

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112119\
 Data File : VX013516.D
 Acq On : 21 Nov 2019 20:16
 Operator : JC/SP
 Sample : K5962-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MS

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 8:43:56 AM

Quant Time: Nov 22 06:04:33 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	632516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1003415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	903638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	442119	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	360694	48.13	ug/l	0.00
Spiked Amount						
			Recovery	=	96.26%	
35) Dibromofluoromethane	5.49	113	298172	47.38	ug/l	0.00
Spiked Amount						
			Recovery	=	94.76%	
50) Toluene-d8	8.71	98	1112492	46.89	ug/l	0.00
Spiked Amount						
			Recovery	=	93.78%	
62) 4-Bromofluorobenzene	11.14	95	402807	47.04	ug/l	0.00
Spiked Amount						
			Recovery	=	94.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	400816	54.998	ug/l	99
3) Chloromethane	1.31	50	339813	42.997	ug/l	98
4) Vinyl Chloride	1.40	62	1892140	210.296	ug/l	100
5) Bromomethane	1.62	94	251230	40.068	ug/l	99
6) Chloroethane	1.71	64	231151	44.819	ug/l	99
7) Trichlorofluoromethane	1.92	101	456175	42.914	ug/l	100
8) Diethyl Ether	2.18	74	220961	47.006	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	338826	57.188	ug/l	99
10) Methyl Iodide	2.50	142	297811	40.599	ug/l	97
11) Tert butyl alcohol	3.04	59	448640	227.154	ug/l	99
12) 1,1-Dichloroethene	2.36	96	412870	71.160	ug/l	98
13) Acrolein	2.28	56	214961	200.819	ug/l	97
14) Allyl chloride	2.72	41	511734	48.543	ug/l	96
15) Acrylonitrile	3.13	53	966042	261.849	ug/l	99
16) Acetone	2.43	43	832944	222.854	ug/l	100
17) Carbon Disulfide	2.56	76	653911	42.108	ug/l	100
18) Methyl Acetate	2.76	43	534801	51.828	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1027231	53.083	ug/l	98
20) Methylene Chloride	2.84	84	331404	47.990	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	471803	74.685	ug/l	98
22) Diisopropyl ether	3.84	45	1082332	53.179	ug/l	98
23) Vinyl Acetate	3.80	43	4227552	242.747	ug/l	100
24) 1,1-Dichloroethane	3.69	63	576583	50.643	ug/l	99
25) 2-Butanone	4.66	43	1325974	241.827	ug/l	100
26) 2,2-Dichloropropane	4.58	77	409958	45.263	ug/l #	1
27) cis-1,2-Dichloroethene	4.59	96	21174958	2992.222	ug/l	85
28) Bromochloromethane	5.01	49	155415	48.077	ug/l	95
29) Tetrahydrofuran	5.11	42	885488	262.060	ug/l	100
30) Chloroform	5.20	83	569722	50.677	ug/l	96
31) Cyclohexane	5.57	56	471274	46.001	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	475831	49.181	ug/l	99
36) 1,1-Dichloropropene	5.79	75	407495	47.339	ug/l	99
37) Ethyl Acetate	4.82	43	485706	45.663	ug/l #	81
38) Carbon Tetrachloride	5.78	117	400910	47.627	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	458727	42.768	ug/l	99
40) Benzene	6.14	78	1298766	48.436	ug/l	98
41) Methacrylonitrile	5.03	41	292888	49.127	ug/l	99
42) 1,2-Dichloroethane	6.19	62	465872	48.168	ug/l	99
43) Isopropyl Acetate	6.44	43	822855	49.680	ug/l	99
44) Trichloroethene	7.21	130	21528972	2916.843	ug/l	92
45) 1,2-Dichloropropane	7.51	63	340272	49.805	ug/l	98
46) Dibromomethane	7.65	93	221813	47.551	ug/l	97
47) Bromodichloromethane	7.89	83	445524	50.649	ug/l	99
48) Methyl methacrylate	7.76	41	424170	51.303	ug/l	97
49) 1,4-Dioxane	7.73	88	164130	866.827	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2705472	248.965	ug/l	99
52) Toluene	8.78	92	806169	48.509	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	488906	50.829	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	539106	50.105	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	347269	50.413	ug/l	99
56) Ethyl methacrylate	9.17	69	559929	47.688	ug/l	98
57) 1,3-Dichloropropane	9.37	76	586245	50.135	ug/l	100
59) 2-Hexanone	9.48	43	2069077	246.387	ug/l	98
60) Dibromochloromethane	9.58	129	369609	52.464	ug/l	99
61) 1,2-Dibromoethane	9.67	107	364766	49.868	ug/l	99
64) Tetrachloroethene	9.33	164	297360	45.968	ug/l	99
65) Chlorobenzene	10.14	112	896086	48.981	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	341915	50.901	ug/l	100
67) Ethyl Benzene	10.25	91	1547912	49.024	ug/l	100
68) m/p-Xylenes	10.36	106	1171996	98.147	ug/l	99
69) o-Xylene	10.70	106	579997	49.611	ug/l	98
70) Stvrene	10.71	104	997055	51.020	ug/l	98
71) Bromoform	10.85	173	287902	46.467	ug/l	100
73) Isopropylbenzene	11.01	105	1517218	51.759	ug/l	100
74) N-amyl acetate	10.89	43	710163	52.244	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	565623	52.892	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	443439m	49.381	ug/l	
77) Bromobenzene	11.25	156	402502	51.507	ug/l	99
78) n-propylbenzene	11.35	91	1682490	51.526	ug/l	100
79) 2-Chlorotoluene	11.42	91	1007100	51.191	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1257939	51.520	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	176945	50.718	ug/l	97
82) 4-Chlorotoluene	11.51	91	1143912	49.671	ug/l	99
83) tert-Butylbenzene	11.76	119	1306711	53.165	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1262976	51.565	ug/l	98
85) sec-Butylbenzene	11.94	105	1446894	51.221	ug/l	100
86) p-Isopropyltoluene	12.06	119	1329147	51.099	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	685013	49.177	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	694372	48.927	ug/l	99
89) n-Butylbenzene	12.39	91	1095932	48.286	ug/l	100
90) Hexachloroethane	12.59	117	243892	52.626	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	704522	50.598	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	123164	47.273	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	459896	47.351	ug/l	97

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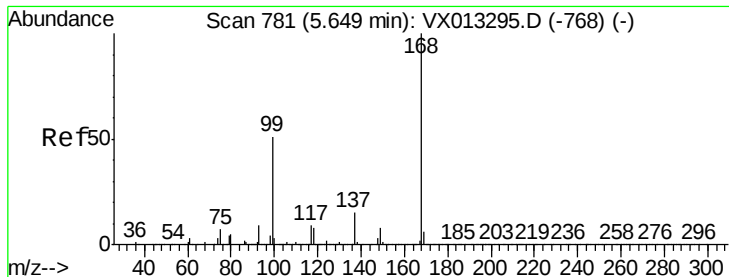
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	209292	44.046	ug/l	99
95) Naphthalene	13.83	128	1504264	49.364	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	476103	48.879	ug/l	98

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



#1

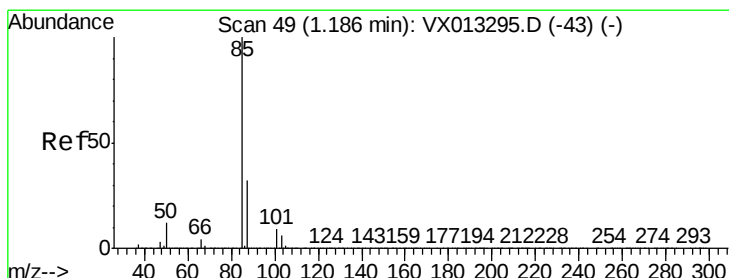
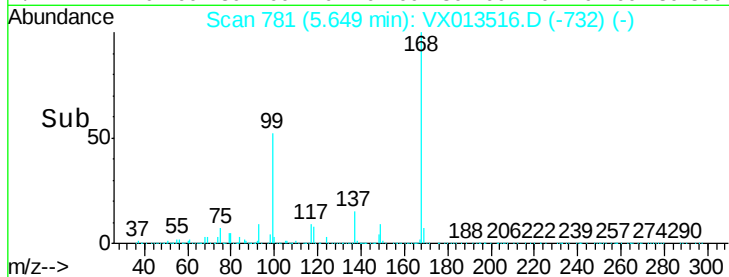
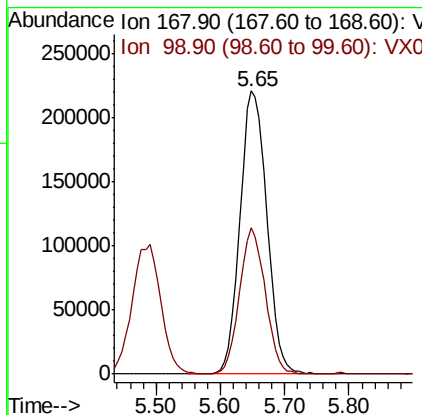
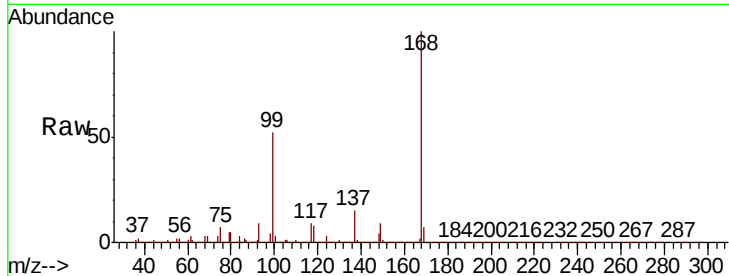
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
168	100		
99	51.5	40.8	61.2

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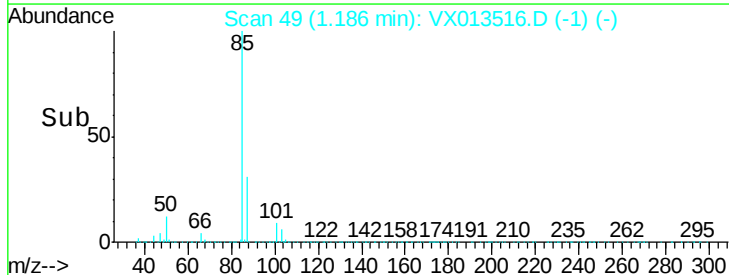
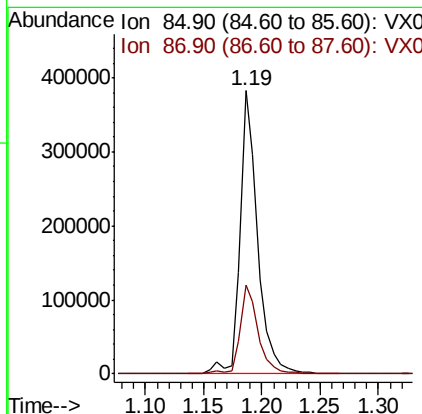
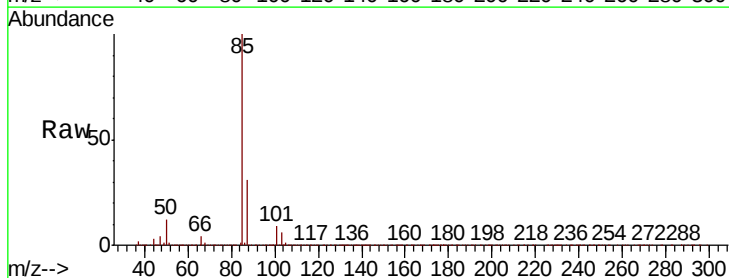
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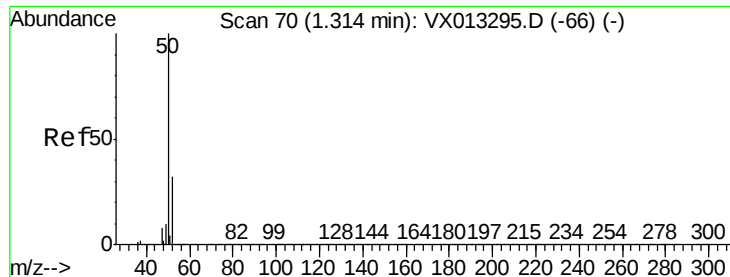


#2

Dichlorodifluoromethane
 Concen: 54.998 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.2	15.9	47.6





#3

Chloromethane

Concen: 42.997 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MS

Tot Ion: 50 Resp: 339813

Ion Ratio Lower Upper

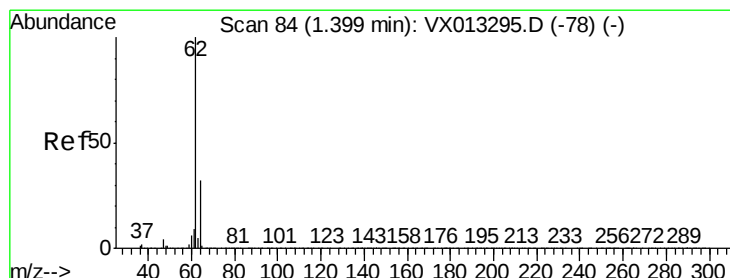
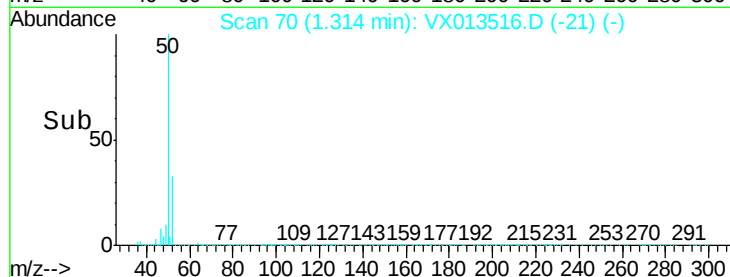
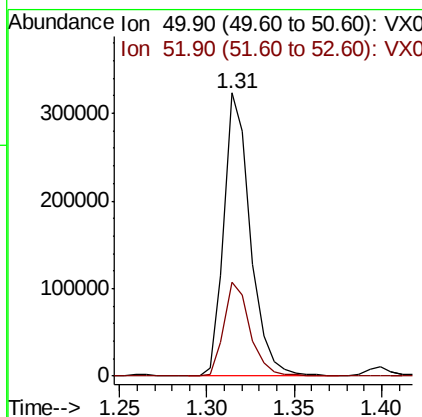
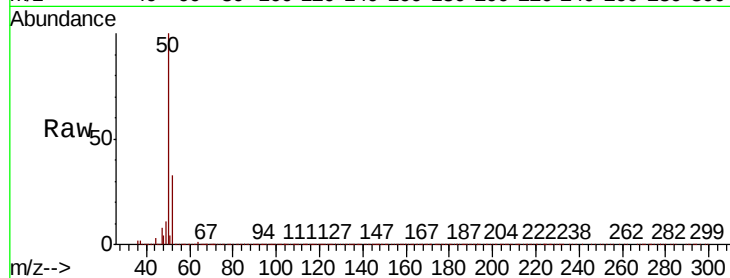
50 100

52 33.0 25.5 38.3

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#4

Vinyl Chloride

Concen: 210.296 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013516.D

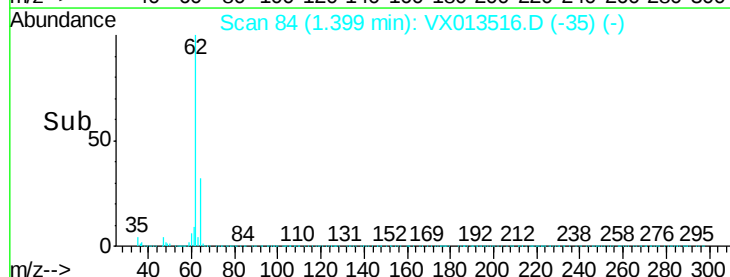
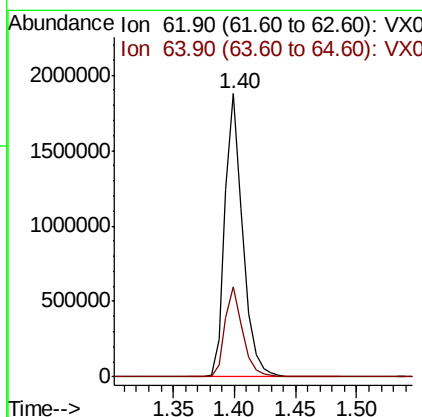
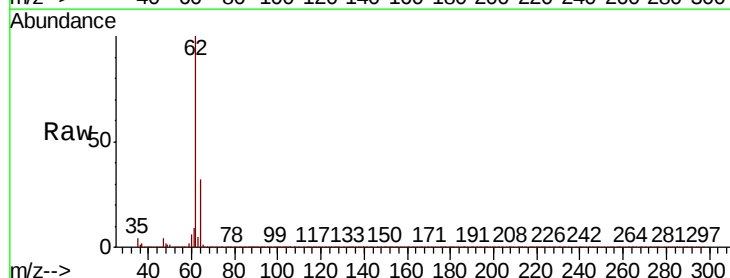
Acq: 21 Nov 2019 20:16

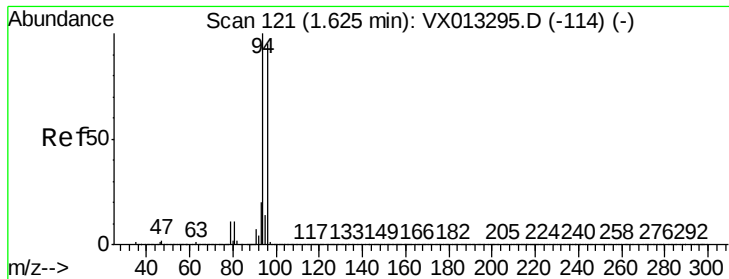
Tgt Ion: 62 Resp: 1892140

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 40.068 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

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Tot Ion: 94 Resp: 251230

Ion Ratio Lower Upper

94 100

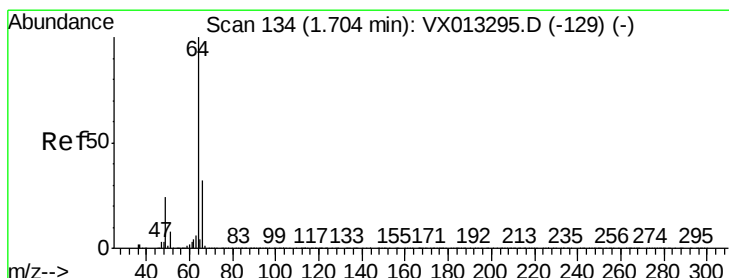
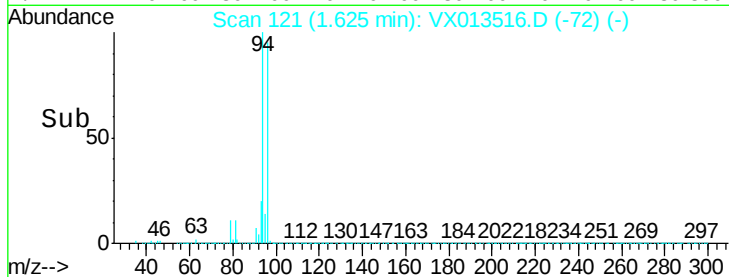
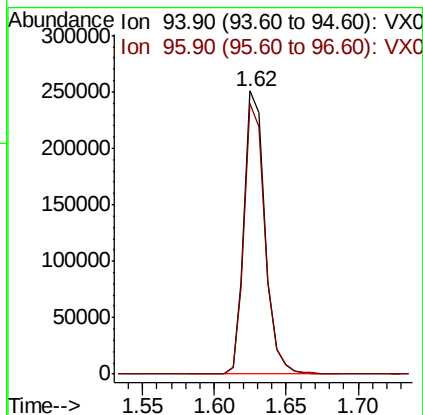
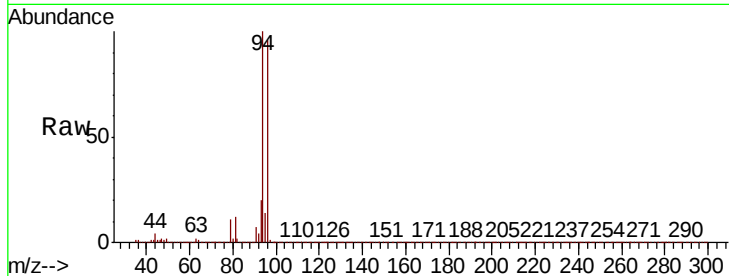
96 95.5 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 44.819 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013516.D

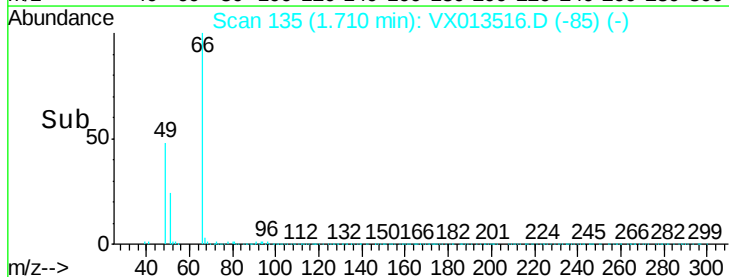
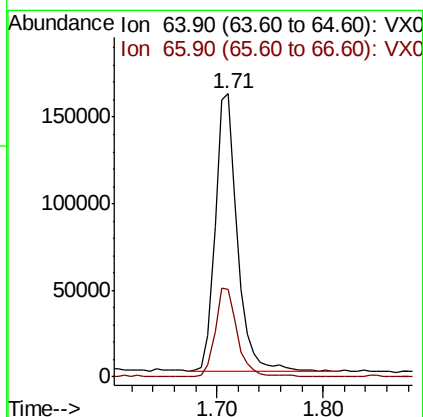
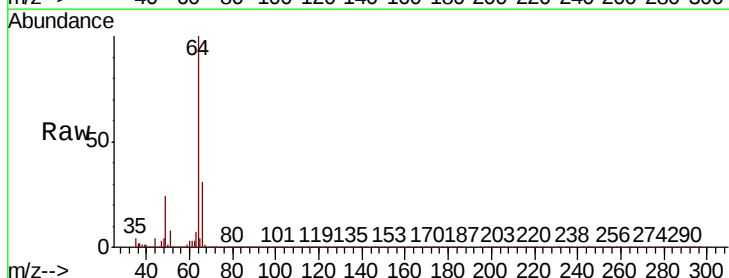
Acq: 21 Nov 2019 20:16

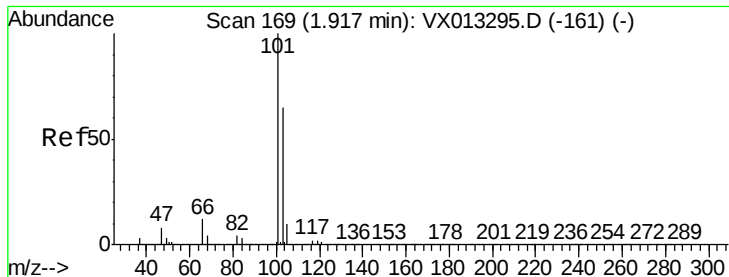
Tgt Ion: 64 Resp: 231151

Ion Ratio Lower Upper

64 100

66 31.3 25.6 38.4





#7

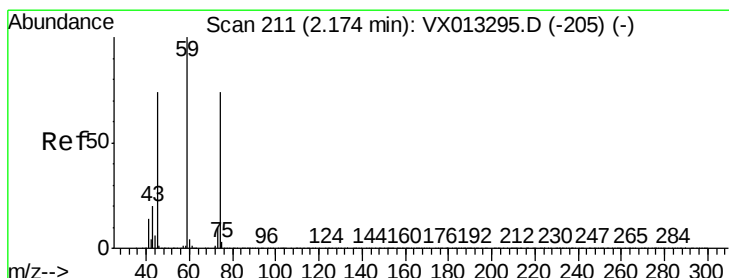
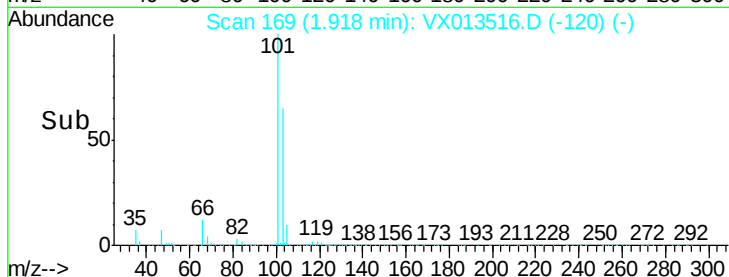
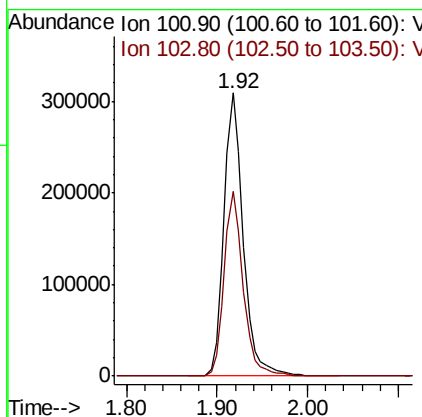
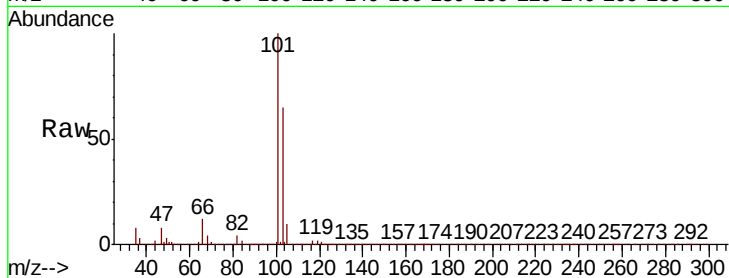
Trichlorofluoromethane
Concen: 42.914 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.3	78.5

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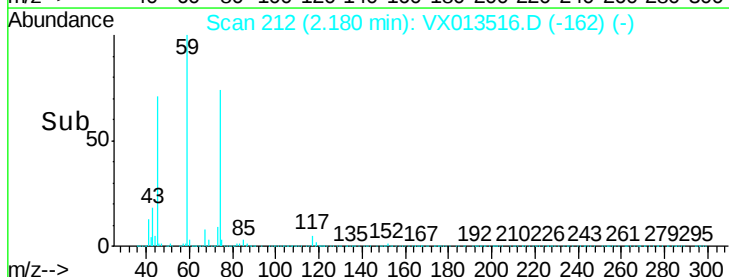
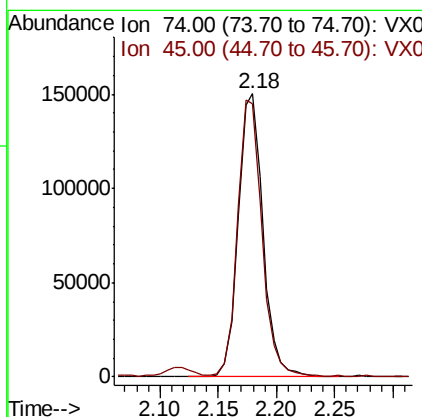
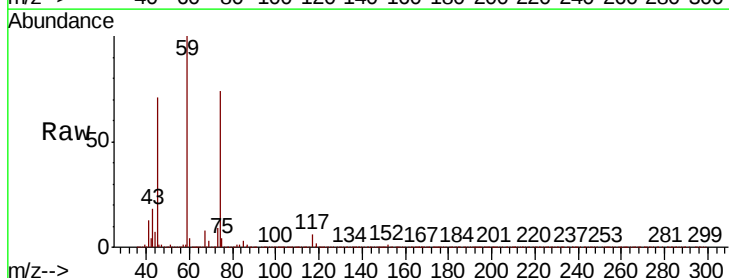
MMDadoda
11/22/2019 8:43:56 AM

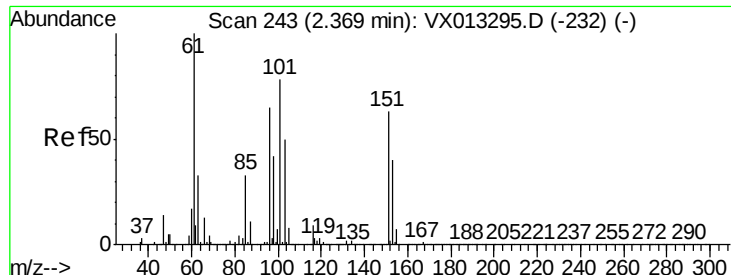


#8

Diethyl Ether
Concen: 47.006 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.188 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

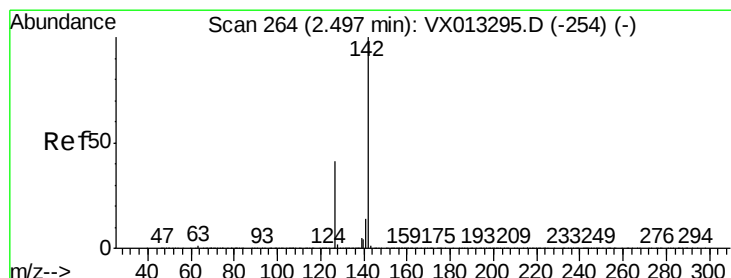
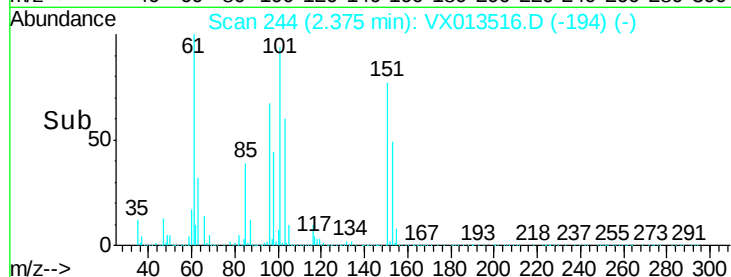
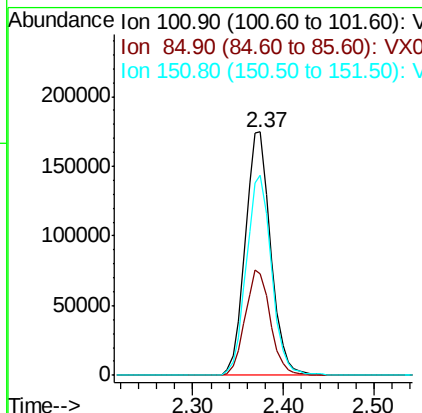
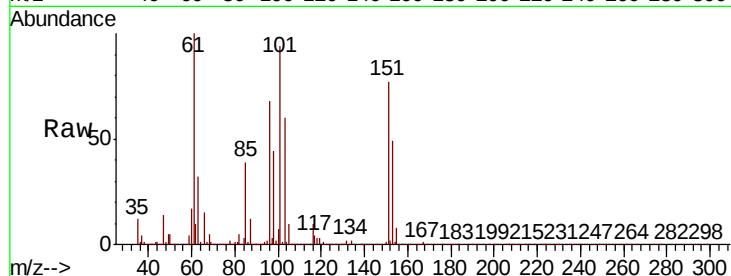
ClientSampleId :

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Tot Ion:	101	Resp:	338826
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.4	51.6
151	81.6	66.4	99.6

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#10

Methyl Iodide

Concen: 40.599 ug/l

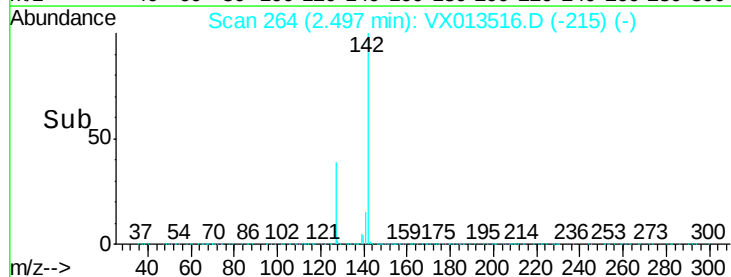
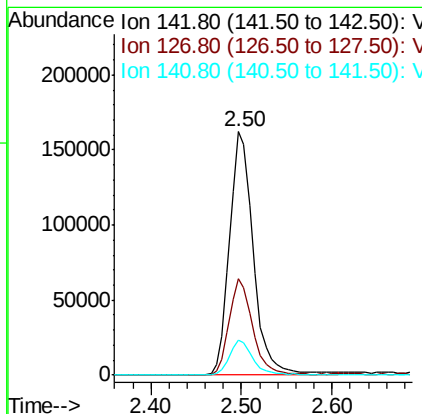
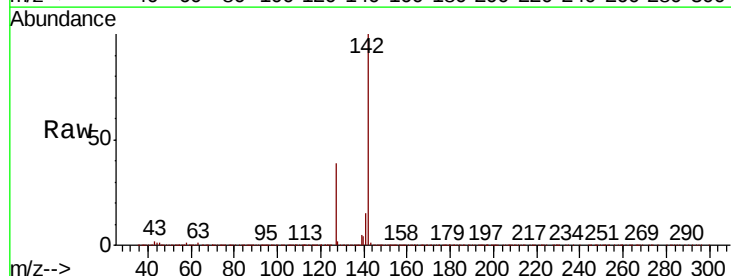
RT: 2.50 min Scan# 264

