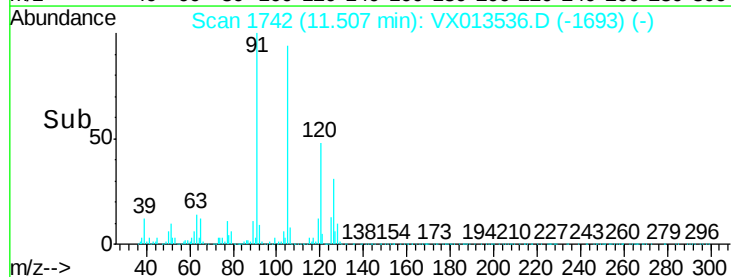
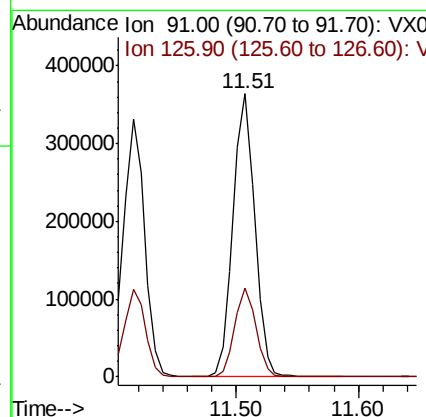
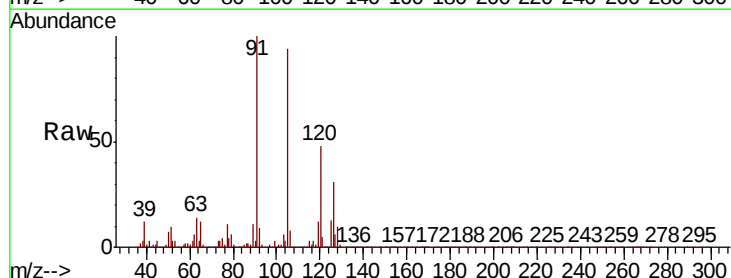
RT: 11.51 min Scan# 1742

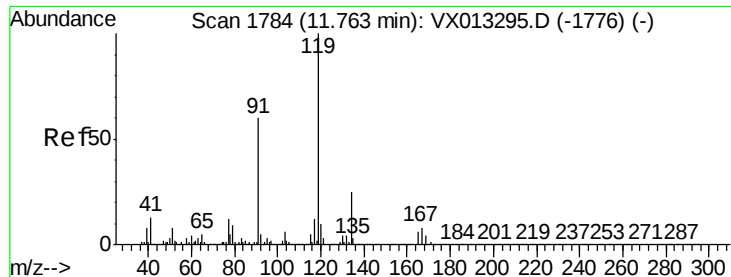
Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Tgt Ion:	91	Resp:	446567
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.8





#83

tert-Butylbenzene

Concen: 19.018 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

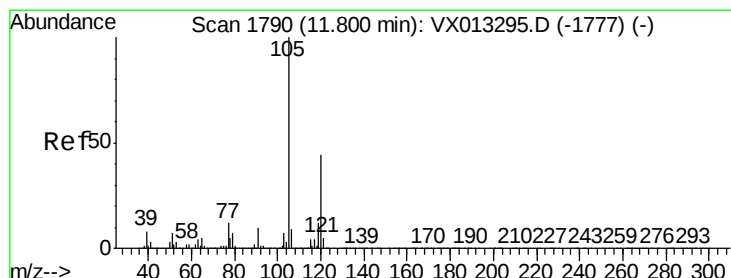
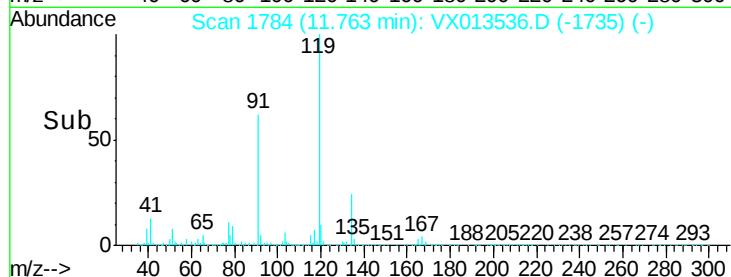
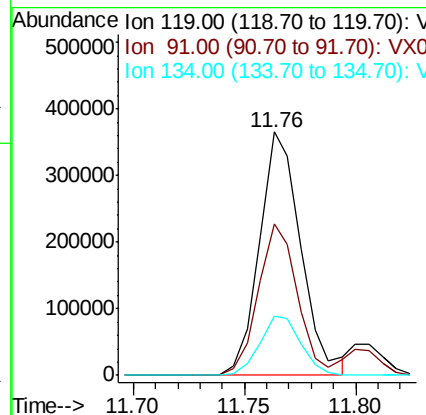
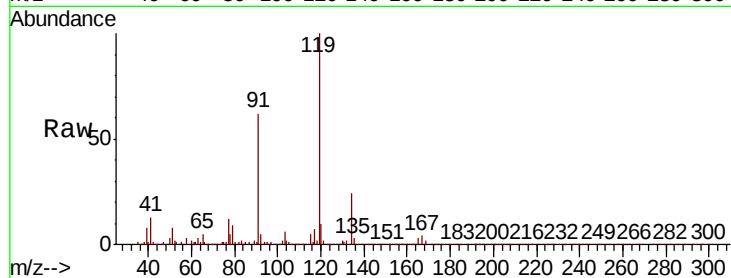
ClientSampleId :

