

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX103119\
 Data File : VX013294.D
 Acq On : 31 Oct 2019 17:05
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 3:41:04 PM

Quant Time: Nov 02 05:49:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 06:36:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	723346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1092004	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	985018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	498134	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	161841	20.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.94%	
35) Dibromofluoromethane	5.49	113	127897	18.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.96%	
50) Toluene-d8	8.71	98	489690	18.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.66%	
62) 4-Bromofluorobenzene	11.14	95	168375	17.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	169788	24.525	ug/l 98
3) Chloromethane	1.31	50	185527	26.133	ug/l 100
4) Vinyl Chloride	1.40	62	211518	28.466	ug/l 99
5) Bromomethane	1.62	94	124228	27.393	ug/l 99
6) Chloroethane	1.71	64	123896	26.679	ug/l 96
7) Trichlorofluoromethane	1.92	101	233035	20.158	ug/l 100
8) Diethyl Ether	2.17	74	104412	24.748	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	129153	19.556	ug/l 99
10) Methyl Iodide	2.50	142	155636	18.219	ug/l 99
11) Tert butyl alcohol	3.03	59	205601	109.381	ug/l 98
12) 1,1-Dichloroethene	2.36	96	130425	20.092	ug/l 98
13) Acrolein	2.28	56	117502	107.977	ug/l 98
14) Allyl chloride	2.72	41	230296	23.385	ug/l 100
15) Acrylonitrile	3.13	53	421119	111.621	ug/l 100
16) Acetone	2.43	43	437194	120.185	ug/l 99
17) Carbon Disulfide	2.56	76	339865	20.262	ug/l 99
18) Methyl Acetate	2.76	43	231528	26.443	ug/l 98
19) Methyl tert-butyl Ether	3.18	73	432581	20.356	ug/l 100
20) Methylene Chloride	2.84	84	150839	20.208	ug/l 99
21) trans-1,2-Dichloroethene	3.16	96	137746	19.890	ug/l 98
22) Diisopropyl ether	3.84	45	456814	22.167	ug/l 95
23) Vinyl Acetate	3.80	43	1951056	112.400	ug/l 100
24) 1,1-Dichloroethane	3.69	63	252460	21.363	ug/l 99
25) 2-Butanone	4.66	43	627138	119.219	ug/l 99
26) 2,2-Dichloropropane	4.57	77	200502	20.835	ug/l 97
27) cis-1,2-Dichloroethene	4.58	96	160128	19.922	ug/l 99
28) Bromochloromethane	5.00	49	70129	13.552	ug/l 99
29) Tetrahydrofuran	5.11	42	383630	114.990	ug/l 100
30) Chloroform	5.20	83	252518	20.030	ug/l 98
31) Cyclohexane	5.57	56	224753	20.900	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	211087	19.492	ug/l 98
36) 1,1-Dichloropropene	5.79	75	186458	20.427	ug/l 98
37) Ethyl Acetate	4.82	43	229350	23.819	ug/l 100
38) Carbon Tetrachloride	5.78	117	177610	18.921	ug/l 98

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 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 06:36:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	227106	19.447	ug/l	98
40) Benzene	6.13	78	572244	20.523	ug/l	99
41) Methacrylonitrile	5.03	41	124497	22.578	ug/l	98
42) 1,2-Dichloroethane	6.19	62	211658	21.464	ug/l	99
43) Isopropyl Acetate	6.44	43	349057	22.108	ug/l	98
44) Trichloroethene	7.21	130	150882	18.525	ug/l	100
45) 1,2-Dichloropropane	7.51	63	145863	20.472	ug/l	95
46) Dibromomethane	7.65	93	98365	19.540	ug/l	99
47) Bromodichloromethane	7.89	83	185143	20.399	ug/l	98
48) Methyl methacrylate	7.76	41	177833	22.852	ug/l	98
49) 1,4-Dioxane	7.73	88	77745	373.670	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1177578	115.011	ug/l	99
52) Toluene	8.78	92	363680	20.013	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	202436	20.674	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	227572	20.973	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	146363	19.512	ug/l	98
56) Ethyl methacrylate	9.17	69	228100	20.605	ug/l	98
57) 1,3-Dichloropropane	9.37	76	246482	20.478	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	518118	99.010	ug/l	100
59) 2-Hexanone	9.49	43	916738	115.686	ug/l	100
60) Dibromochloromethane	9.58	129	147705	19.518	ug/l	99
61) 1,2-Dibromoethane	9.67	107	154569	19.461	ug/l	96
64) Tetrachloroethene	9.33	164	136388	17.780	ug/l	97
65) Chlorobenzene	10.14	112	386620	19.051	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	145554	20.388	ug/l	97
67) Ethyl Benzene	10.25	91	678413	19.610	ug/l	100
68) m/p-Xylenes	10.36	106	515080	38.819	ug/l	99
69) o-Xylene	10.70	106	250933	19.443	ug/l	100
70) Styrene	10.71	104	424661	19.710	ug/l	99
71) Bromoform	10.85	173	111749	19.532	ug/l #	97
73) Isopropylbenzene	11.01	105	671914	19.818	ug/l	99
74) N-amyl acetate	10.89	43	301453	22.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	237679	21.128	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	189966m	20.817	ug/l	
77) Bromobenzene	11.25	156	171774	18.487	ug/l	98
78) n-propylbenzene	11.35	91	737759	19.653	ug/l	99
79) 2-Chlorotoluene	11.42	91	440723	19.572	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	550730	19.499	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	72396	21.079	ug/l	94
82) 4-Chlorotoluene	11.51	91	511710	19.527	ug/l	99
83) tert-Butylbenzene	11.77	119	556546	19.908	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	556139	19.506	ug/l	98
85) sec-Butylbenzene	11.94	105	630807	19.412	ug/l	99
86) p-Isopropyltoluene	12.06	119	592120	19.692	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	306221	18.956	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	302404	18.316	ug/l	98
89) n-Butylbenzene	12.39	91	500269	19.411	ug/l	99
90) Hexachloroethane	12.59	117	99012	20.500	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	305596	19.094	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	53347	22.228	ug/l	98

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ClientSampleId :
VSTDICC020

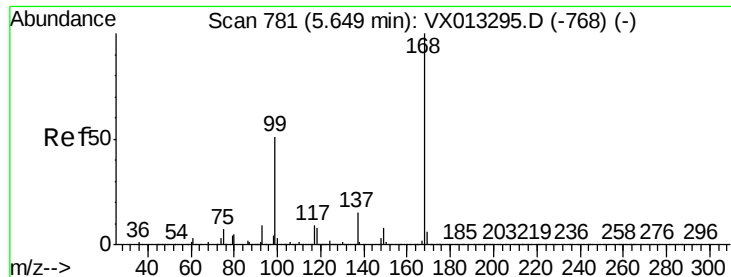
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
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QLast Update : Sat Nov 02 06:36:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	207550	19.066	ug/l	99
94) Hexachlorobutadiene	13.78	225	102491	19.044	ug/l	96
95) Naphthalene	13.83	128	686578	20.964	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	213633	19.644	ug/l	99

(#) = 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: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 168 Resp: 723346

Ion Ratio Lower Upper

168 100

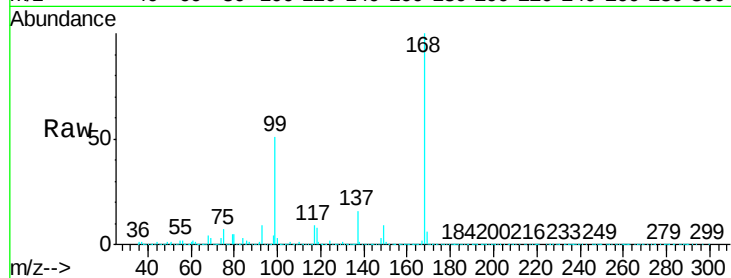
99 50.5 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

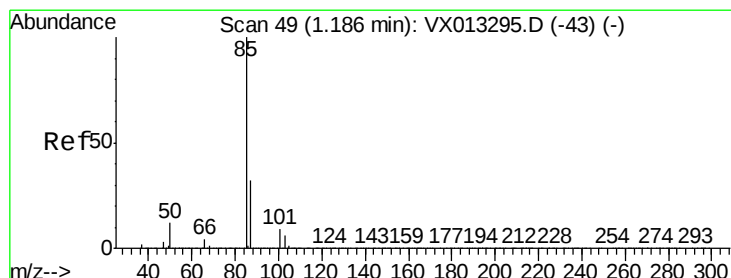
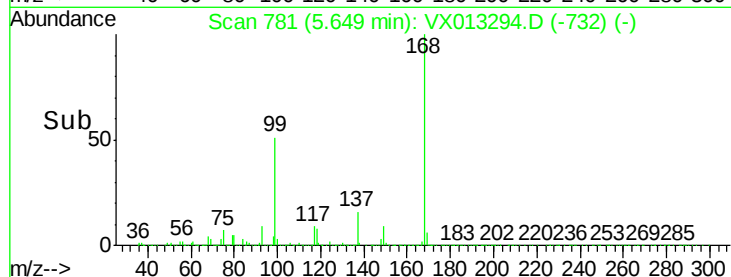
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.525 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013294.D

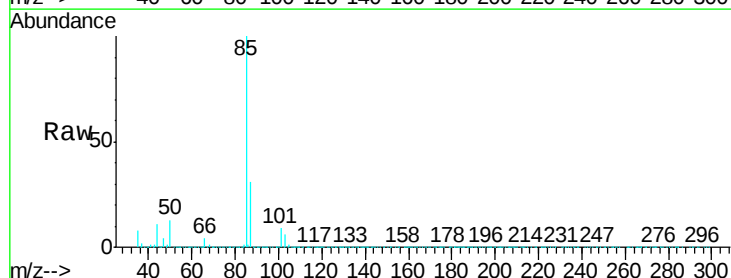
Acq: 31 Oct 2019 17:05

Tgt Ion: 85 Resp: 169788

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200000

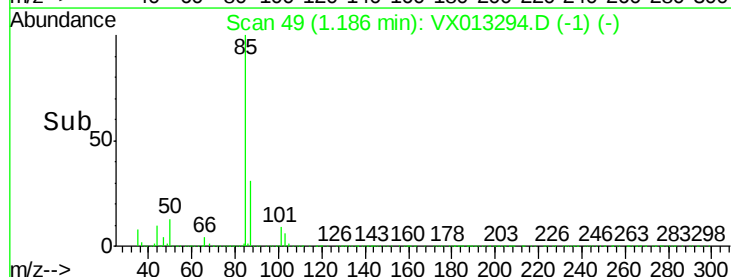
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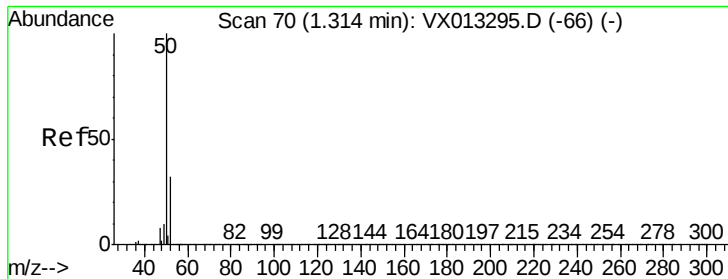
100000

50000

0

Time-->





#3

Chloromethane

Concen: 26.133 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013294.D

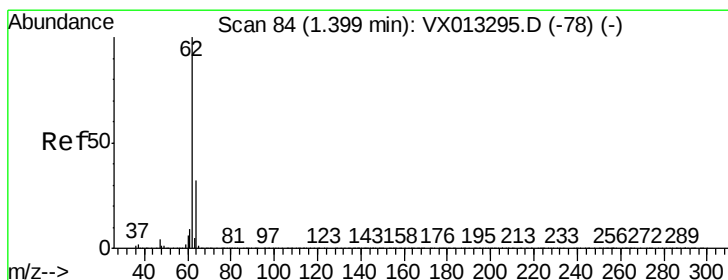
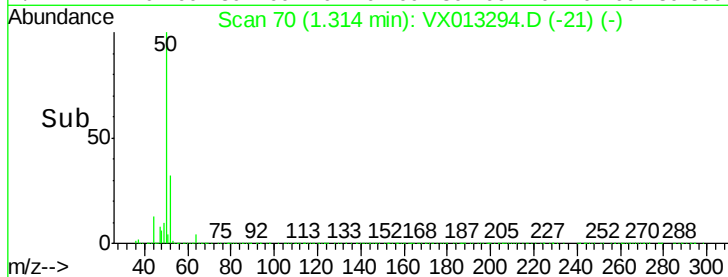
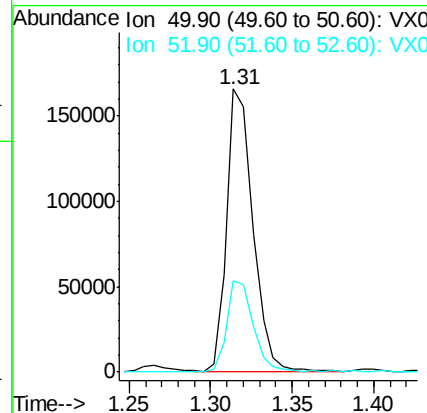
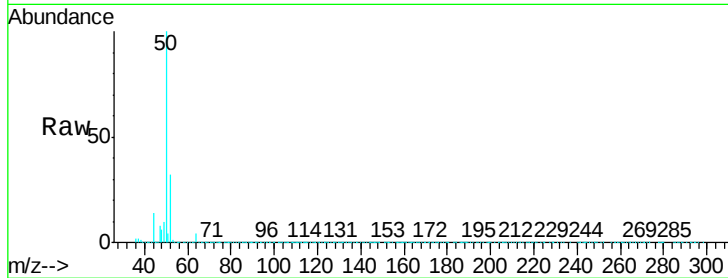
Acq: 31 Oct 2019 17:05

Tgt Ion:	50	Resp:	185527
Ion Ratio	Lower	Upper	
50	100		
52	32.0	25.5	38.3

Instrument :
MSVOA_X
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#4

Vinyl Chloride

Concen: 28.466 ug/l

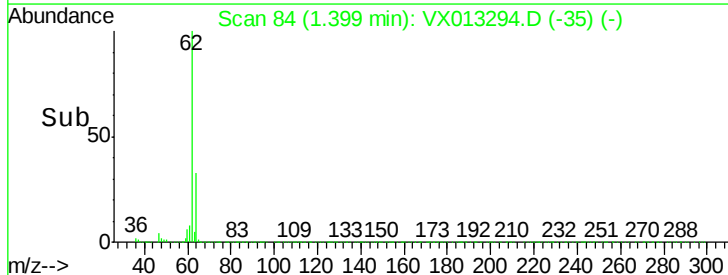
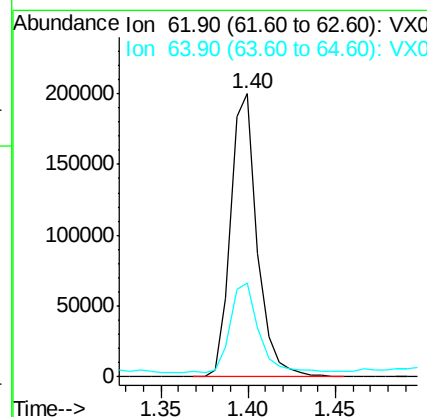
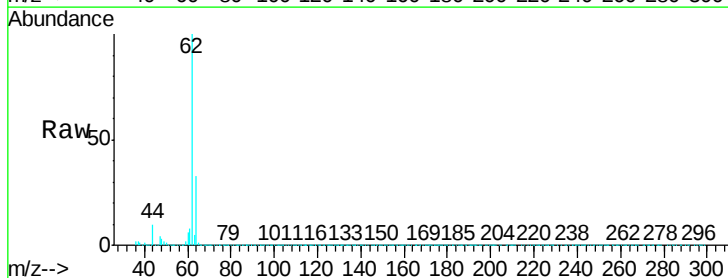
RT: 1.40 min Scan# 84

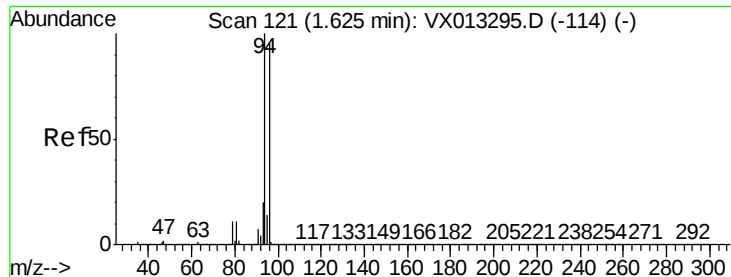
Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion:	62	Resp:	211518
Ion Ratio	Lower	Upper	
62	100		
64	31.4	25.6	38.4





#5

Bromomethane

Concen: 27.393 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tgt Ion: 94 Resp: 124228

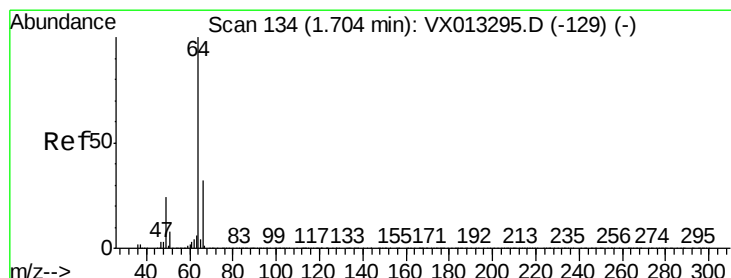
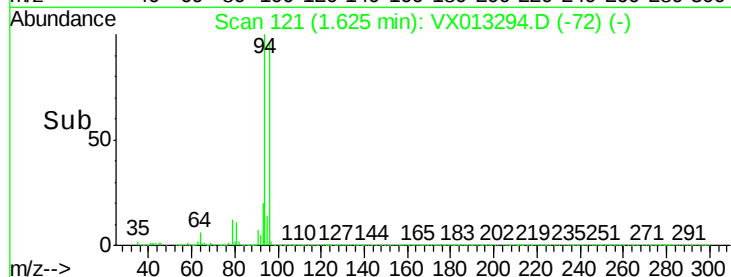
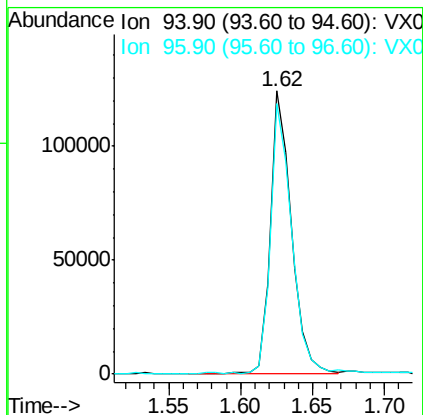
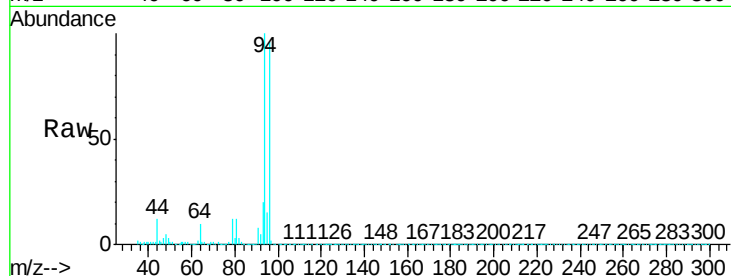
Ion Ratio Lower Upper