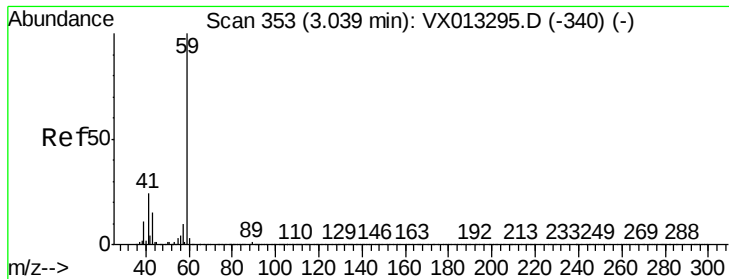
Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Tgt Ion:	142	Resp:	297811
Ion Ratio	Lower	Upper	
142	100		
127	38.7	32.6	49.0
141	14.4	11.6	17.4





#11

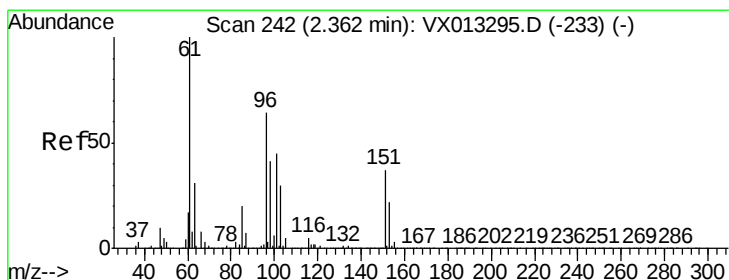
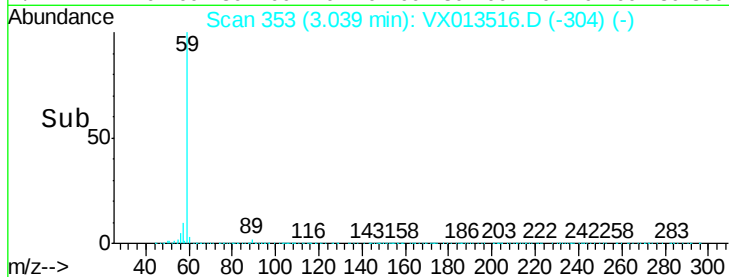
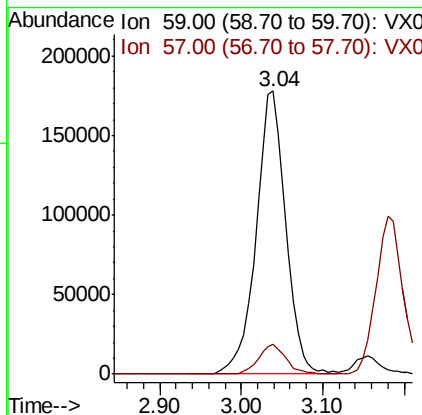
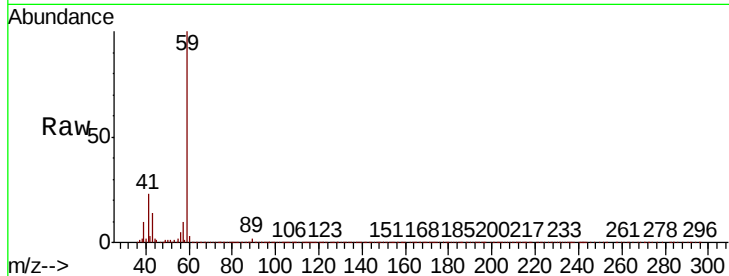
Tert butyl alcohol
Concen: 227.154 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.0	12.0

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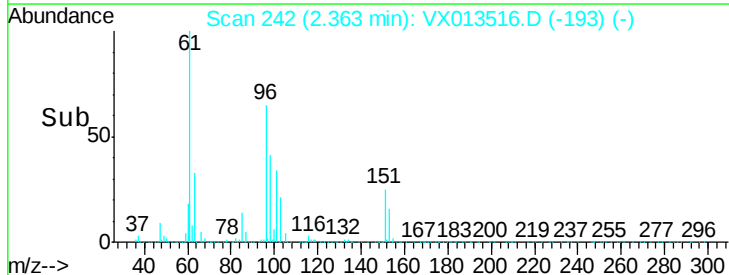
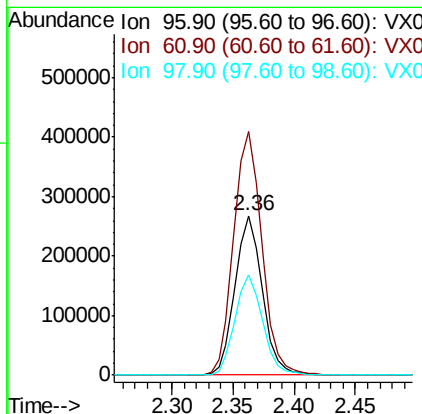
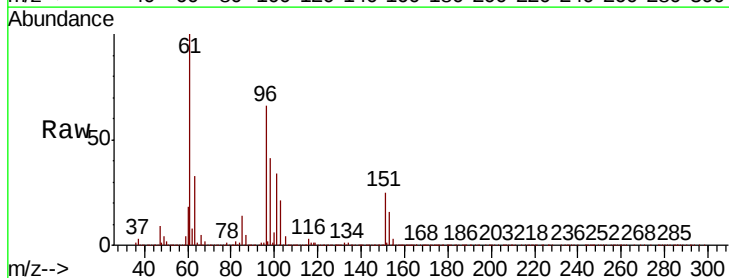
MMDadoda
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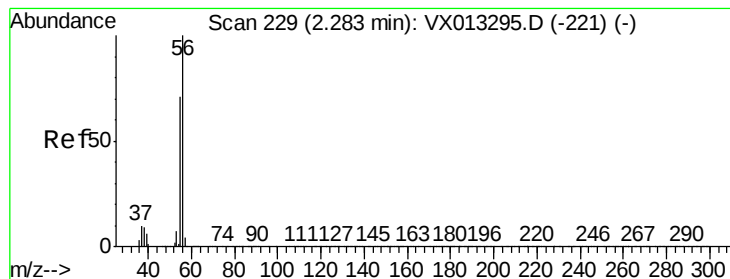


#12

1,1-Dichloroethene
Concen: 71.160 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.6	125.0	187.6
98	62.6	50.7	76.1





#13

Acrolein

Concen: 200.819 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MS

Tot Ion: 56 Resp: 214961

Ion Ratio Lower Upper

56 100

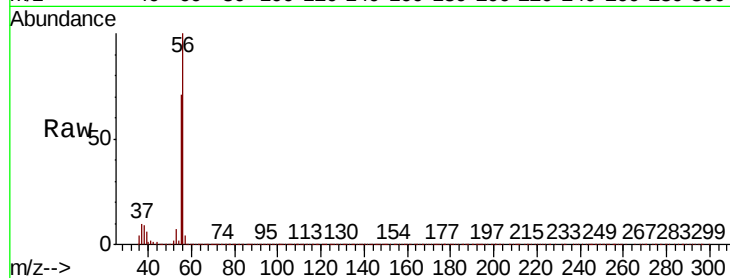
55 69.5 57.4 86.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

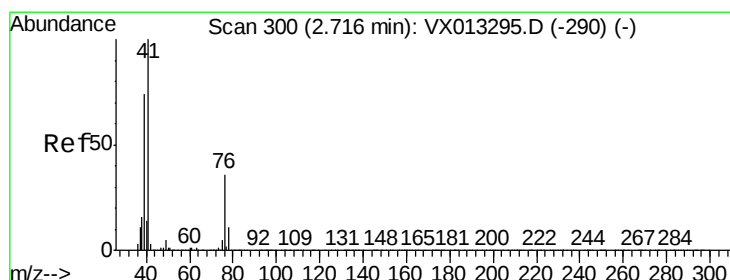
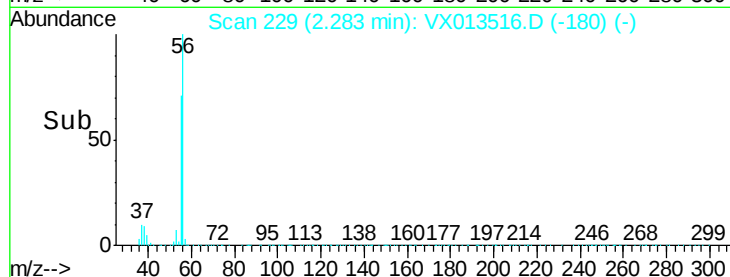
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 48.543 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

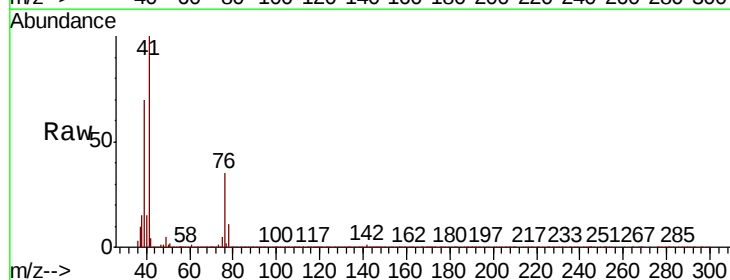
Tgt Ion: 41 Resp: 511734

Ion Ratio Lower Upper

41 100

39 65.1 55.8 83.8

76 32.3 26.4 39.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.72

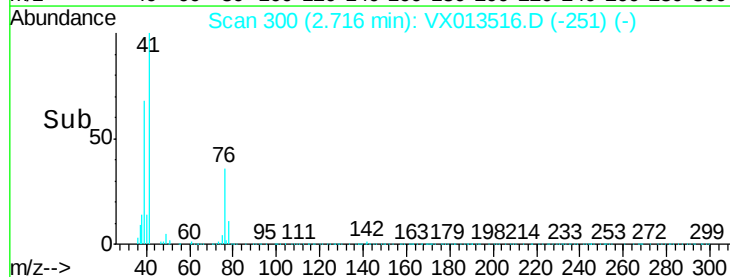
300000

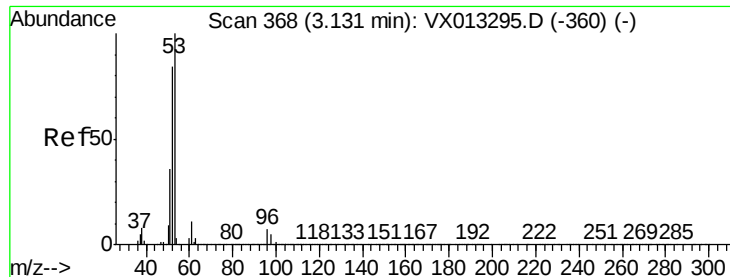
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 261.849 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

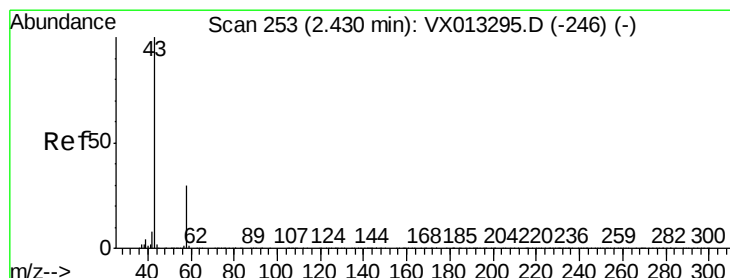
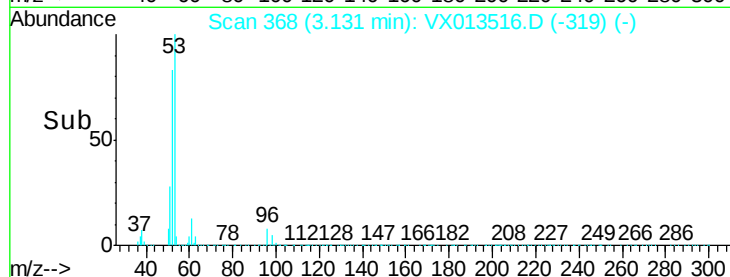
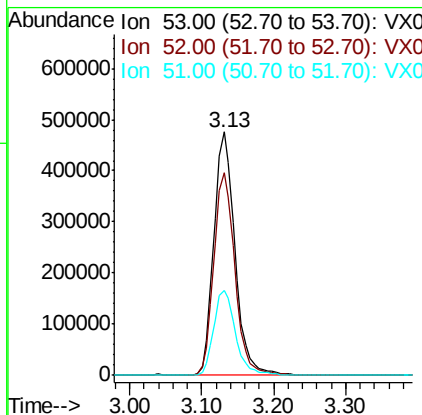
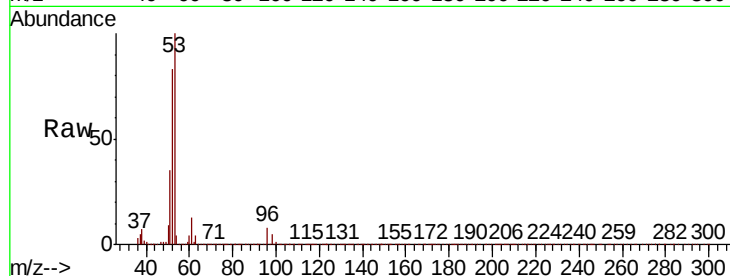
ClientSampleId :

15BR-20191120MS

Tot Ion:	53	Resp:	966042
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.4	101.0
51	36.1	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 222.854 ug/l

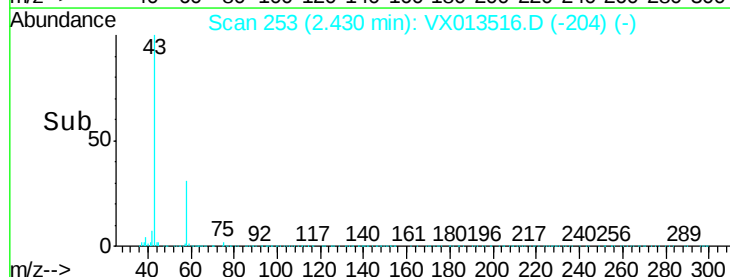
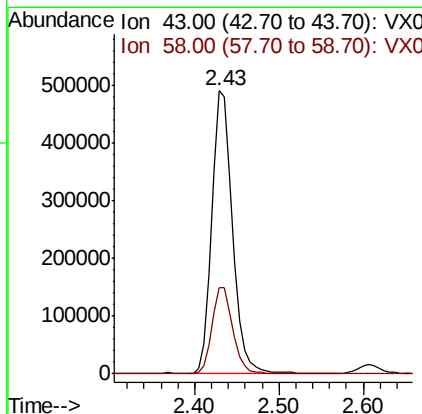
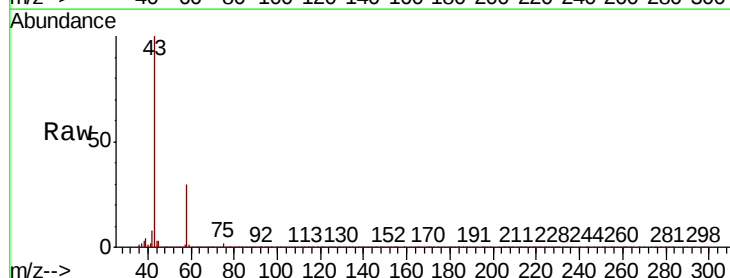
RT: 2.43 min Scan# 253

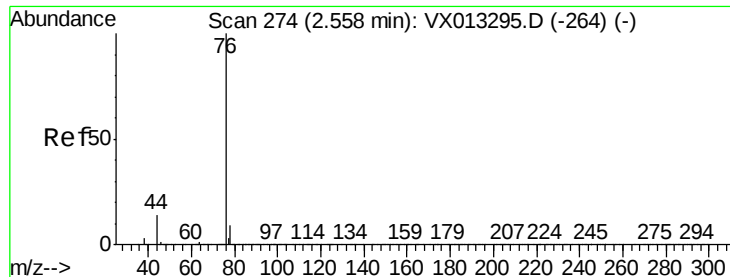
Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Tgt Ion:	43	Resp:	832944
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.3	36.5





#17

Carbon Disulfide

Concen: 42.108 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MS

Tot Ion: 76 Resp: 653911

Ion Ratio Lower Upper

76 100

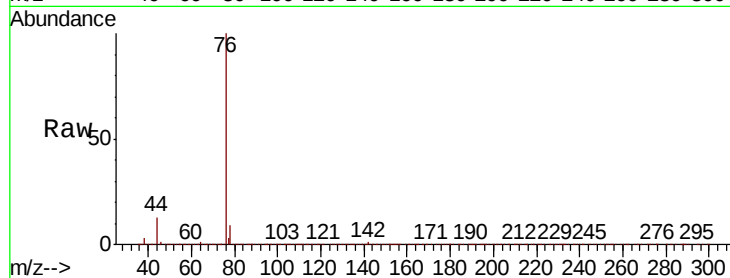
78 8.8 7.0 10.6

Manual Integrations

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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

400000

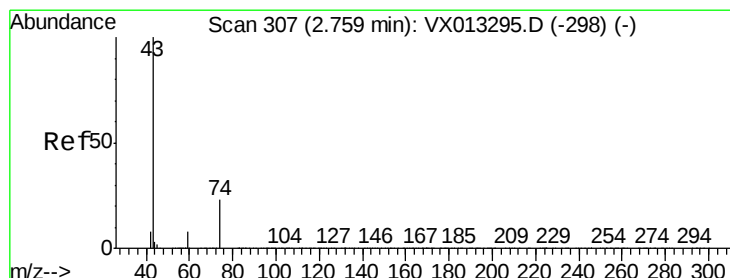
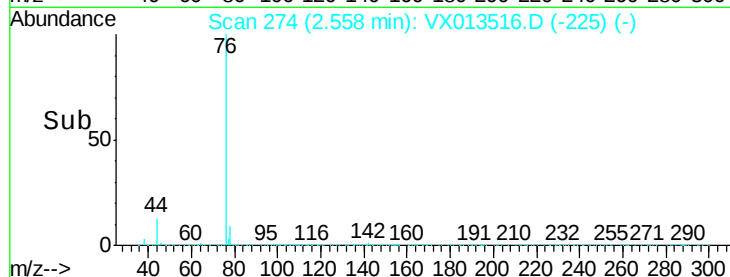
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 51.828 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013516.D

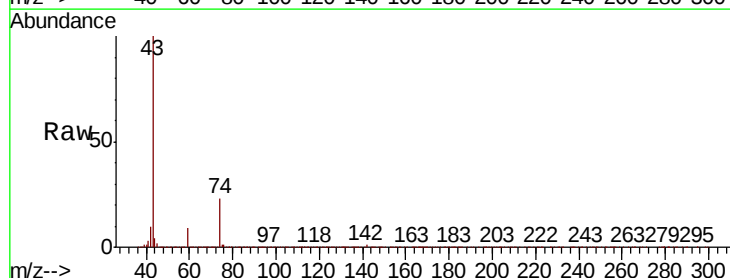
Acq: 21 Nov 2019 20:16

Tgt Ion: 43 Resp: 534801

Ion Ratio Lower Upper

43 100

74 24.1 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

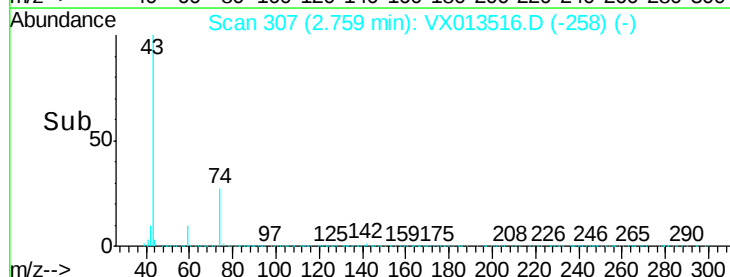
300000

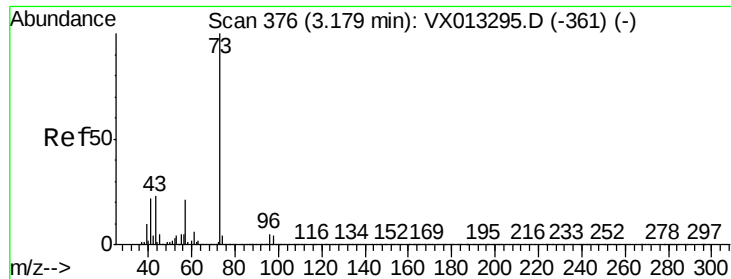
200000

100000

0

Time-->





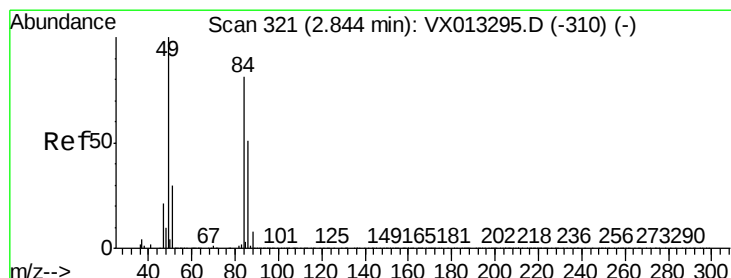
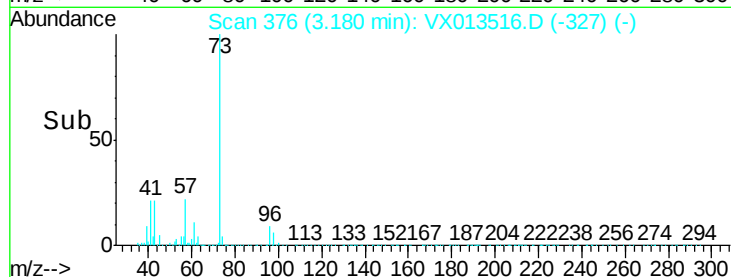
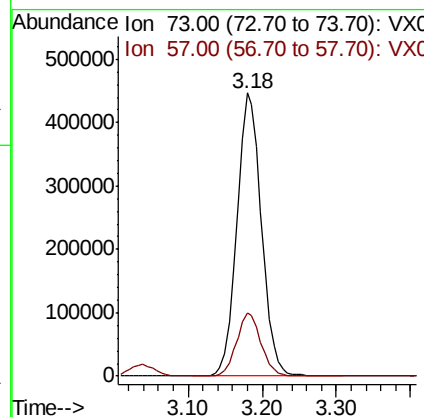
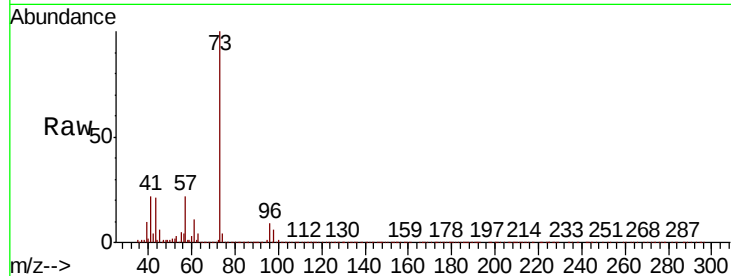
#19
Methvl tert-butvl Ether
Concen: 53.083 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion: 73 Resp: 1027231
Ion Ratio Lower Upper
73 100
57 22.2 17.1 25.7

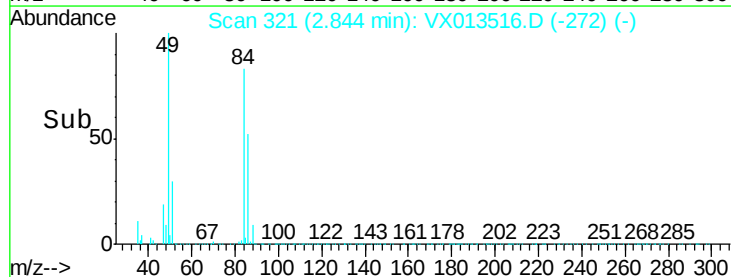
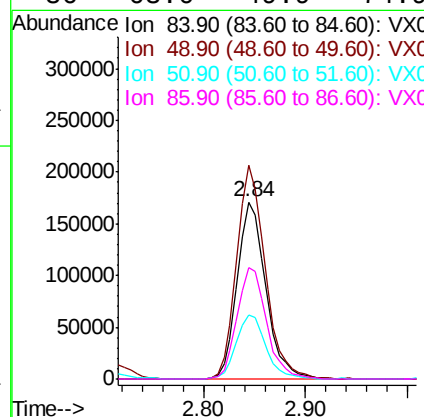
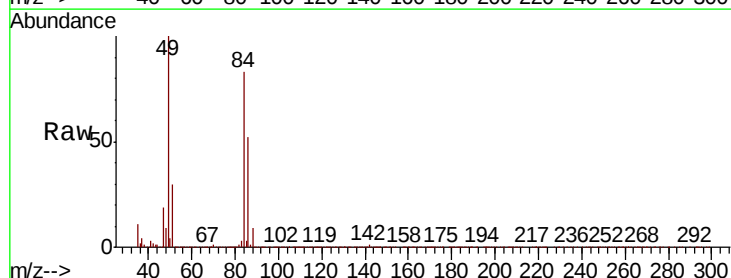
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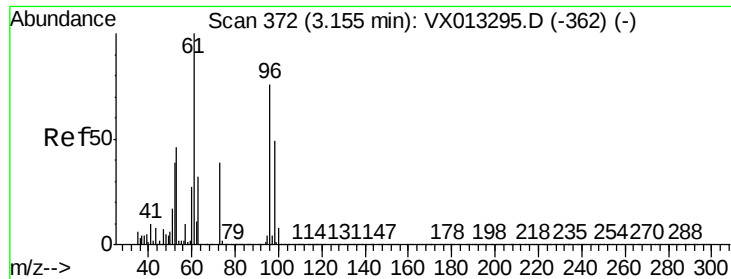
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11/22/2019 8:43:56 AM



#20
Methylene Chloride
Concen: 47.990 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion: 84 Resp: 331404
Ion Ratio Lower Upper
84 100
49 120.6 98.2 147.4
51 36.1 29.9 44.9
86 63.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 74.685 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

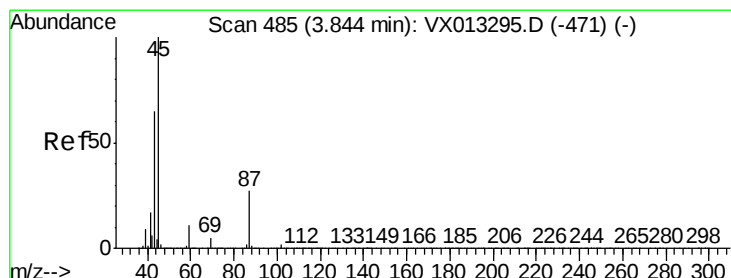
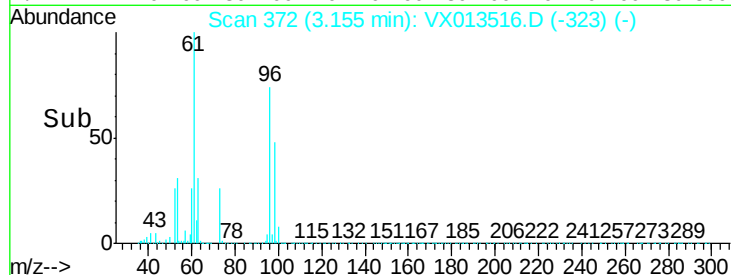
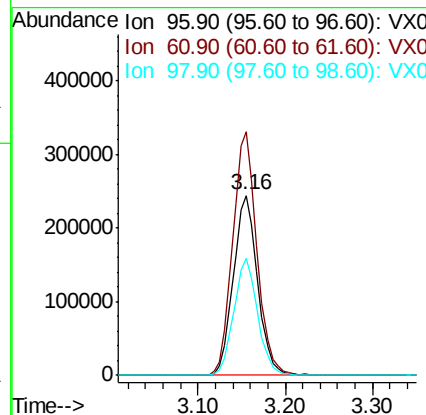
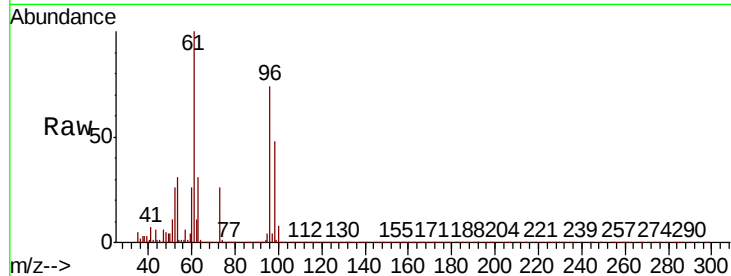
ClientSampleId :

15BR-20191120MS

Tot Ion:	96	Resp:	471803
Ion	Ratio	Lower	Upper
96	100		
61	135.2	105.8	158.6
98	64.7	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.179 ug/l

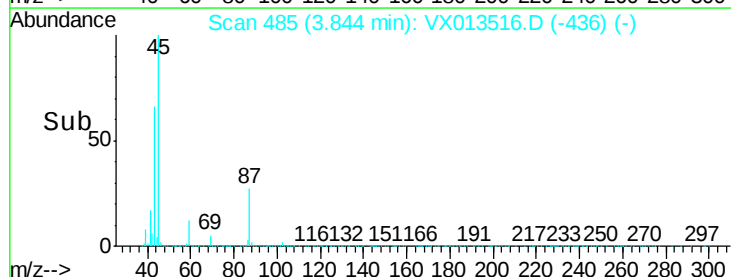
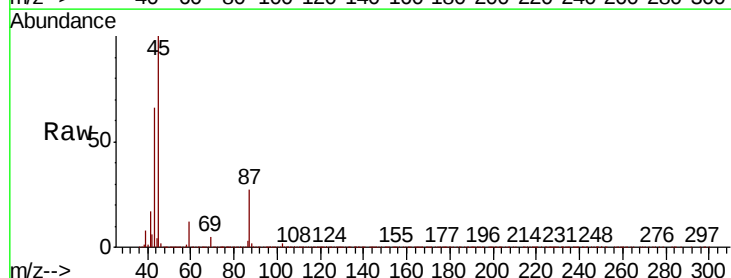
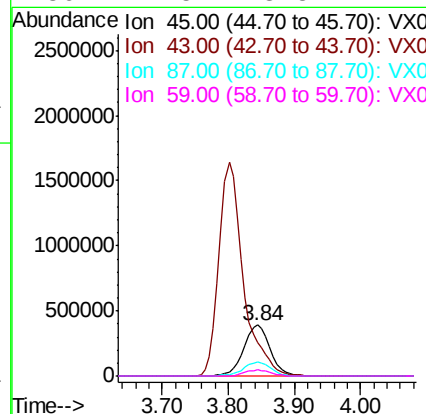
RT: 3.84 min Scan# 485

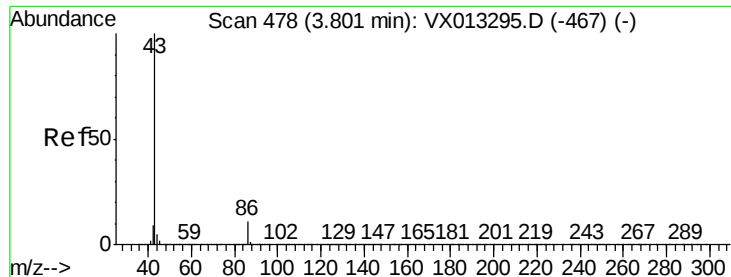
Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Tgt Ion:	45	Resp:	1082332
Ion	Ratio	Lower	Upper
45	100		
43	65.8	54.2	81.2
87	27.4	21.8	32.8
59	11.5	8.5	12.7