VX1122WBSD02

Tot Ion:	119	Resp:	473441
Ion Ratio	Lower	Upper	
119	100		
91	58.6	26.9	80.7
134	24.3	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 19.978 ug/l

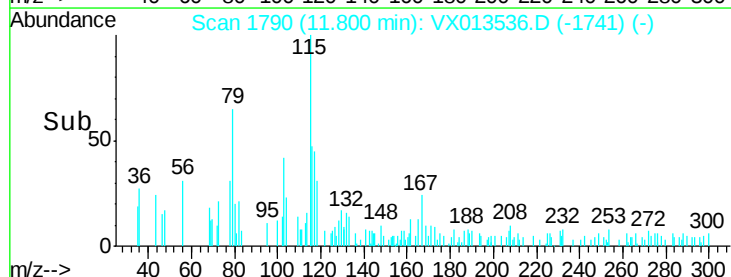
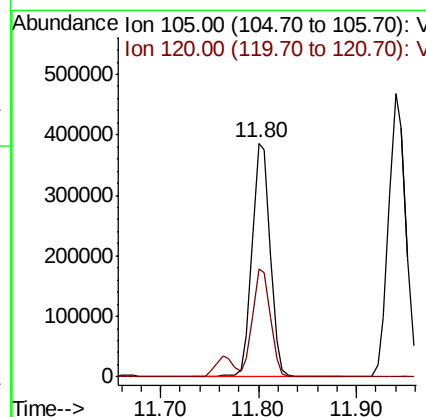
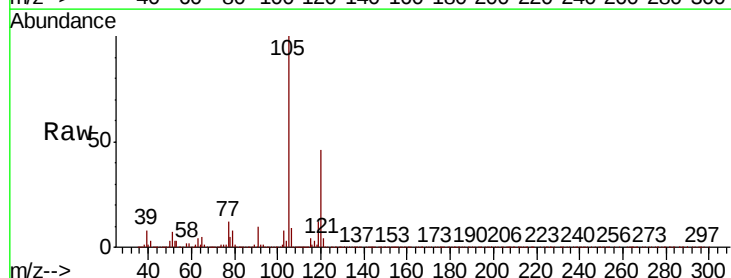
RT: 11.80 min Scan# 1790

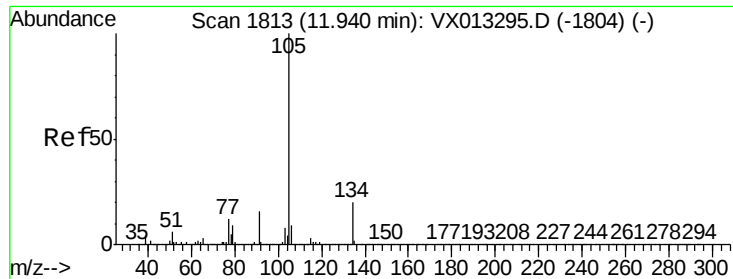
Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Tgt Ion:	105	Resp:	495626
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.7	68.1