94 100

96 95.7 75.8 113.8

Manual Integrations
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#6

Chloroethane

Concen: 26.679 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013294.D

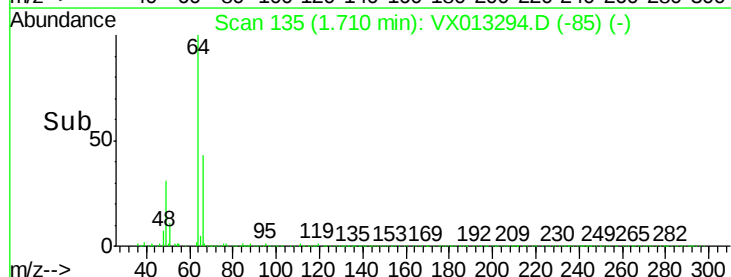
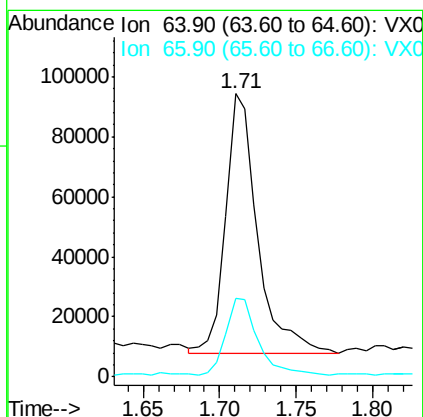
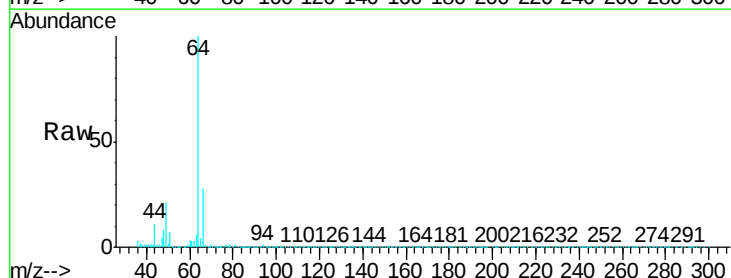
Acq: 31 Oct 2019 17:05

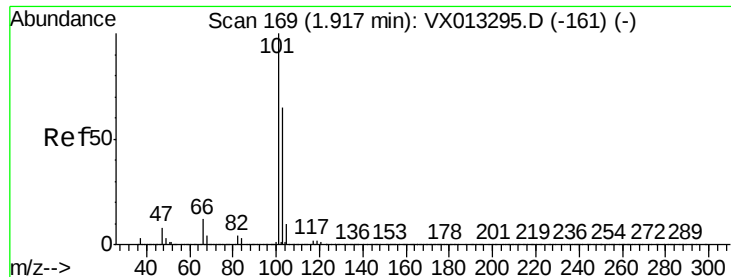
Tgt Ion: 64 Resp: 123896

Ion Ratio Lower Upper

64 100

66 29.6 25.6 38.4





#7

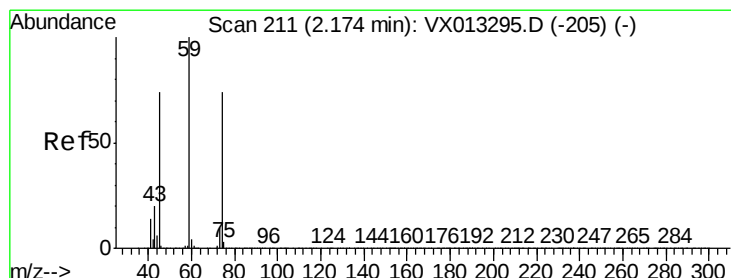
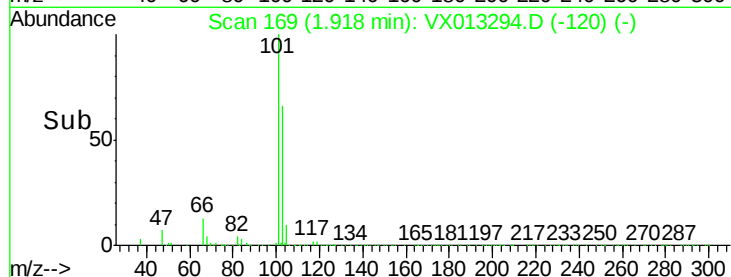
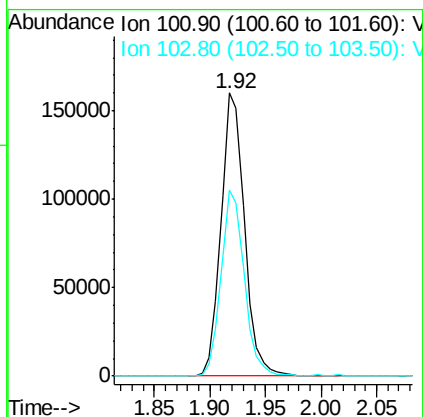
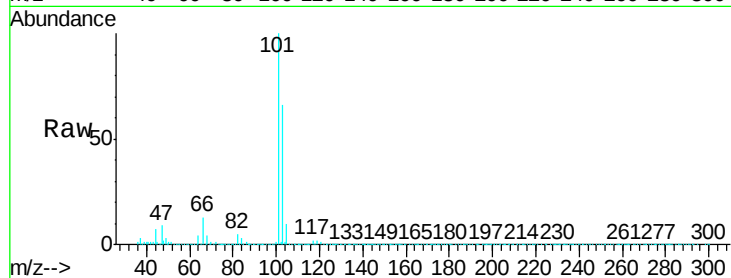
Trichlorofluoromethane
Concen: 20.158 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

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ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.3	78.5

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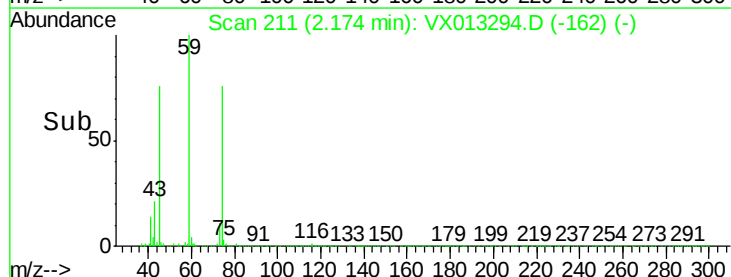
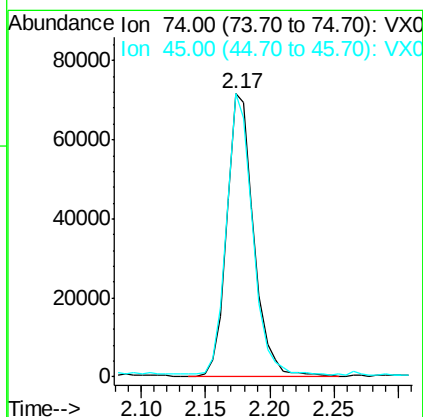
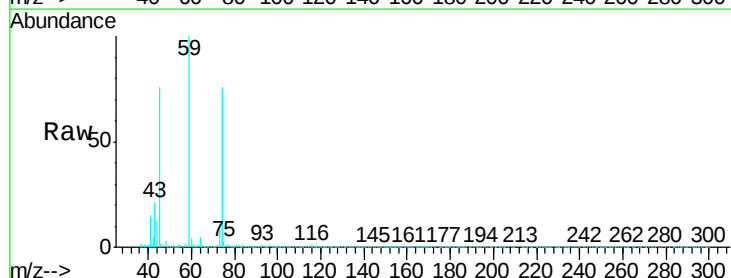
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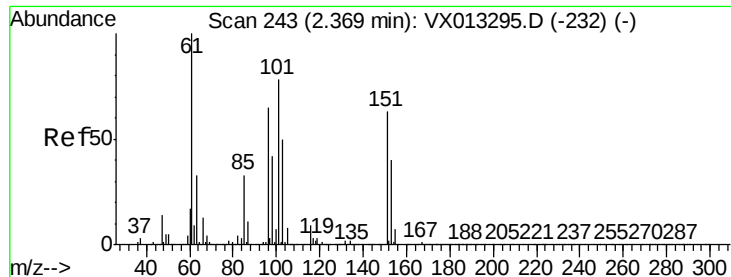


#8

Diethyl Ether
Concen: 24.748 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.556 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

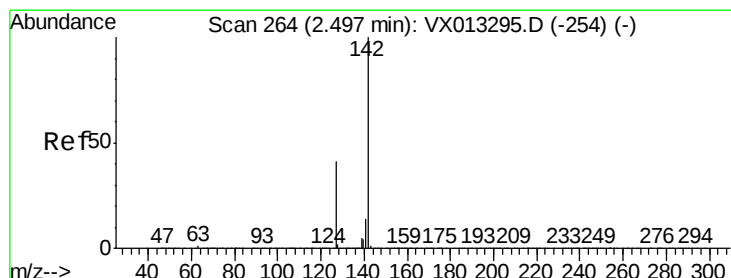
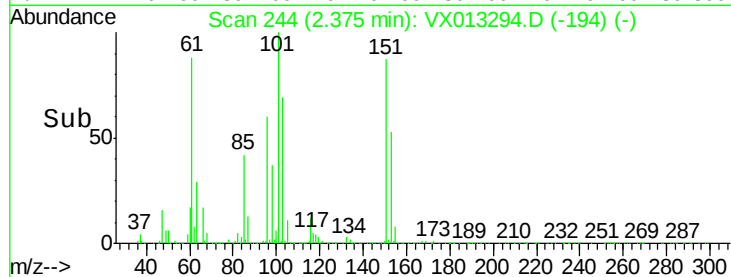
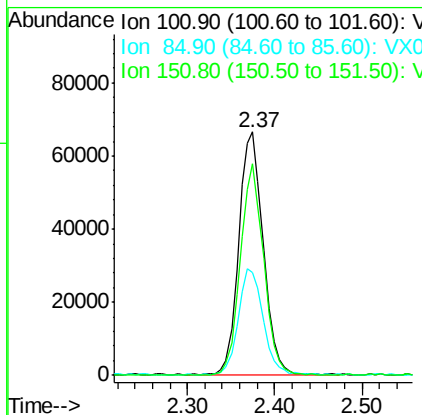
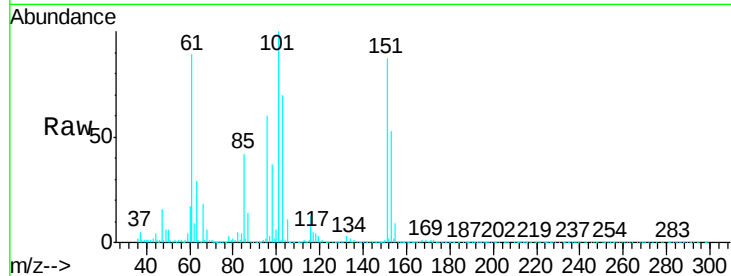
ClientSampleId :

VSTDIC020

Tgt Ion:	101	Resp:	129153
Ion Ratio	Lower	Upper	
101	100		
85	44.9	34.4	51.6
151	82.7	66.4	99.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.219 ug/l

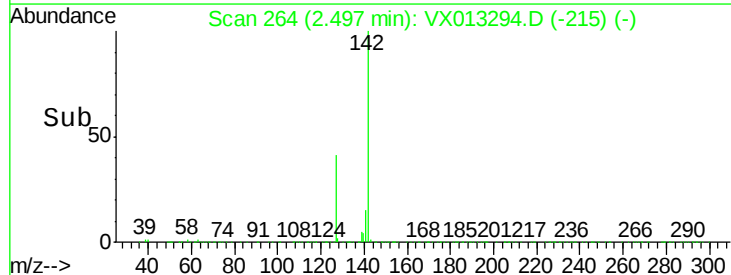
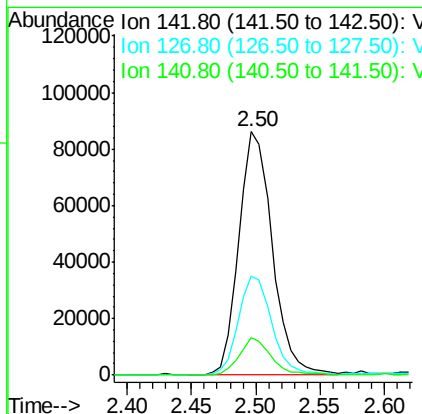
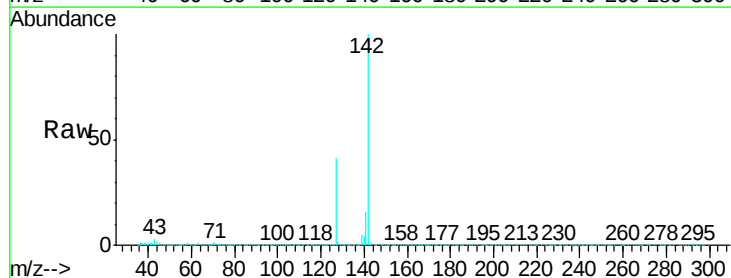
RT: 2.50 min Scan# 264

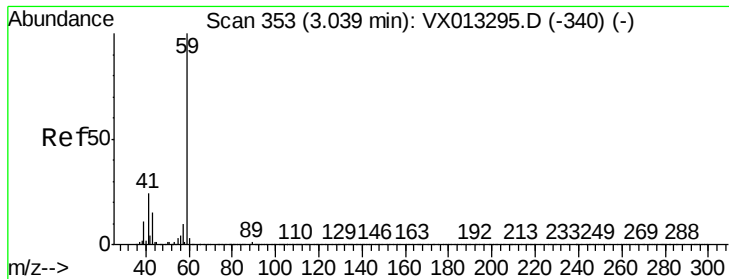
Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion:	142	Resp:	155636
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.6	49.0
141	14.2	11.6	17.4





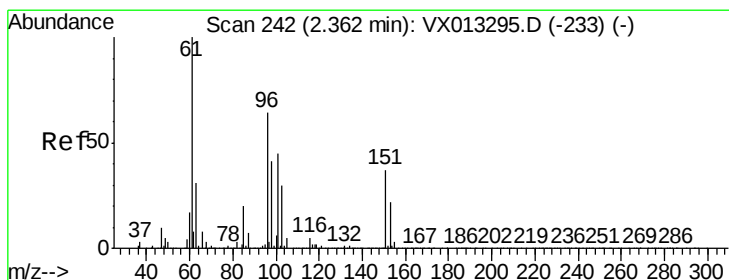
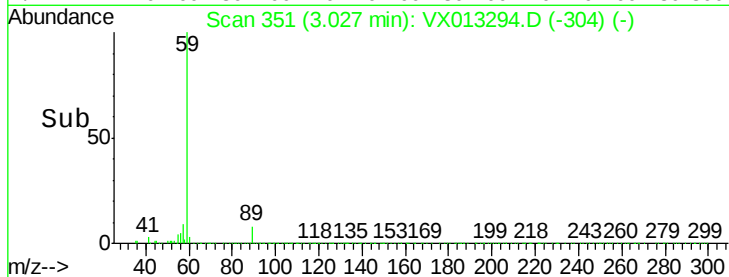
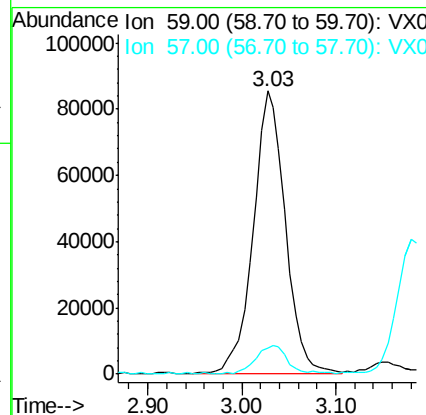
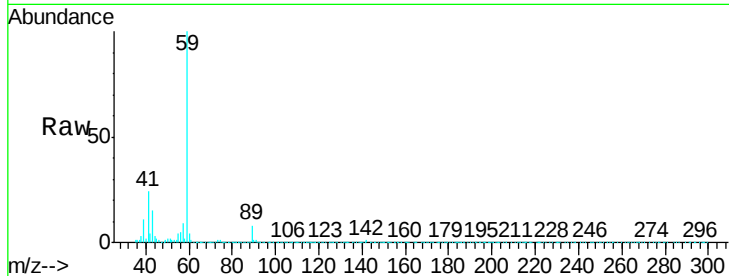
#11
Tert butyl alcohol
Concen: 109.381 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.0	12.0

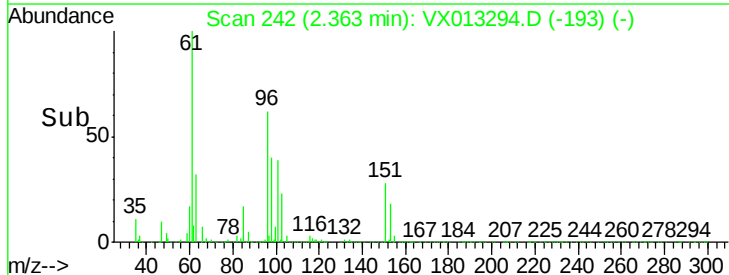
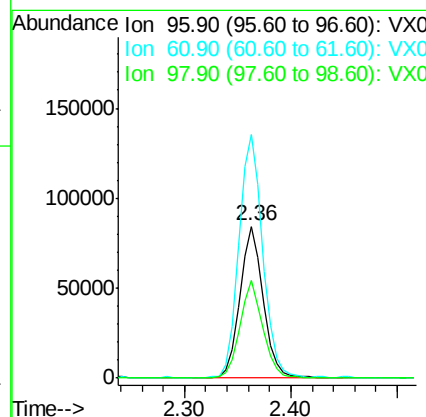
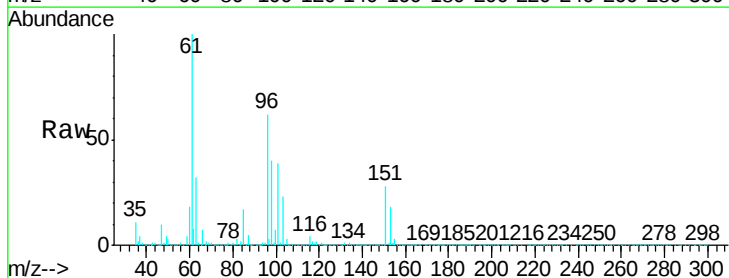
Manual Integrations
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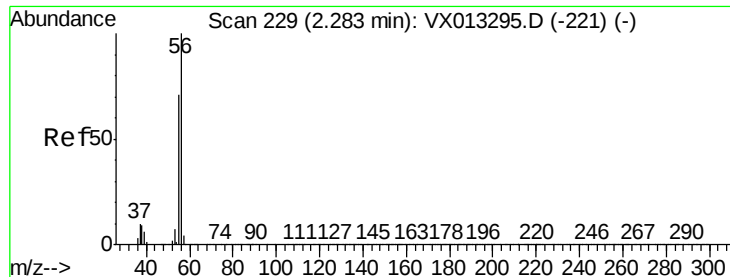
MMDadoda
11/4/2019 3:41:04 PM