#23

Vinyl Acetate

Concen: 242.747 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MS

Tot Ion: 43 Resp: 4227552

Ion Ratio Lower Upper

43 100

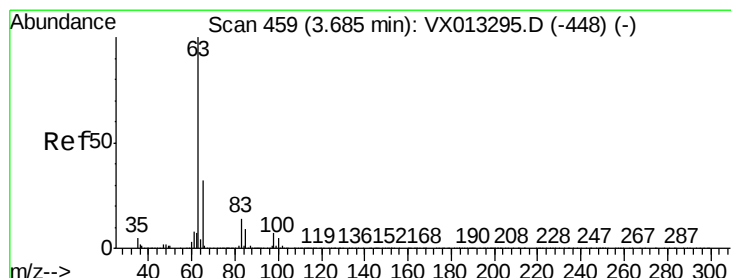
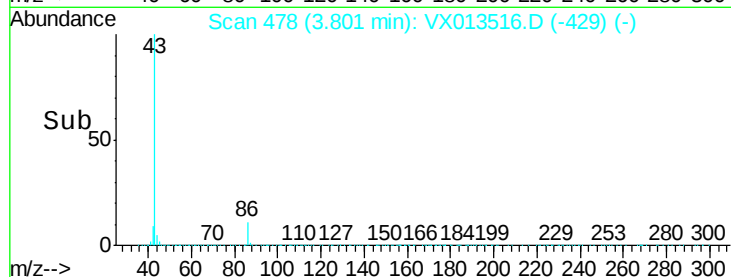
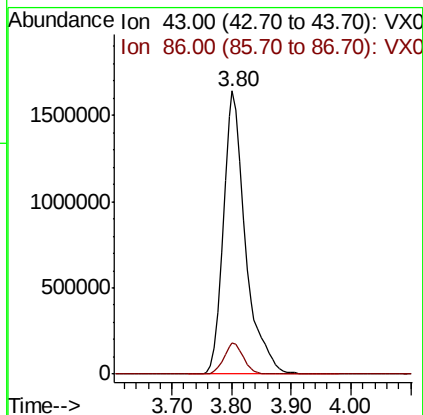
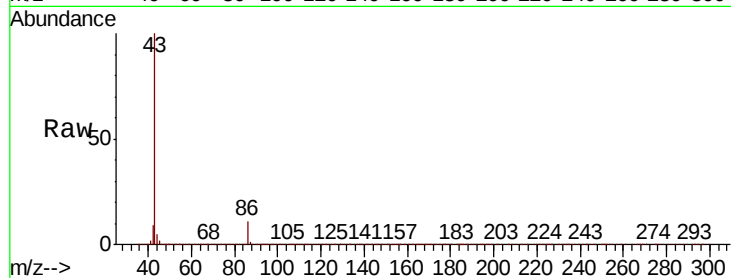
86 10.9 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 50.643 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

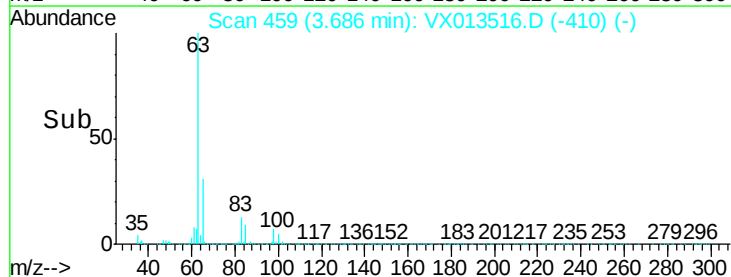
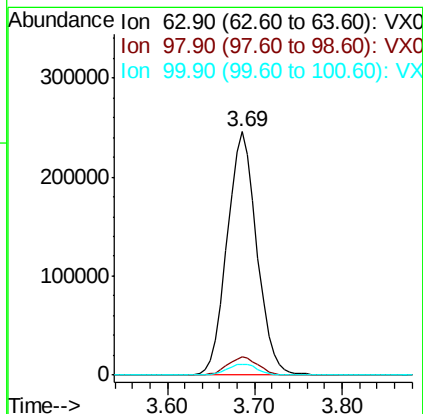
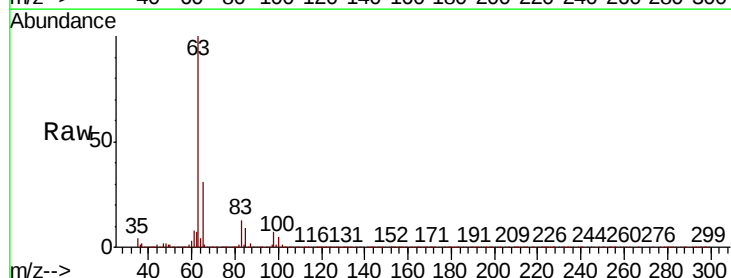
Tgt Ion: 63 Resp: 576583

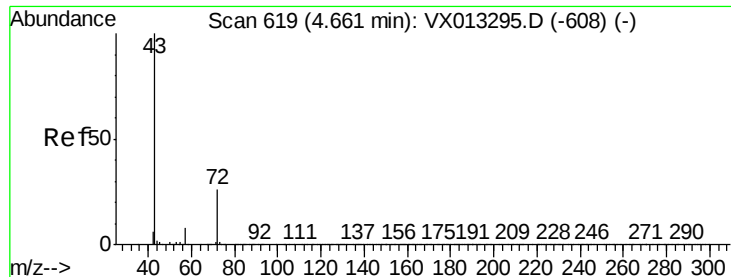
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 241.827 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MS

Tot Ion: 43 Resp: 1325974

Ion Ratio Lower Upper

43 100

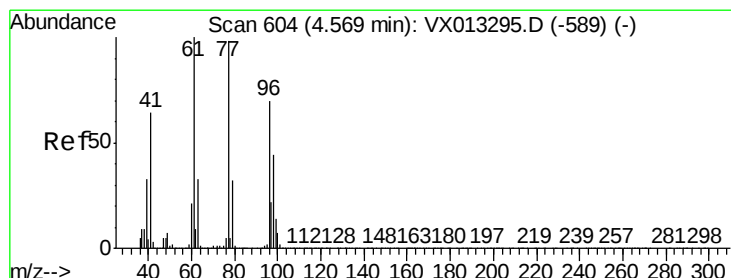
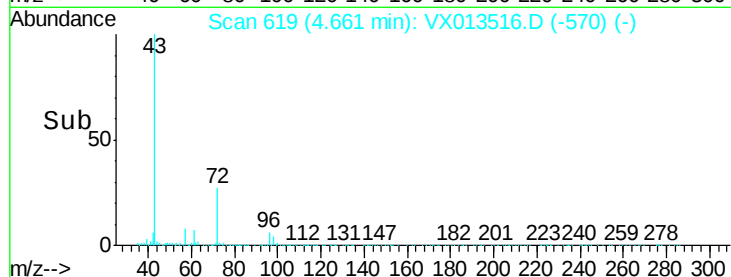
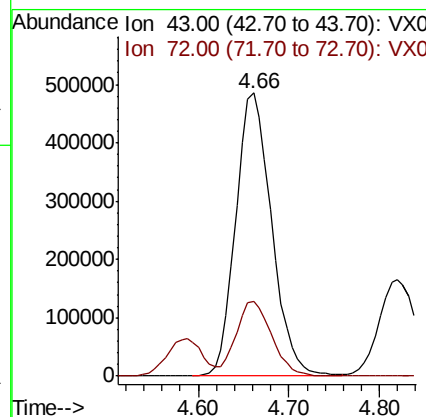
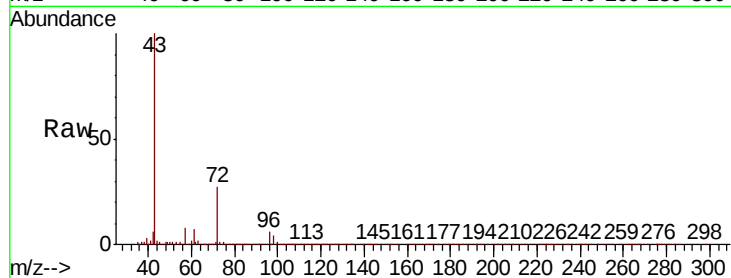
72 26.4 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.263 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.01 min

Lab File: VX013516.D

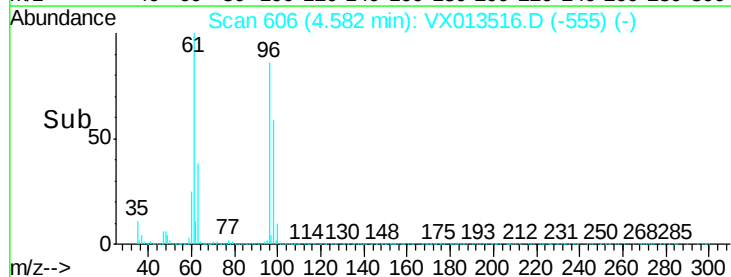
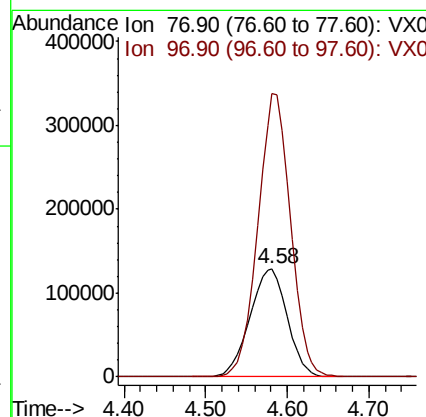
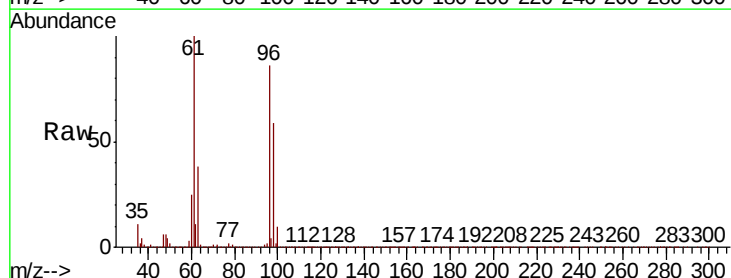
Acq: 21 Nov 2019 20:16

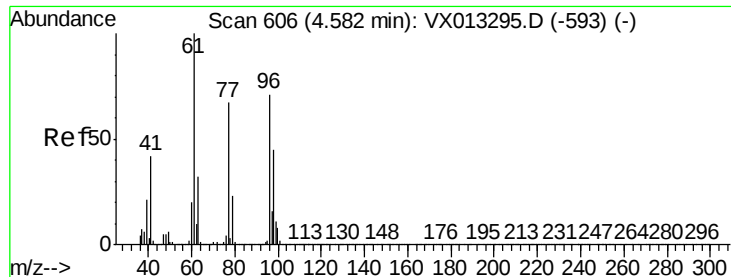
Tgt Ion: 77 Resp: 409958

Ion Ratio Lower Upper

77 100

97 229.9 11.3 33.8#





#27

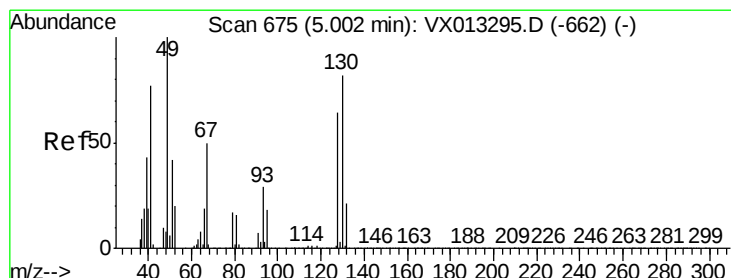
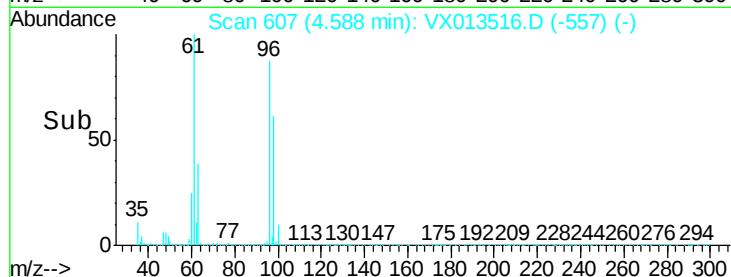
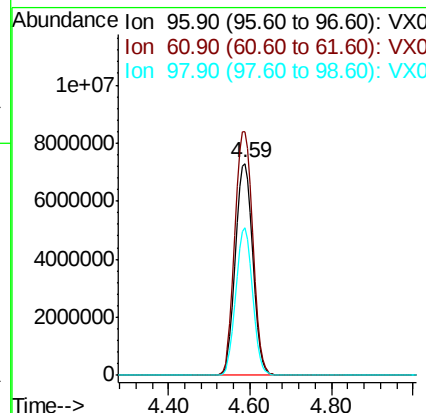
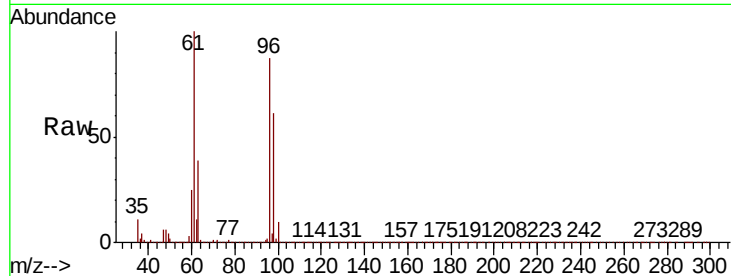
cis-1,2-Dichloroethene
Concen: 2992.222 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion: 96 Resp: 21174958
Ion Ratio Lower Upper
96 100
61 119.1 0.0 288.0
98 67.2 0.0 129.6

Manual Integrations
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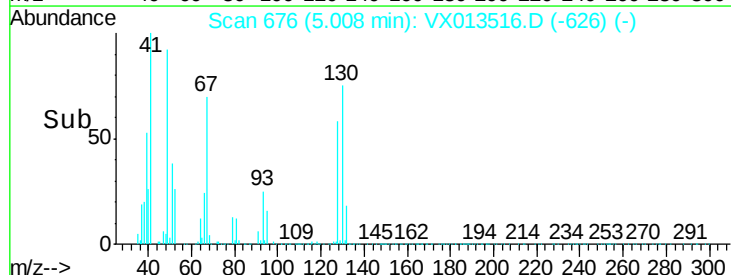
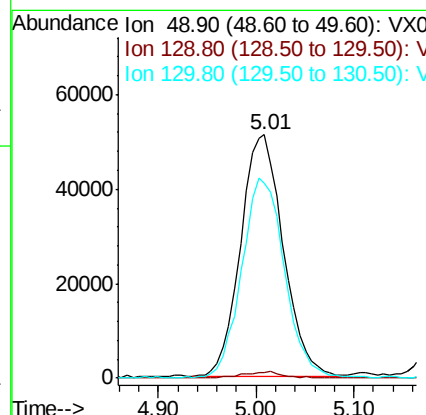
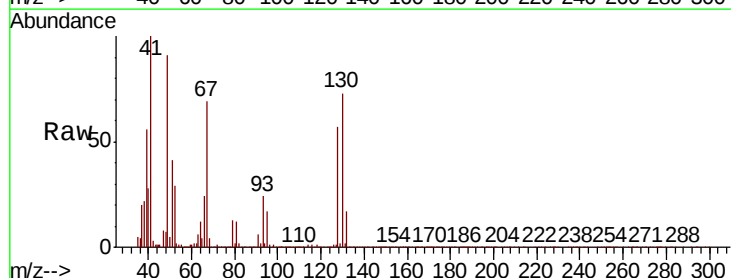
MMDadoda
11/22/2019 8:43:56 AM

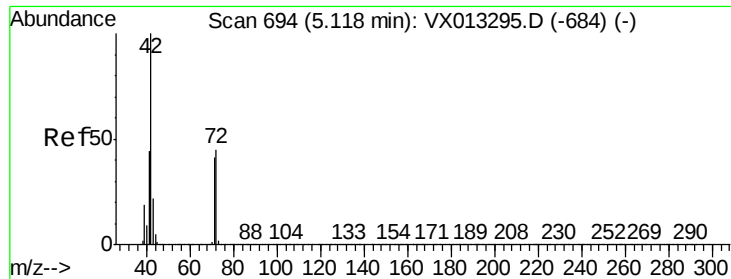


#28

Bromochloromethane
Concen: 48.077 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion: 49 Resp: 155415
Ion Ratio Lower Upper
49 100
129 2.6 0.0 5.2
130 83.8 63.8 95.6





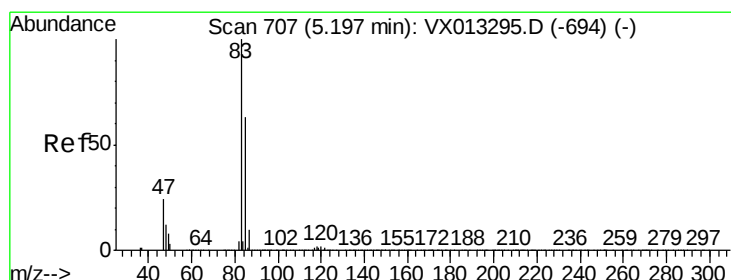
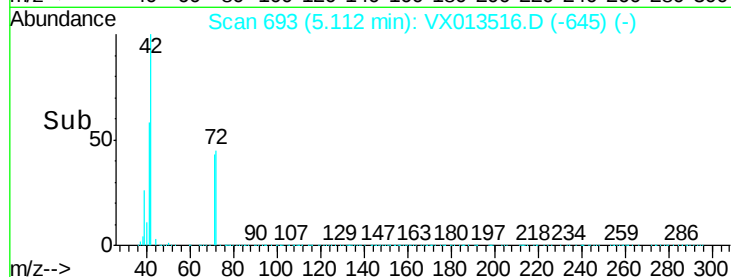
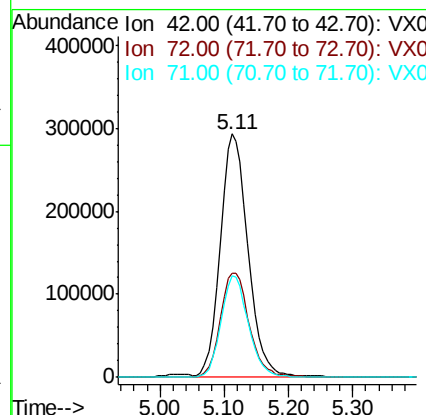
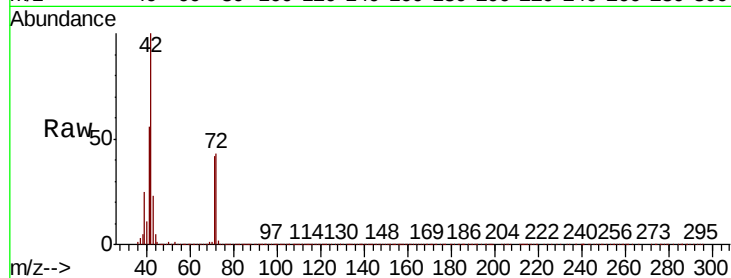
#29
Tetrahydrofuran
Concen: 262.060 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.8	53.8
71	41.5	33.4	50.0

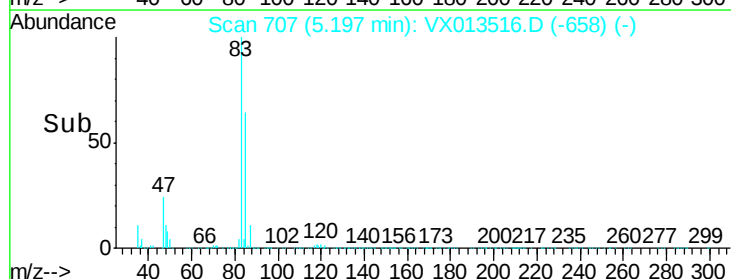
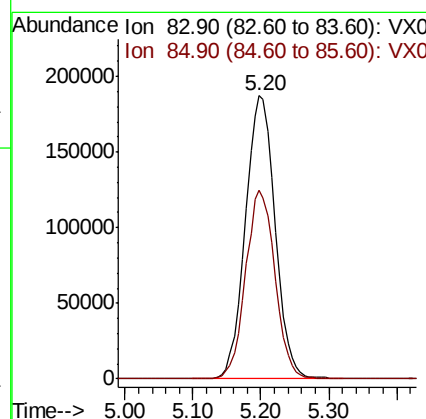
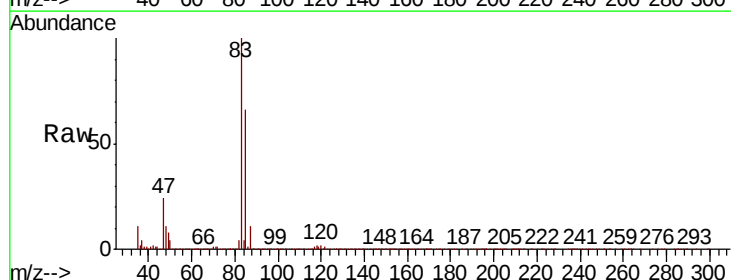
Manual Integrations
APPROVED

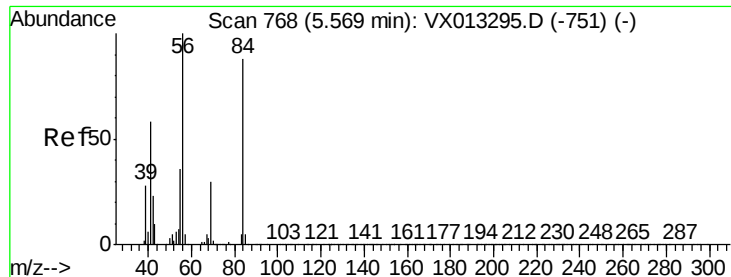
MMDadoda
11/22/2019 8:43:56 AM



#30
Chloroform
Concen: 50.677 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.2	75.4





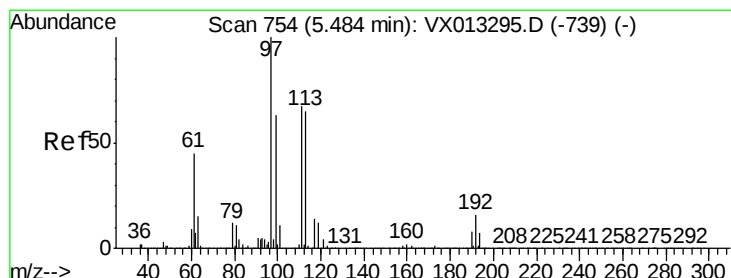
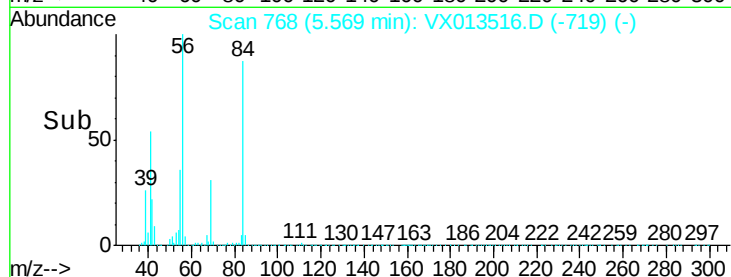
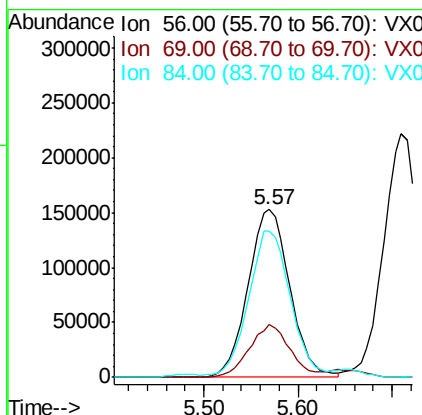
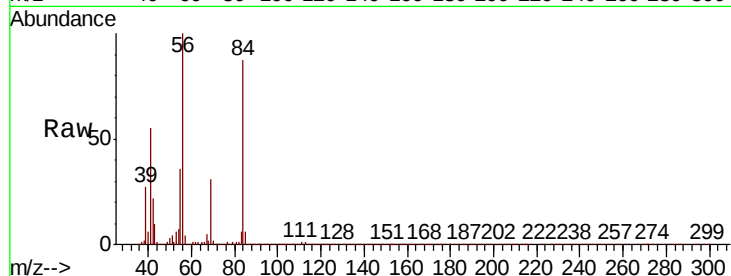
#31
Cvclohexane
Concen: 46.001 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.7	35.5
84	85.4	70.6	105.8

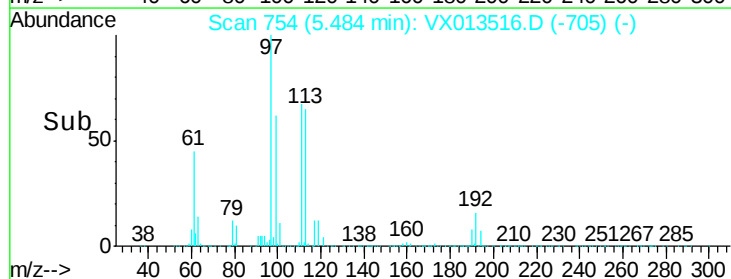
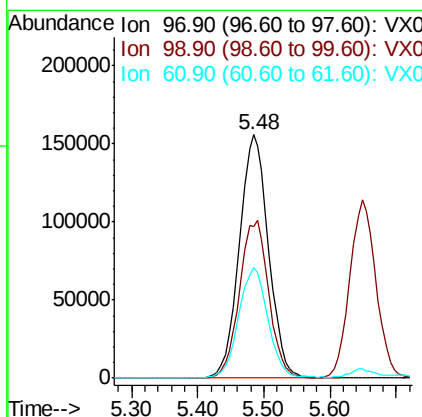
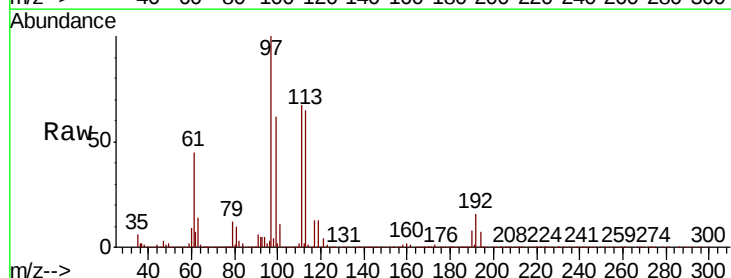
Manual Integrations
APPROVED

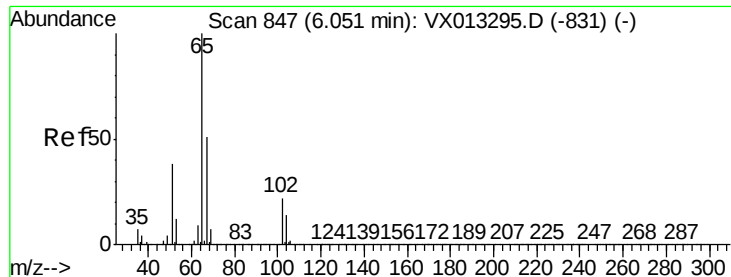
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#32
1,1,1-Trichloroethane
Concen: 49.181 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.1	76.7
61	45.6	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 48.135 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MS

Tot Ion: 65 Resp: 360694

Ion Ratio Lower Upper

65 100

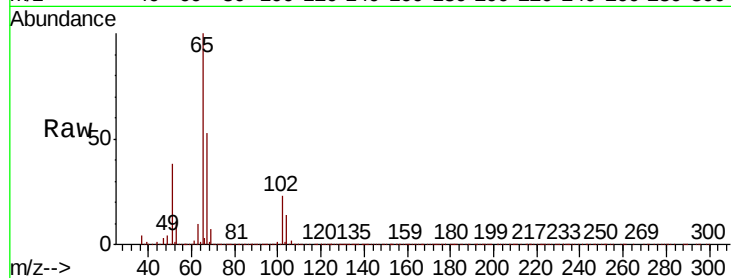
67 52.1 0.0 104.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

150000

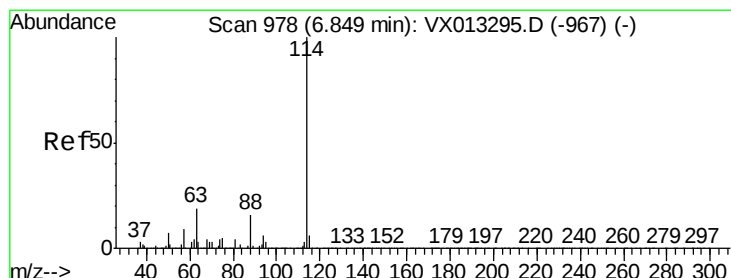
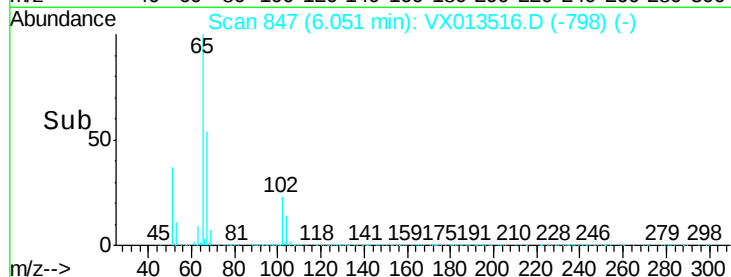
100000

50000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

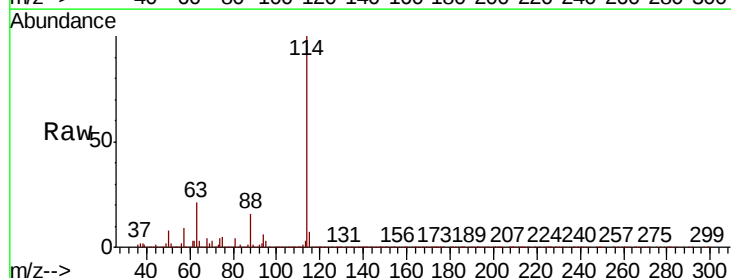
Tgt Ion: 114 Resp: 1003415

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.4

88 15.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

500000

400000

300000

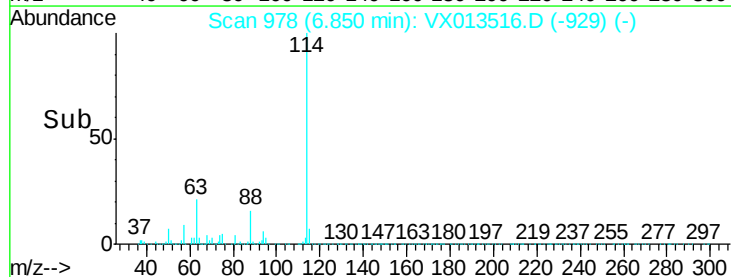
200000

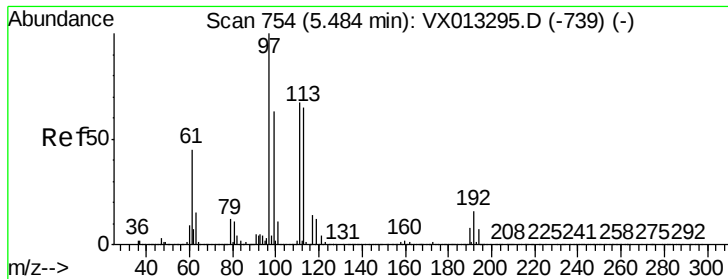
100000

0

6.70 6.80 6.90 7.00 7.10

Time-->





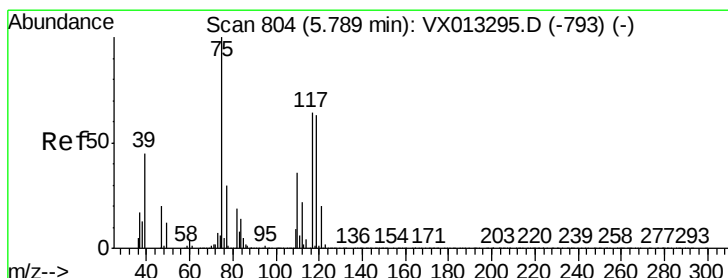
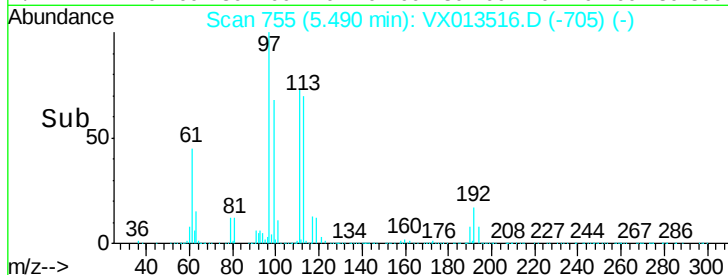
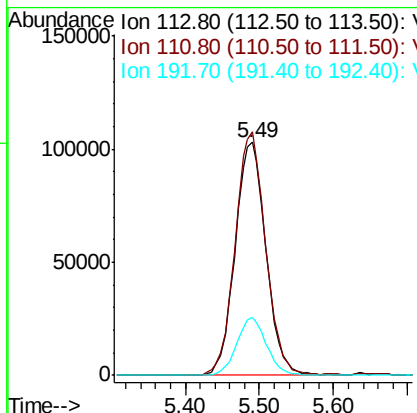
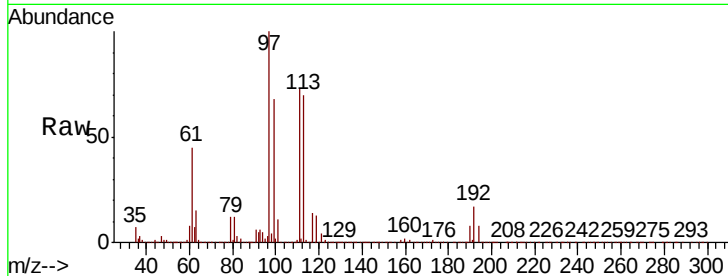
#35
Dibromofluoromethane
Concen: 47.377 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	298172		
111	102.9	81.9	122.9	
192	24.0	19.1	28.7	