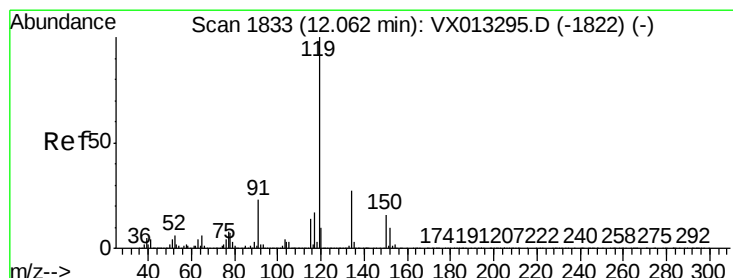
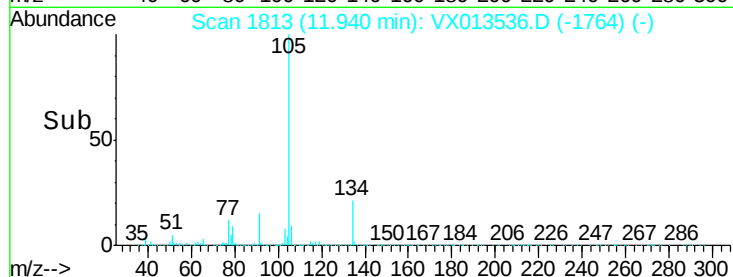
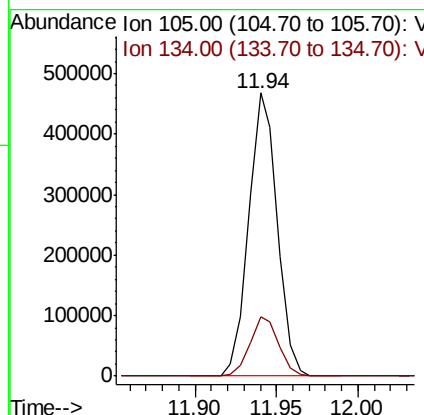
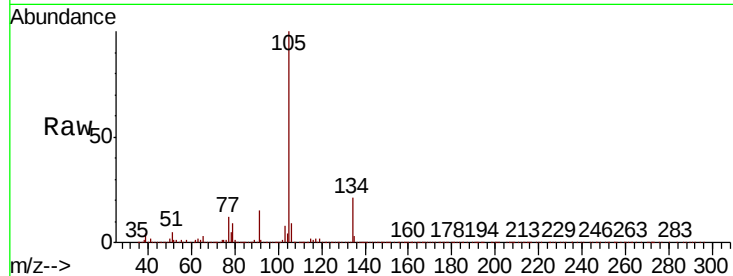
#85
 sec-Butylbenzene
 Concen: 19.902 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.3	30.9

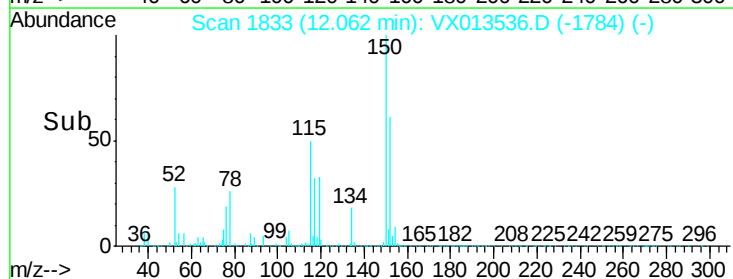
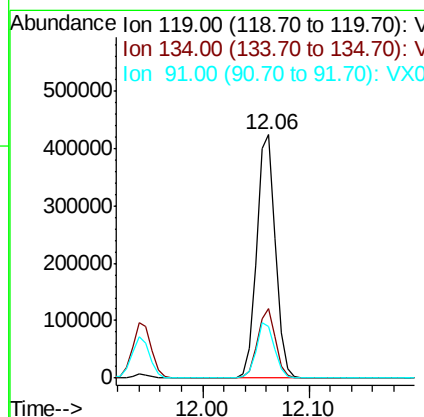
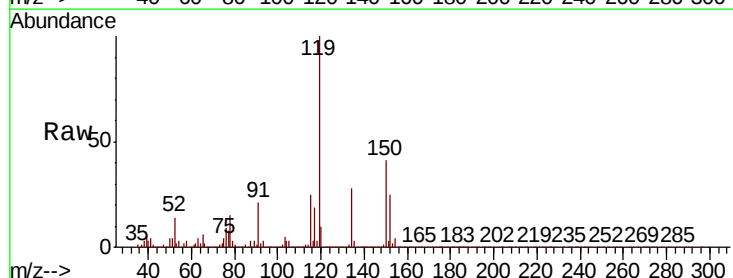
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#86
 p-Isopropyltoluene
 Concen: 19.788 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.3	39.8
91	22.3	11.5	34.4