#12
1,1-Dichloroethene
Concen: 20.092 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	125.0	187.6
98	64.0	50.7	76.1





#13

Acrolein

Concen: 107.977 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 117502

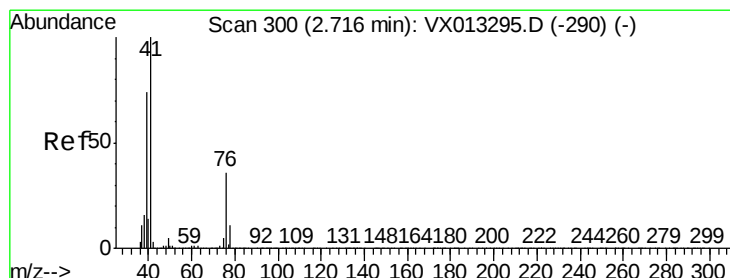
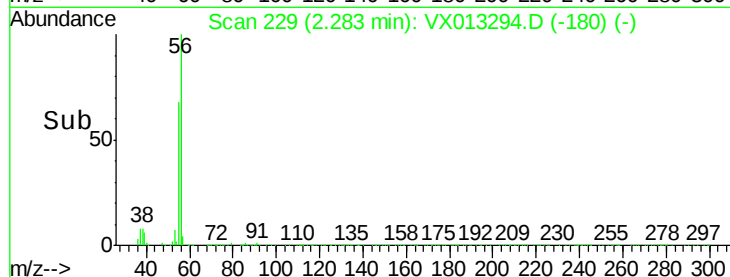
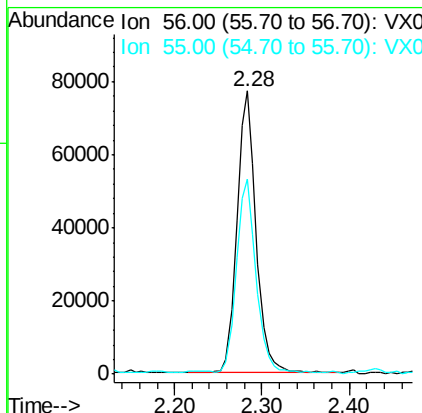
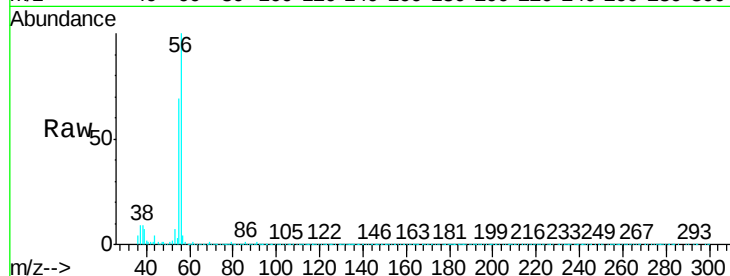
Ion Ratio Lower Upper

56 100

55 70.4 57.4 86.0

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#14

Allyl chloride

Concen: 23.385 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

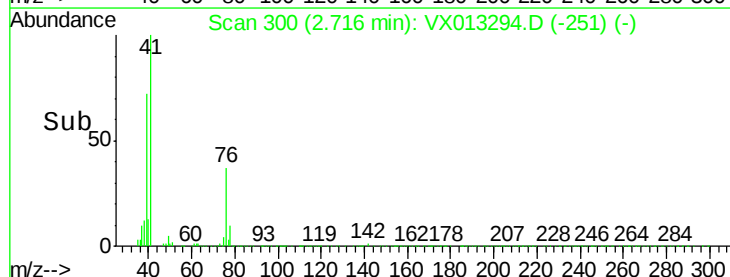
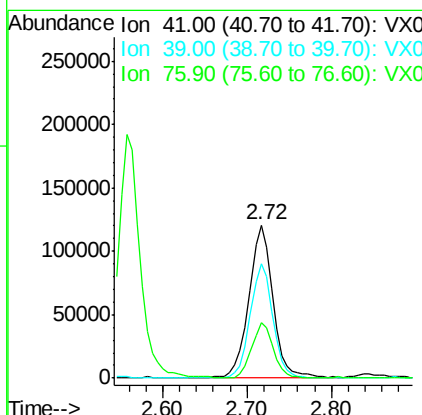
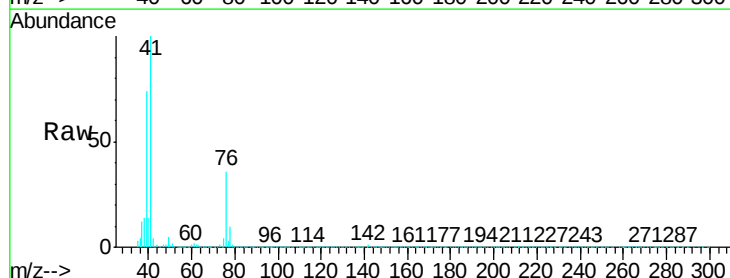
Tgt Ion: 41 Resp: 230296

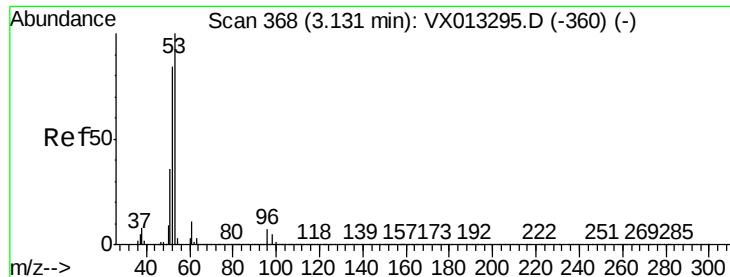
Ion Ratio Lower Upper

41 100

39 70.1 55.8 83.8

76 32.8 26.4 39.6





#15

Acrylonitrile

Concen: 111.621 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

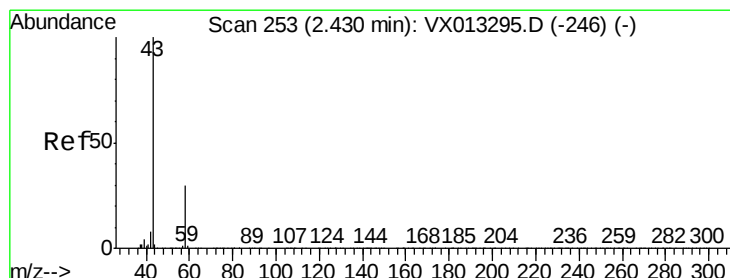
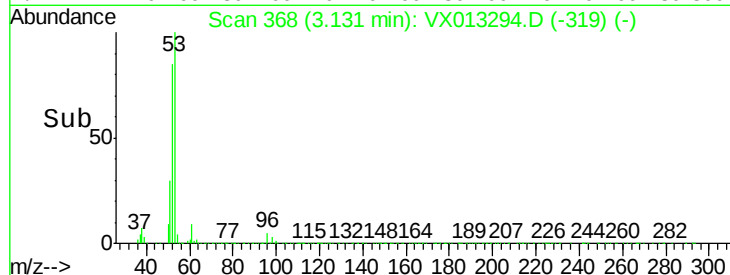
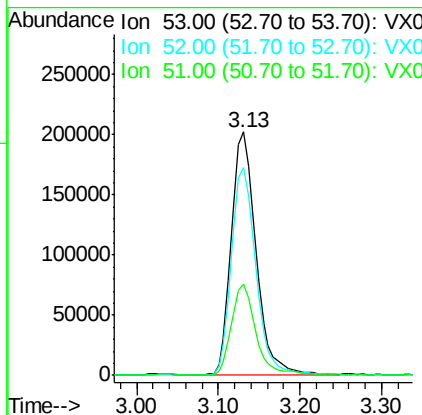
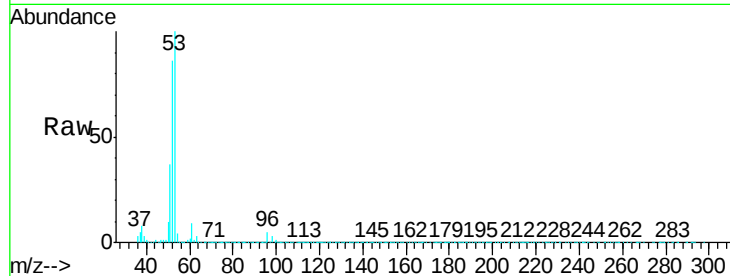
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	421119
Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.4	101.0
51	36.9	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 120.185 ug/l

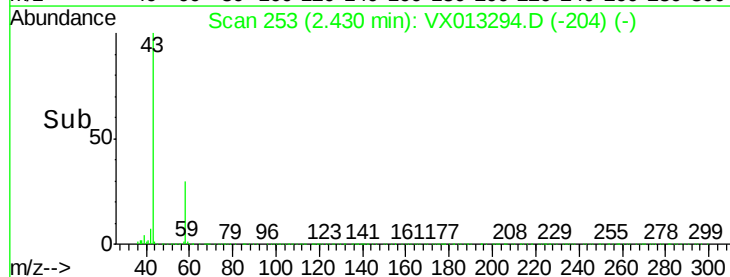
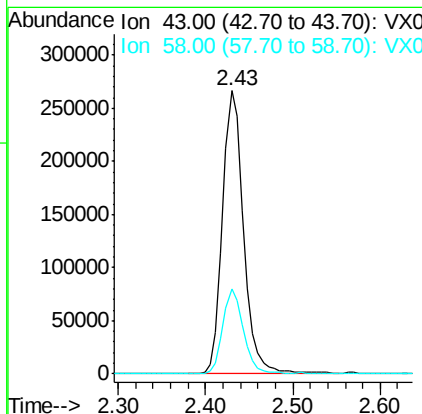
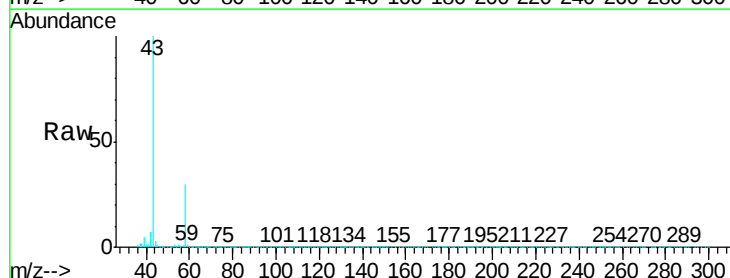
RT: 2.43 min Scan# 253

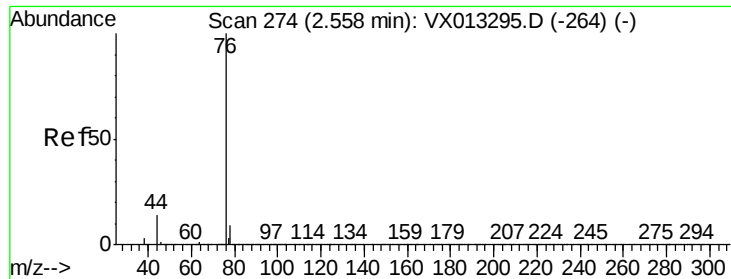
Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion:	43	Resp:	437194
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.3	36.5





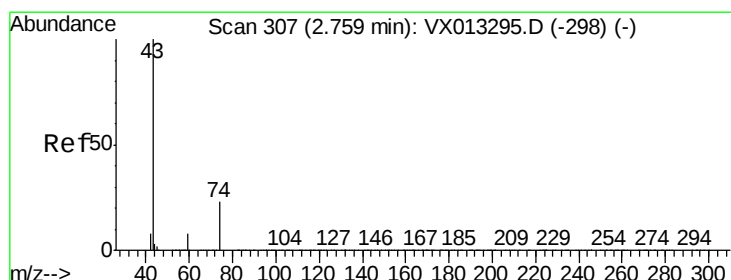
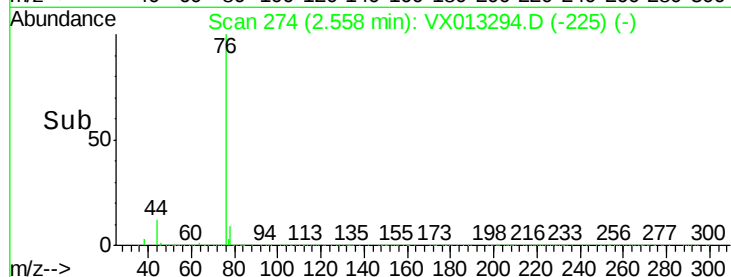
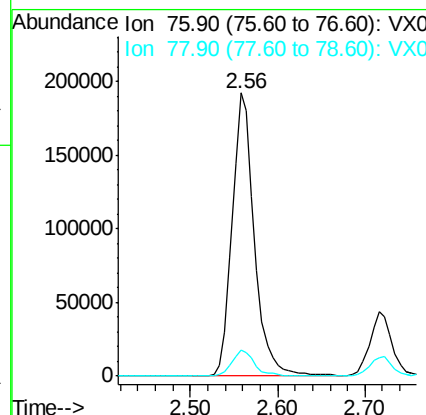
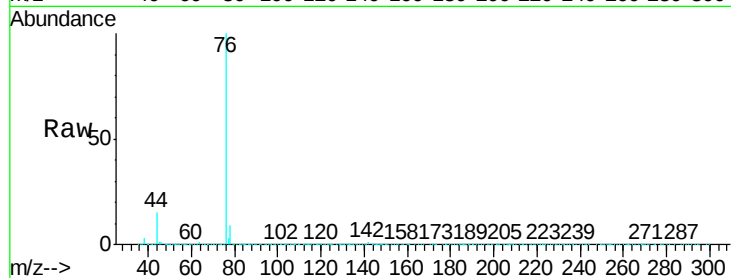
#17
Carbon Disulfide
Concen: 20.262 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
76	100	339865		
78	9.0	7.0	7.0	10.6

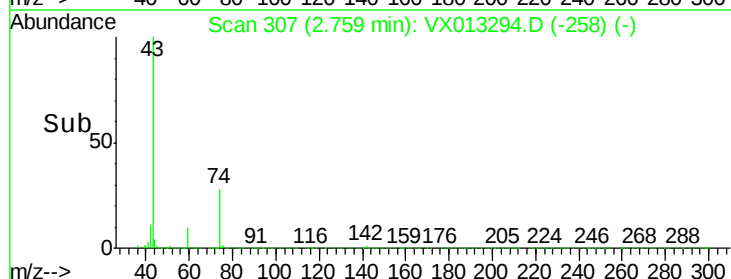
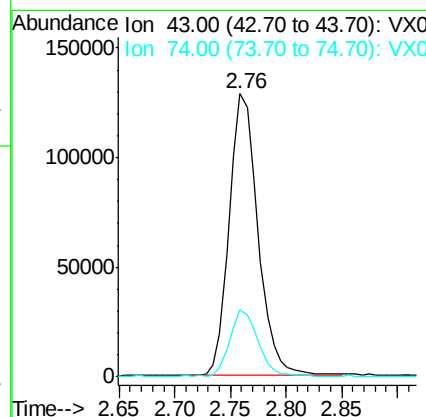
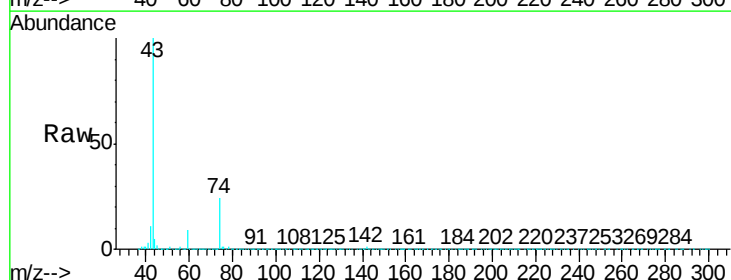
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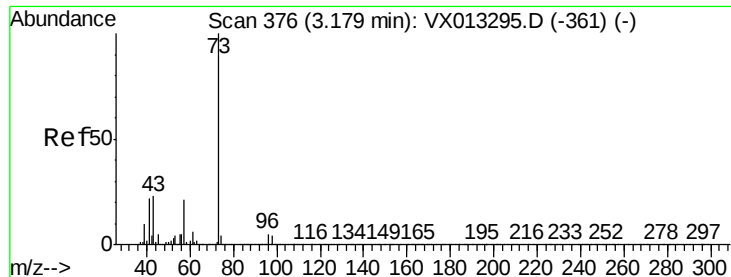
MMDadoda
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#18
Methyl Acetate
Concen: 26.443 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	231528		
74	22.9	19.0	19.0	28.6