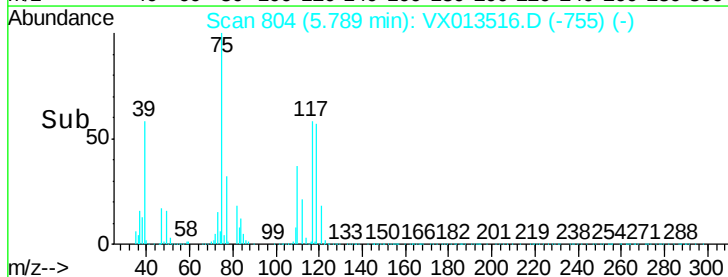
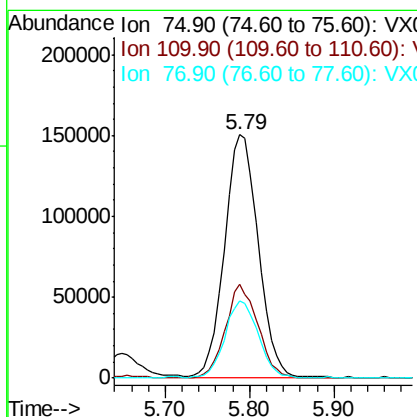
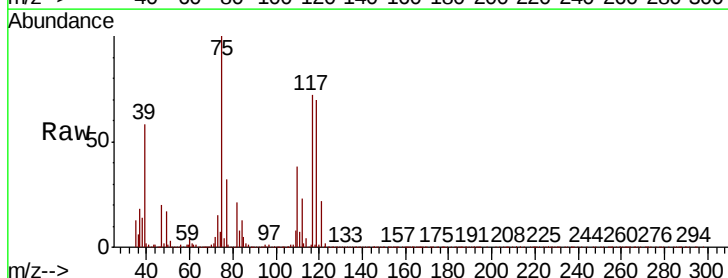
Manual Integrations
APPROVED

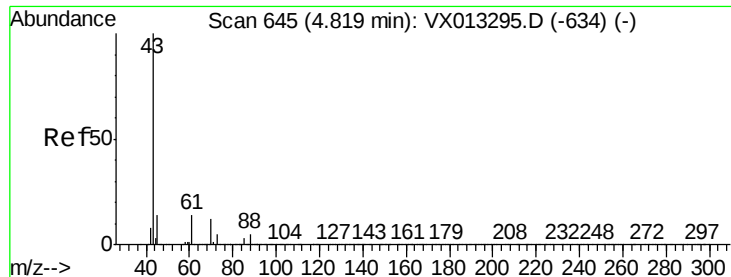
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#36
1,1-Dichloropropene
Concen: 47.339 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	407495		
110	37.3	18.1	54.1	
77	31.2	25.0	37.4	





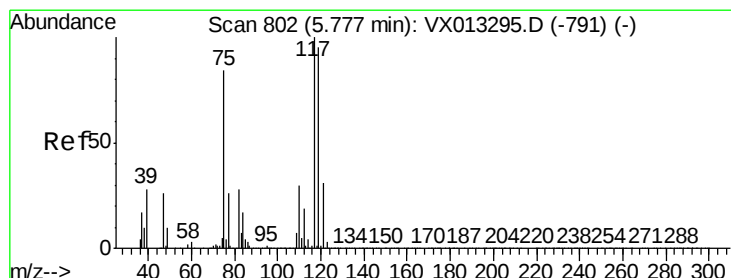
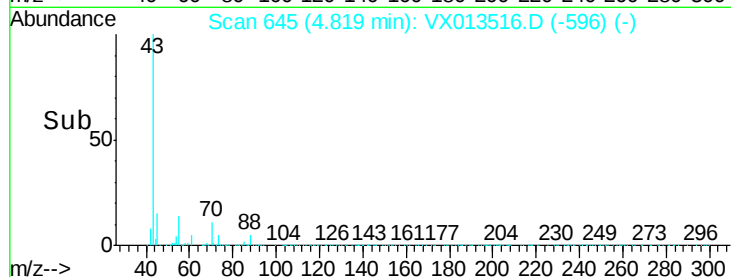
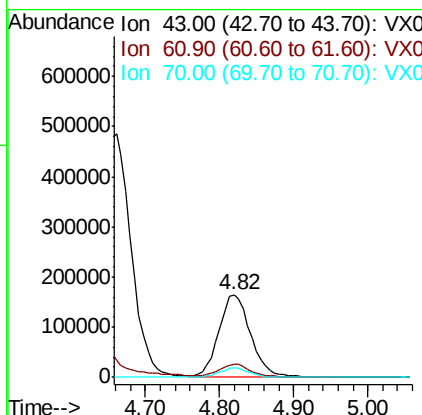
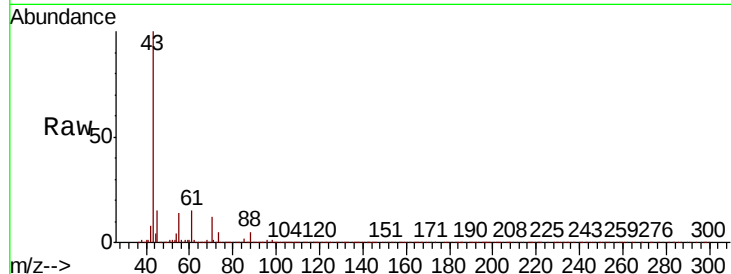
#37
Ethyl Acetate
Concen: 45.663 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	10.8	8.7	13.1

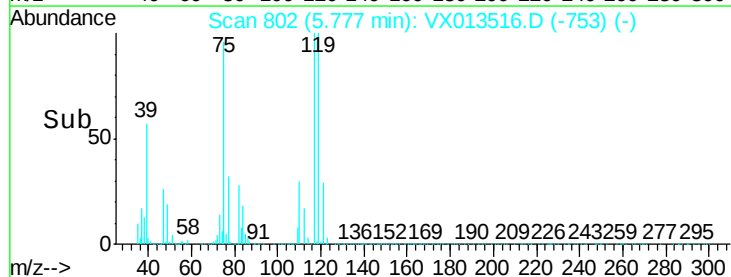
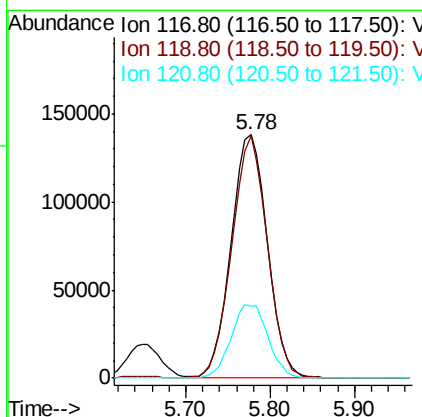
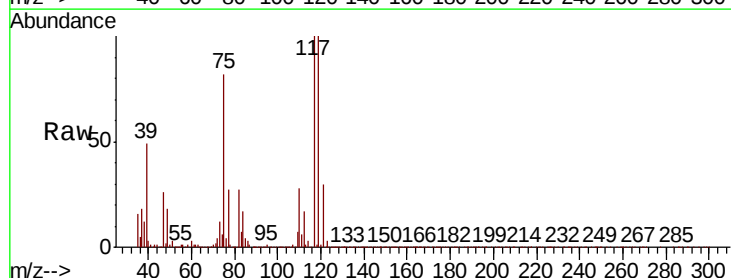
Manual Integrations
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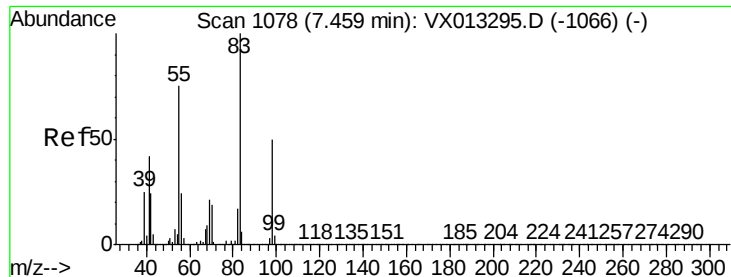
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#38
Carbon Tetrachloride
Concen: 47.627 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	76.1	114.1
121	29.7	24.6	37.0





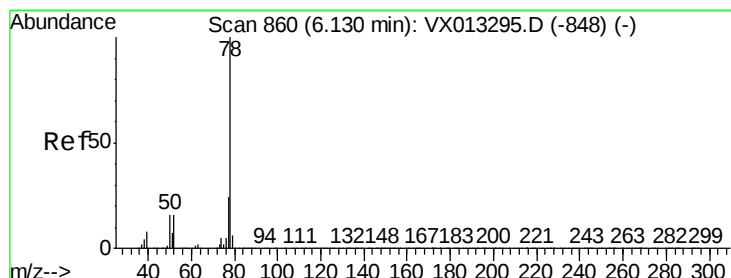
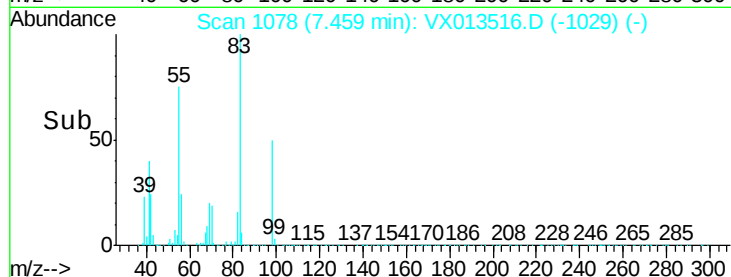
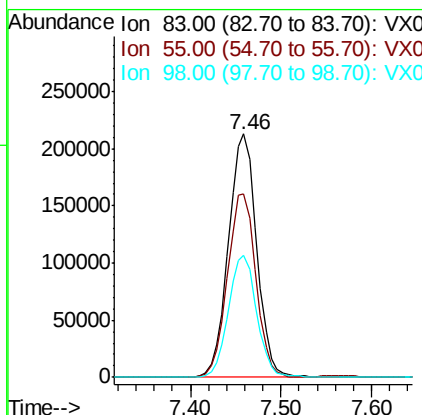
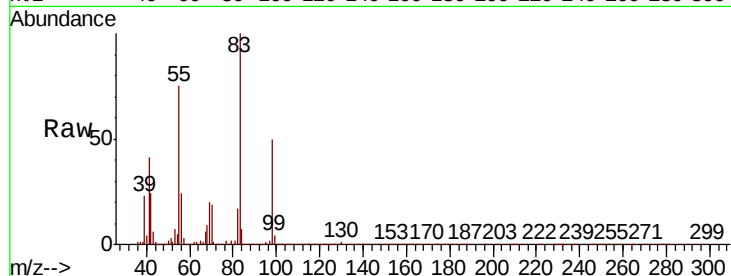
#39
Methvlcvclohexane
Concen: 42.768 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	60.3	90.5
98	50.0	40.3	60.5

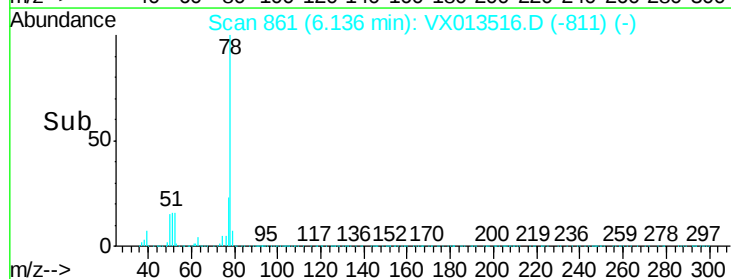
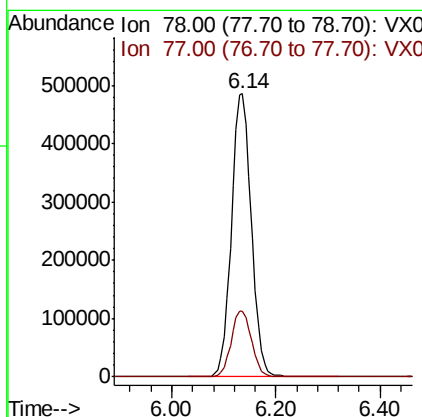
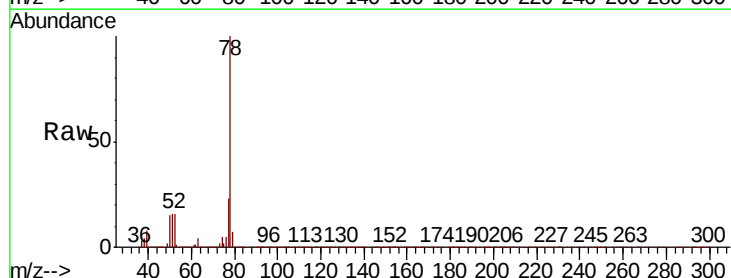
Manual Integrations
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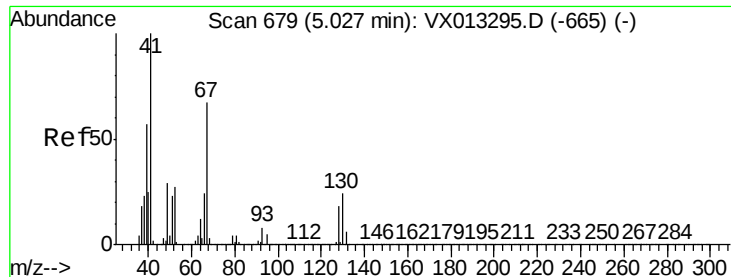
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11/22/2019 8:43:56 AM



#40
Benzene
Concen: 48.436 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.5	29.3





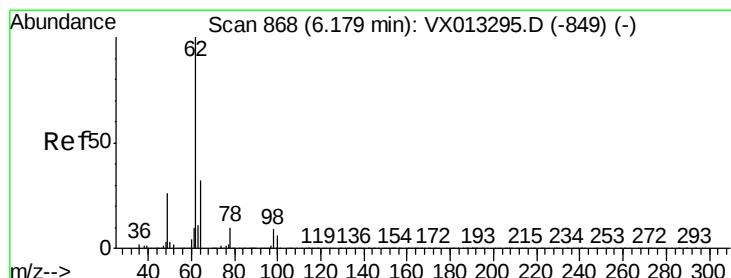
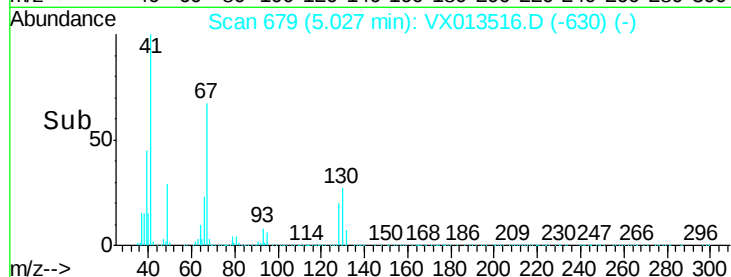
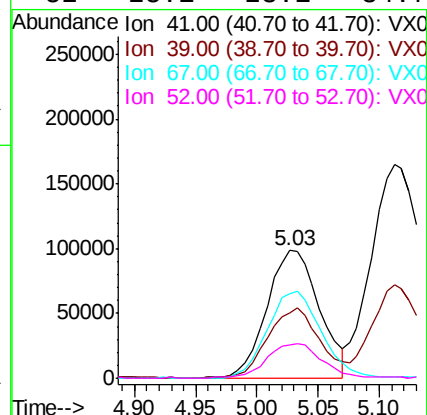
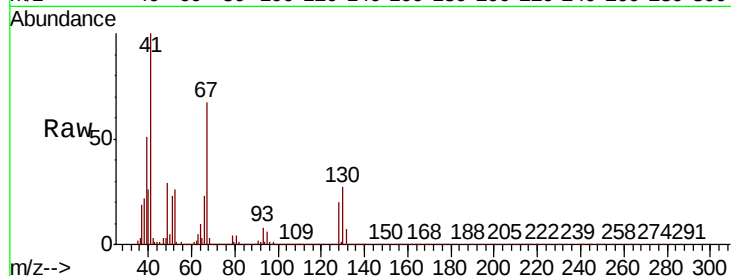
#41
Methacrylonitrile
Concen: 49.127 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		292888		
39	55.2	45.0	67.6		
67	70.2	55.4	83.2		
52	28.1	23.1	34.7		

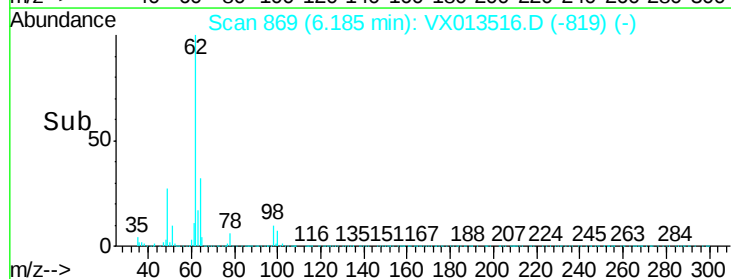
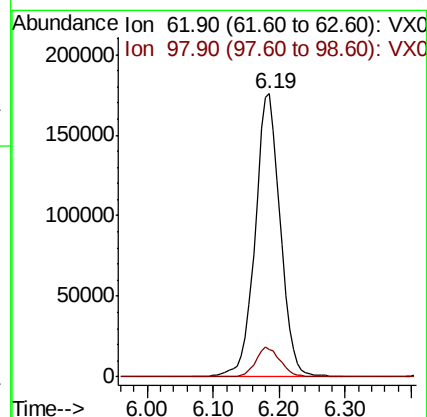
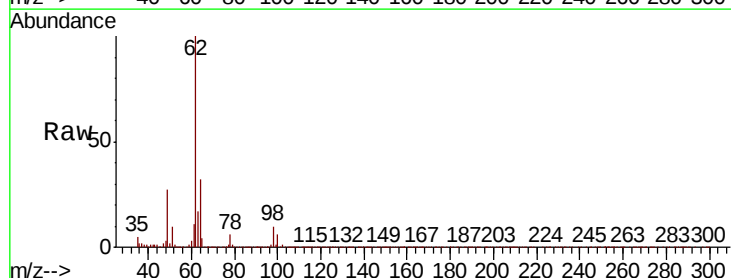
Manual Integrations
APPROVED

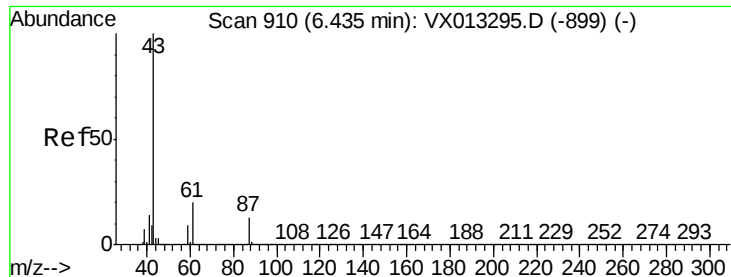
MMDadoda
11/22/2019 8:43:56 AM



#42
1,2-Dichloroethane
Concen: 48.168 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		465872		
98	10.0	0.0	19.4		





#43

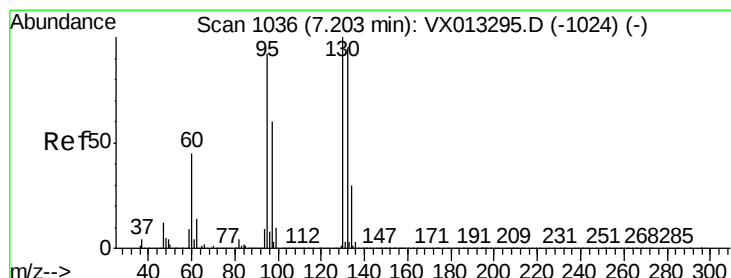
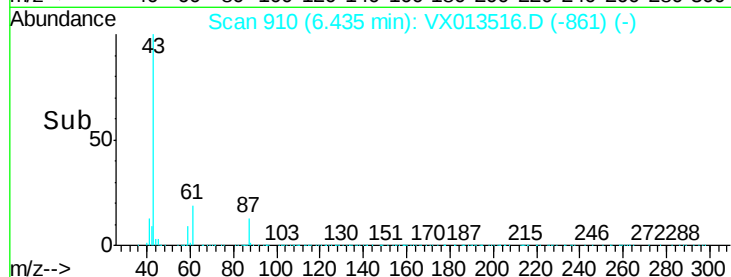
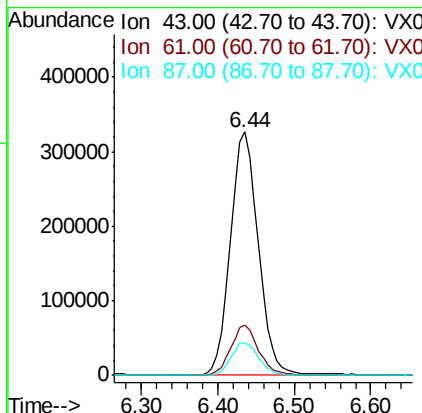
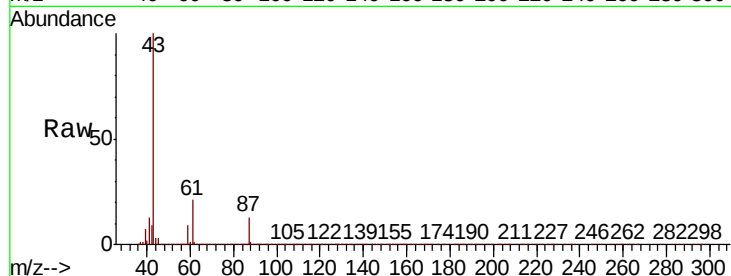
Isopropyl Acetate
 Concen: 49.680 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.8	23.8
87	13.3	10.4	15.6

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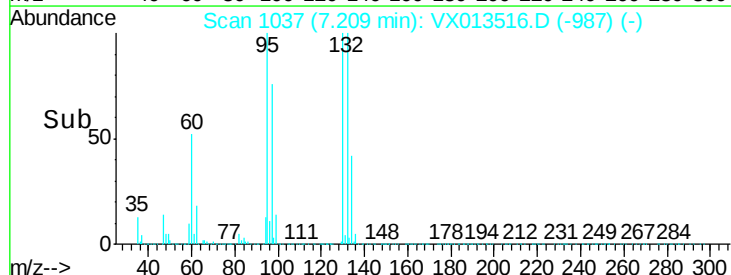
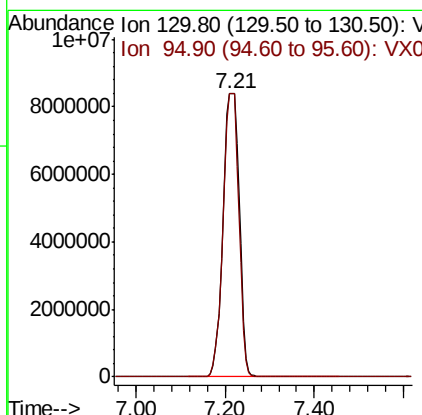
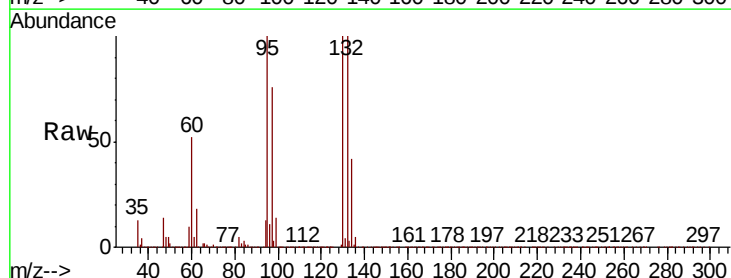
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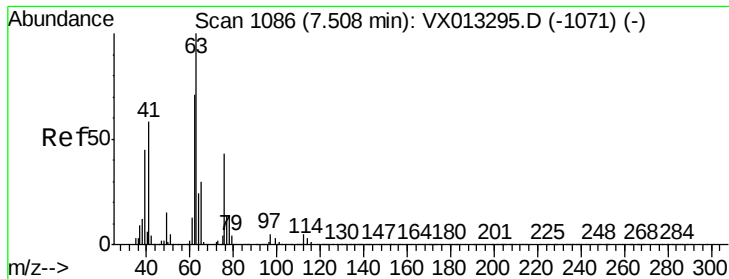


#44

Trichloroethene
 Concen: 2916.843 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	184.8





#45

1,2-Dichloropropane

Concen: 49.805 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MS

Tot Ion: 63 Resp: 340272

Ion Ratio Lower Upper

63 100

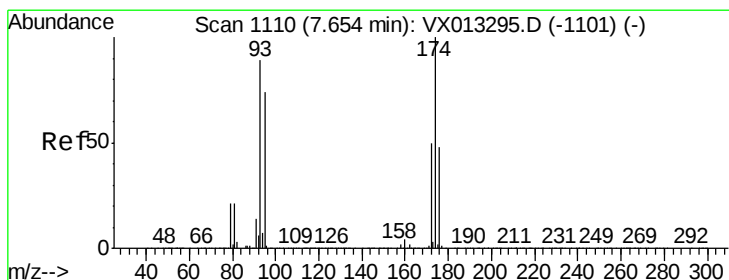
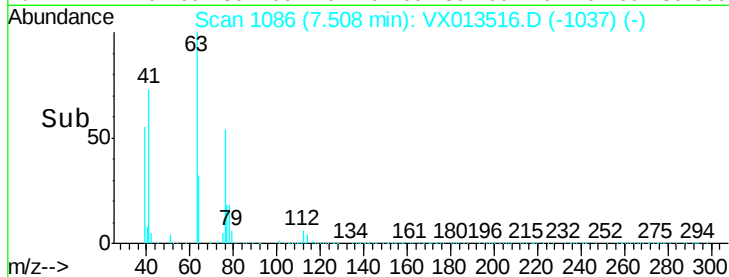
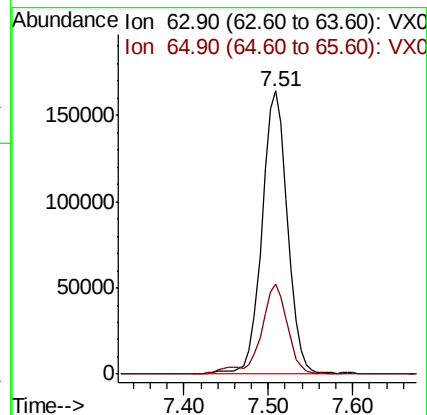
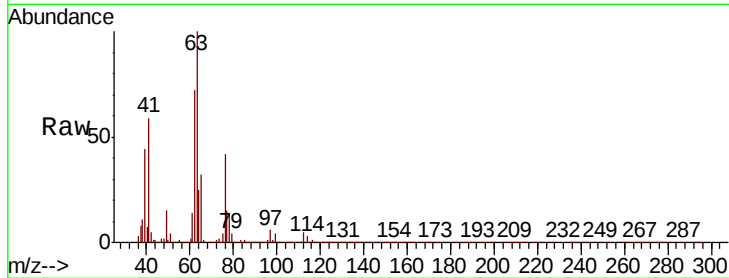
65 31.7 24.3 36.5

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#46

Dibromomethane

Concen: 47.551 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

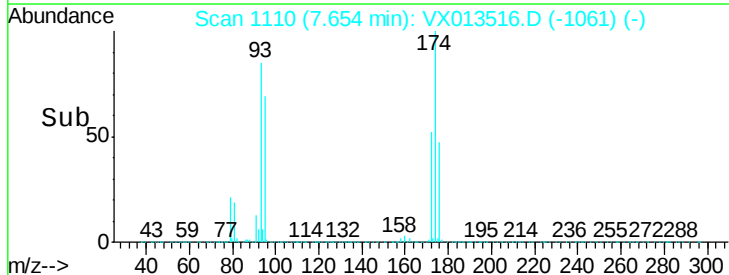
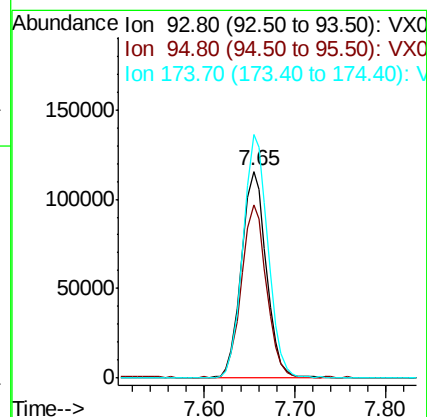
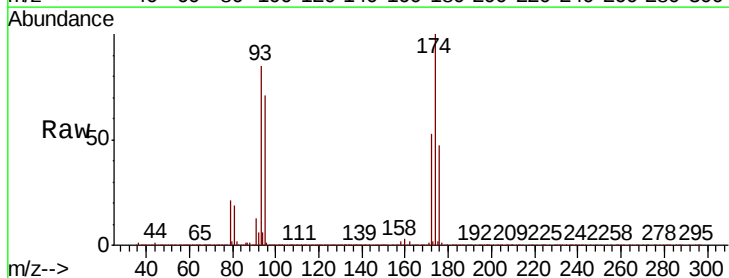
Tgt Ion: 93 Resp: 221813

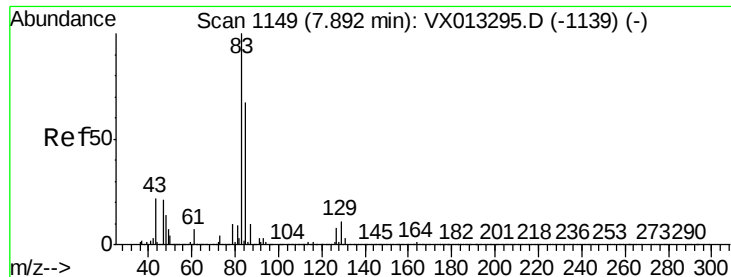
Ion Ratio Lower Upper

93 100

95 82.6 65.8 98.6

174 117.4 90.4 135.6





#47

Bromodichloromethane

Concen: 50.649 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

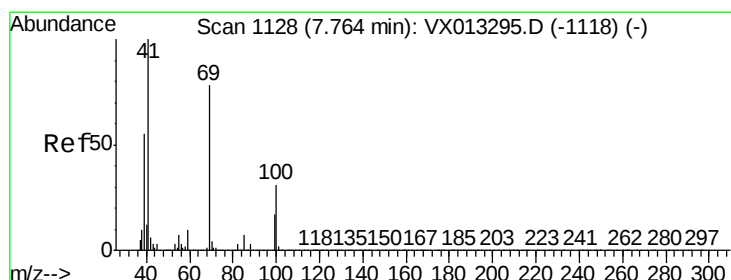
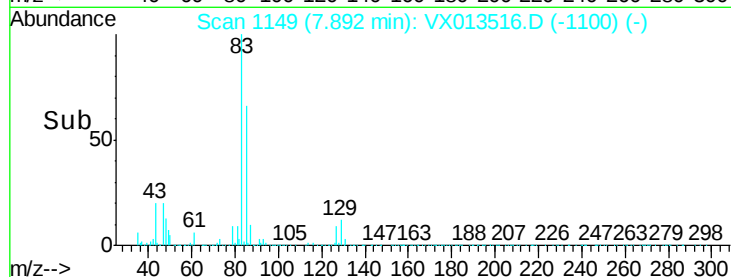
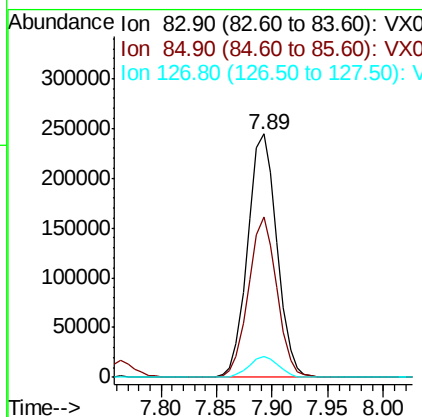
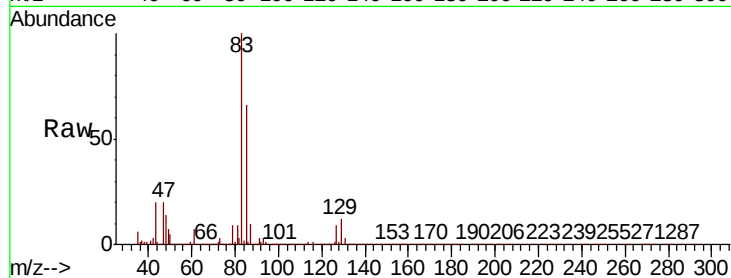
ClientSampleId :