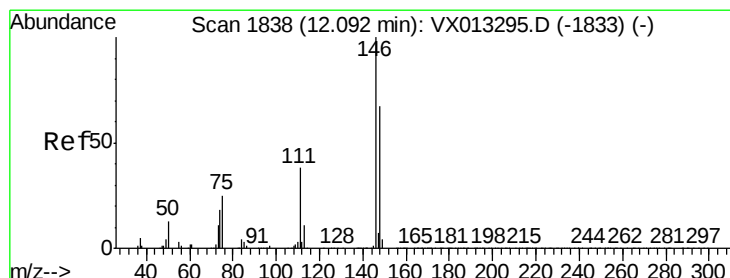
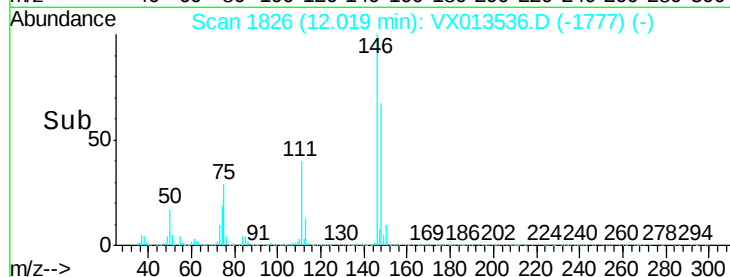
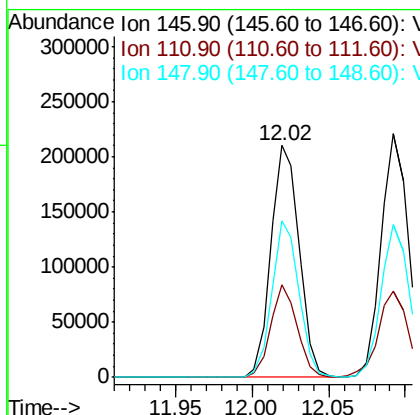
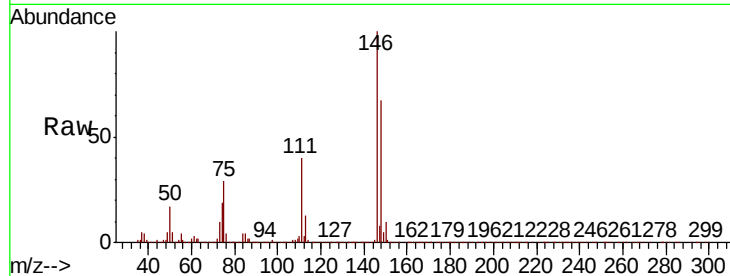
#87
 1,3-Dichlorobenzene
 Concen: 19.125 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	269835		
111	37.6	18.9	56.5	
148	64.8	31.9	95.7	

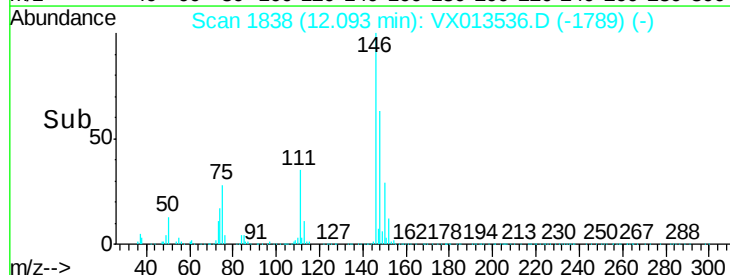
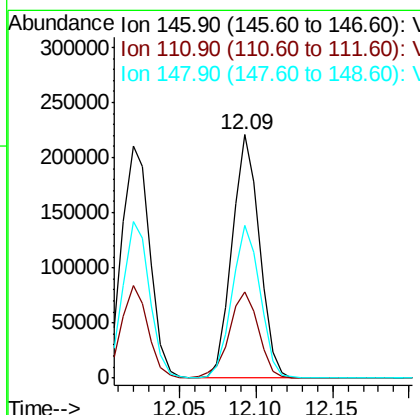
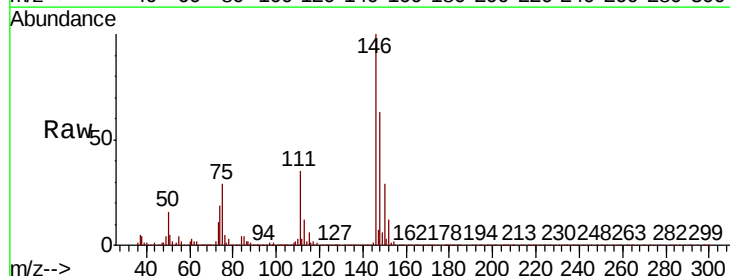
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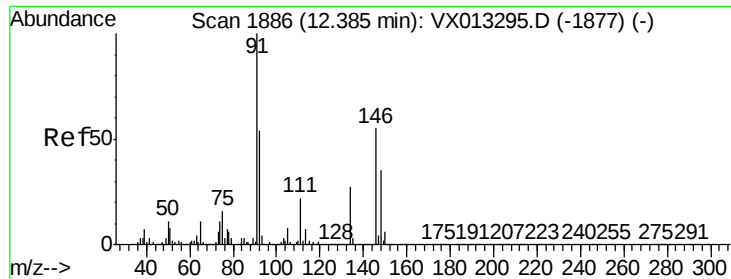
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#88
 1,4-Dichlorobenzene
 Concen: 19.065 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	274059		
111	37.7	18.8	56.4	
148	63.8	32.4	97.0	