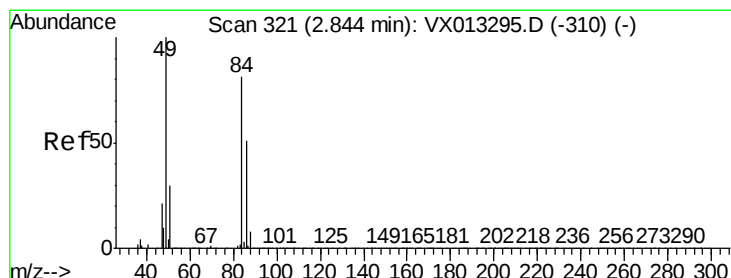
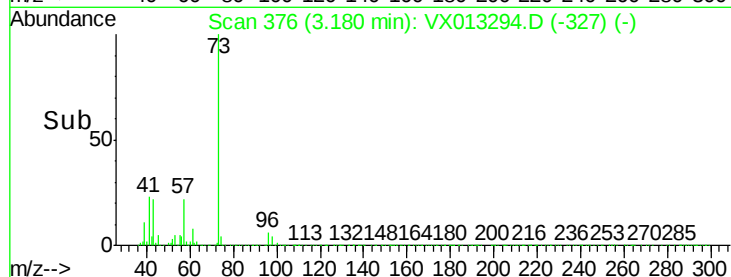
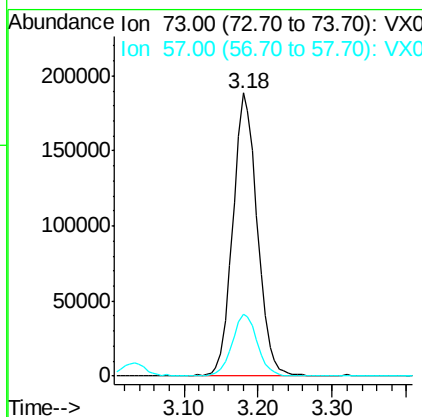
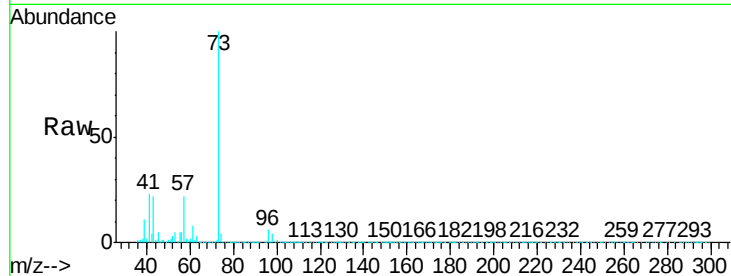
#19
Methyl tert-butyl Ether
Concen: 20.356 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.1	25.7

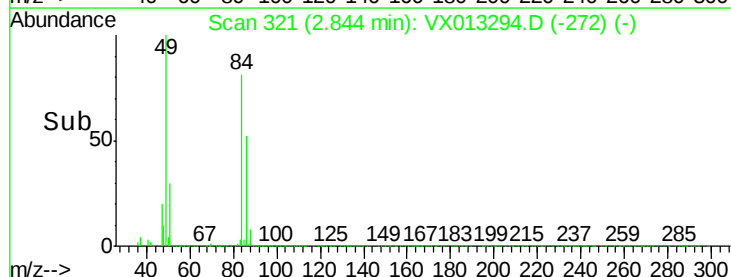
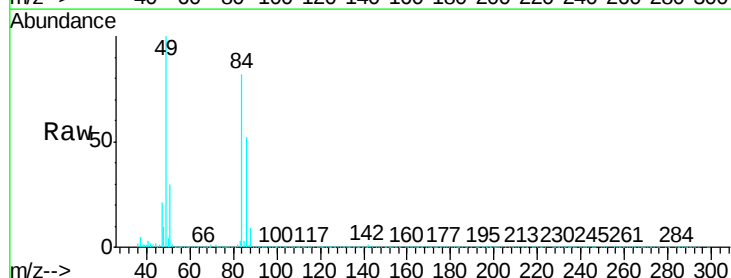
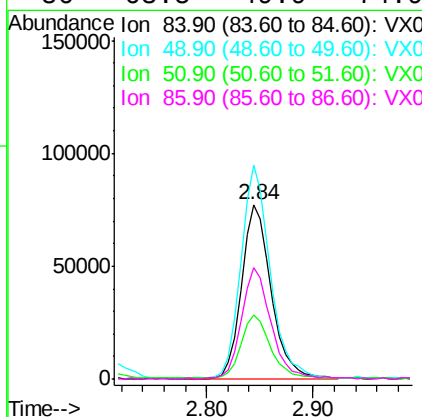
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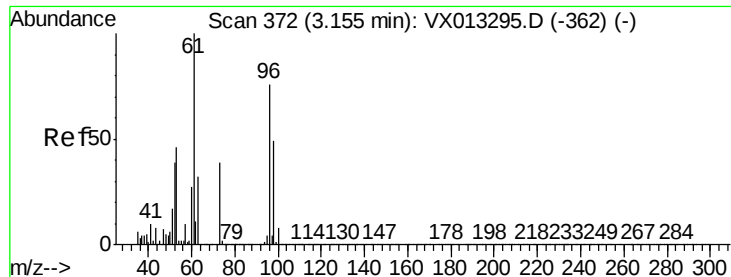
MMDadoda
11/4/2019 3:41:04 PM



#20
Methylene Chloride
Concen: 20.208 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	98.2	147.4
51	36.5	29.9	44.9
86	63.5	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 19.890 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

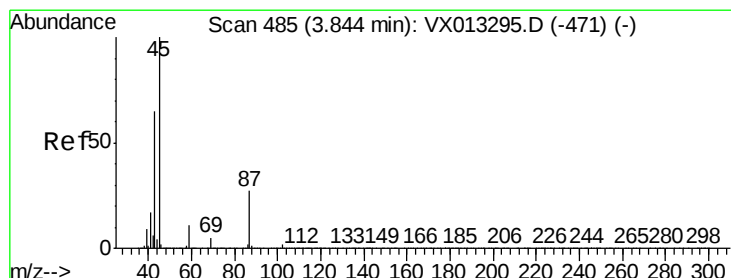
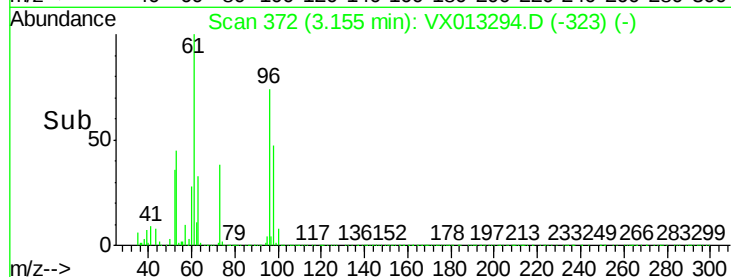
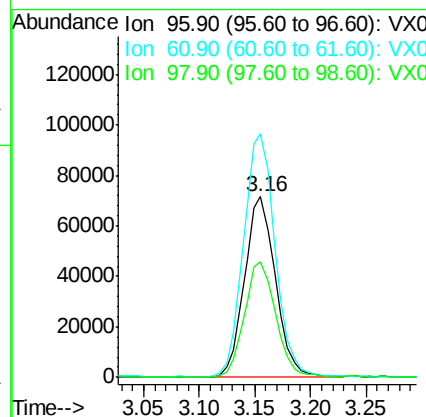
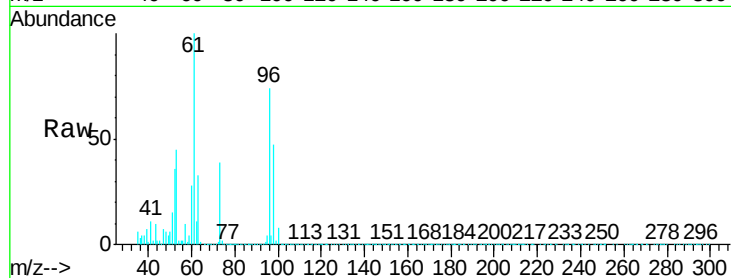
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	137746
Ion	Ratio	Lower	Upper
96	100		
61	134.7	105.8	158.6
98	63.4	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.167 ug/l

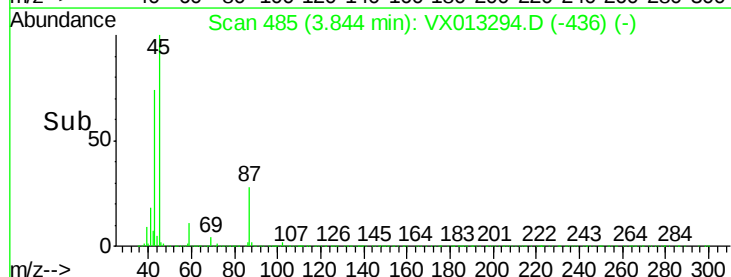
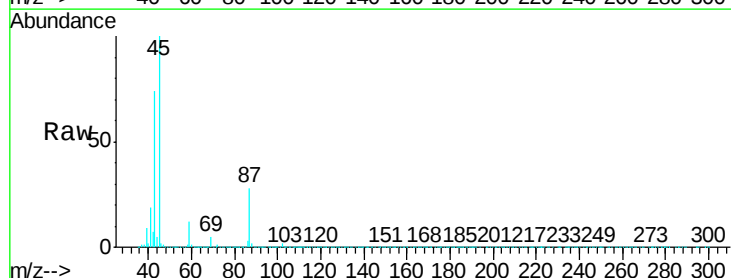
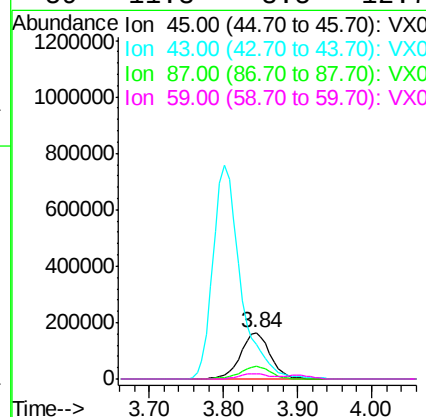
RT: 3.84 min Scan# 485

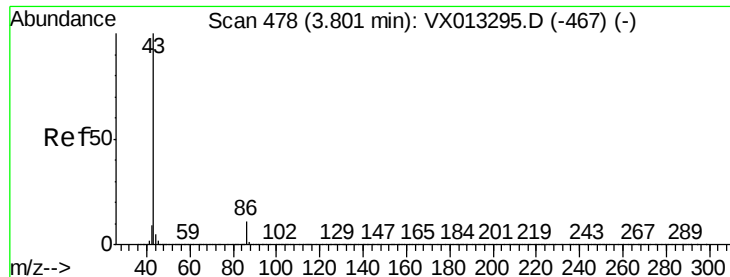
Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion:	45	Resp:	456814
Ion	Ratio	Lower	Upper
45	100		
43	73.6	54.2	81.2
87	27.7	21.8	32.8
59	11.3	8.5	12.7





#23

Vinyl Acetate

Concen: 112.400 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 1951056

Ion Ratio Lower Upper

43 100

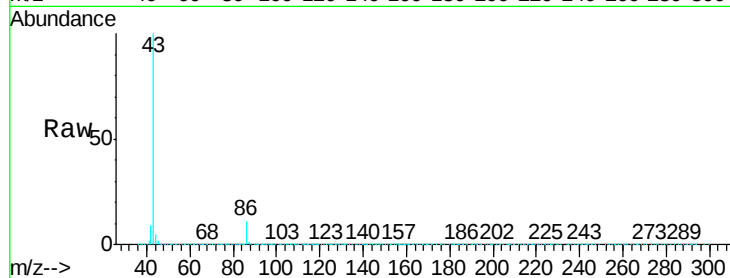
86 10.9 8.6 13.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

800000

600000

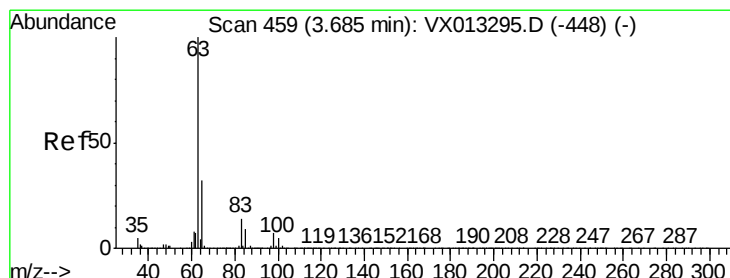
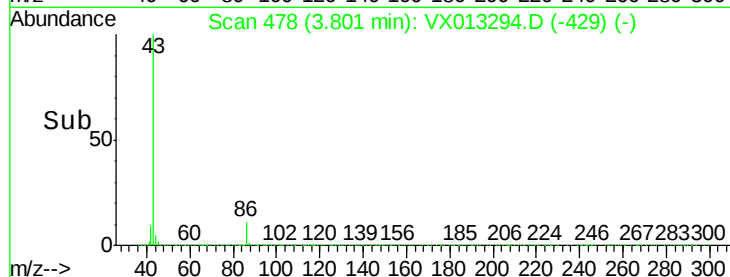
400000

200000

0

Time-->

3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 21.363 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

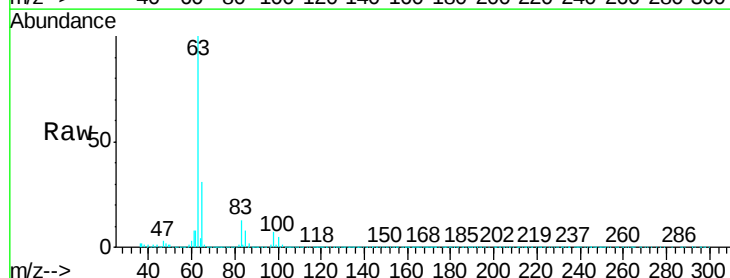
Tgt Ion: 63 Resp: 252460

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

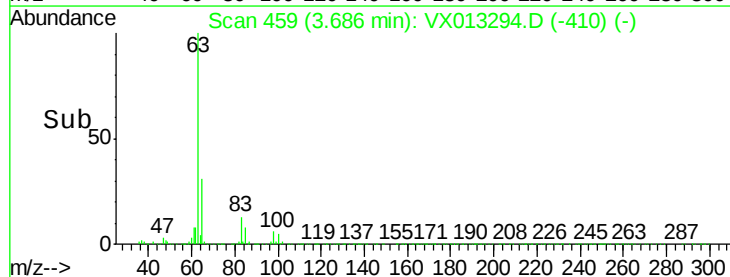
100000

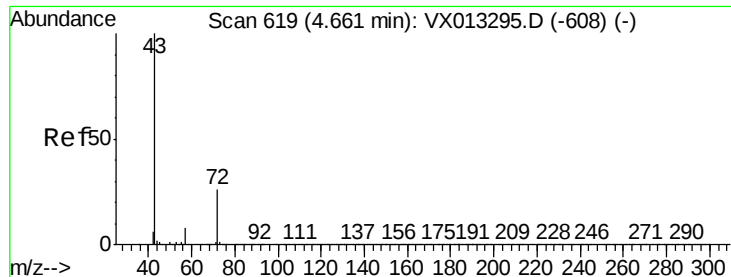
50000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 119.219 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 627138

Ion Ratio Lower Upper

43 100

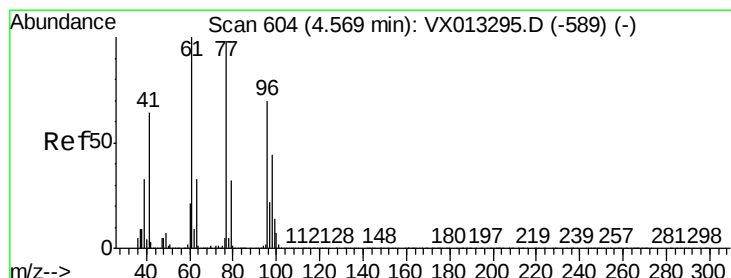
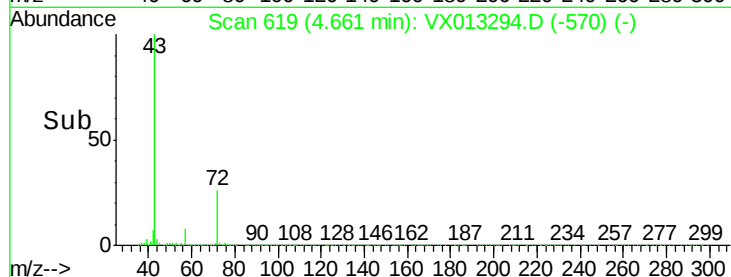
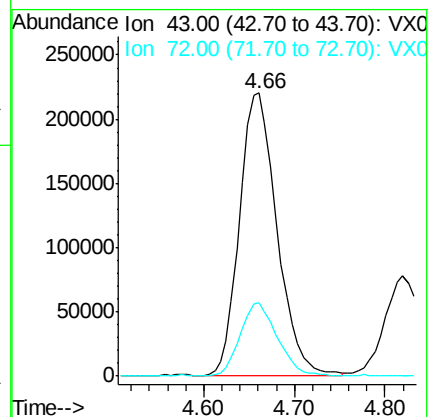
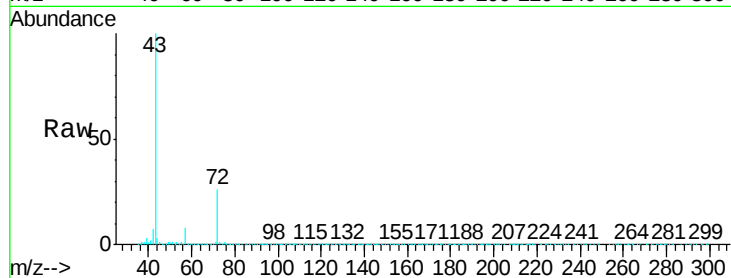
72 25.9 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.835 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013294.D

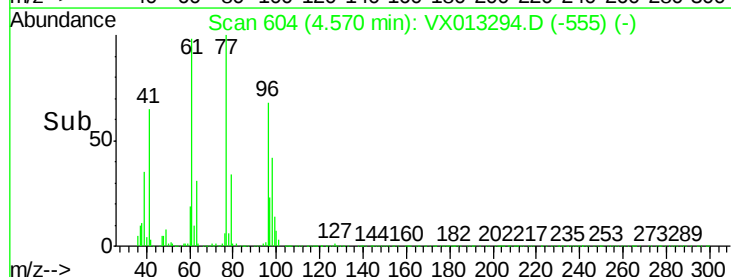
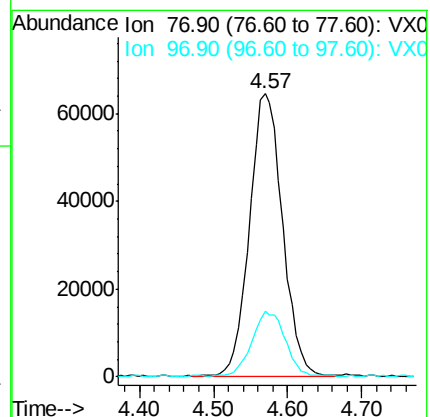
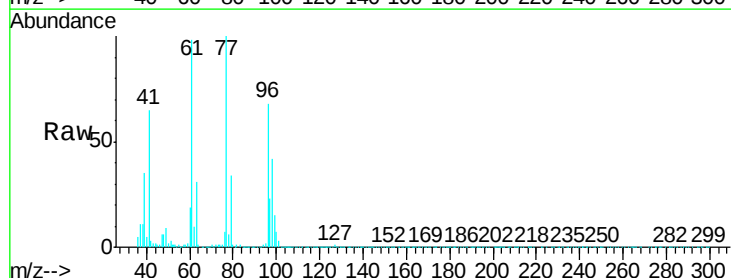
Acq: 31 Oct 2019 17:05