15BR-20191120MS

Tot Ion:	83	Resp:	445524
Ion Ratio	Lower	Upper	
83	100		
85	66.0	53.7	80.5
127	8.6	6.4	9.6

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#48

Methyl methacrylate

Concen: 51.303 ug/l

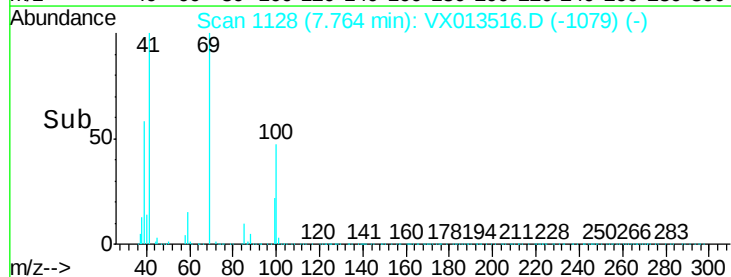
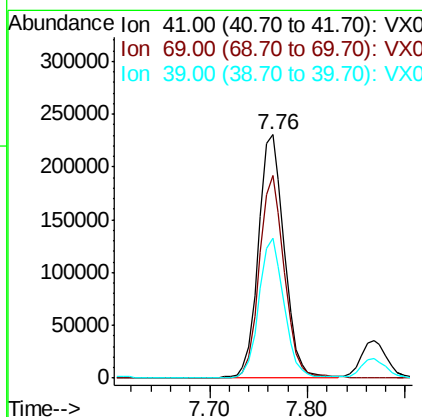
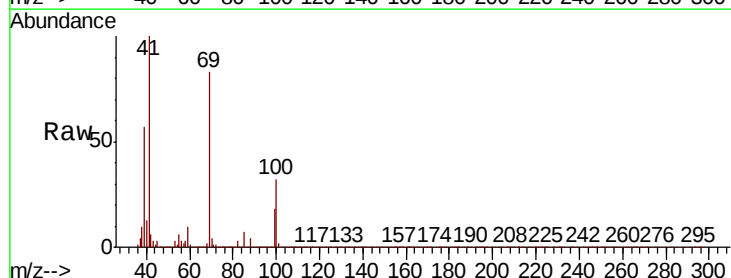
RT: 7.76 min Scan# 1128

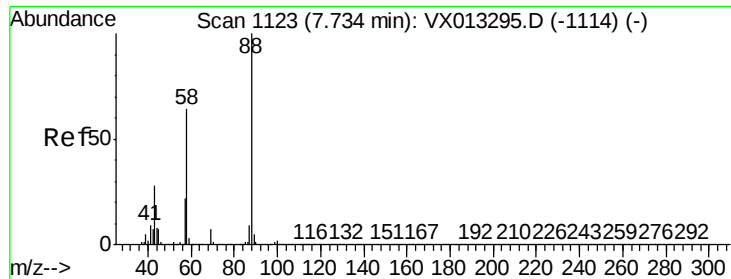
Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Tgt Ion:	41	Resp:	424170
Ion Ratio	Lower	Upper	
41	100		
69	80.8	63.0	94.6
39	55.3	45.9	68.9





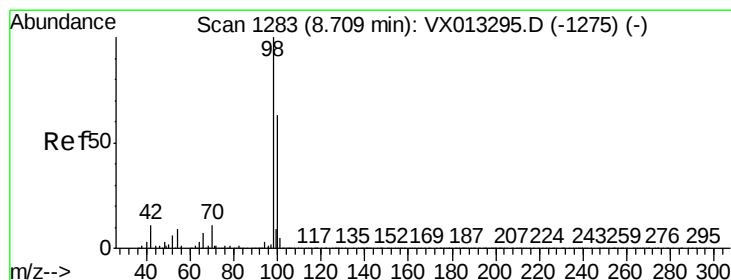
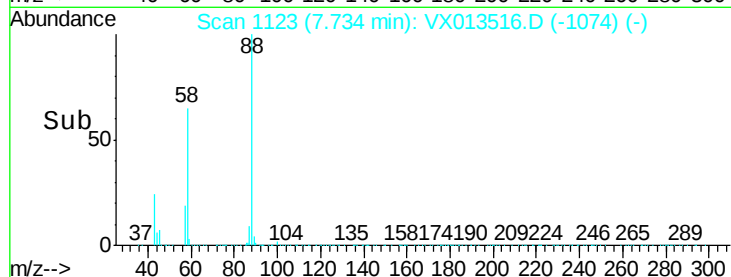
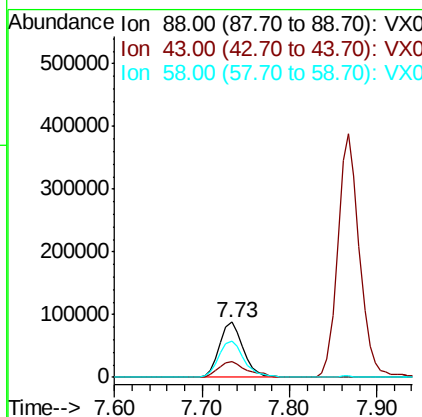
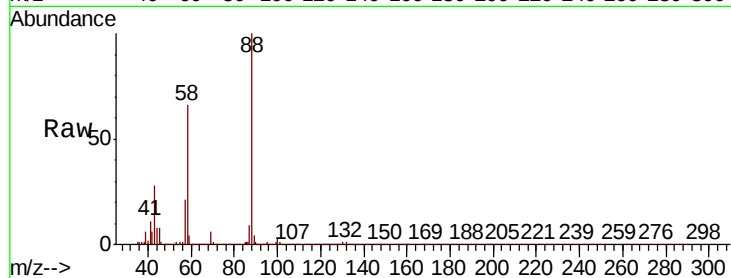
#49
1,4-Dioxane
Concen: 866.827 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	26.6	39.8
58	70.4	55.0	82.6

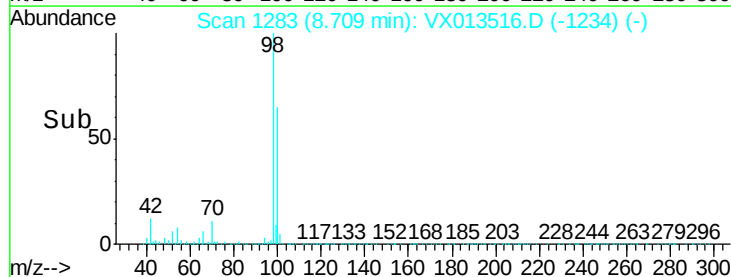
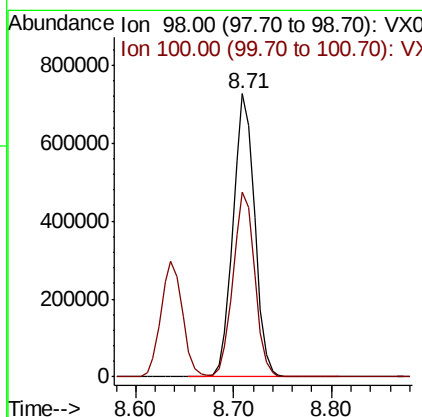
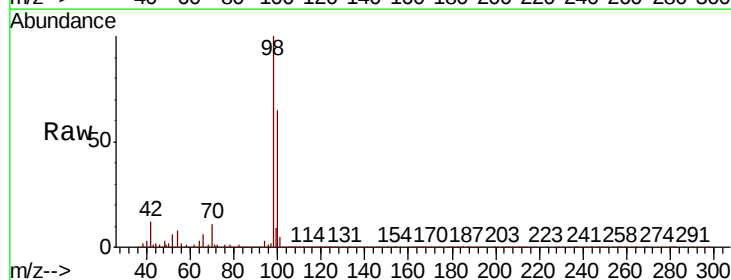
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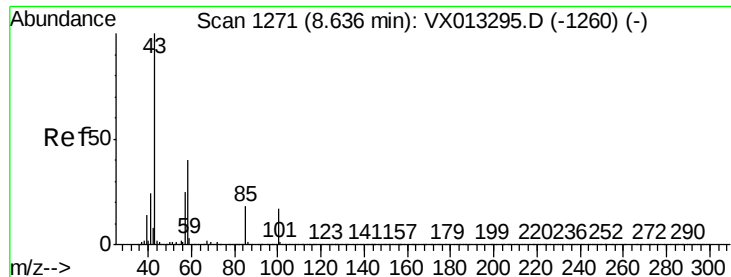
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#50
Toluene-d8
Concen: 46.889 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 248.965 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Tot Ion: 43 Resp: 2705472

Ion Ratio Lower Upper

43 100

58 40.1 31.4 47.0

Instrument :

MSVOA_X

ClientSampleId :

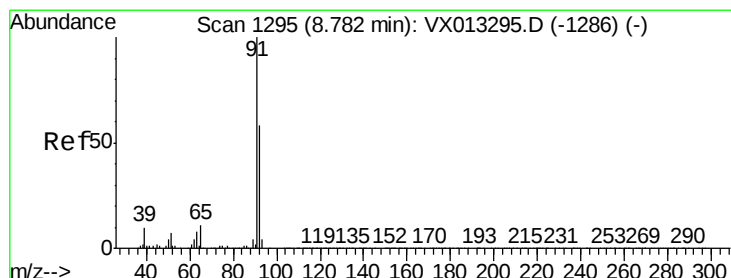
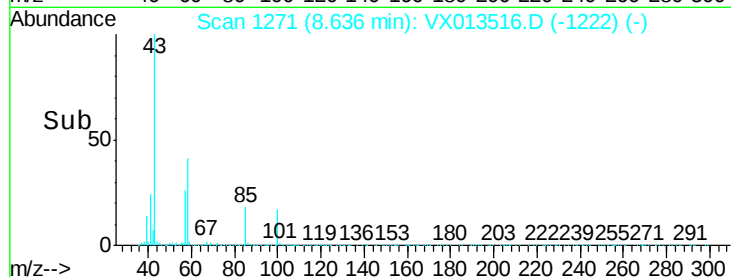
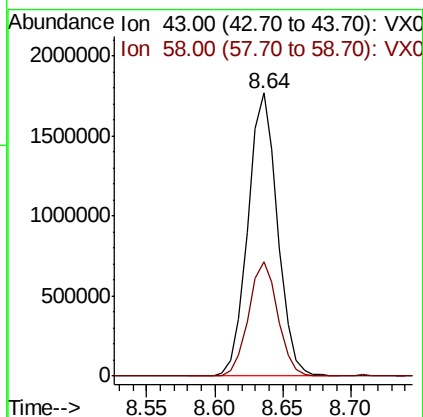
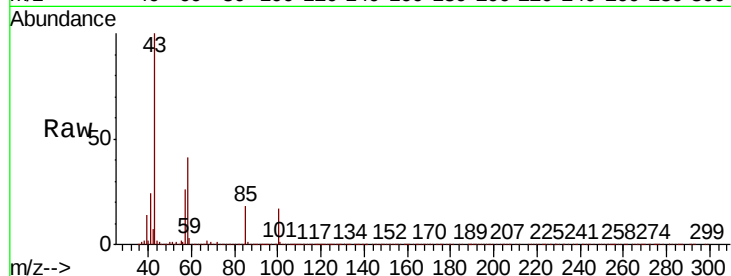
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#52

Toluene

Concen: 48.509 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013516.D

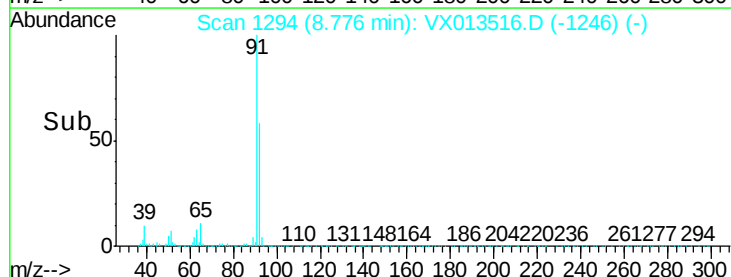
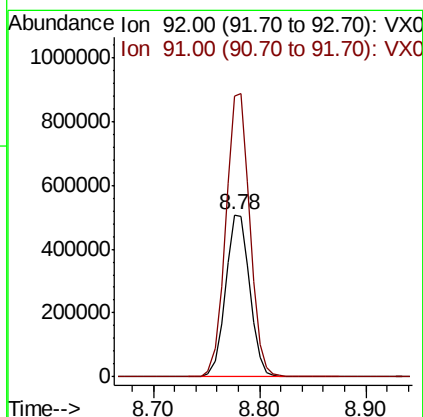
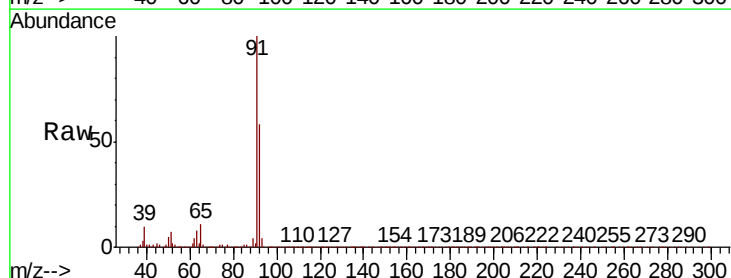
Acq: 21 Nov 2019 20:16

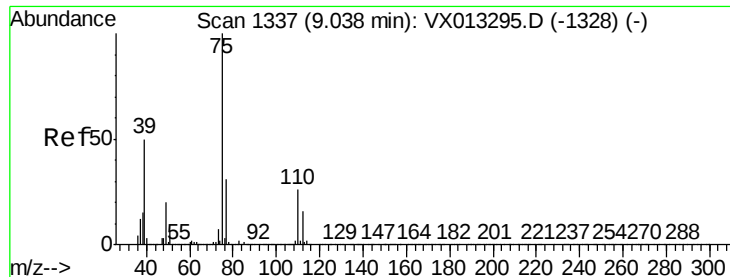
Tgt Ion: 92 Resp: 806169

Ion Ratio Lower Upper

92 100

91 173.6 138.0 207.0





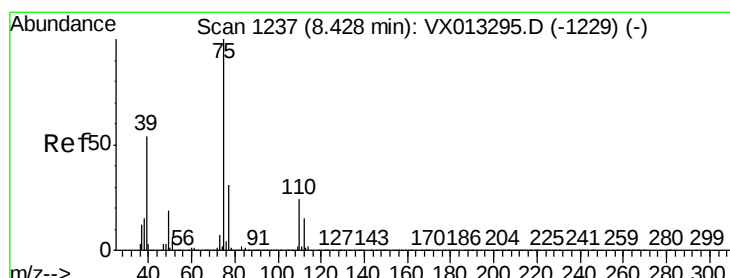
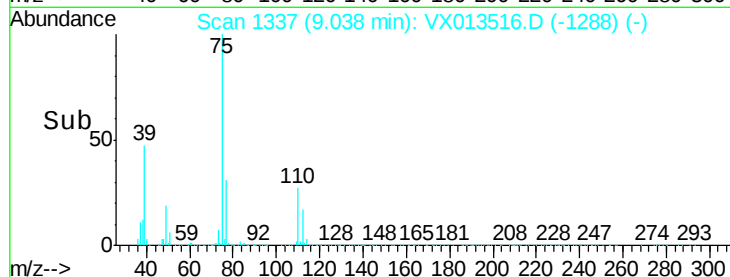
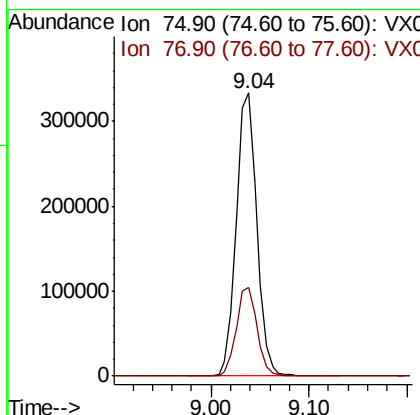
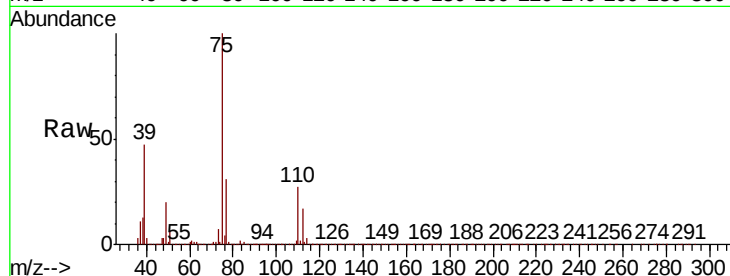
#53
t-1,3-Dichloropropene
Concen: 50.829 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4

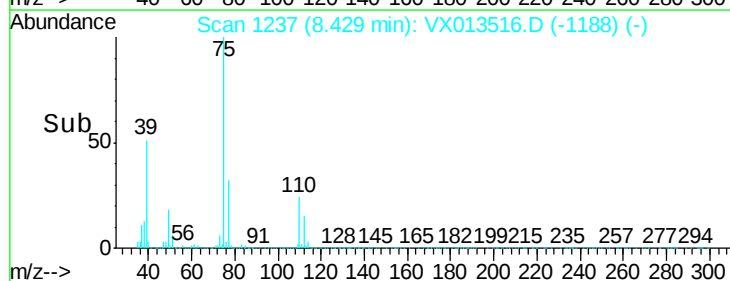
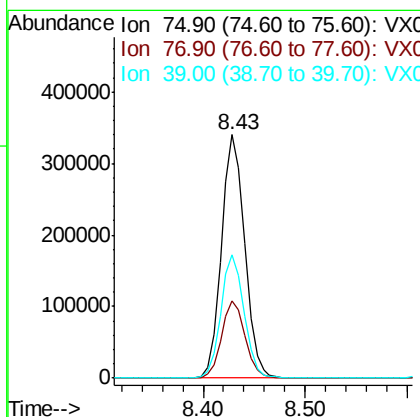
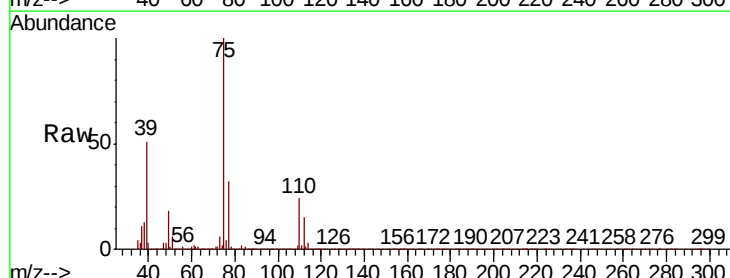
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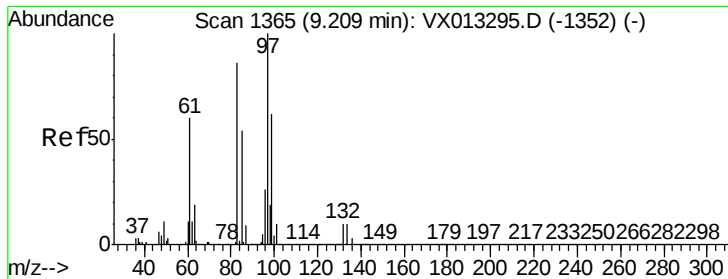
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#54
cis-1,3-Dichloropropene
Concen: 50.105 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	50.5	43.0	64.6





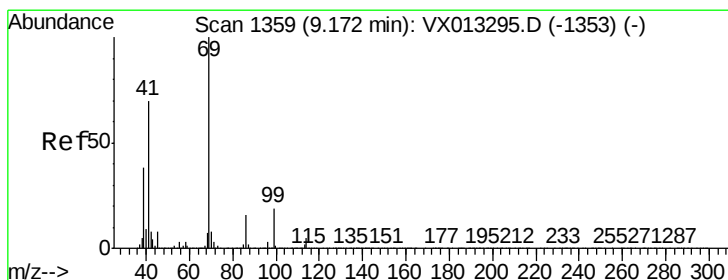
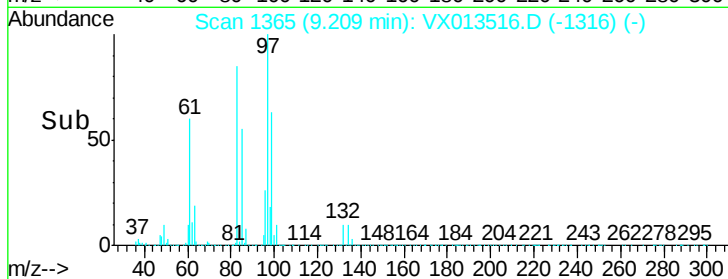
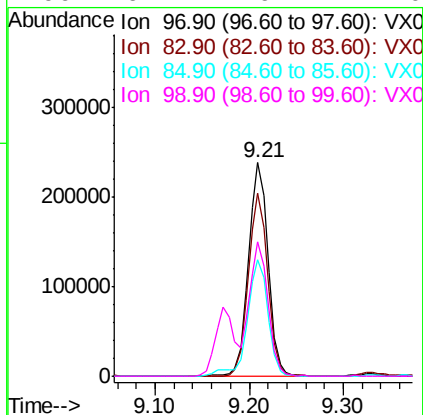
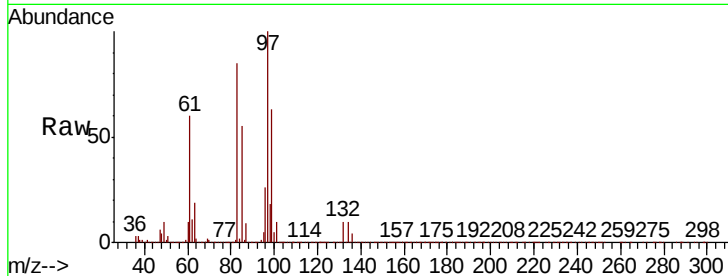
#55
 1,1,2-Trichloroethane
 Concen: 50.413 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	85.4	68.6	103.0		
85	54.6	43.1	64.7		
99	62.7	49.4	74.0		

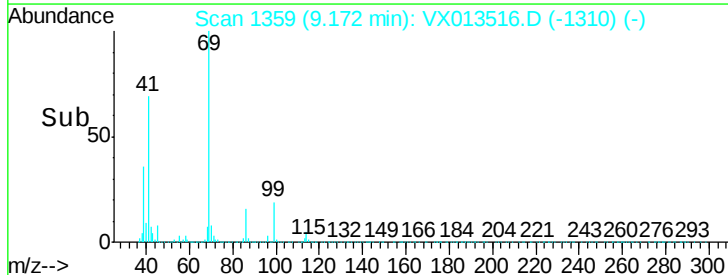
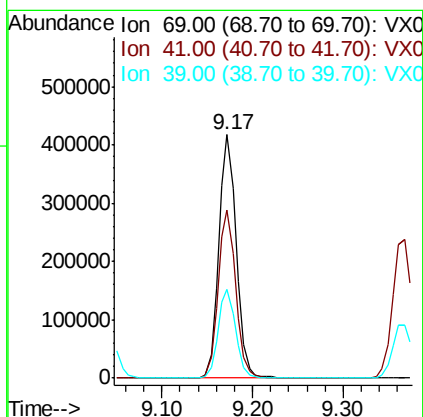
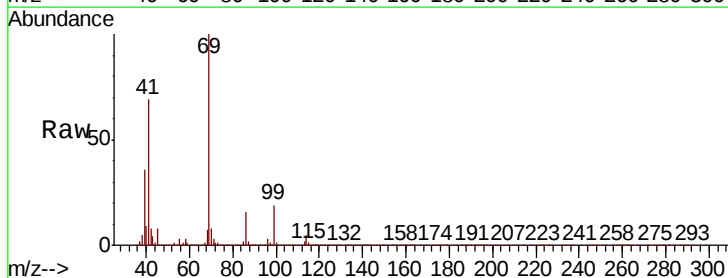
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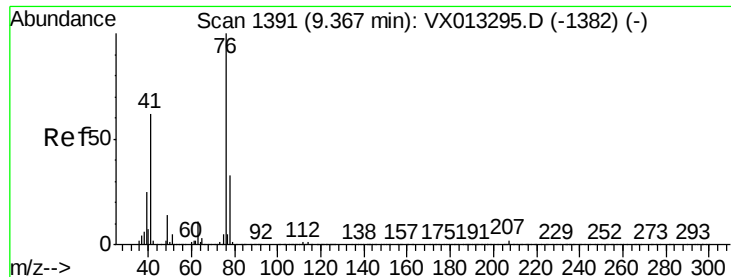
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#56
 Ethyl methacrylate
 Concen: 47.688 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	69.4	56.2	84.2		
39	36.4	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 50.135 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MS

Tot Ion: 76 Resp: 586245

Ion Ratio Lower Upper

76 100

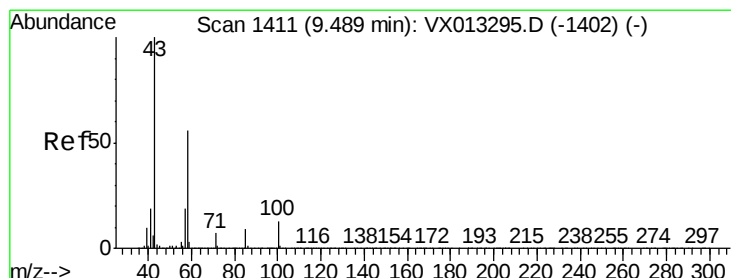
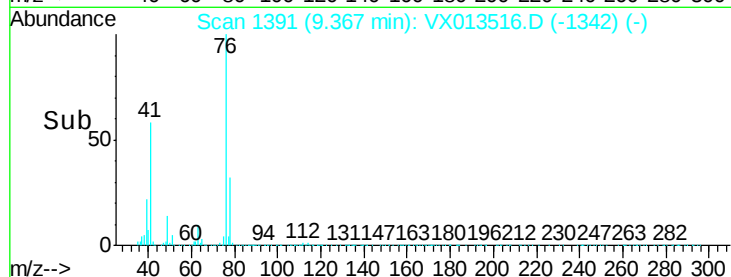
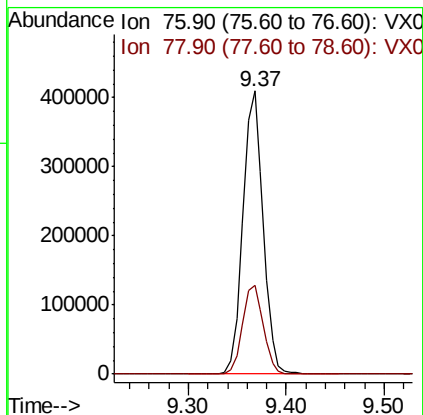
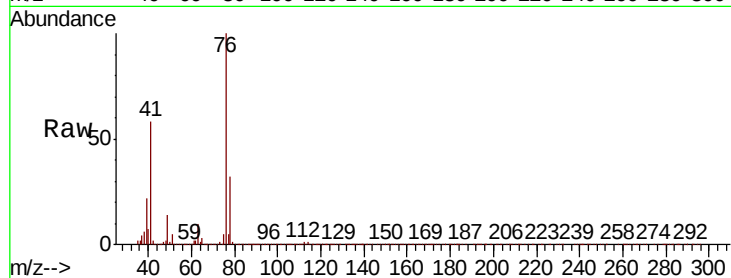
78 32.0 25.8 38.6

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#59

2-Hexanone

Concen: 246.387 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX013516.D

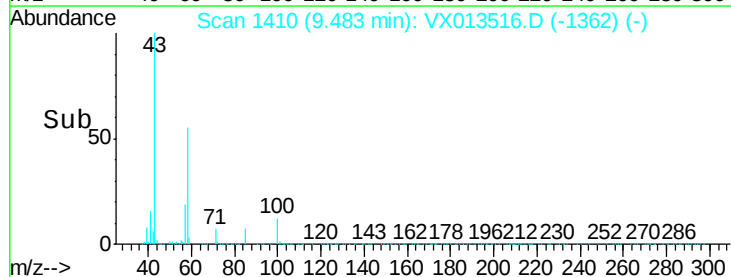
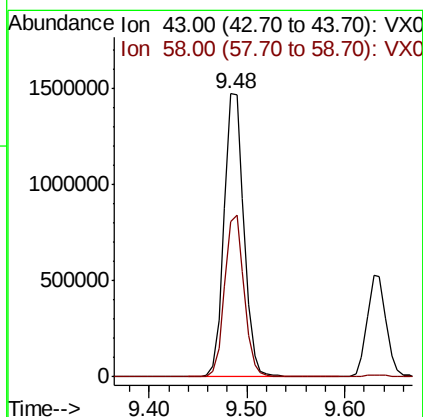
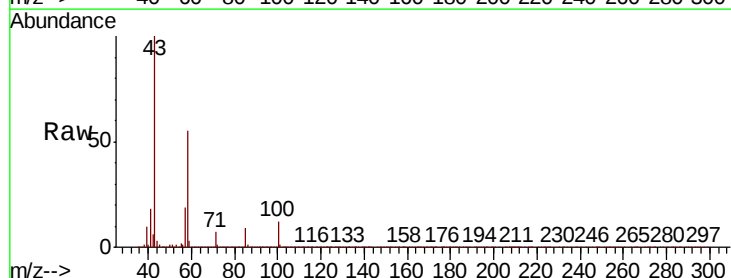
Acq: 21 Nov 2019 20:16