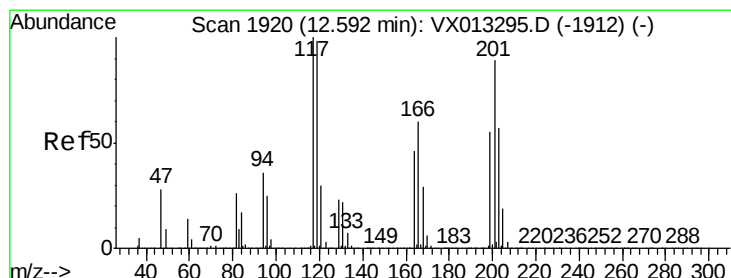
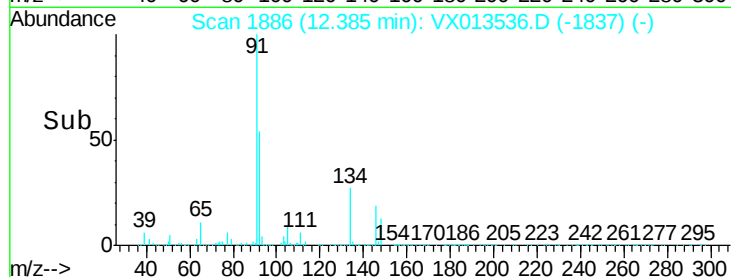
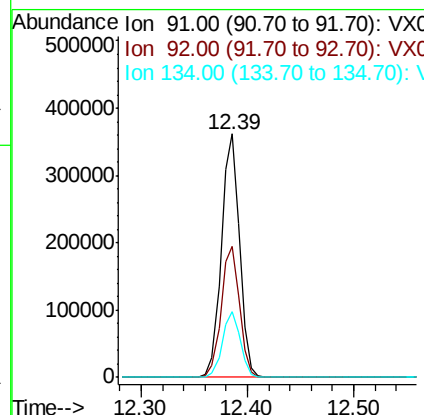
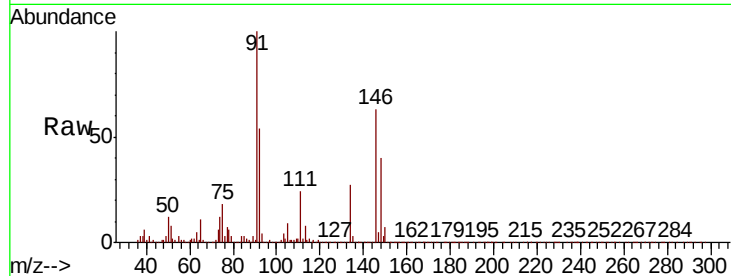
#89
n-Butylbenzene
Concen: 18.556 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.8
134	26.8	13.5	40.5

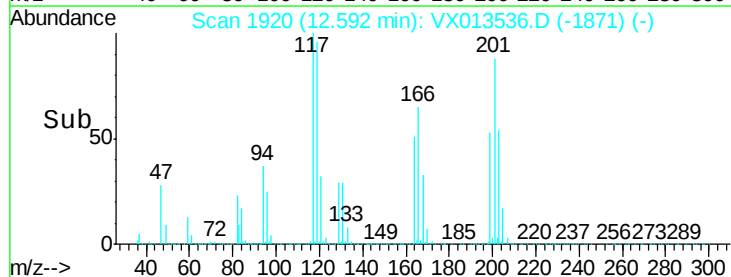
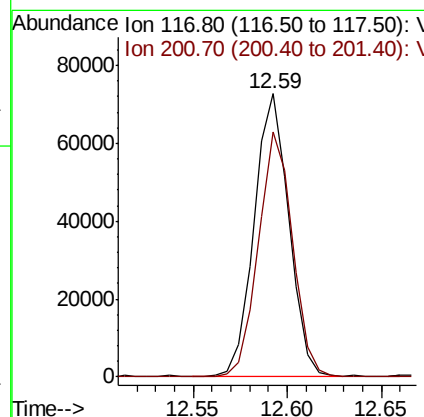
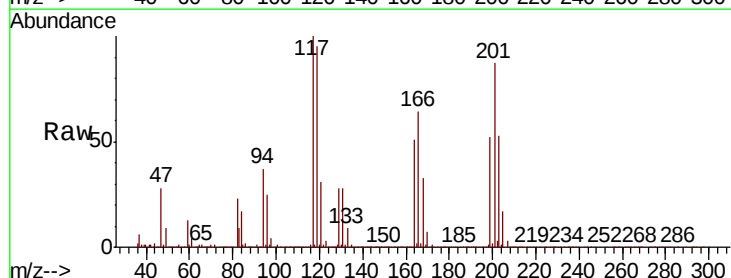
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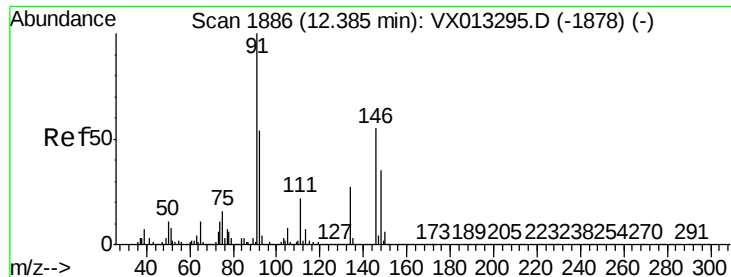
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#90
Hexachloroethane
Concen: 19.778 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013536.D
Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	43.9	131.7