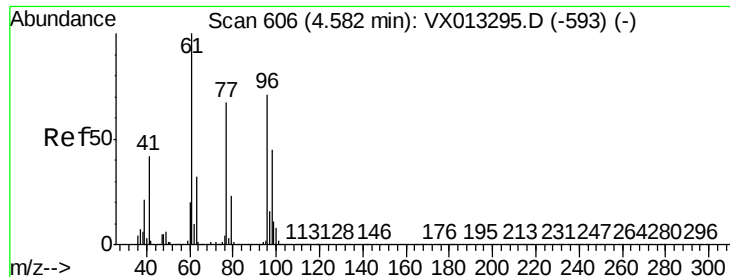
Tgt Ion: 77 Resp: 200502

Ion Ratio Lower Upper

77 100

97 23.9 11.3 33.8





#27

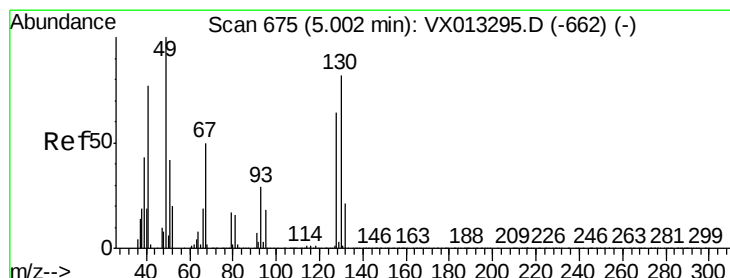
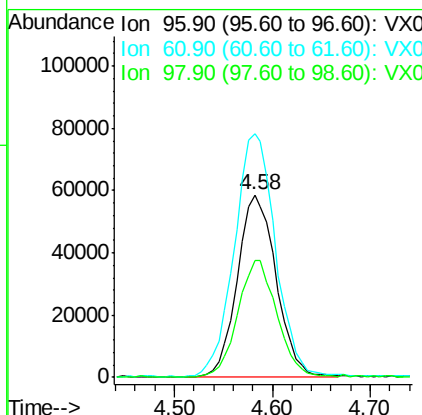
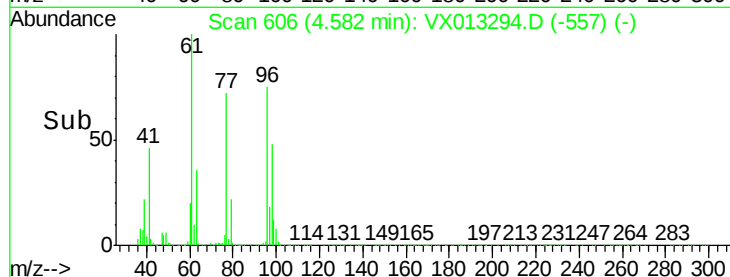
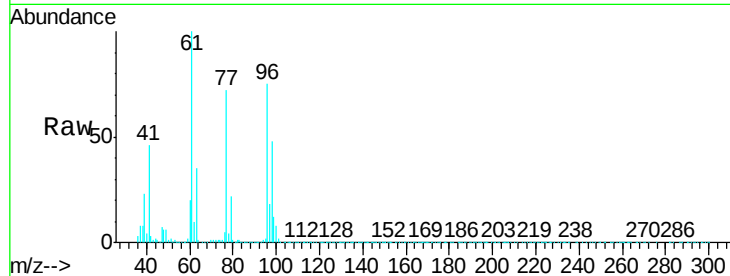
cis-1,2-Dichloroethene
Concen: 19.922 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	160128		
61	141.6	0.0	288.0	
98	65.0	0.0	129.6	

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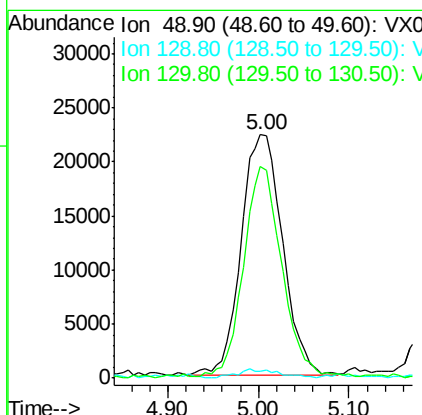
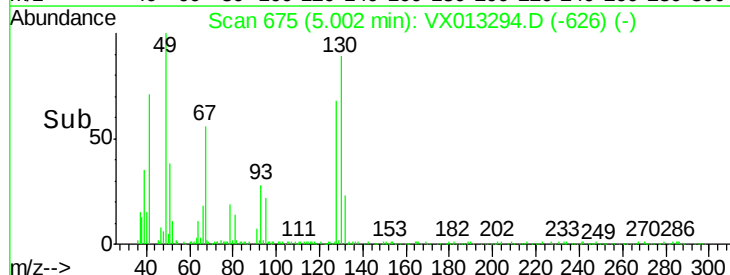
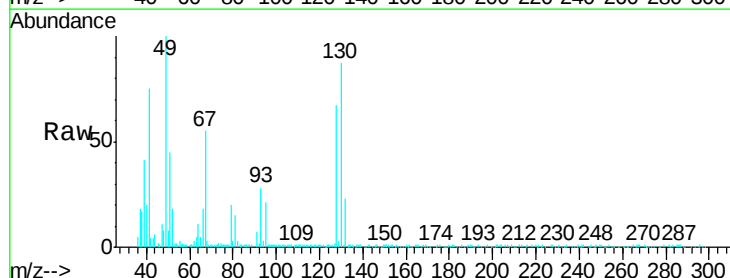
MMDadoda
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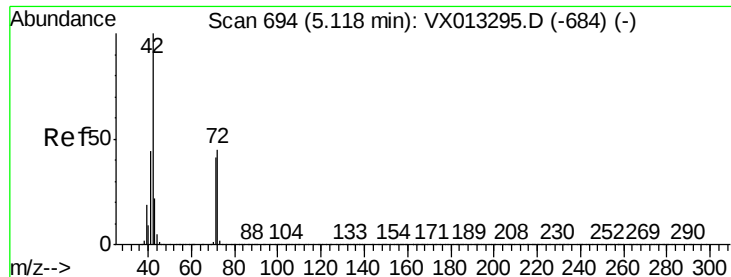


#28

Bromochloromethane
Concen: 13.552 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70129		
129	2.2	0.0	5.2	
130	80.7	63.8	95.6	





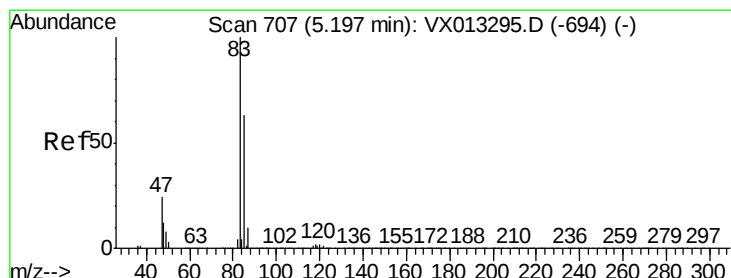
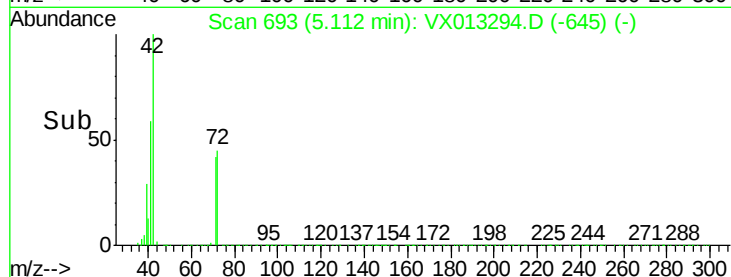
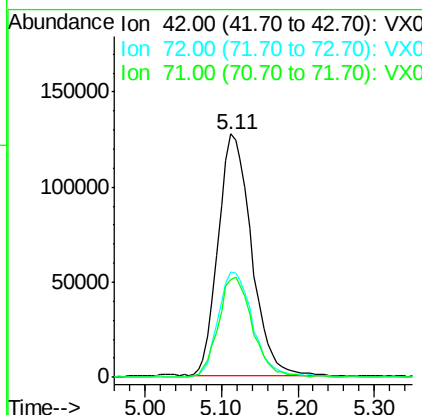
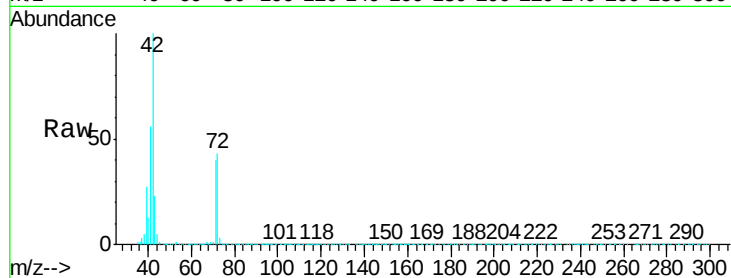
#29
Tetrahydrofuran
Concen: 114.990 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	383630		
72	44.9	35.8	53.8	
71	42.1	33.4	50.0	

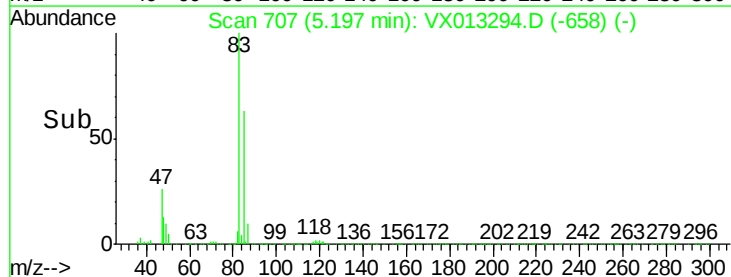
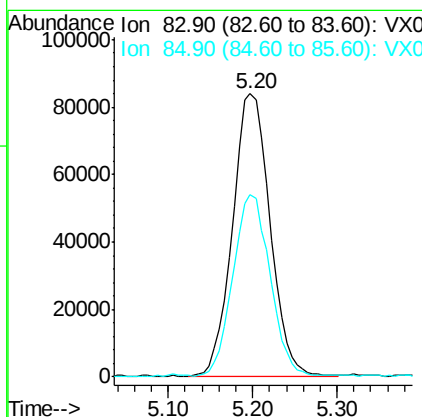
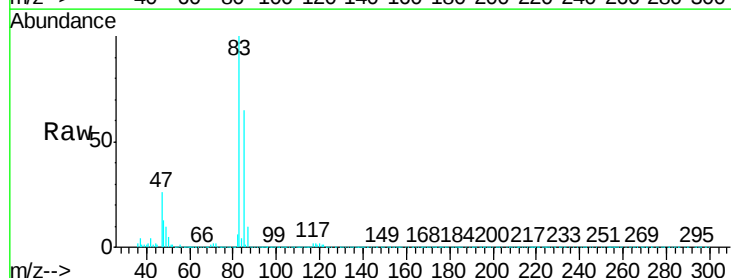
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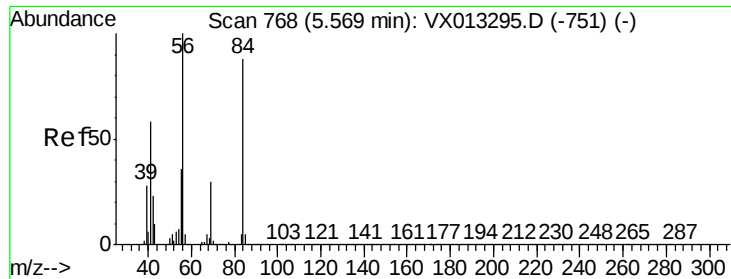
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11/4/2019 3:41:04 PM



#30
Chloroform
Concen: 20.030 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	252518		
85	64.2	50.2	75.4	





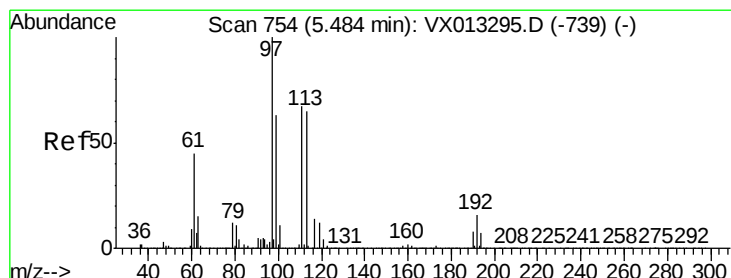
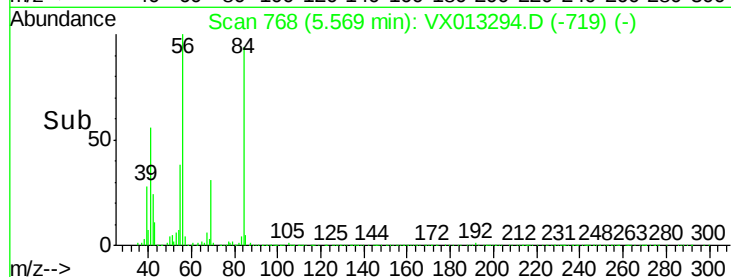
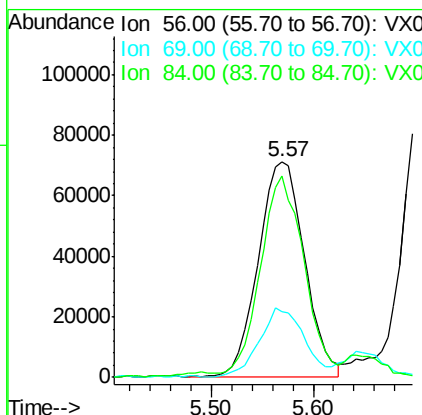
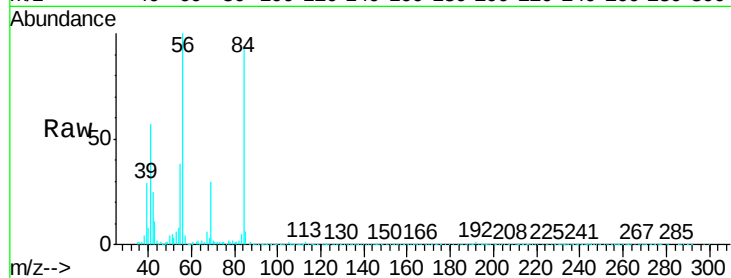
#31
Cyclohexane
Concen: 20.900 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.7	35.5
84	91.3	70.6	105.8

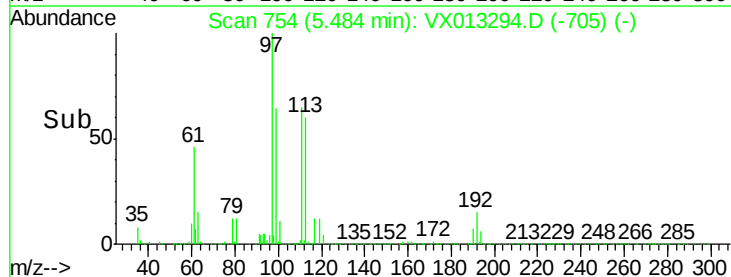
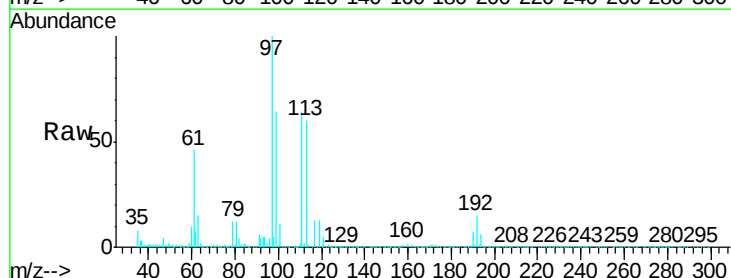
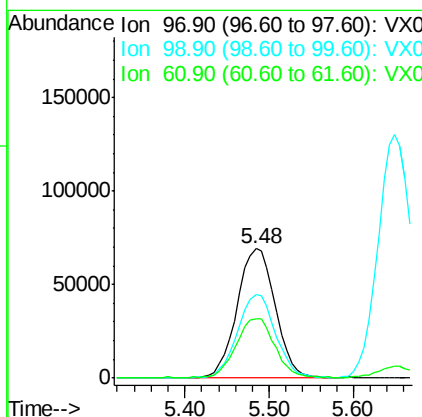
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#32
1,1,1-Trichloroethane
Concen: 19.492 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	47.8	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 20.468 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 161841

Ion Ratio Lower Upper

65 100

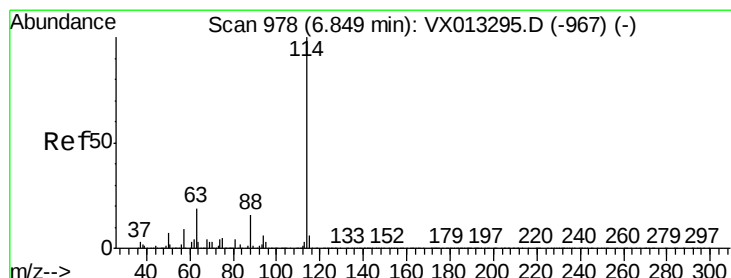
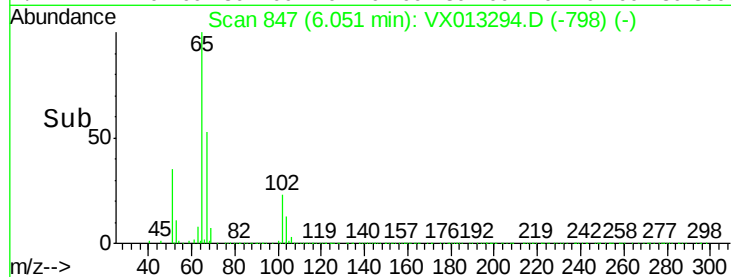
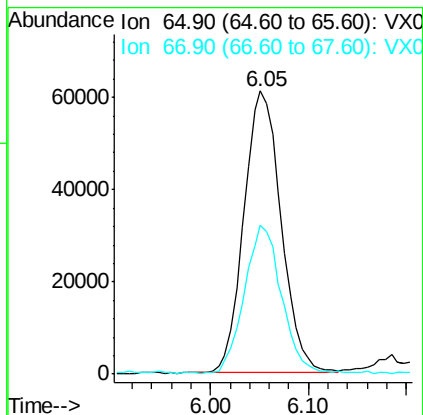
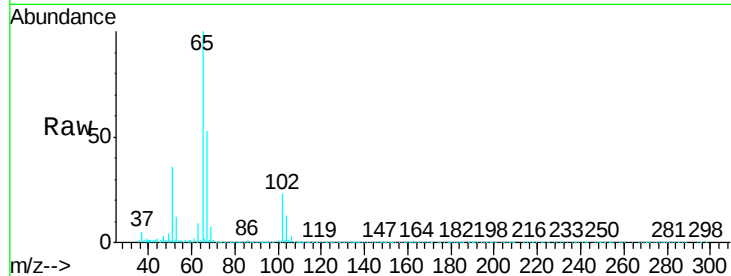
67 51.7 0.0 104.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