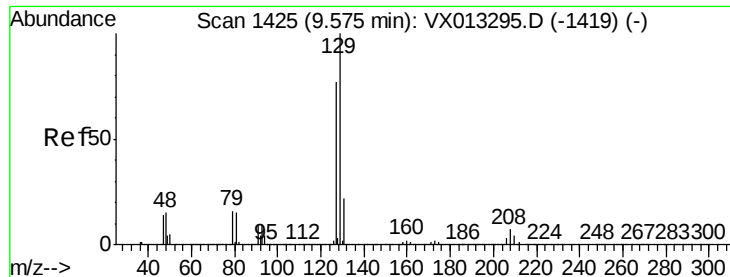
Tgt Ion: 43 Resp: 2069077

Ion Ratio Lower Upper

43 100

58 56.1 27.3 81.8





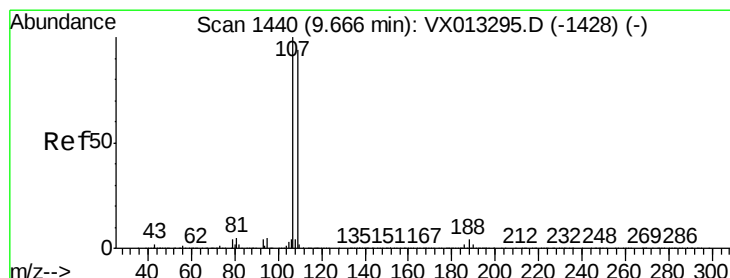
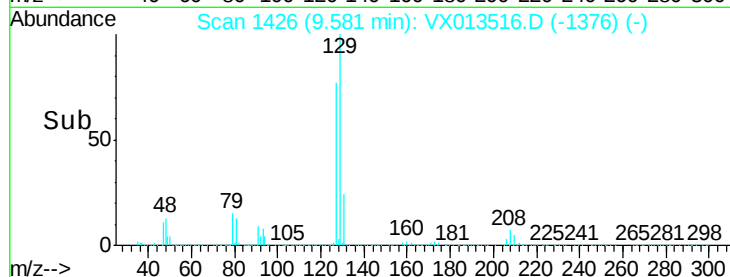
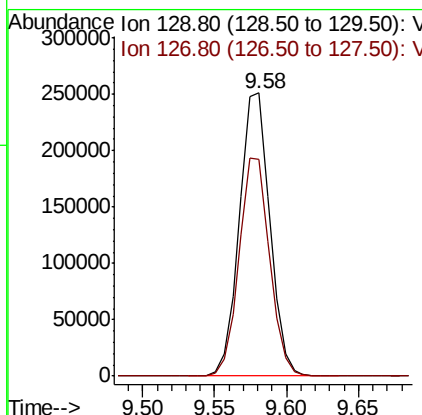
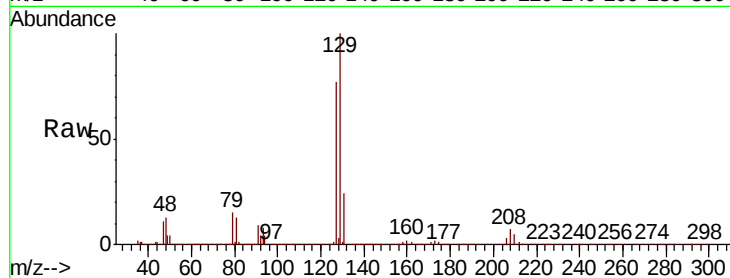
#60
Dibromochloromethane
Concen: 52.464 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.2

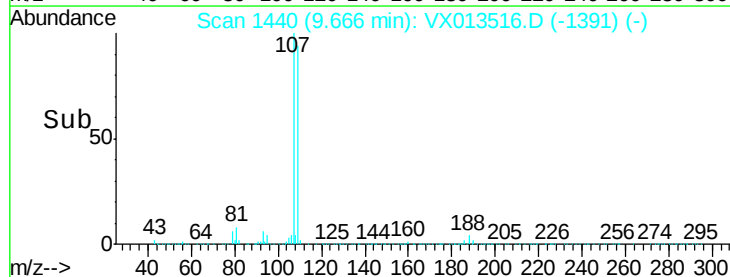
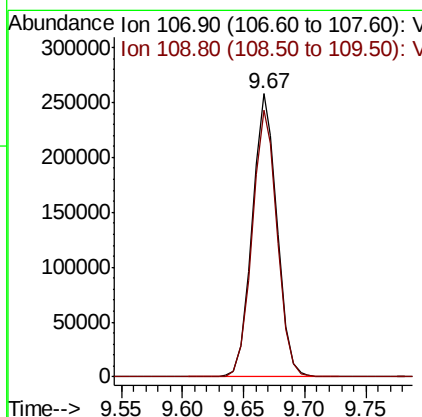
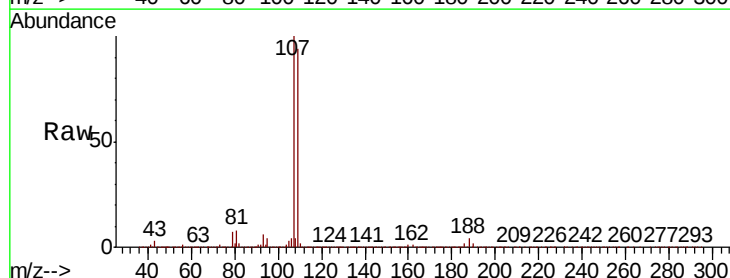
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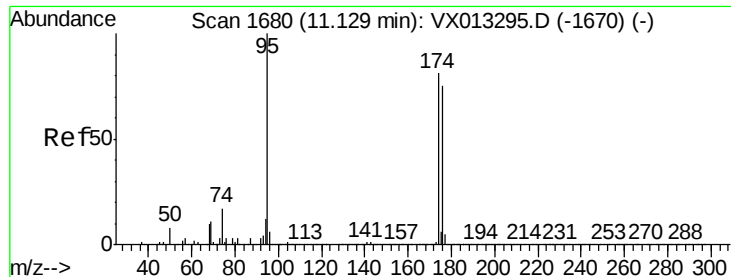
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#61
1,2-Dibromoethane
Concen: 49.868 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.1	112.7





#62

4-Bromofluorobenzene

Concen: 47.041 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

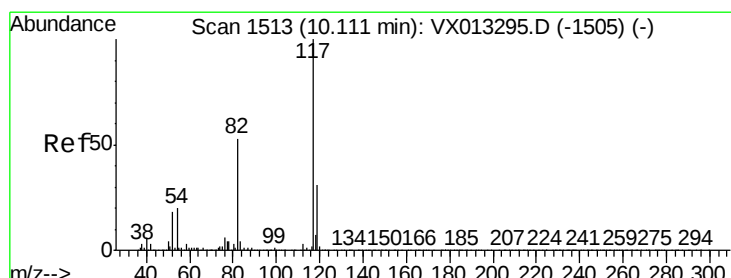
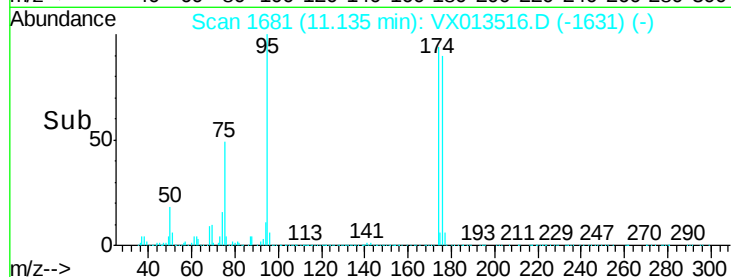
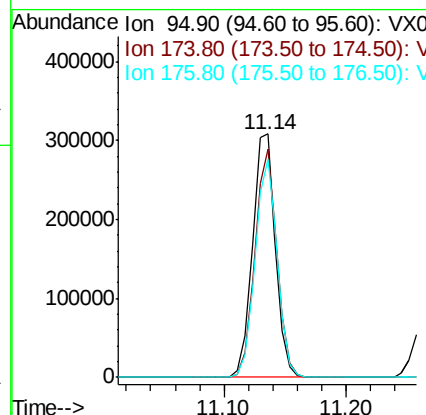
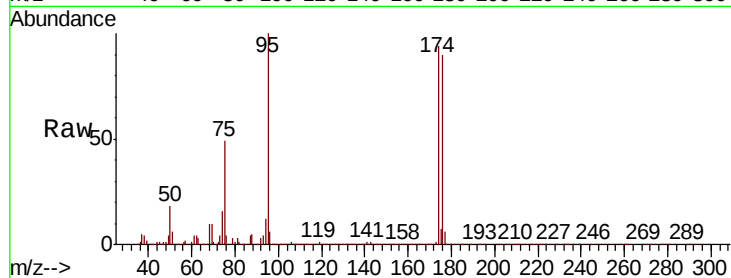
ClientSampleId :

15BR-20191120MS

Tot Ion:	95	Resp:	402807
Ion Ratio	Lower	Upper	
95	100		
174	90.2	0.0	179.8
176	86.9	0.0	173.0

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

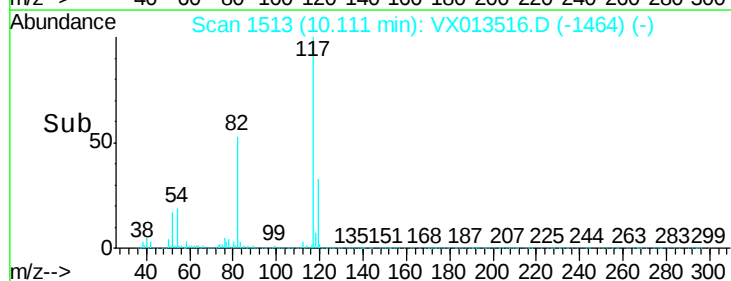
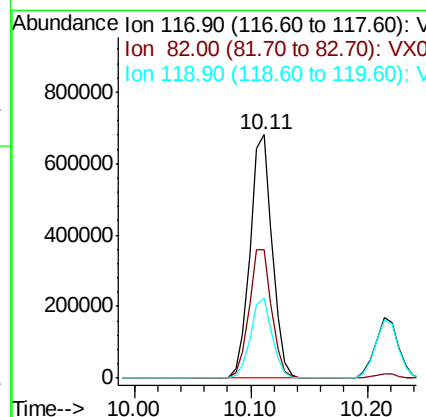
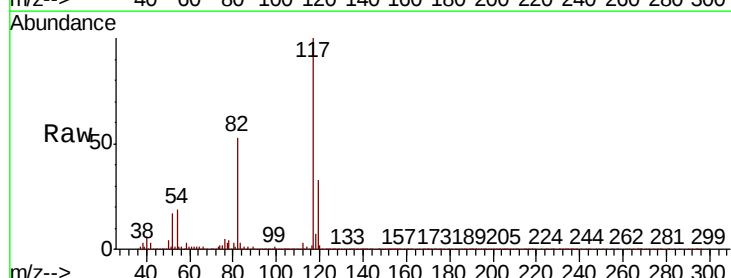
RT: 10.11 min Scan# 1513

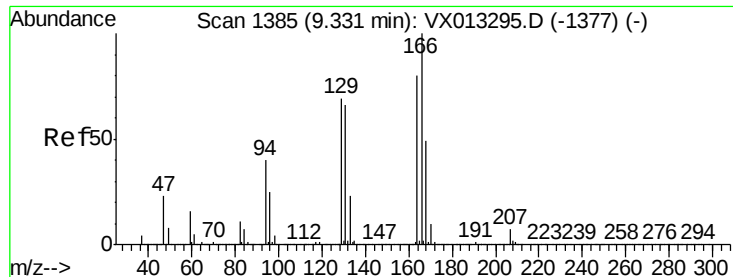
Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Tgt Ion:	117	Resp:	903638
Ion Ratio	Lower	Upper	
117	100		
82	52.5	42.6	64.0
119	32.9	24.8	37.2





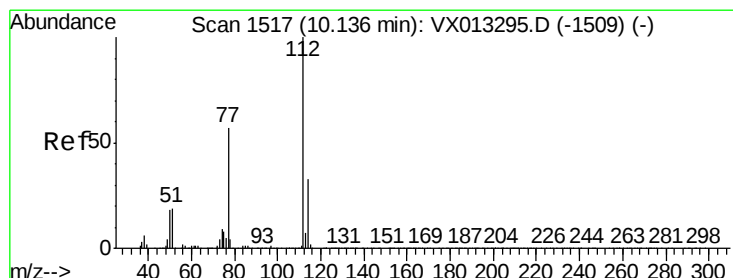
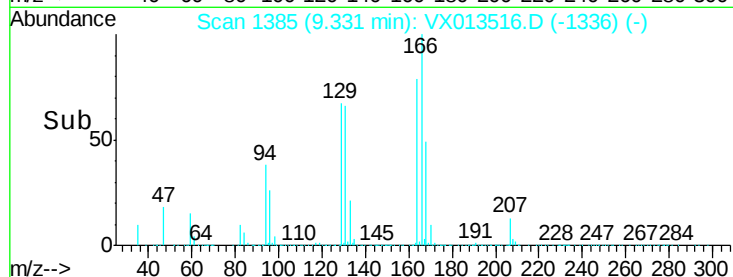
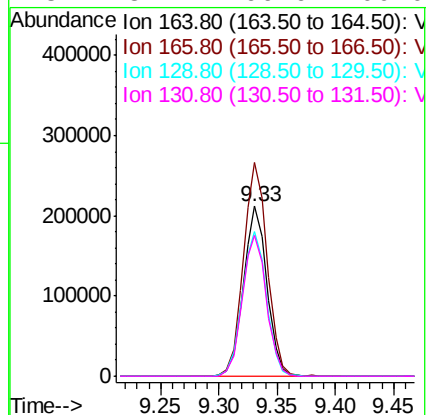
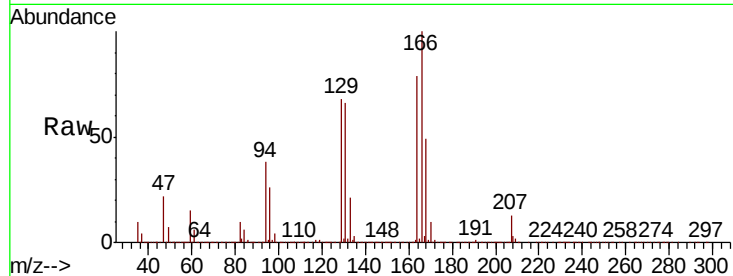
#64
Tetrachloroethene
Concen: 45.968 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.4	150.6
129	85.0	69.4	104.2
131	82.7	66.6	100.0

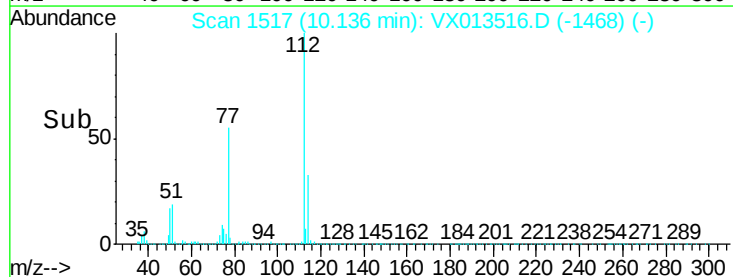
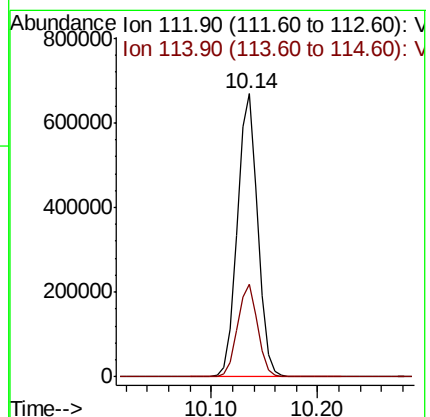
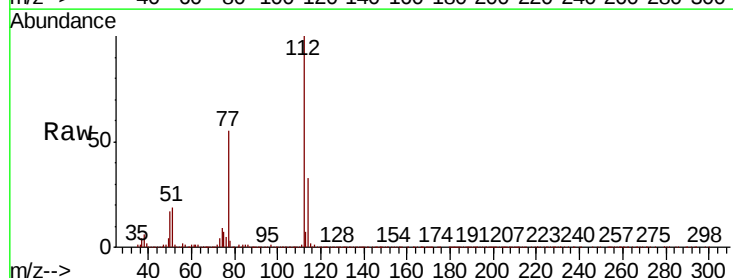
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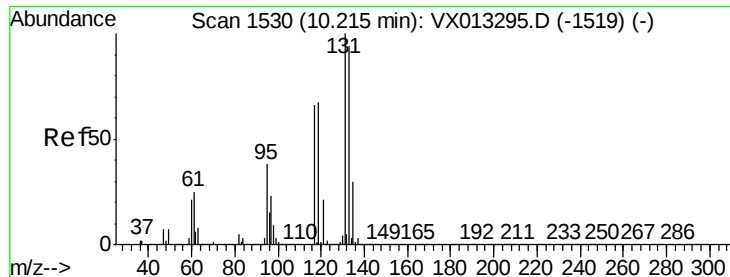
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#65
Chlorobenzene
Concen: 48.981 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.4	39.6





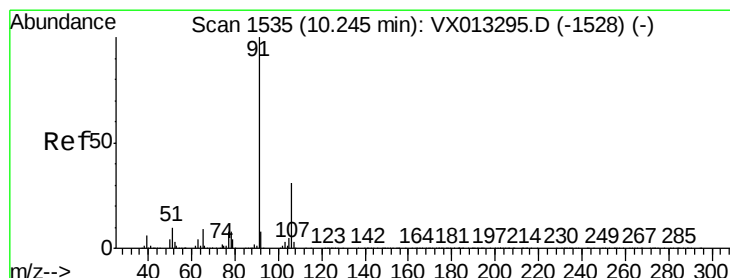
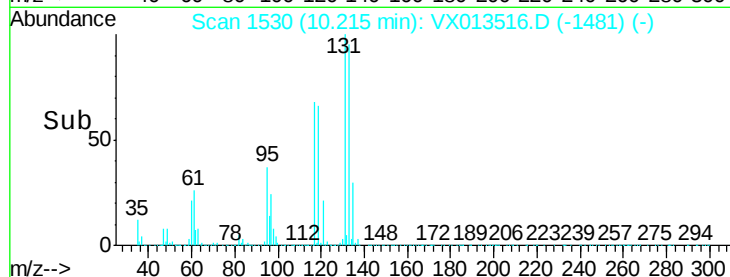
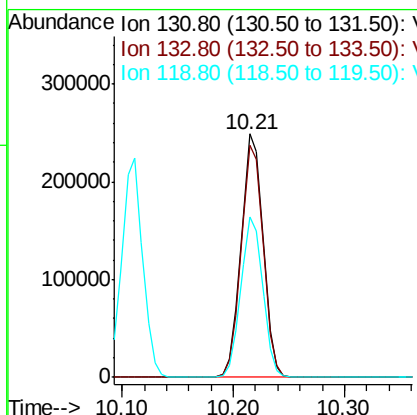
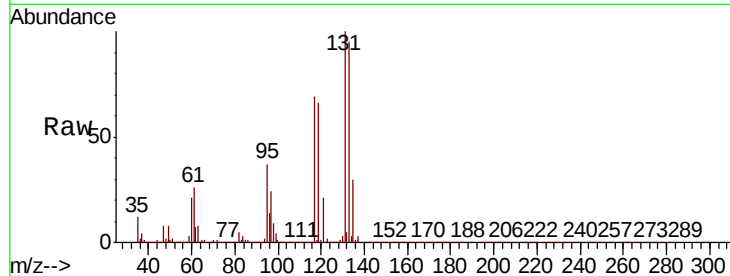
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.901 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.0	144.0
119	65.7	33.0	99.0

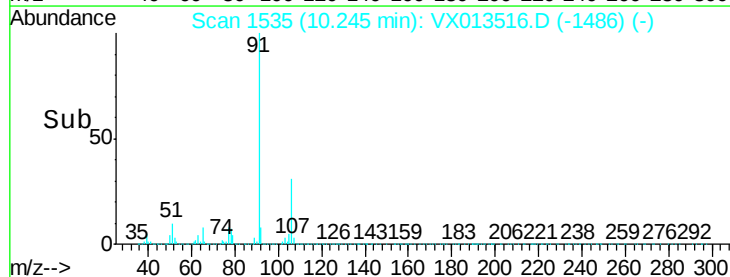
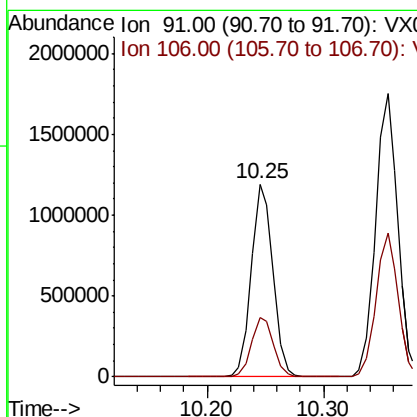
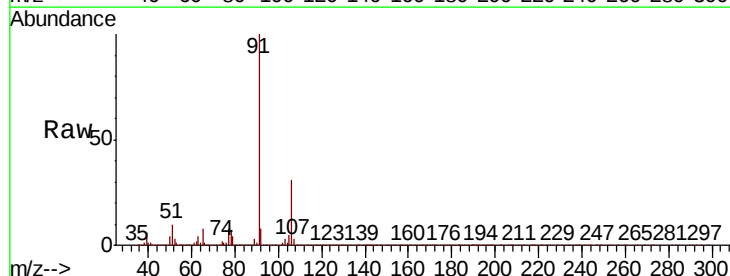
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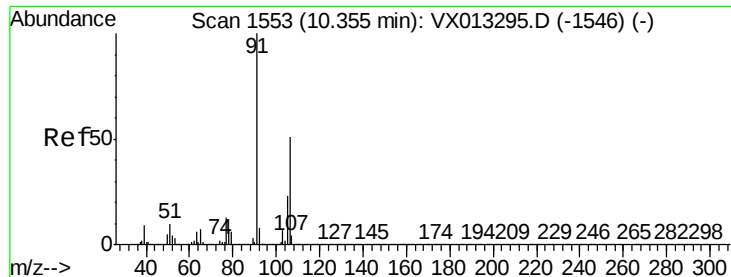
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 11/22/2019 8:43:56 AM



#67
 Ethyl Benzene
 Concen: 49.024 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.6	36.8





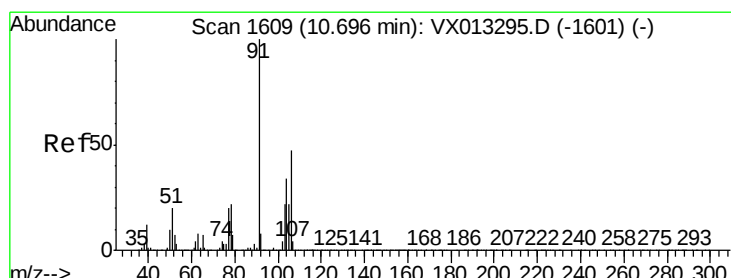
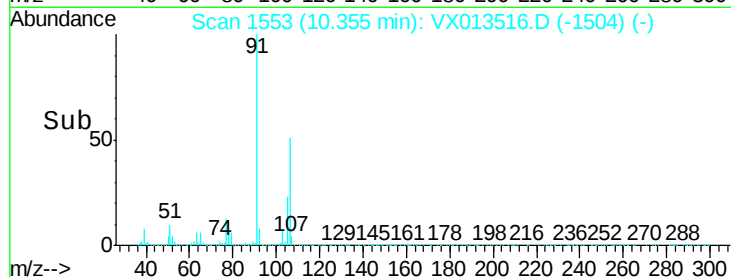
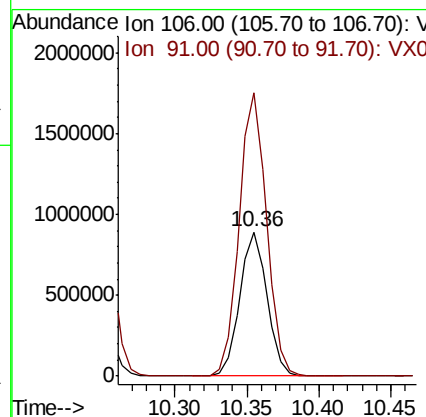
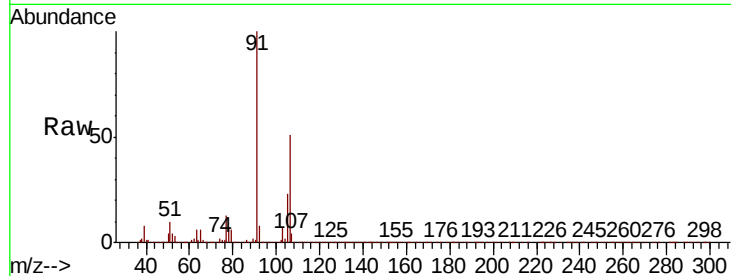
#68
m/p-Xylenes
Concen: 98.147 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion:106 Resp: 1171996
Ion Ratio Lower Upper
106 100
91 198.0 159.3 238.9

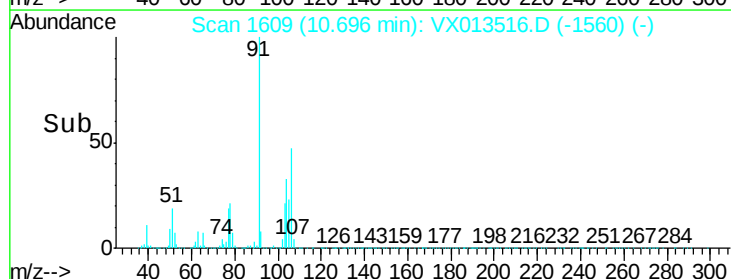
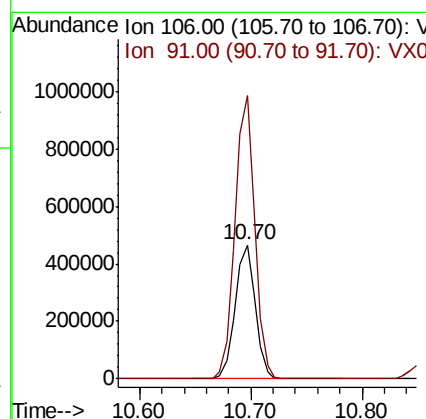
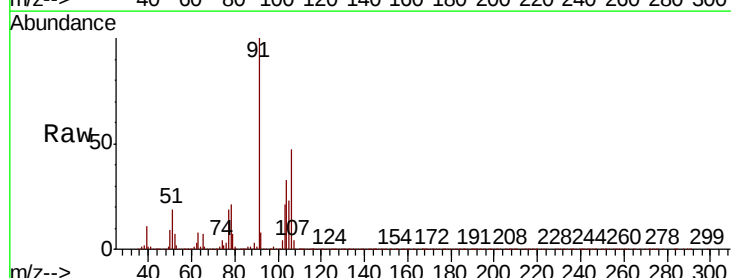
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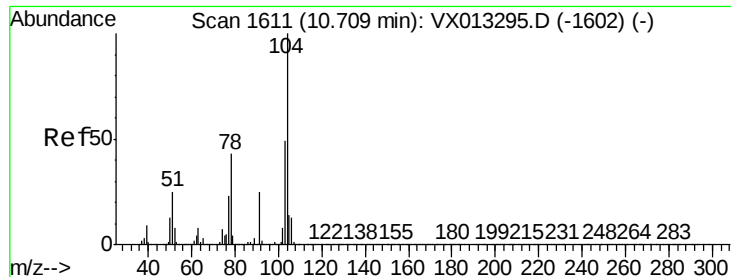
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#69
o-Xylene
Concen: 49.611 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion:106 Resp: 579997
Ion Ratio Lower Upper
106 100
91 208.7 105.7 317.0





#70

Stvrene

Concen: 51.020 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

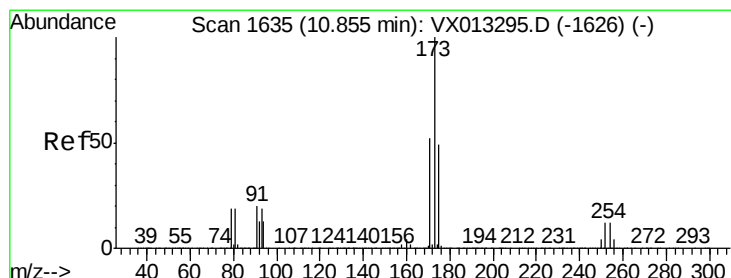
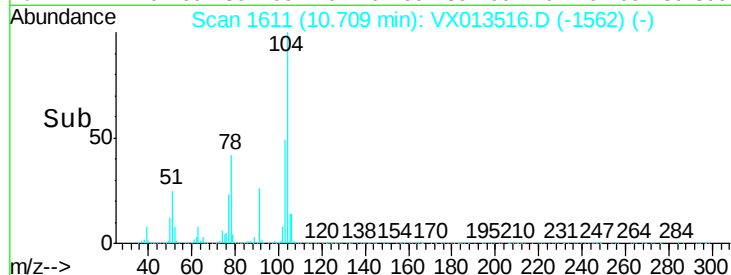
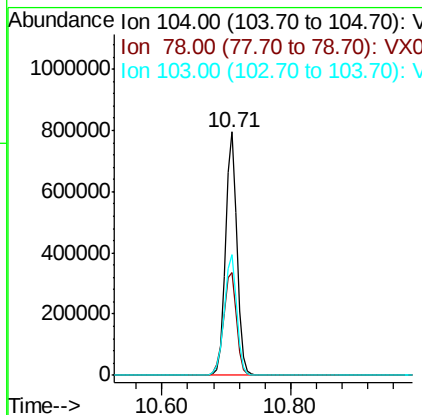
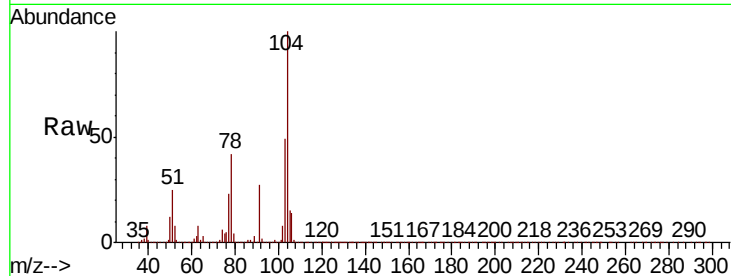
ClientSampleId :

15BR-20191120MS

Tot Ion:	104	Resp:	997055
Ion Ratio		Lower	Upper
104	100		
78	48.3	40.0	60.0
103	54.4	44.1	66.1

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#71

Bromoform

Concen: 46.467 ug/l

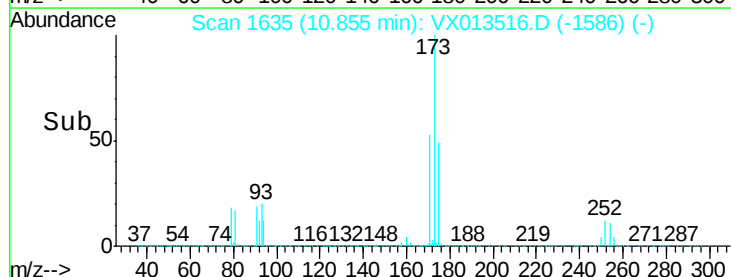
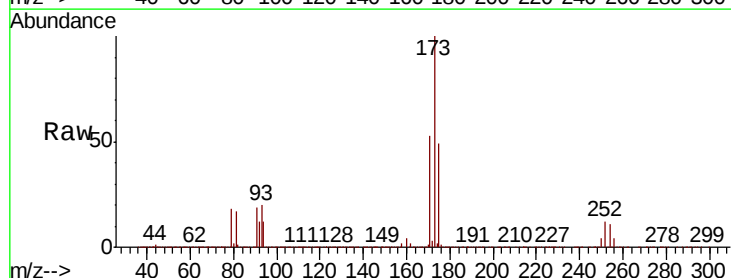
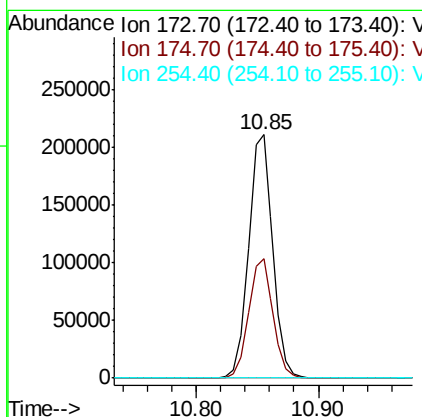
RT: 10.85 min Scan# 1635

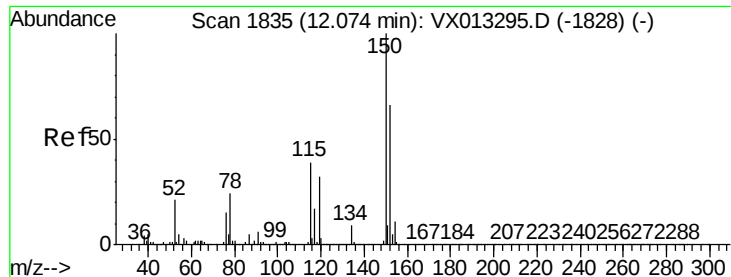
Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Tgt Ion:	173	Resp:	287902
Ion Ratio		Lower	Upper
173	100		
175	49.3	24.8	74.4
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