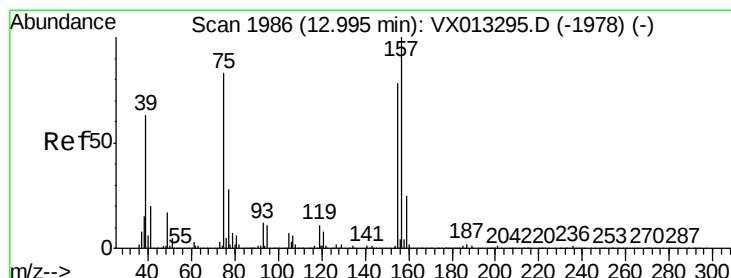
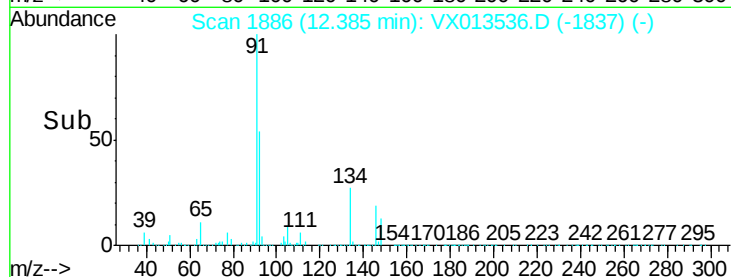
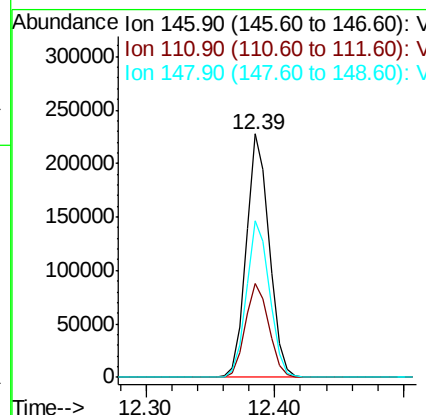
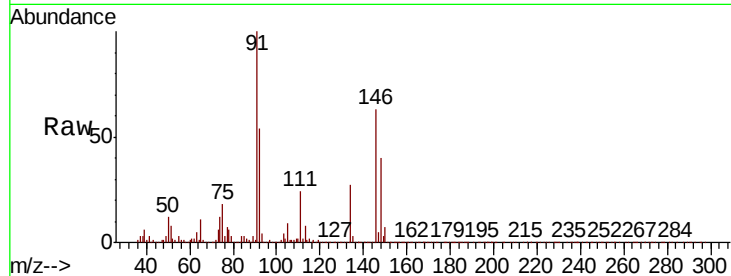
#91
 1,2-Dichlorobenzene
 Concen: 19.597 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	276375		
111	39.5	20.1	60.2	
148	65.1	32.0	96.0	

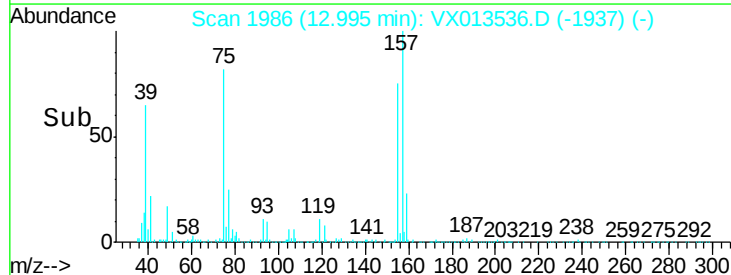
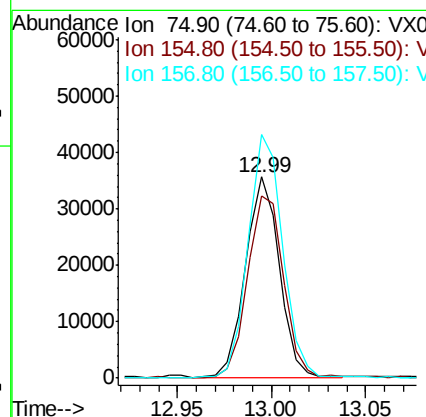
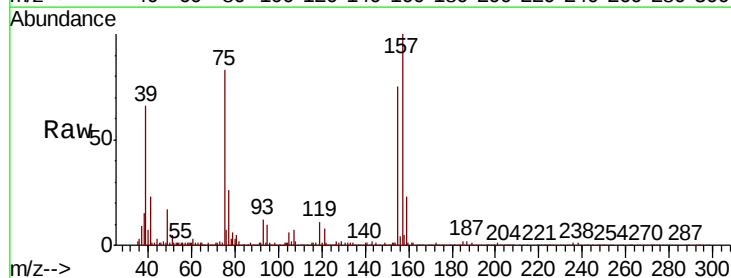
Manual Integrations
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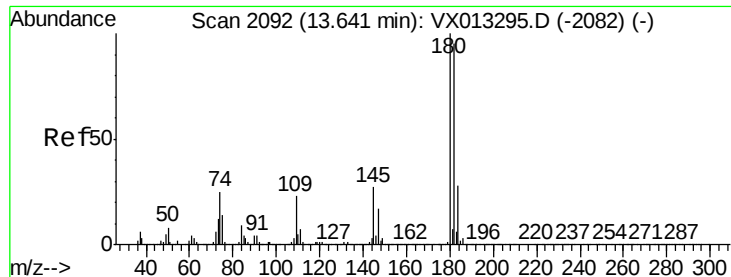
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.716 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44112		
155	96.3	47.1	141.4	
157	125.7	61.3	183.8	