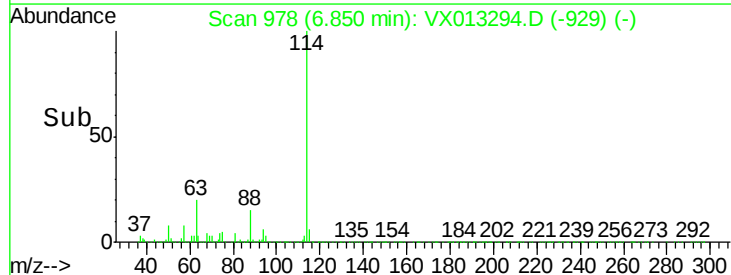
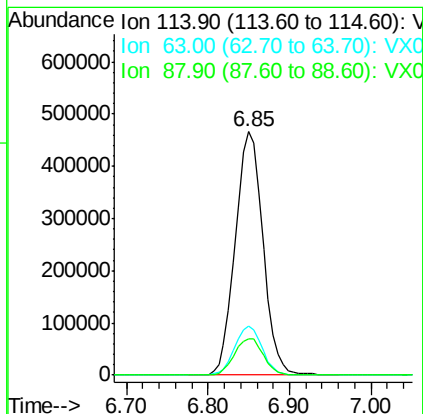
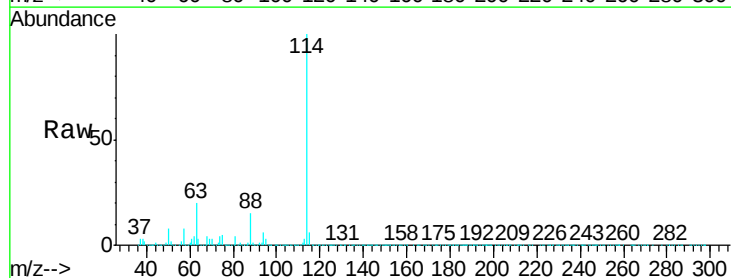
Tgt Ion: 114 Resp: 1092004

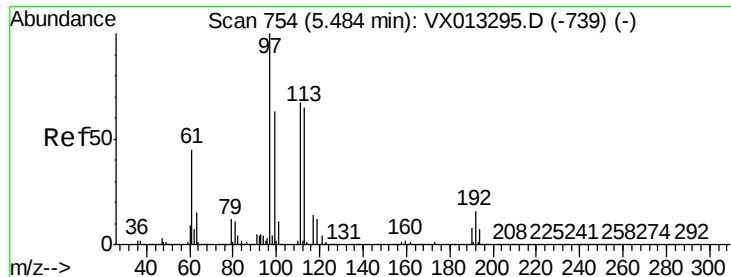
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

88 14.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 18.483 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

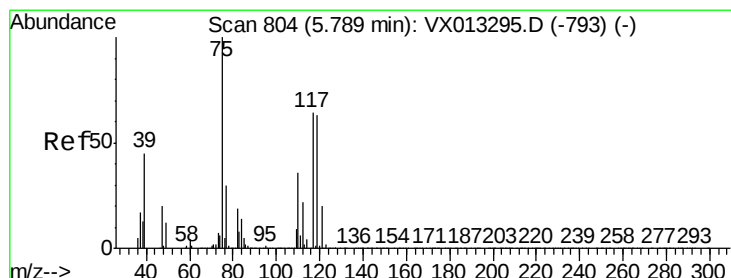
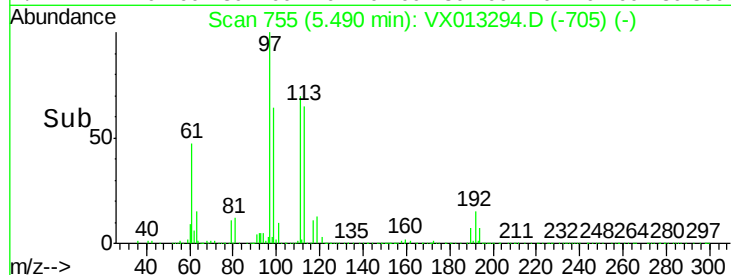
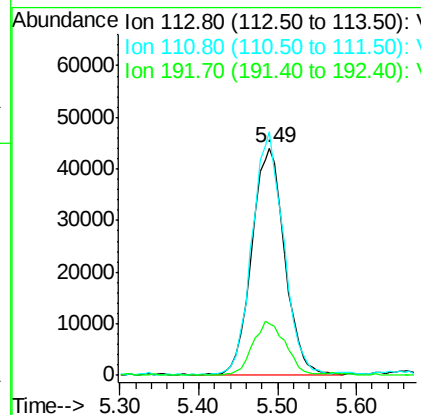
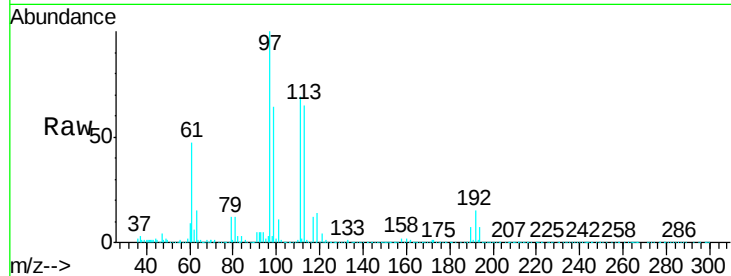
ClientSampleId :

VSTDIC020

Tgt Ion:	113	Resp:	127897
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.9	122.9
192	23.9	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 20.427 ug/l

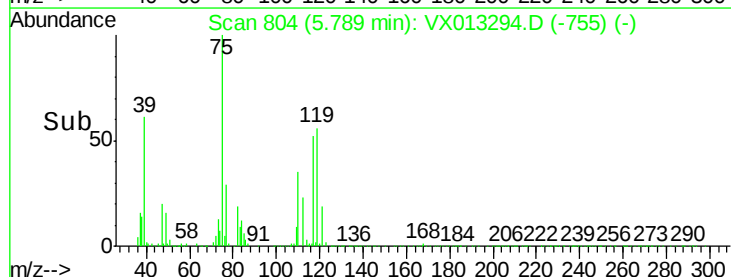
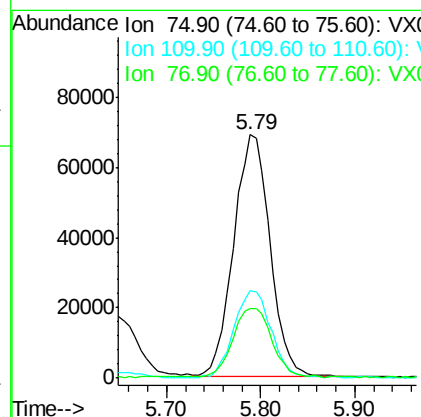
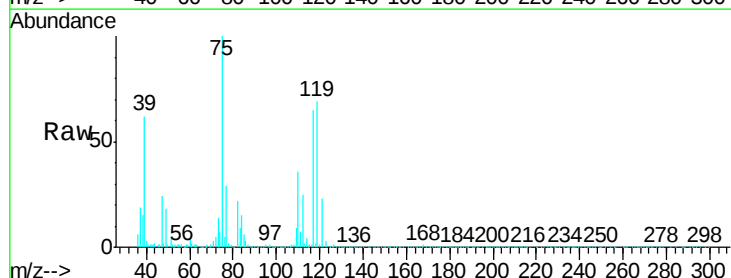
RT: 5.79 min Scan# 804

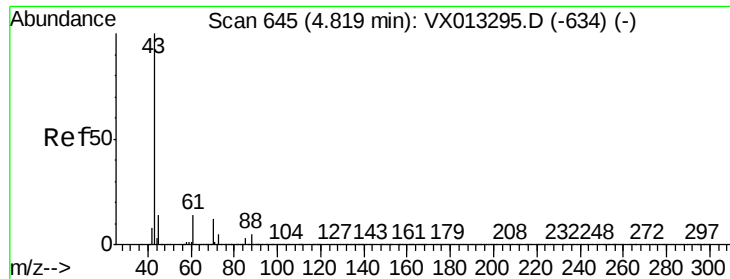
Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion:	75	Resp:	186458
Ion Ratio	Lower	Upper	
75	100		
110	37.4	18.1	54.1
77	30.6	25.0	37.4





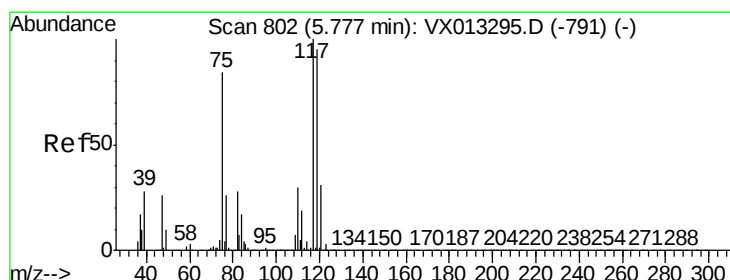
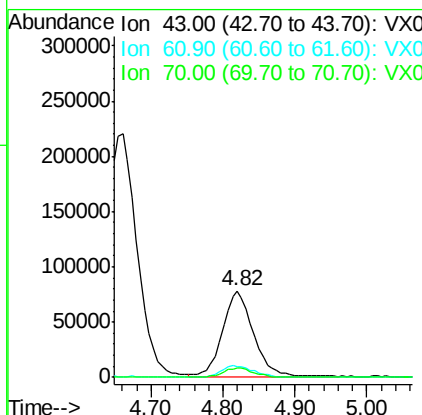
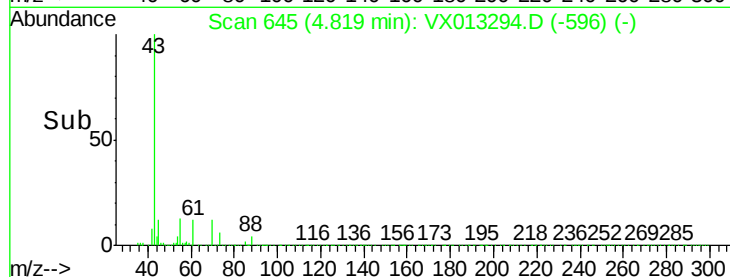
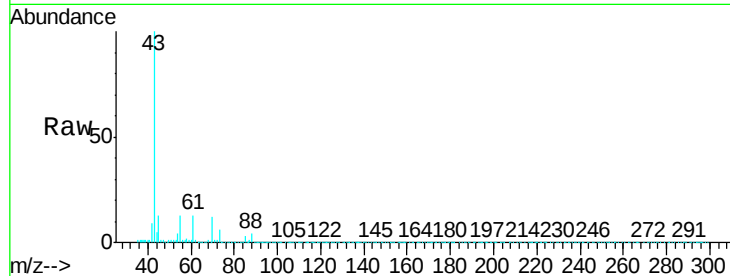
#37
Ethyl Acetate
Concen: 23.819 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	10.7	8.7	13.1

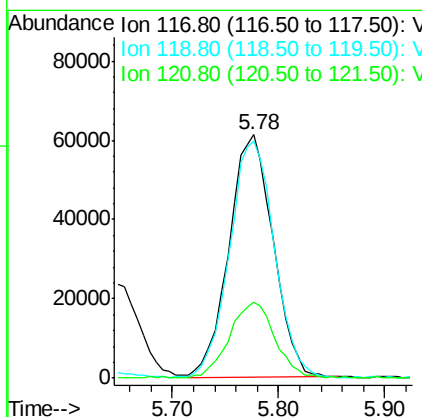
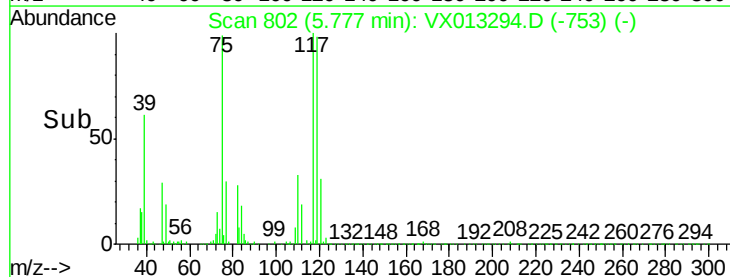
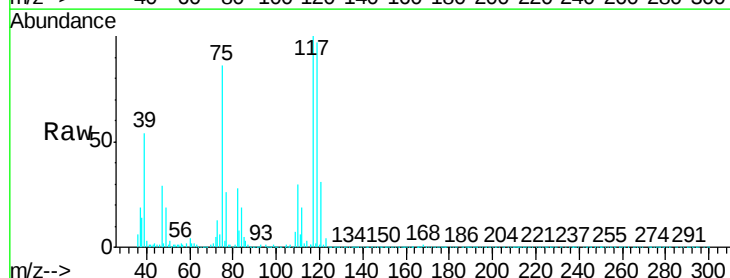
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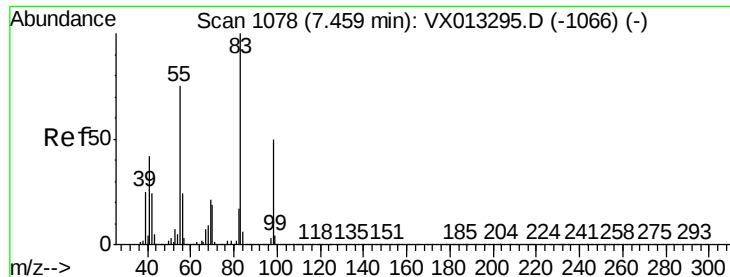
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#38
Carbon Tetrachloride
Concen: 18.921 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.1	114.1
121	31.0	24.6	37.0





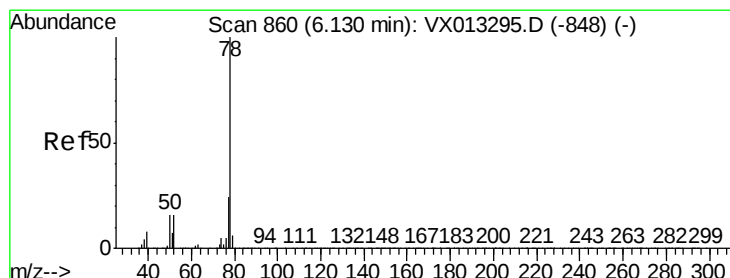
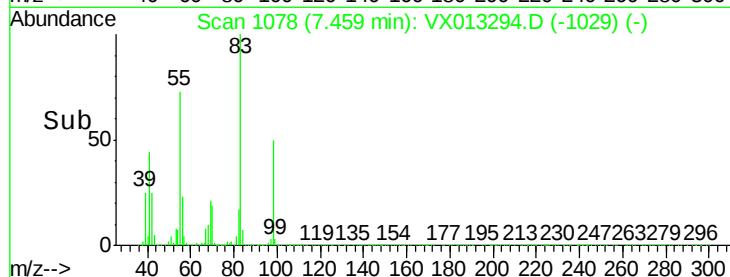
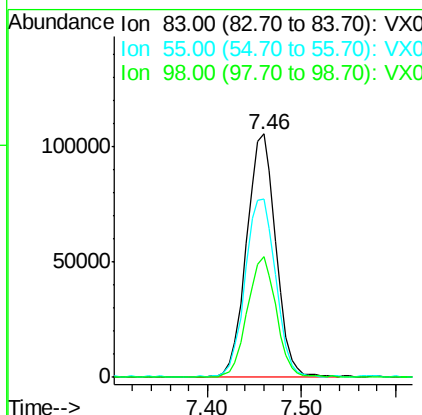
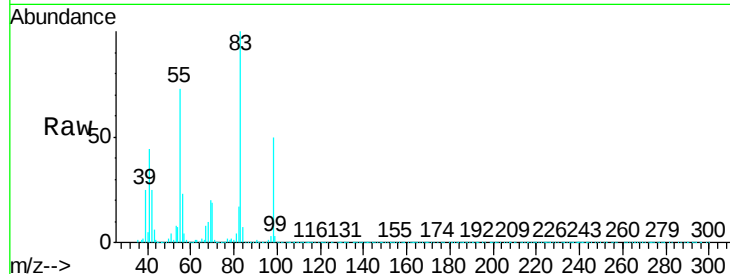
#39
Methylcyclohexane
Concen: 19.447 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.1	60.3	90.5
98	49.6	40.3	60.5

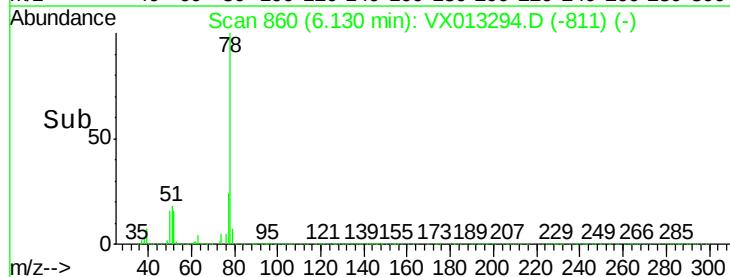
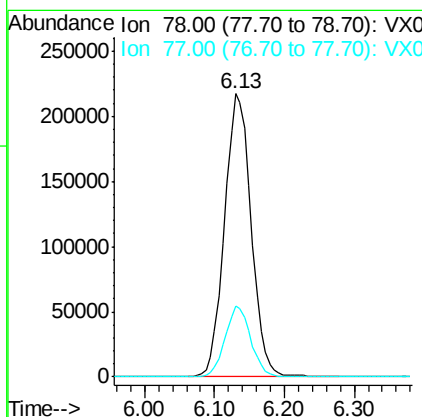
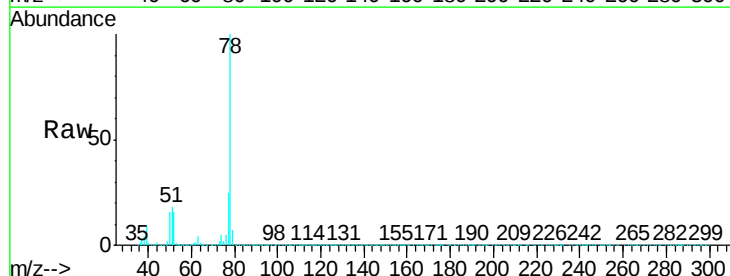
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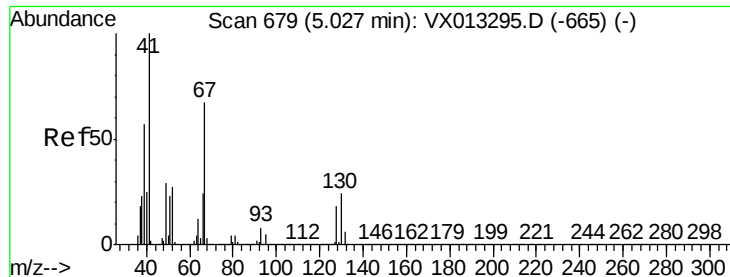
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#40
Benzene
Concen: 20.523 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.5	29.3