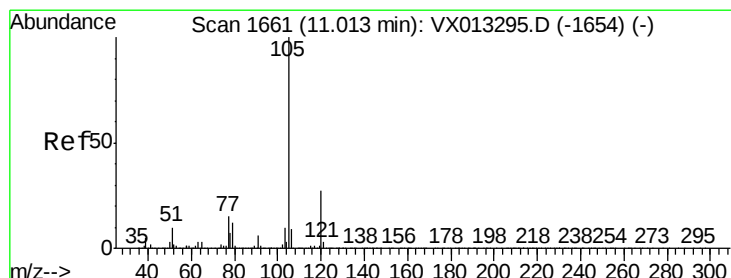
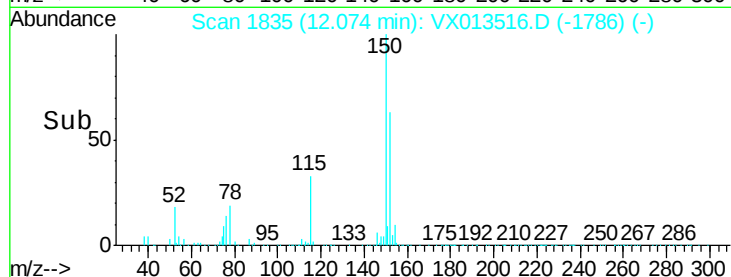
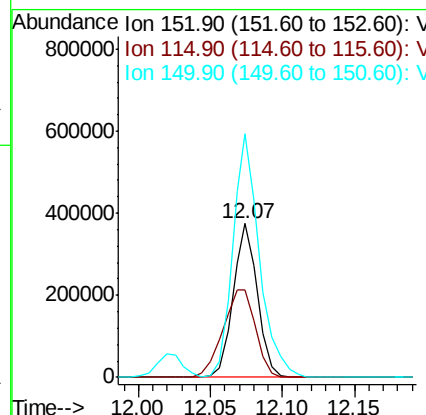
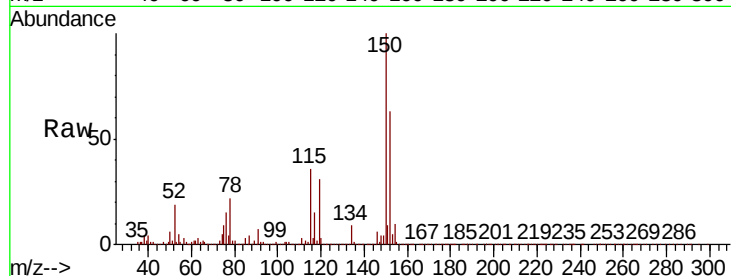
ClientSampleId :

15BR-20191120MS

Tot Ion:	152	Resp:	442119
Ion Ratio	Lower	Upper	
152	100		
115	76.8	39.5	118.3
150	172.9	0.0	344.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 51.759 ug/l

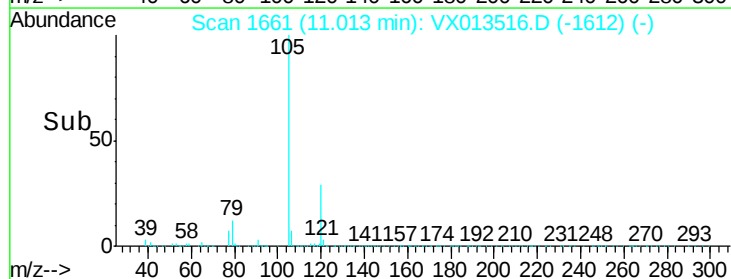
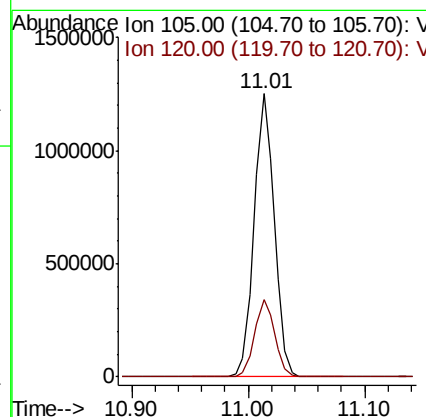
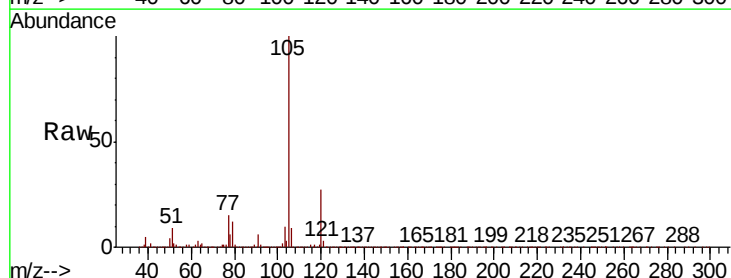
RT: 11.01 min Scan# 1661

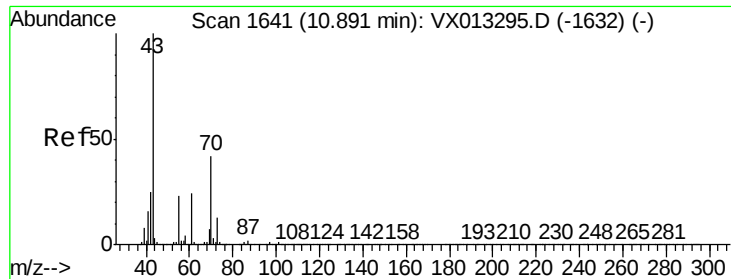
Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Tgt Ion:	105	Resp:	1517218
Ion Ratio	Lower	Upper	
105	100		
120	27.2	13.5	40.5





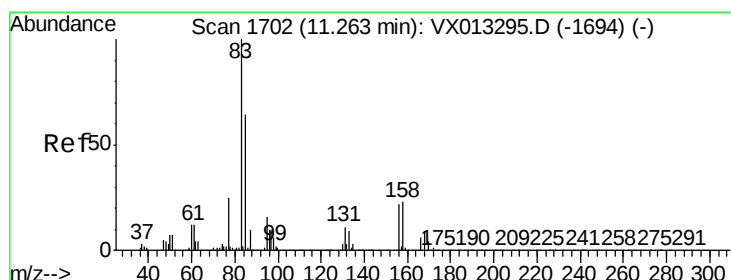
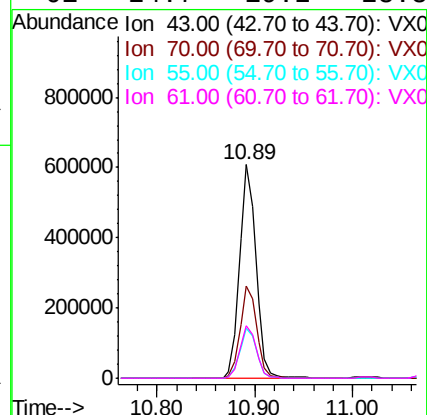
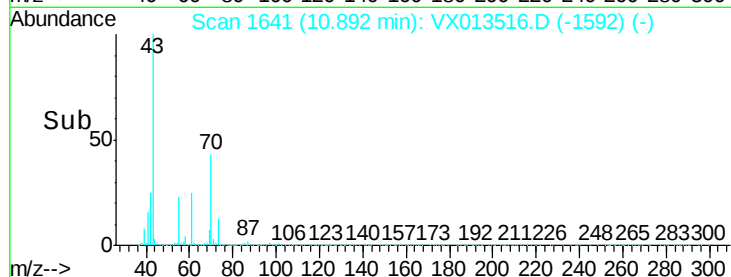
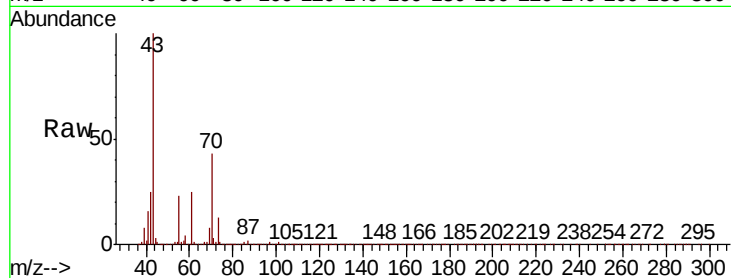
#74
N-amvl acetate
Concen: 52.244 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	43.6	34.1	51.1
55	23.9	18.9	28.3
61	24.7	19.2	28.8

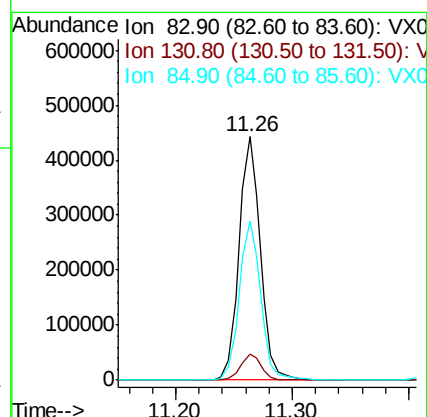
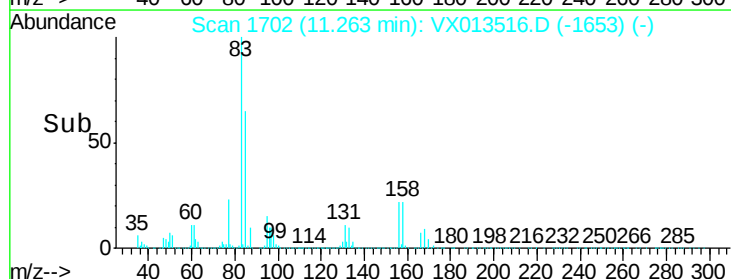
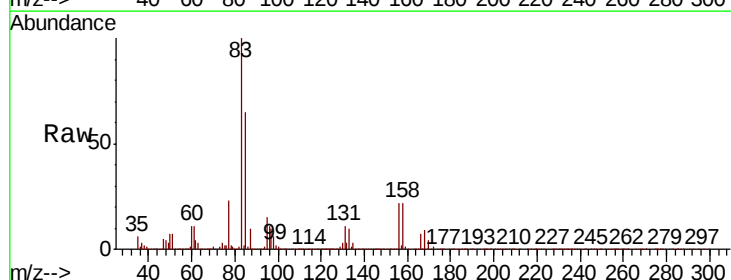
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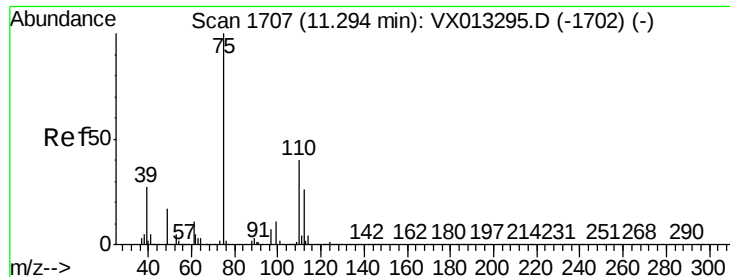
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#75
1,1,2,2-Tetrachloroethane
Concen: 52.892 ug/l
RT: 11.26 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.3
85	65.5	32.3	96.8





#76

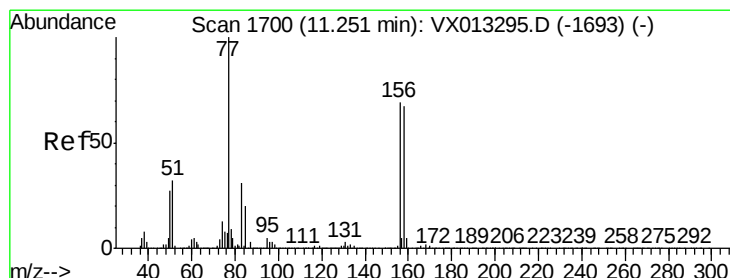
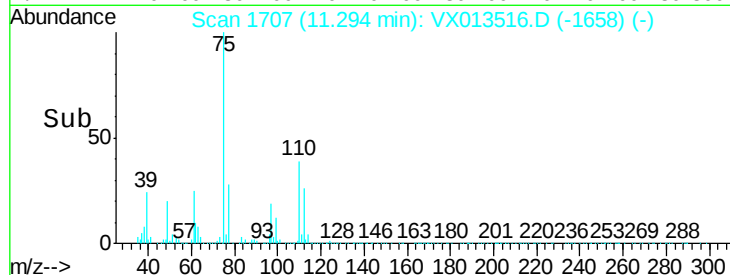
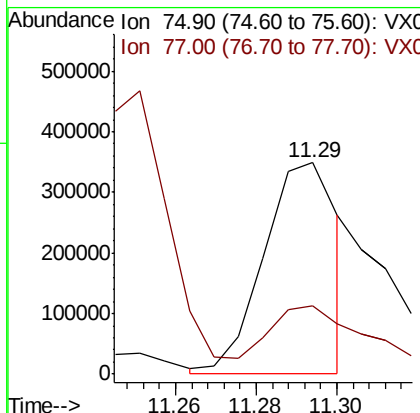
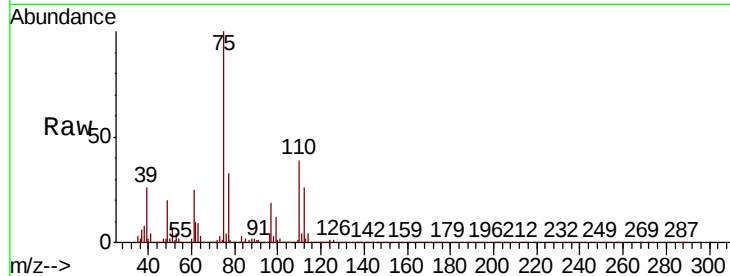
1,2,3-Trichloropropane
Concen: 49.381 ug/l m
RT: 11.29 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	43.6	22.3	66.8

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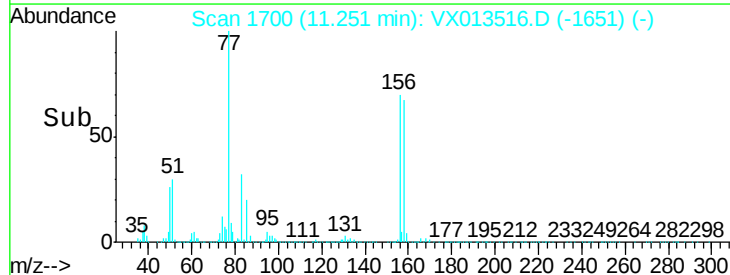
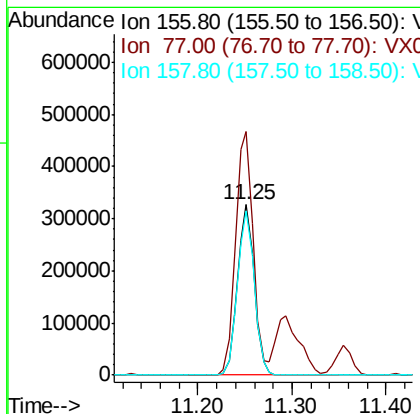
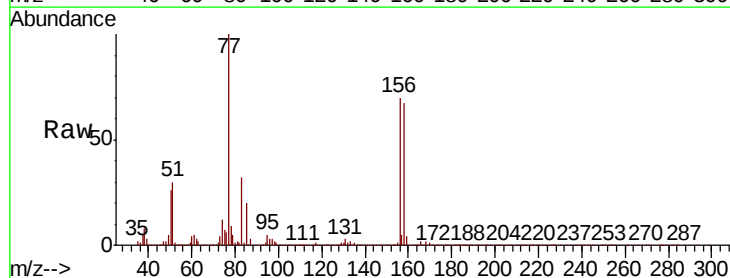
MMDadoda
11/22/2019 8:43:56 AM

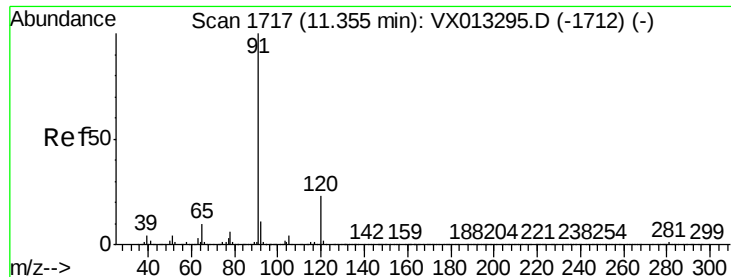


#77

Bromobenzene
Concen: 51.507 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
156	100		
77	150.6	75.8	227.4
158	97.7	47.6	142.8





#78

n-propylbenzene

Concen: 51.526 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MS

Tot Ion: 91 Resp: 1682490

Ion Ratio Lower Upper

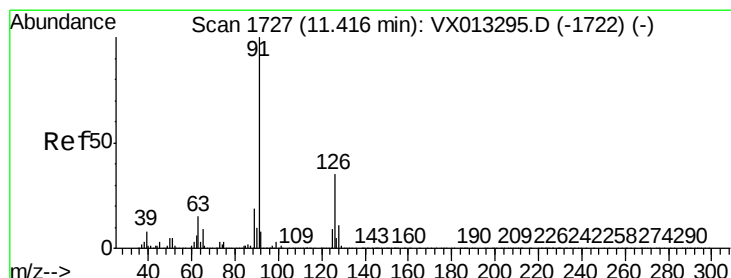
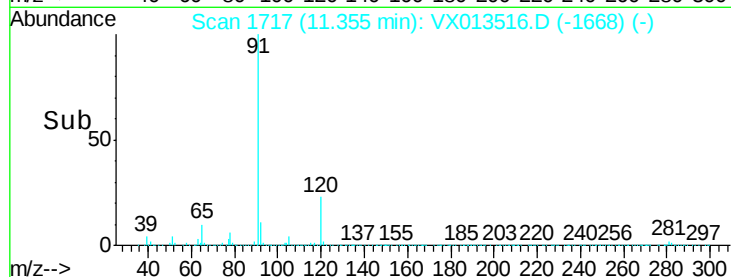
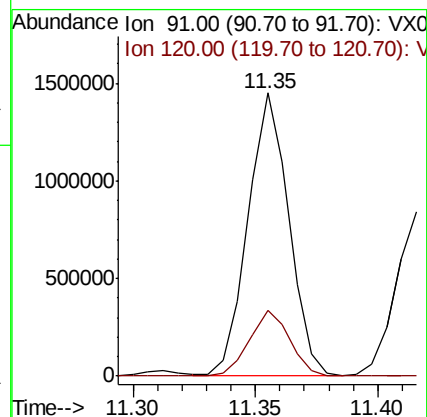
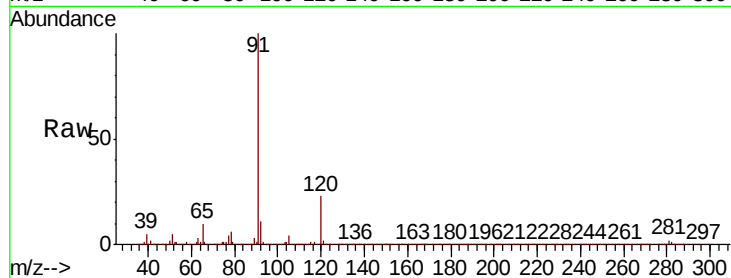
91 100

120 23.2 11.6 34.8

Manual Integrations
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#79

2-Chlorotoluene

Concen: 51.191 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013516.D

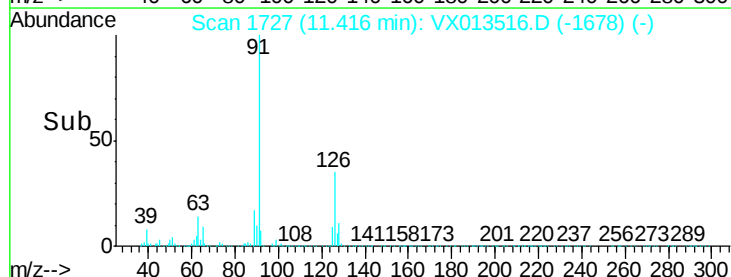
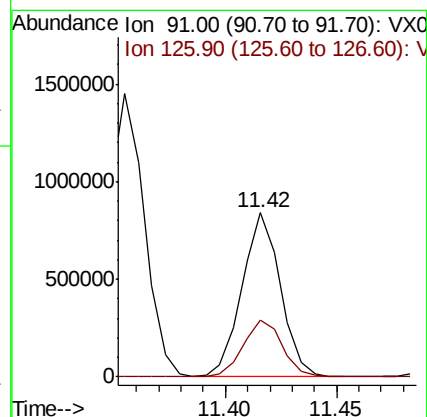
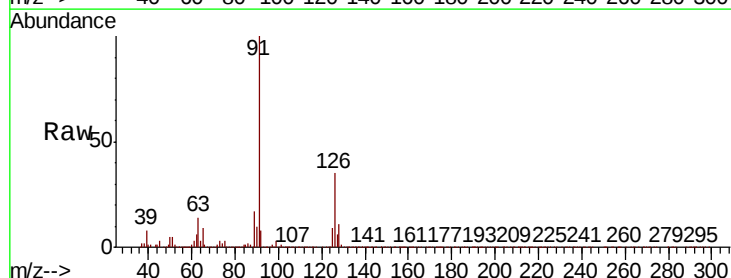
Acq: 21 Nov 2019 20:16

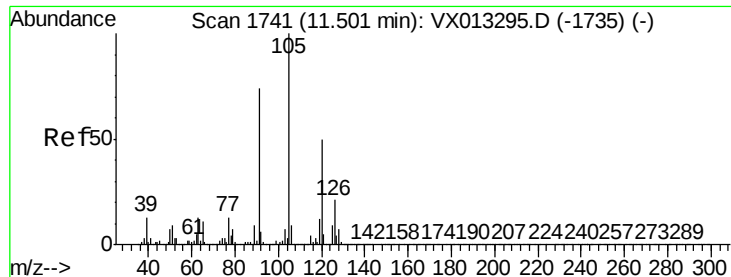
Tgt Ion: 91 Resp: 1007100

Ion Ratio Lower Upper

91 100

126 35.3 17.3 52.0





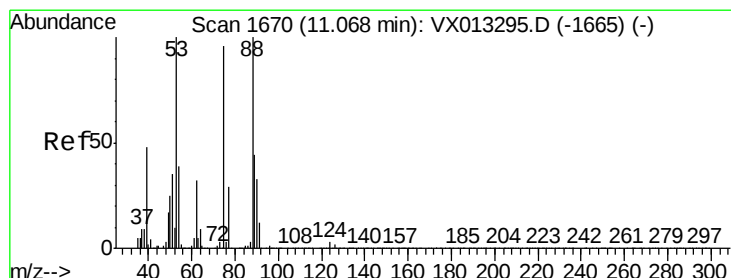
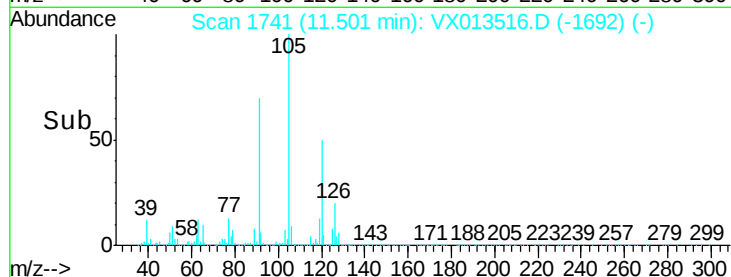
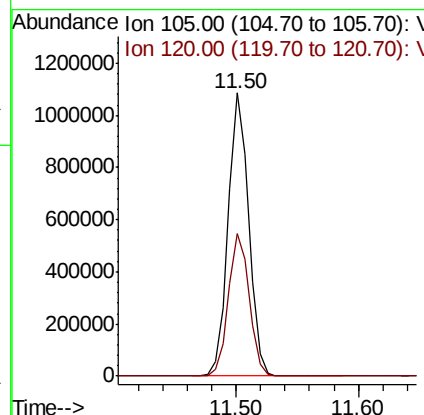
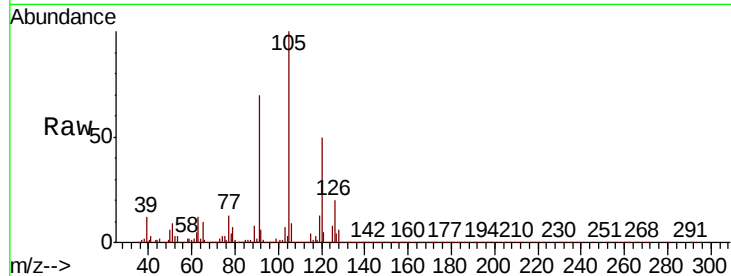
#80
 1,3,5-Trimethylbenzene
 Concen: 51.520 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MS

Tot Ion:105 Resp: 1257939
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.9 74.8

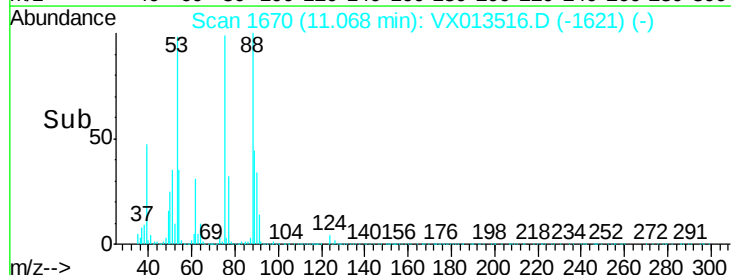
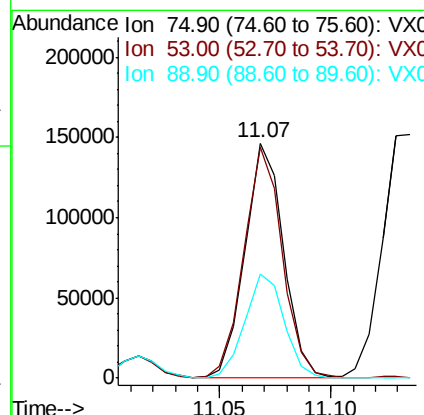
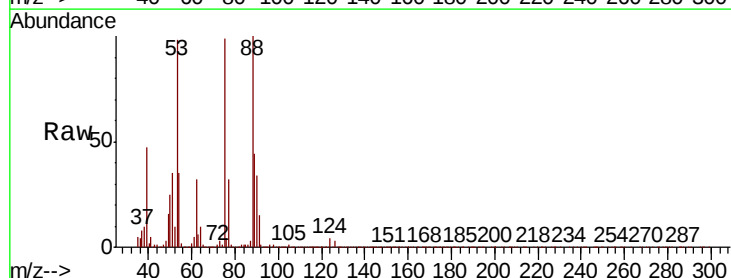
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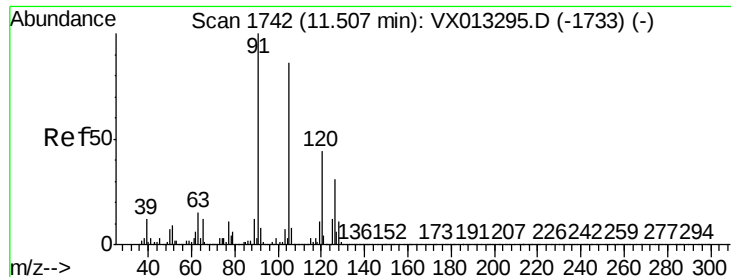
MMDadoda
 11/22/2019 8:43:56 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.718 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Tgt Ion: 75 Resp: 176945
 Ion Ratio Lower Upper
 75 100
 53 97.6 81.0 121.6
 89 45.7 36.0 54.0





#82

4-Chlorotoluene

Concen: 49.671 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MS

Tot Ion: 91 Resp: 1143912

Ion Ratio Lower Upper

91 100

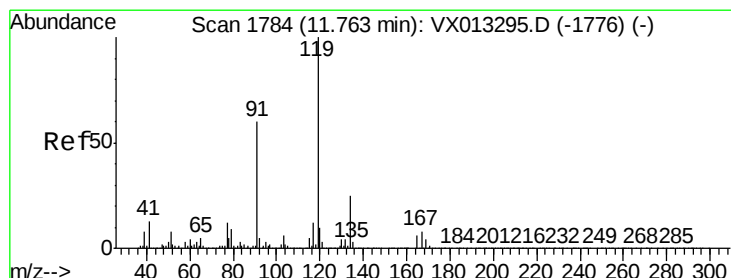
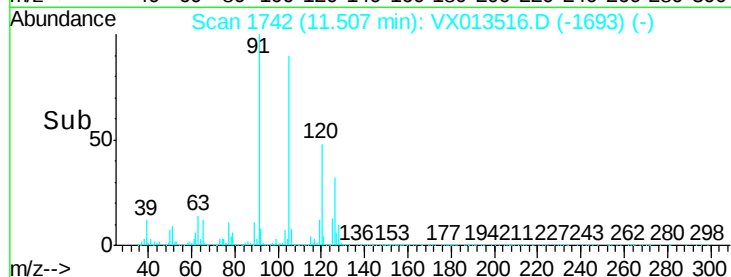
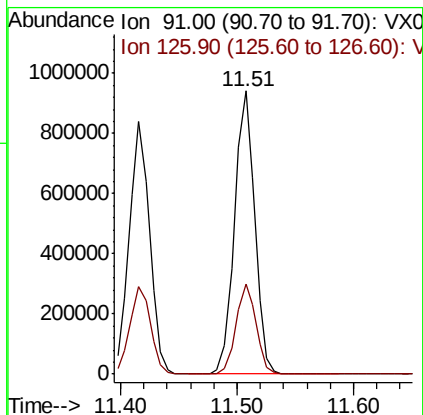
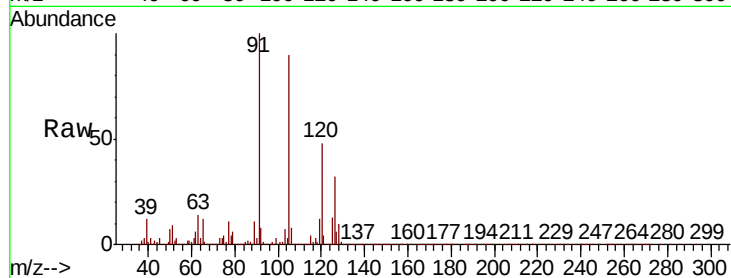
126 31.3 15.3 45.8

Manual Integrations

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#83

tert-Butylbenzene

Concen: 53.165 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

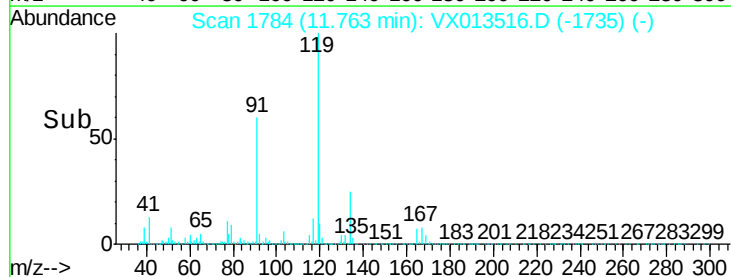
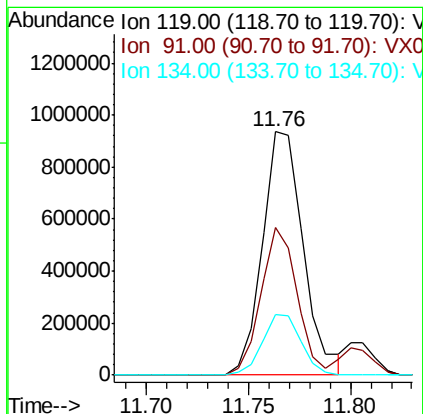
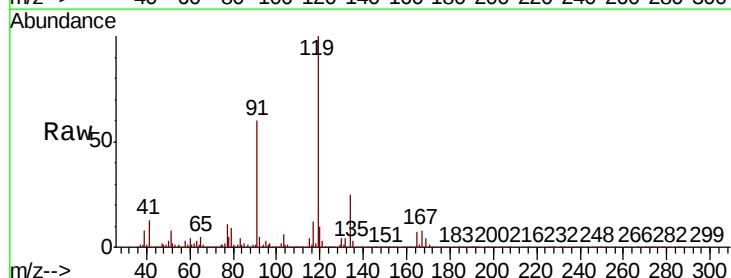
Tgt Ion: 119 Resp: 1306711