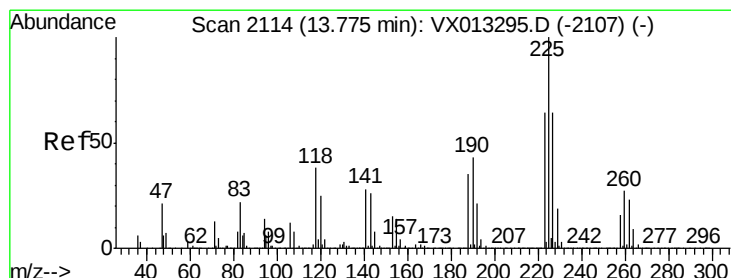
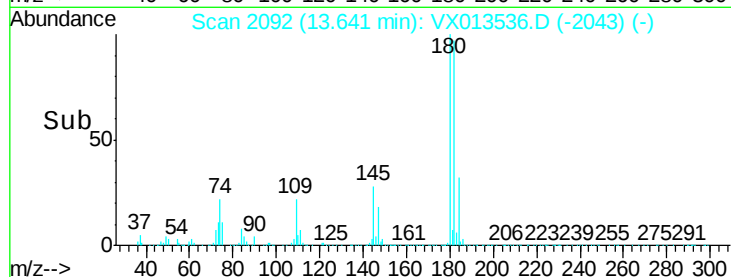
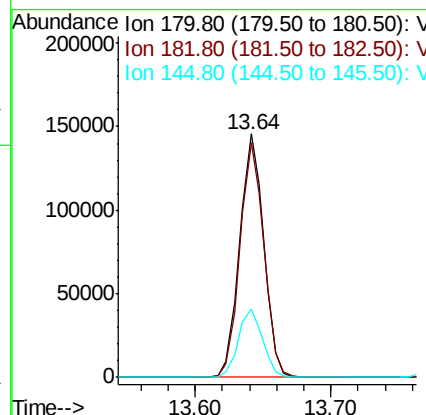
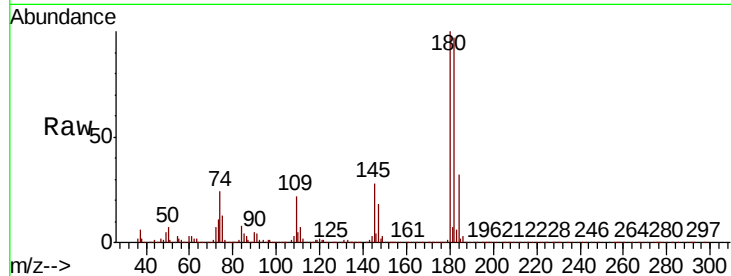
#93
 1,2,4-Trichlorobenzene
 Concen: 18.099 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	178047		
182	96.3	48.4	145.0	
145	28.3	14.1	42.4	

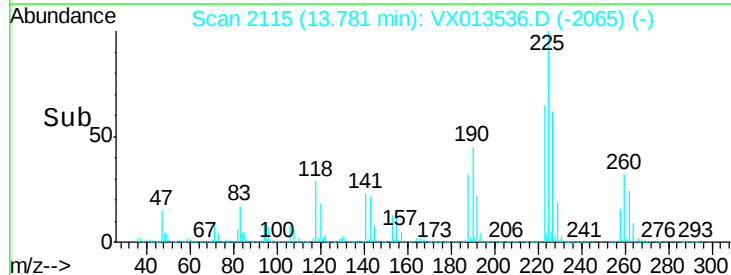
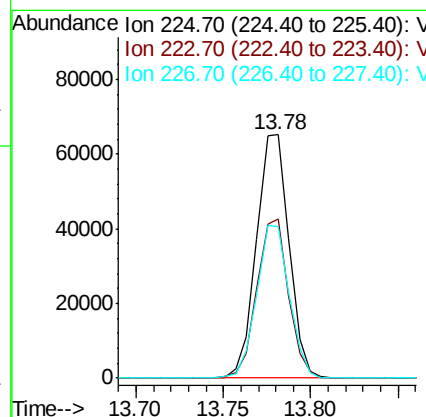
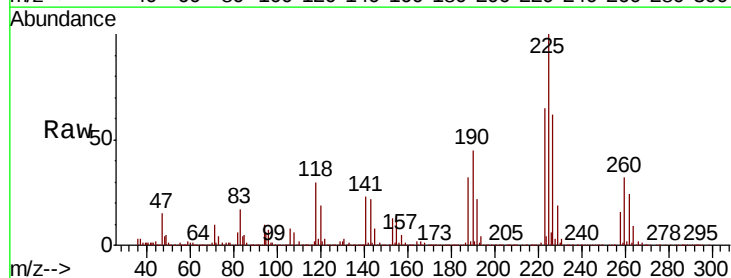
Manual Integrations
 APPROVED