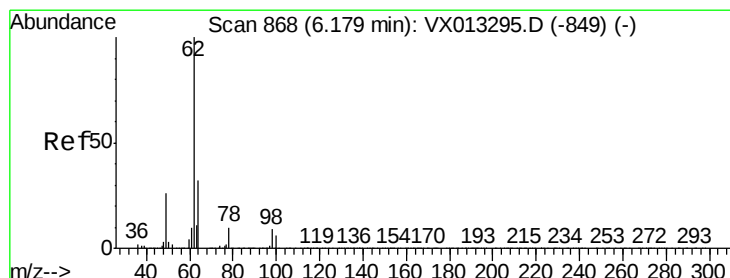
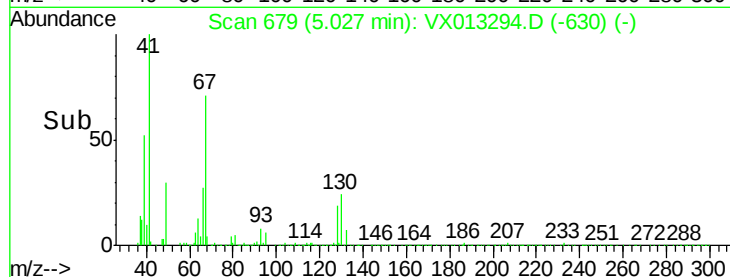
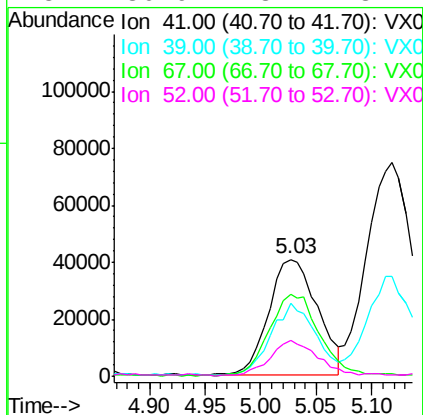
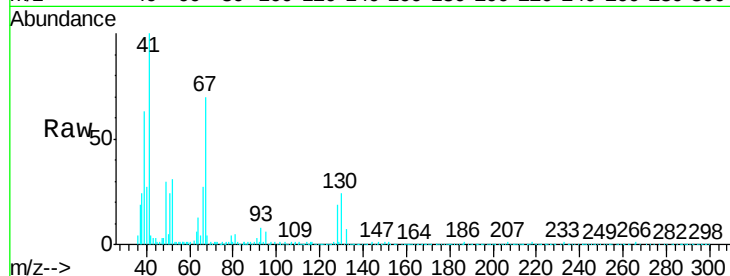
#41
Methacrylonitrile
Concen: 22.578 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.4	45.0	67.6
67	71.6	55.4	83.2
52	30.9	23.1	34.7

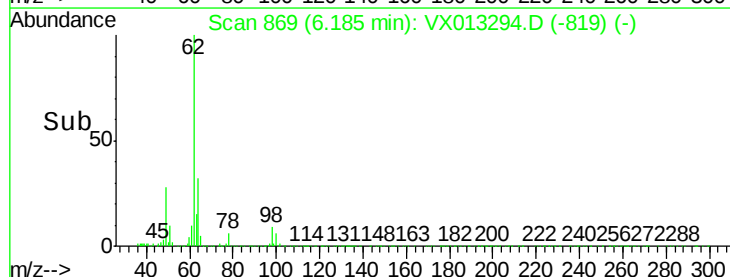
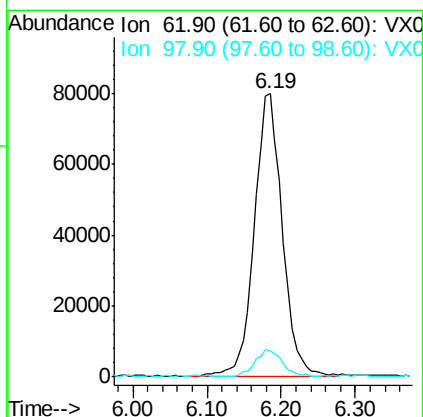
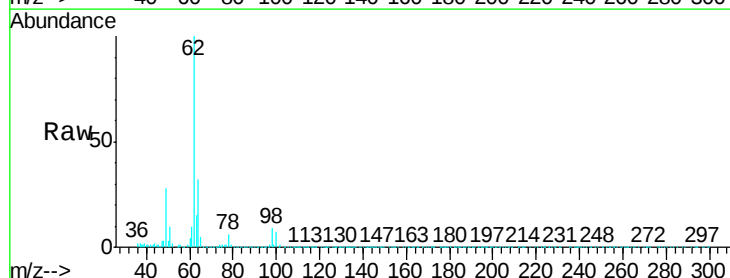
Manual Integrations
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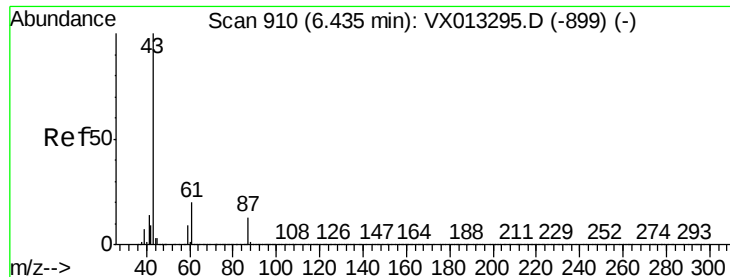
MMDadoda
11/4/2019 3:41:04 PM



#42
1,2-Dichloroethane
Concen: 21.464 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.4





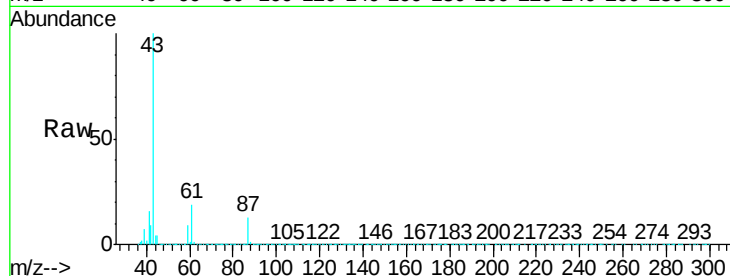
#43
Isopropyl Acetate
Concen: 22.108 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

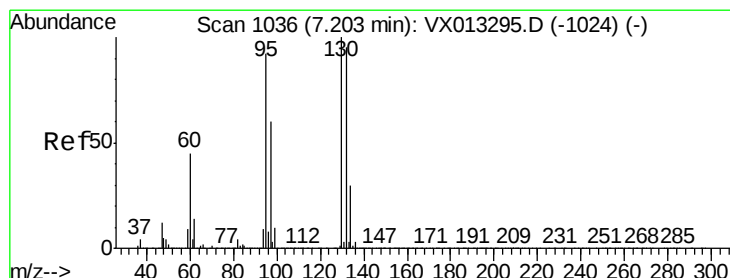
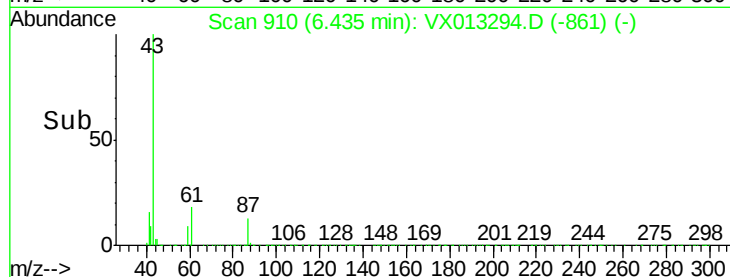
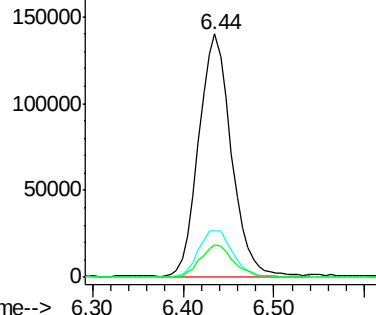
Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.8	23.8
87	13.8	10.4	15.6

Manual Integrations
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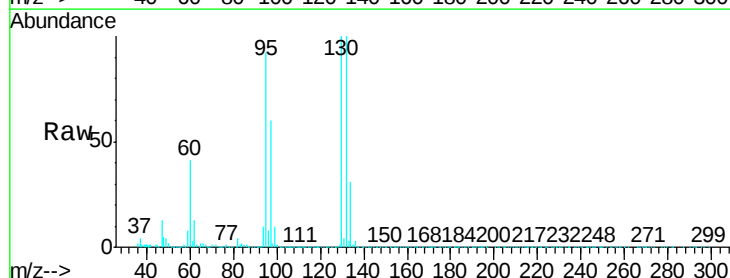


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

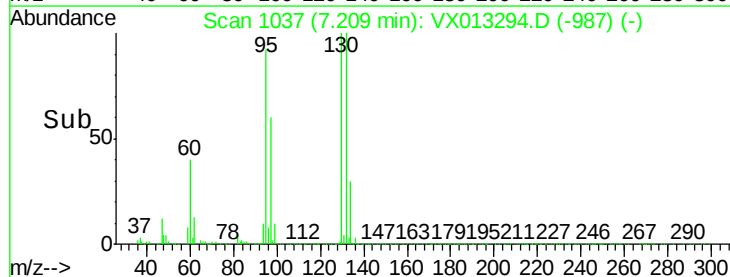
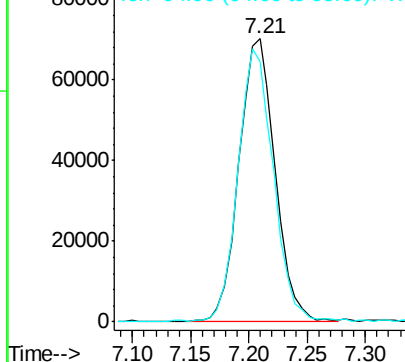


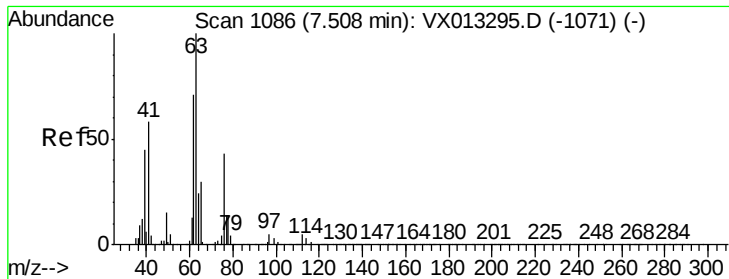
#44
Trichloroethene
Concen: 18.525 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	184.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





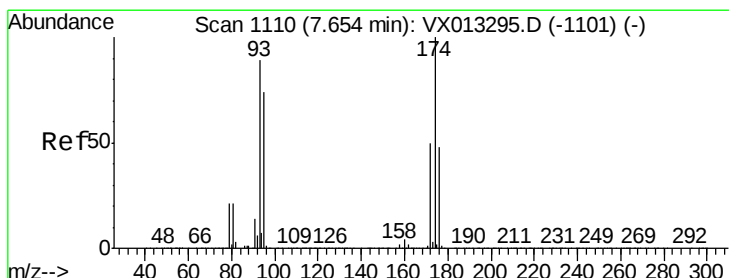
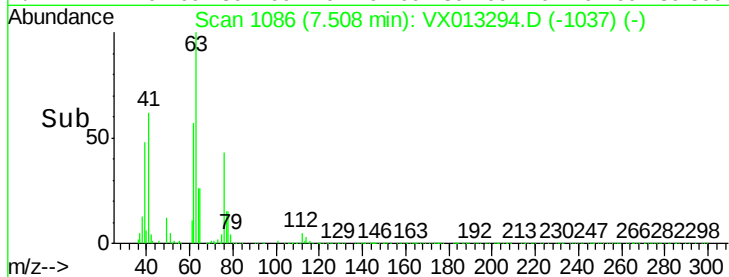
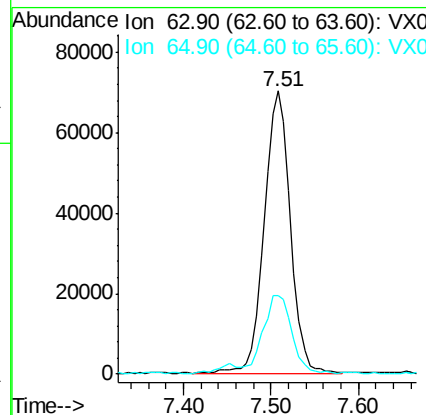
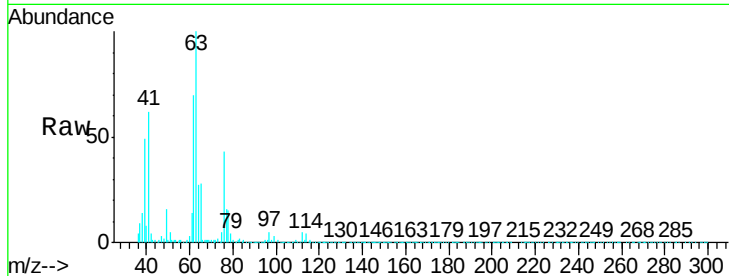
#45
1,2-Dichloropropane
Concen: 20.472 ug/l
RT: 7.51 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
63	100		
65	27.5	24.3	36.5

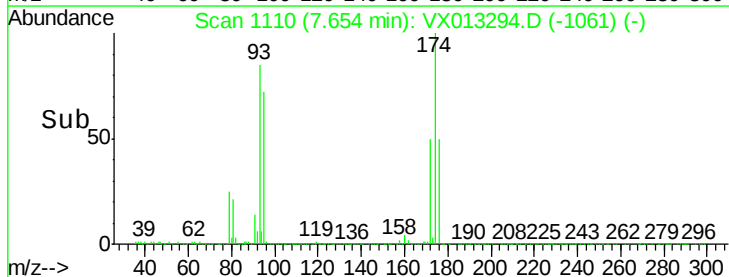
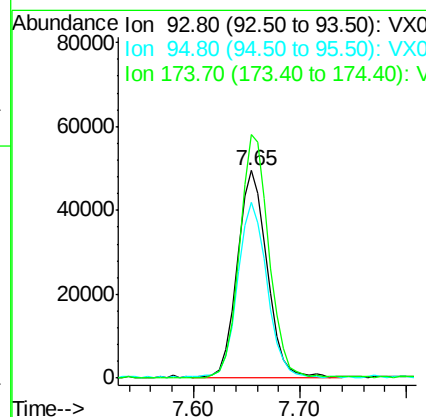
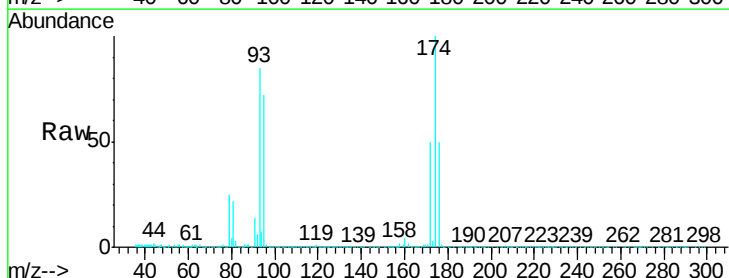
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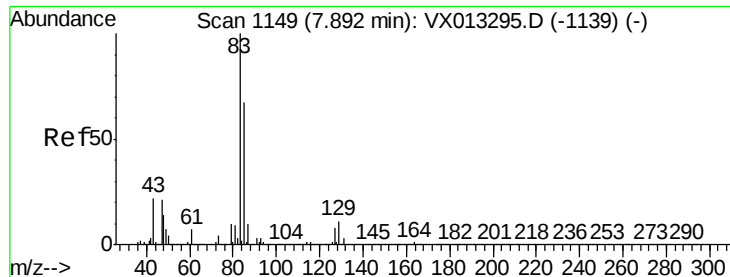
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#46
Dibromomethane
Concen: 19.540 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.6
174	114.0	90.4	135.6