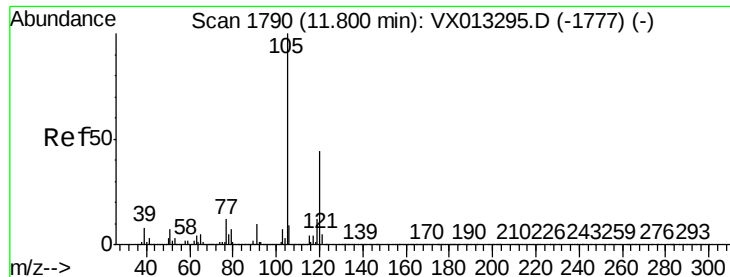
Ion Ratio Lower Upper

119 100

91 53.9 26.9 80.7

134 23.8 11.7 35.1





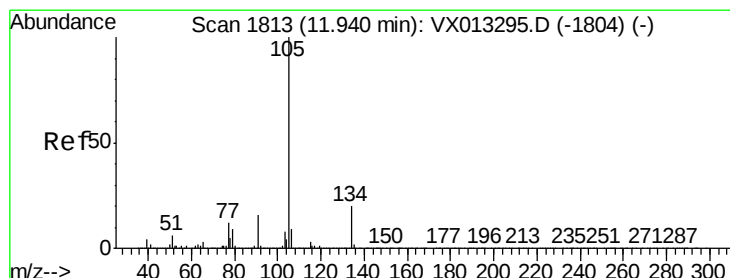
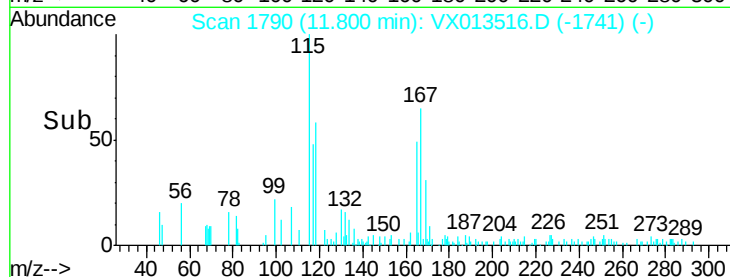
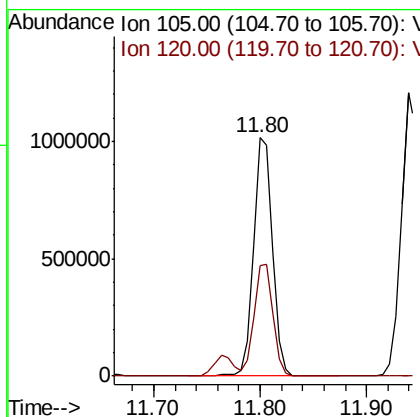
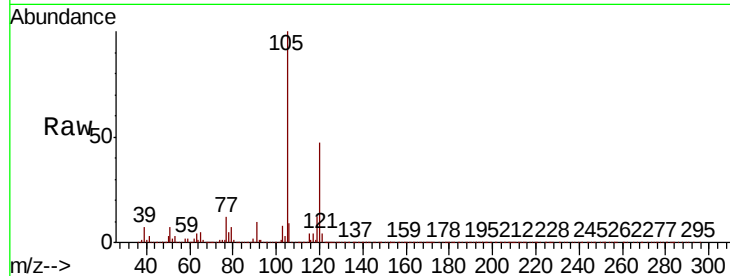
#84
1,2,4-Trimethylbenzene
Concen: 51.565 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion:105 Resp: 1262976
Ion Ratio Lower Upper
105 100
120 46.8 22.7 68.1

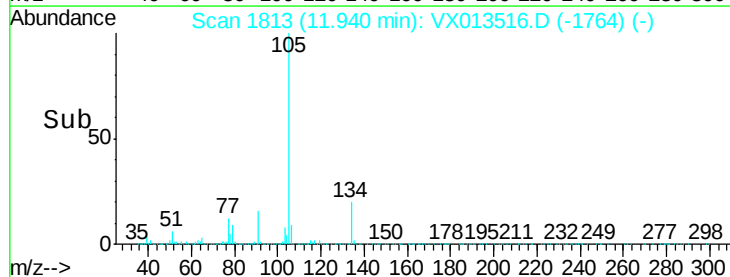
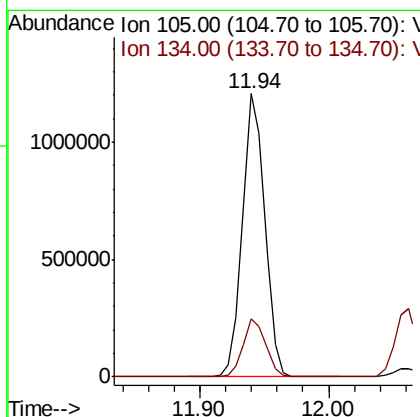
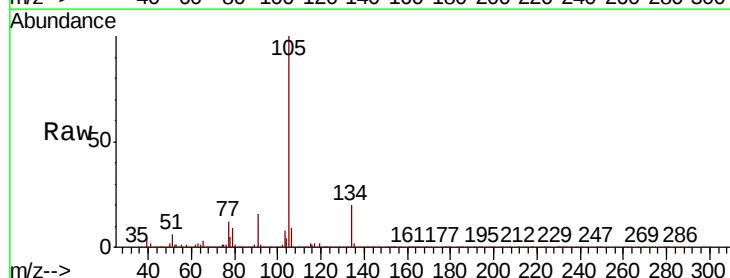
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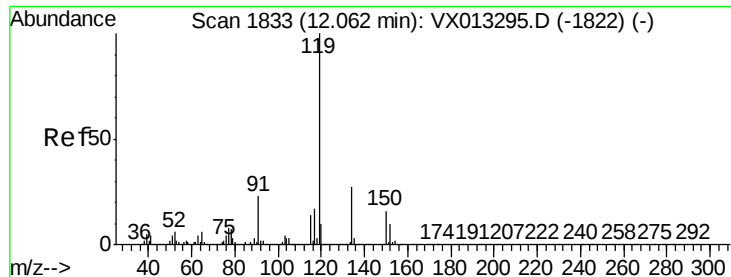
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#85
sec-Butylbenzene
Concen: 51.221 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion:105 Resp: 1446894
Ion Ratio Lower Upper
105 100
134 20.7 10.3 30.9





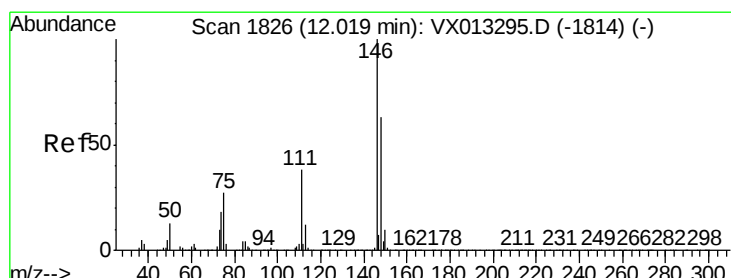
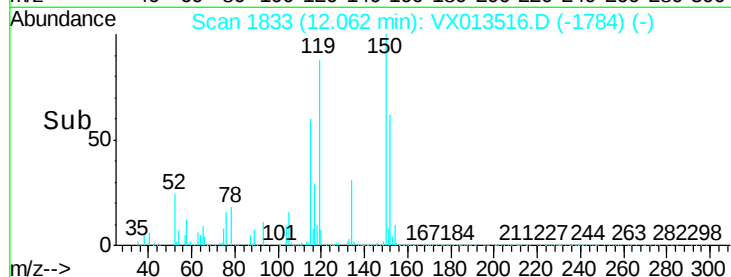
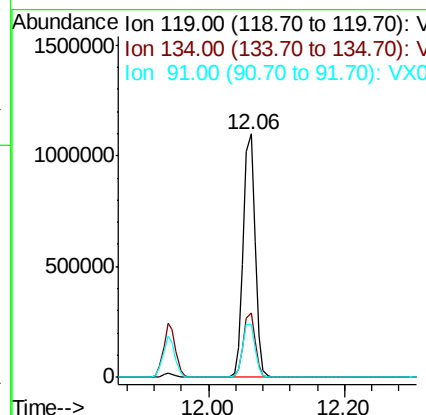
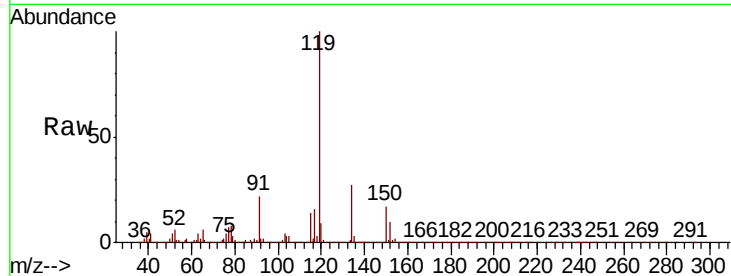
#86
p-Isopropyltoluene
Concen: 51.099 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.8
91	22.6	11.5	34.4

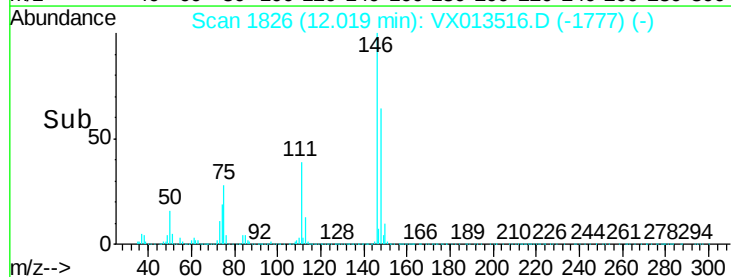
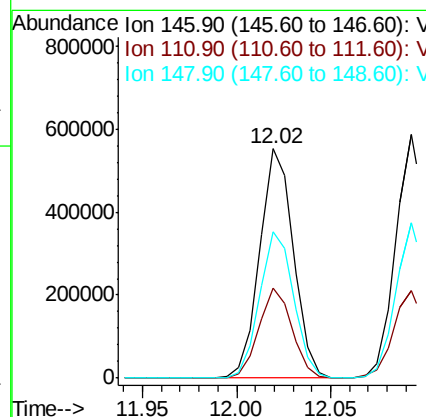
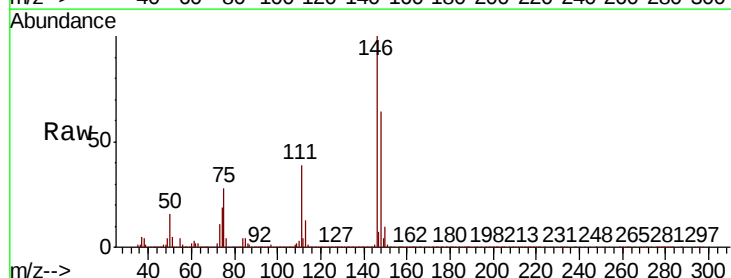
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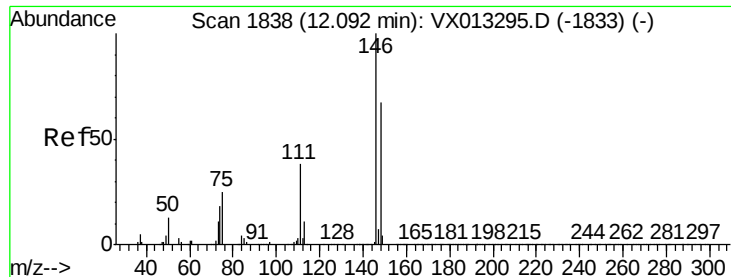
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#87
1,3-Dichlorobenzene
Concen: 49.177 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.5
148	64.6	31.9	95.7





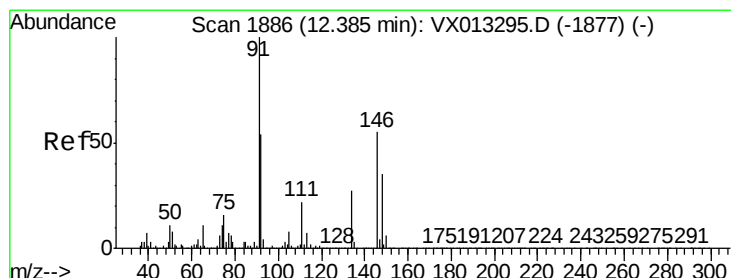
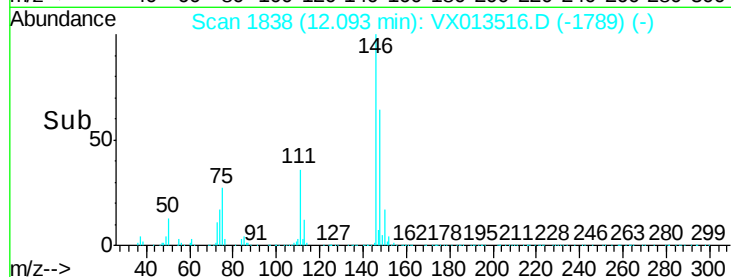
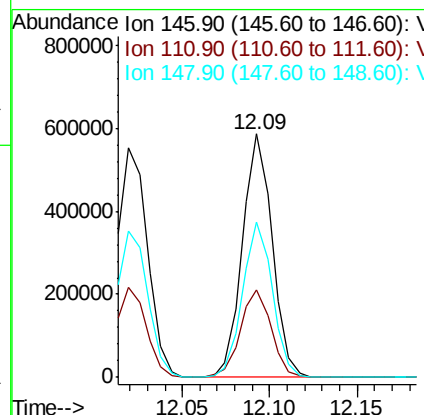
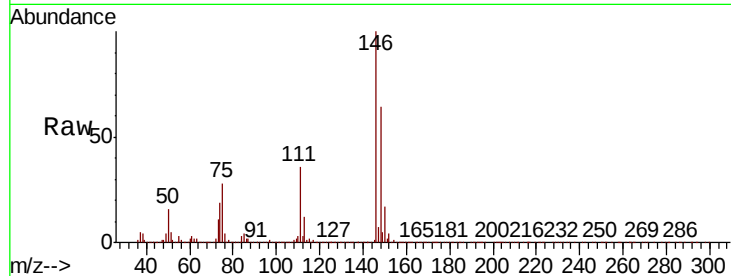
#88
 1,4-Dichlorobenzene
 Concen: 48.927 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	63.8	32.4	97.0

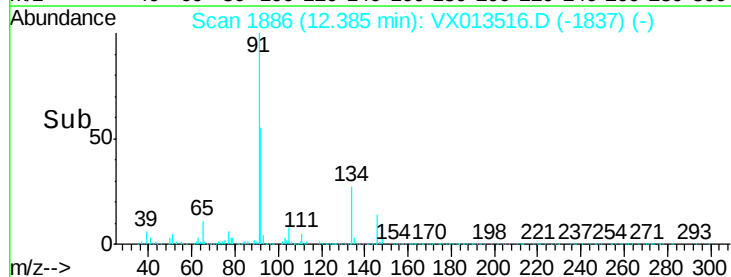
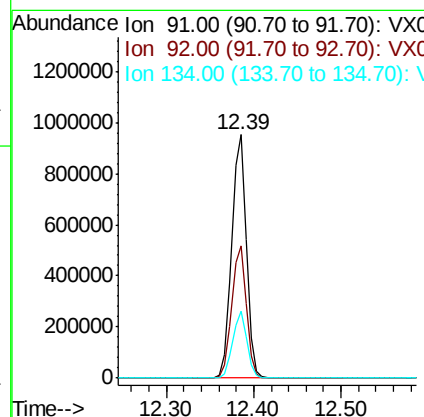
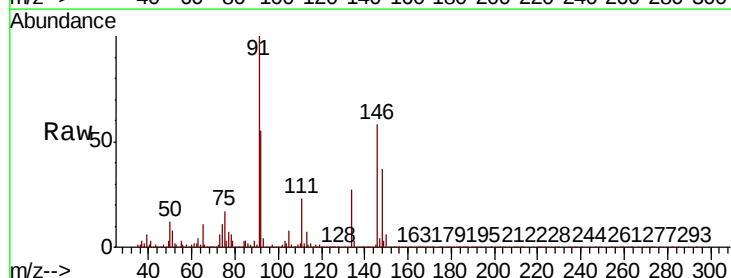
Manual Integrations
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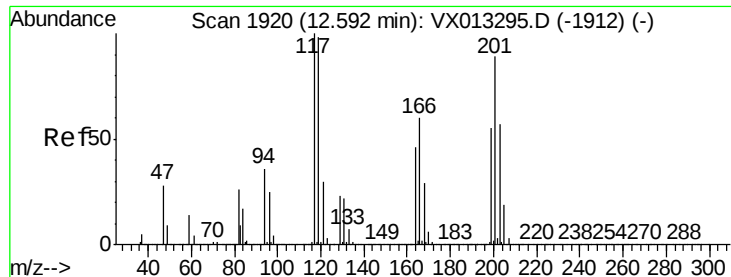
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#89
 n-Butylbenzene
 Concen: 48.286 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.8
134	26.9	13.5	40.5





#90

Hexachloroethane

Concen: 52.626 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120MS

Tot Ion:117 Resp: 243892

Ion Ratio Lower Upper

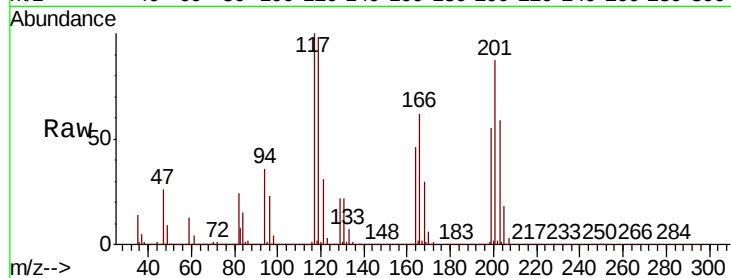
117 100

201 89.3 43.9 131.7

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.59

200000

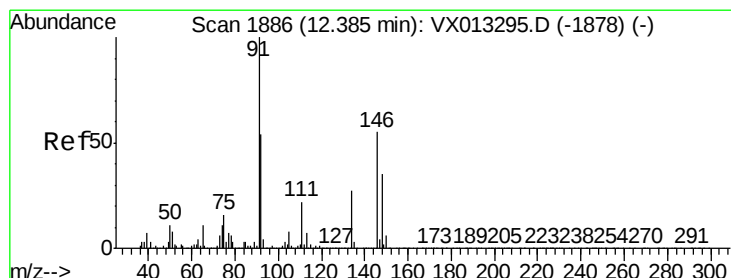
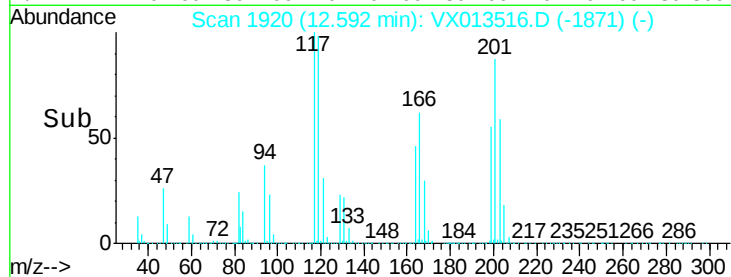
150000

100000

50000

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 50.598 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013516.D

Acq: 21 Nov 2019 20:16

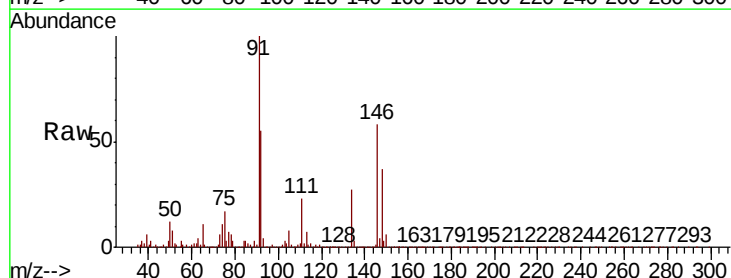
Tgt Ion:146 Resp: 704522

Ion Ratio Lower Upper

146 100

111 39.8 20.1 60.2

148 64.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.39

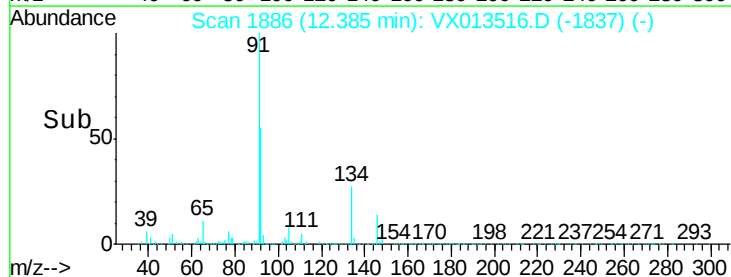
600000

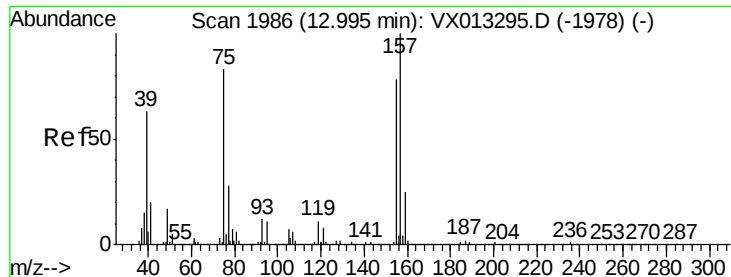
400000

200000

0

Time-->





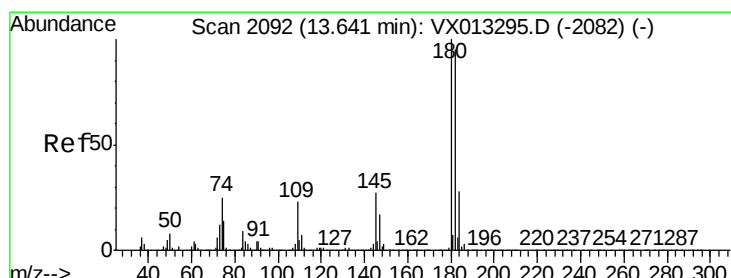
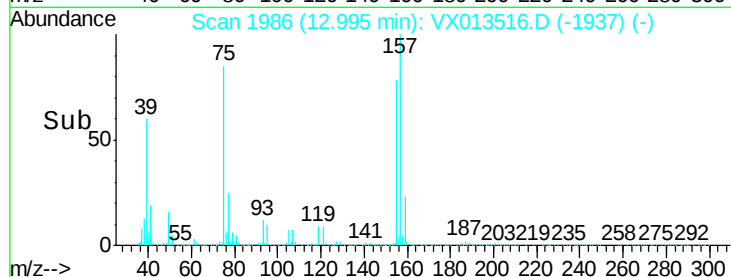
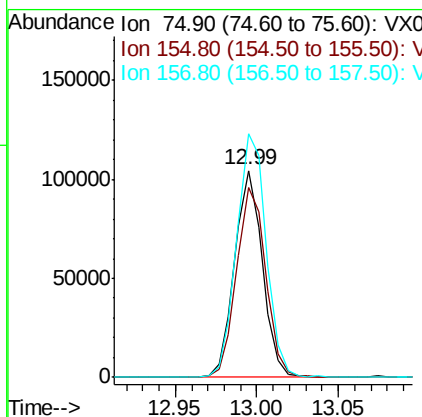
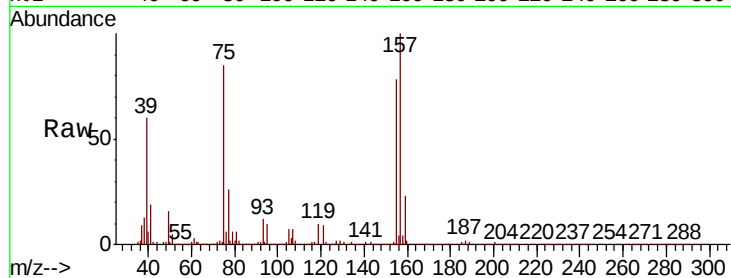
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.273 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	96.9	47.1	141.4
157	126.1	61.3	183.8

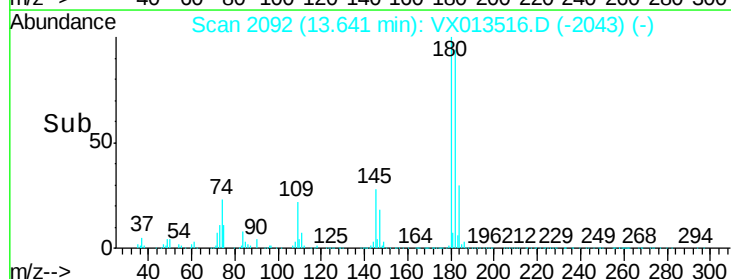
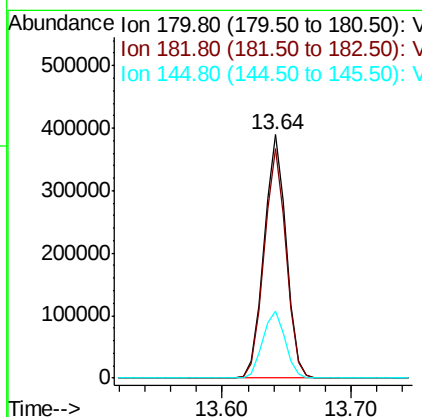
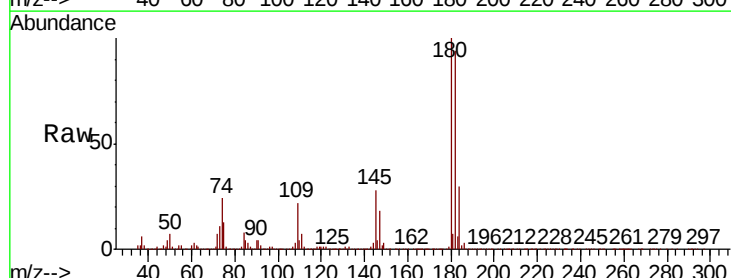
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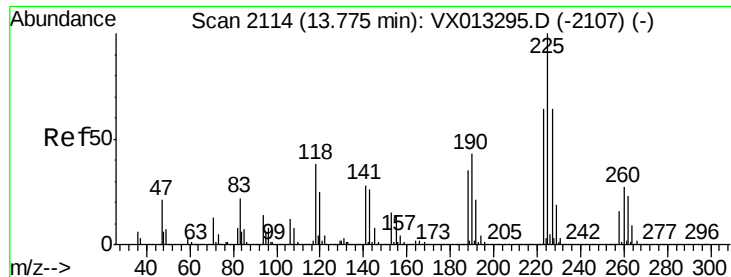
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#93
 1,2,4-Trichlorobenzene
 Concen: 47.351 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.4	145.0
145	28.2	14.1	42.4





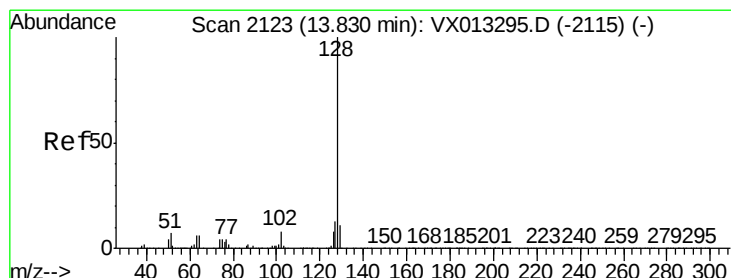
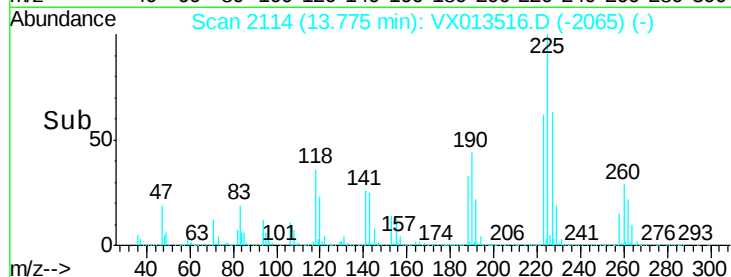
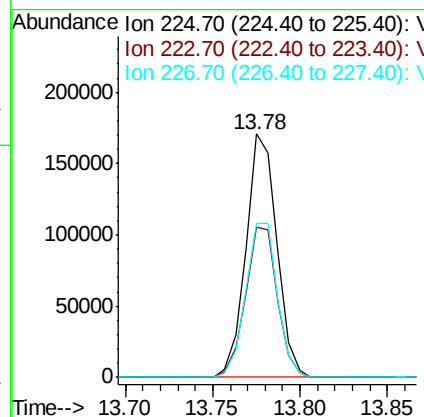
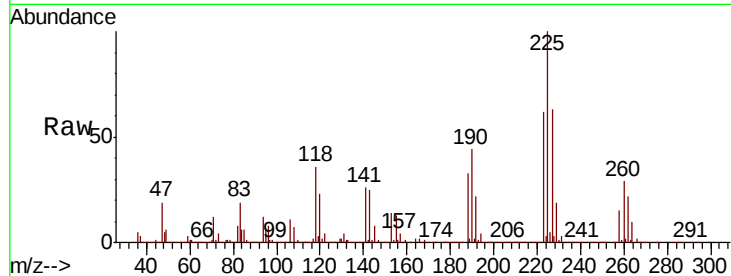
#94
Hexachlorobutadiene
Concen: 44.046 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120MS

Tot Ion	Ratio	Resp	Lower	Upper
225	100	209292		
223	63.7	31.9	95.7	
227	65.2	31.9	95.9	

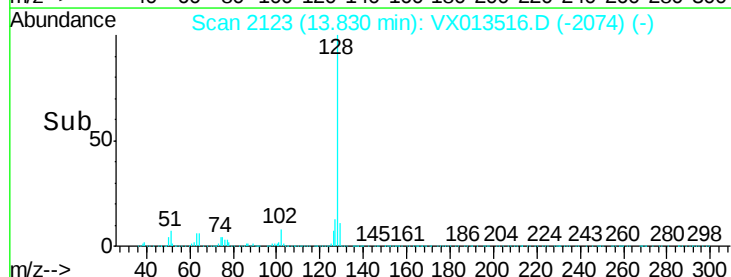
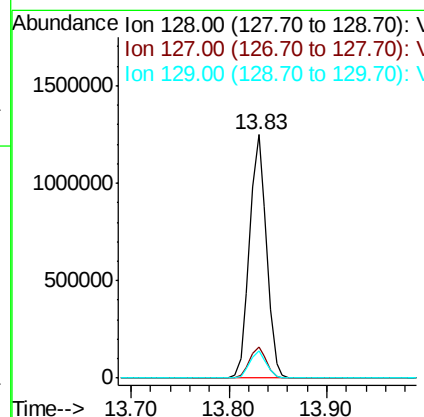
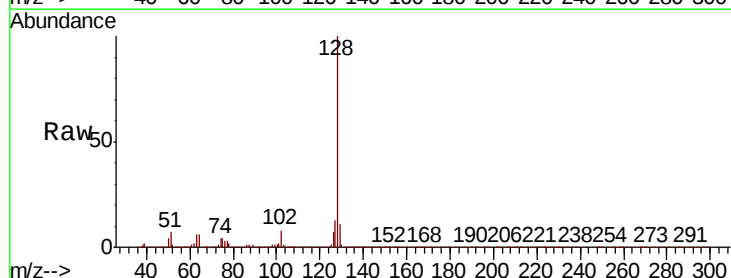
Manual Integrations
APPROVED

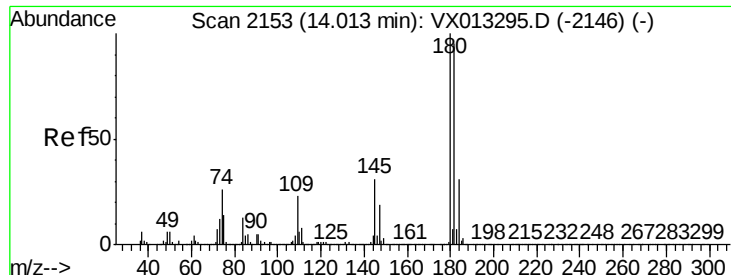
MMDadoda
11/22/2019 8:43:56 AM



#95
Naphthalene
Concen: 49.364 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013516.D
Acq: 21 Nov 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1504264		
127	12.7	10.2	15.2	
129	10.9	8.5	12.7	





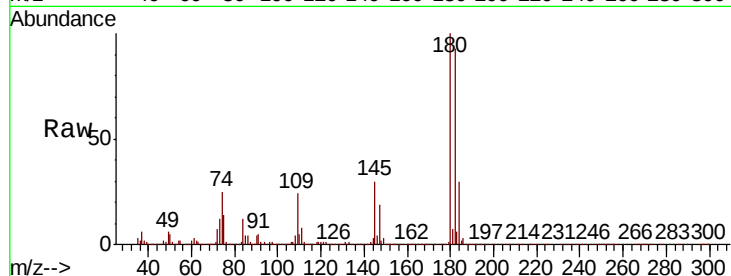
#96
 1,2,3-Trichlorobenzene
 Concen: 48.879 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX013516.D
 Acq: 21 Nov 2019 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	476103		
182	94.2	48.0	144.2	
145	29.9	15.4	46.4	

Manual Integrations
 APPROVED

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 11/22/2019 8:43:56 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