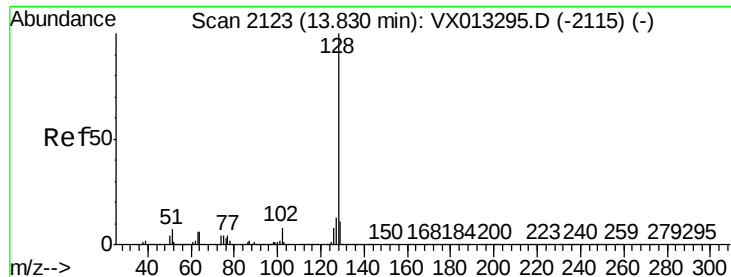
MMDadoda
 11/25/2019 10:40:21 AM



#94
 Hexachlorobutadiene
 Concen: 17.634 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX013536.D
 Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	84869		
223	63.5	31.9	95.7	
227	62.9	31.9	95.9	





#95

Naphthalene

Concen: 18.435 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Instrument :

MSVOA_X

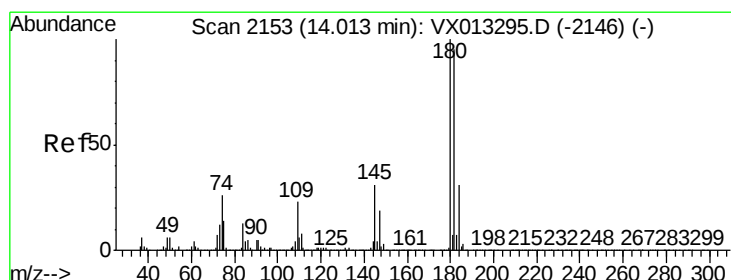
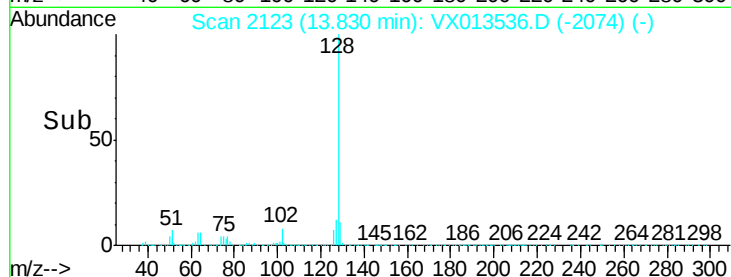
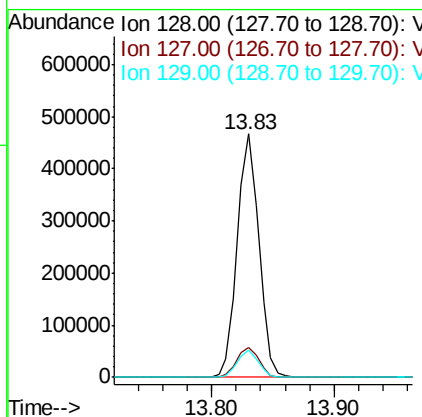
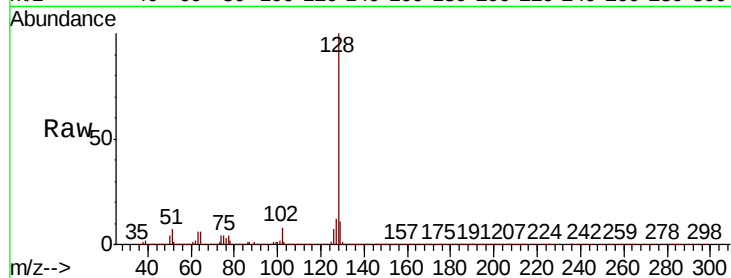
ClientSampleId :

VX1122WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	569010		
127	12.8	10.2	15.2	
129	11.0	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:40:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.755 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX013536.D

Acq: 22 Nov 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	185037		
182	93.9	48.0	144.2	
145	30.1	15.4	46.4	