#47

Bromodichloromethane

Concen: 20.399 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

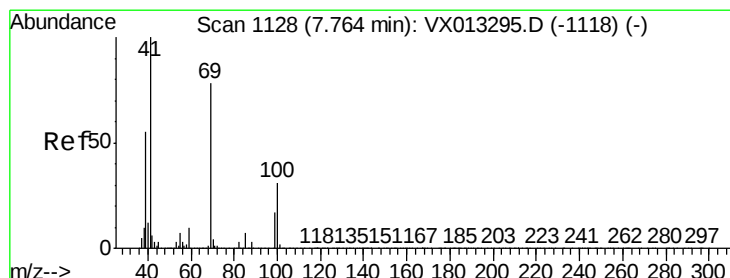
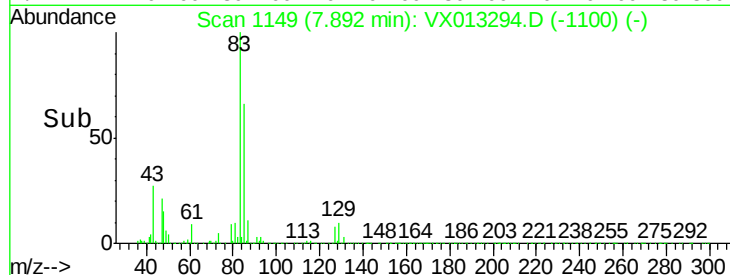
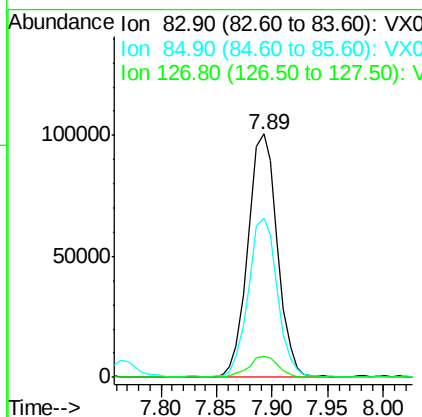
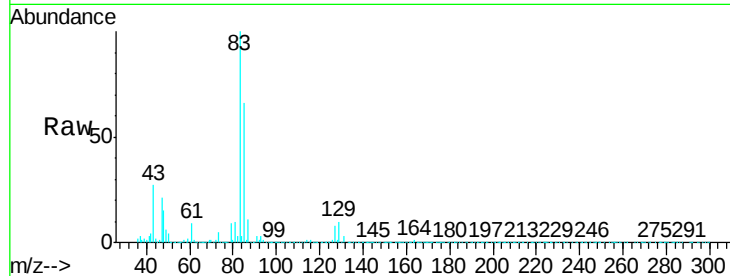
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	185143
Ion Ratio	Lower	Upper	
83	100		
85	65.3	53.7	80.5
127	8.2	6.4	9.6

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#48

Methyl methacrylate

Concen: 22.852 ug/l

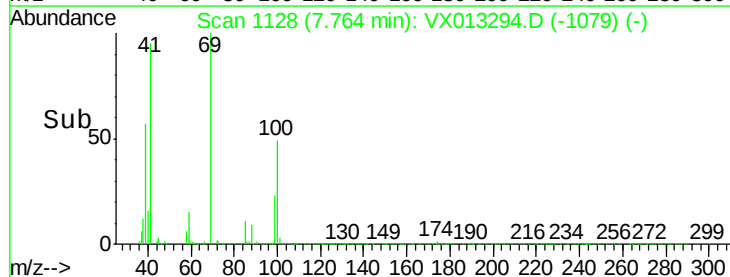
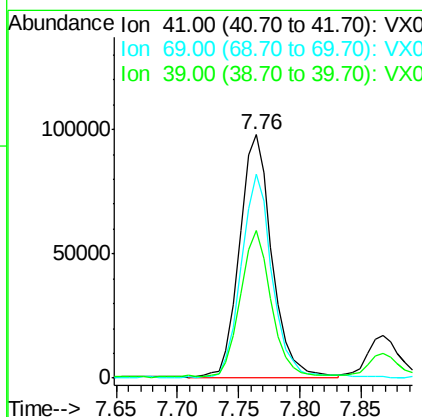
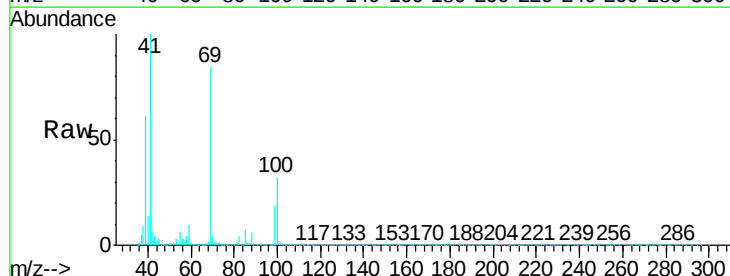
RT: 7.76 min Scan# 1128

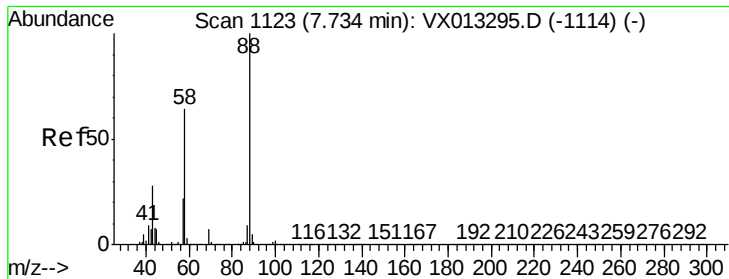
Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion:	41	Resp:	177833
Ion Ratio	Lower	Upper	
41	100		
69	82.0	63.0	94.6
39	57.7	45.9	68.9





#49

1,4-Dioxane

Concen: 373.670 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

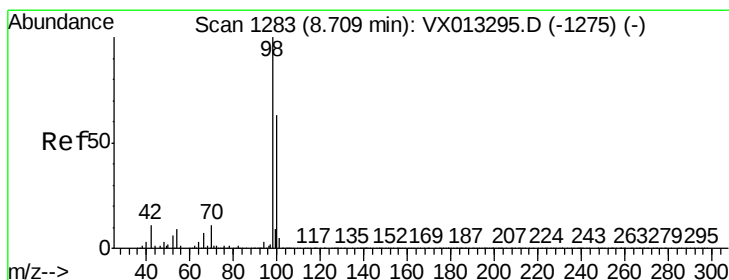
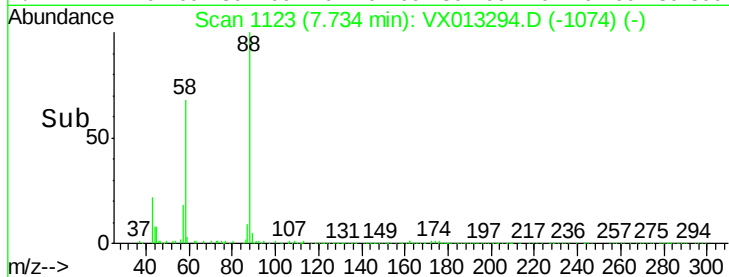
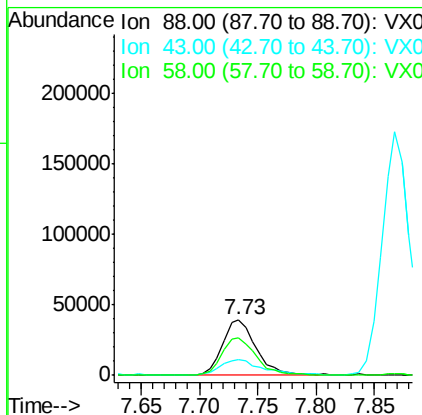
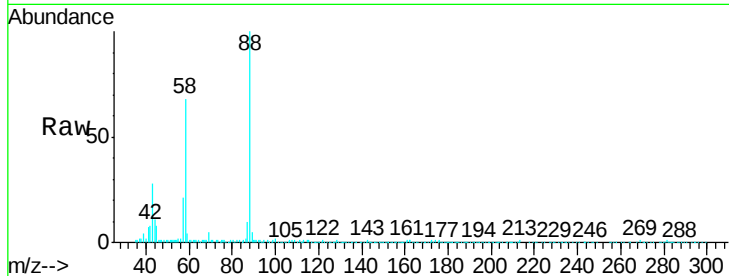
ClientSampleId :

VSTDIC020

Tgt Ion:	88	Resp:	77745
Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.6	39.8
58	69.9	55.0	82.6

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#50

Toluene-d8

Concen: 18.828 ug/l

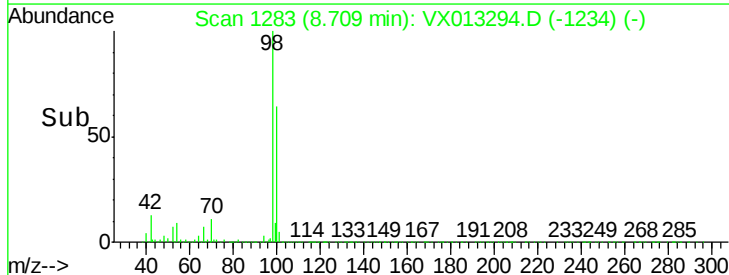
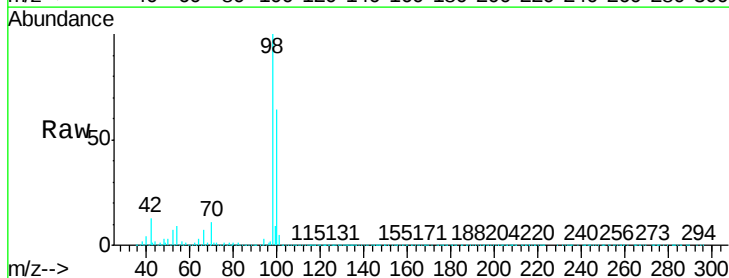
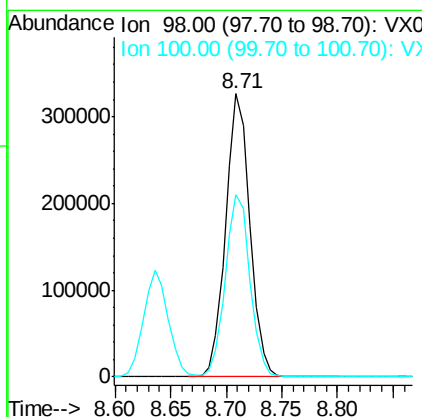
RT: 8.71 min Scan# 1283

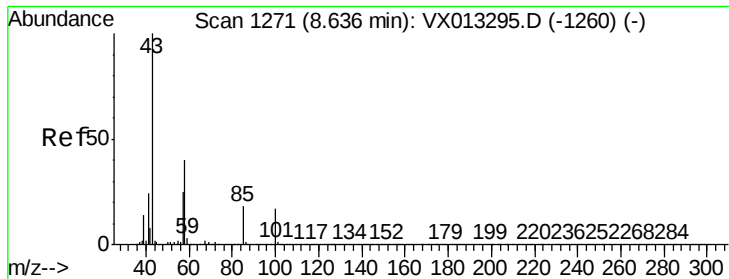
Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion:	98	Resp:	489690
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 115.011 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 1177578

Ion Ratio Lower Upper

43 100

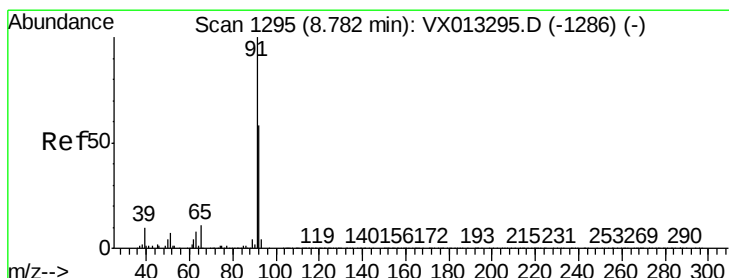
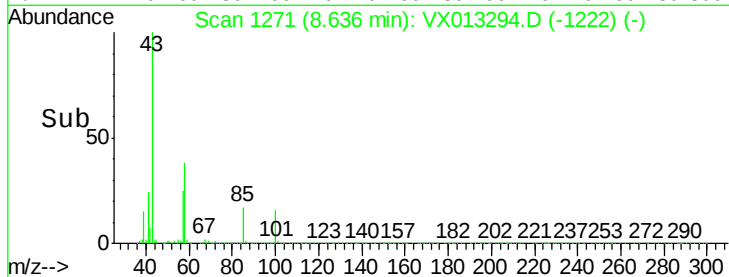
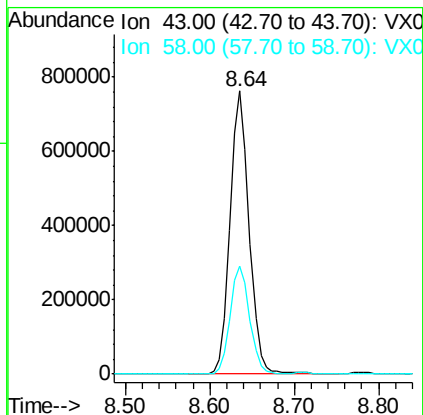
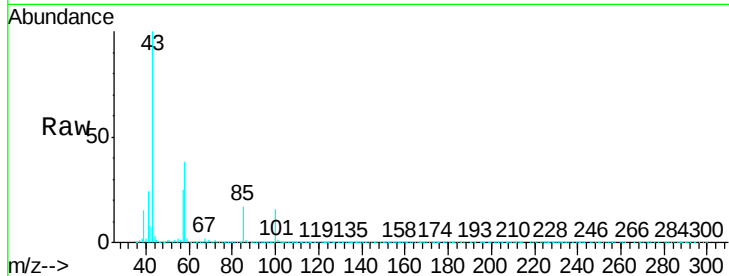
58 38.7 31.4 47.0

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#52

Toluene

Concen: 20.013 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013294.D

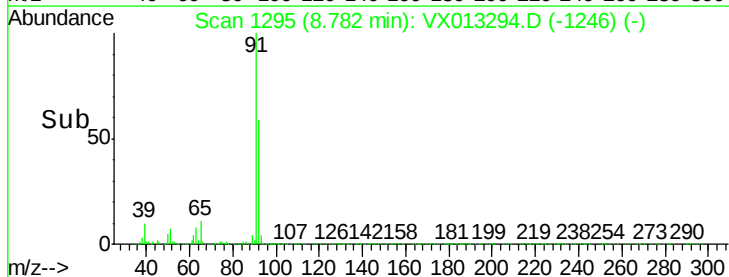
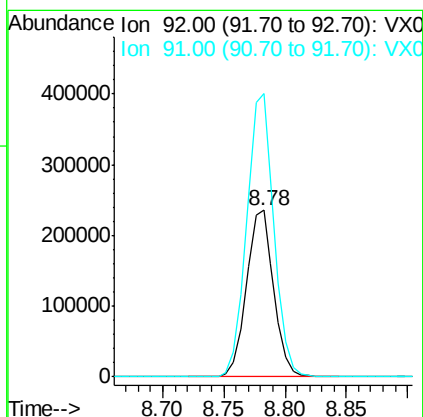
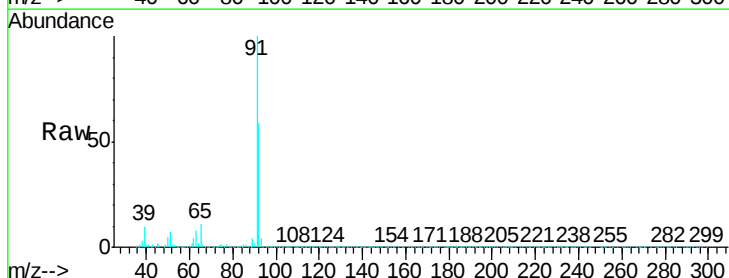
Acq: 31 Oct 2019 17:05

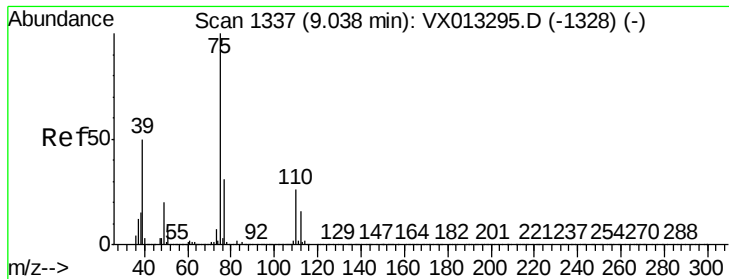
Tgt Ion: 92 Resp: 363680

Ion Ratio Lower Upper

92 100

91 170.3 138.0 207.0





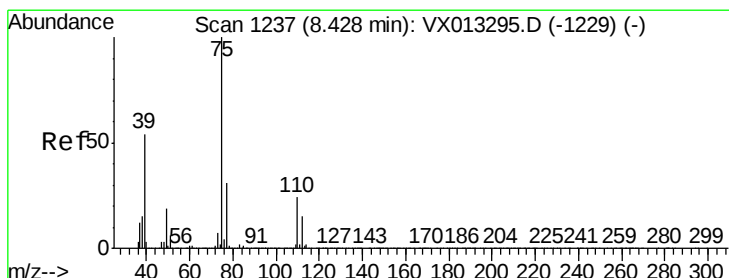
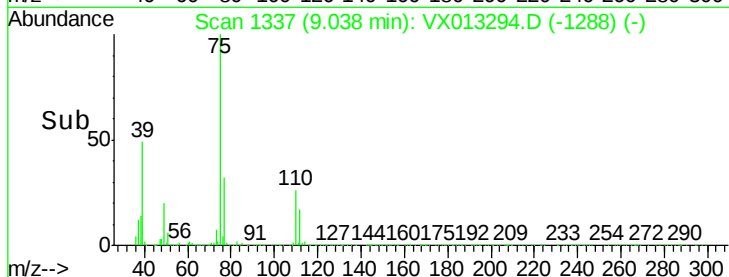
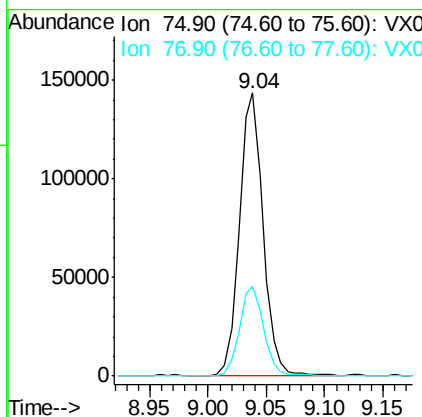
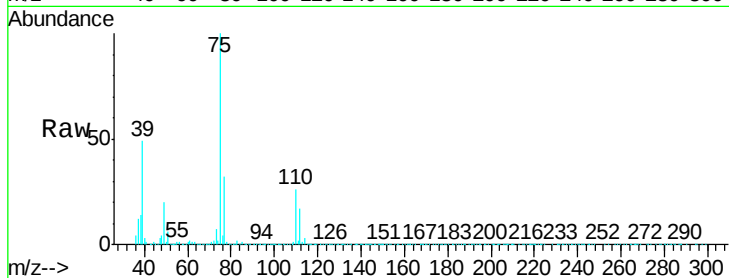
#53
t-1,3-Dichloropropene
Concen: 20.674 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 202436
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.4

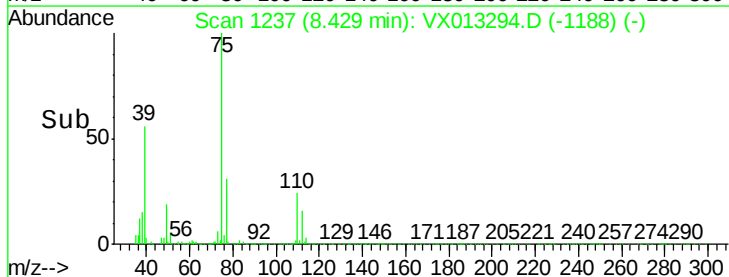
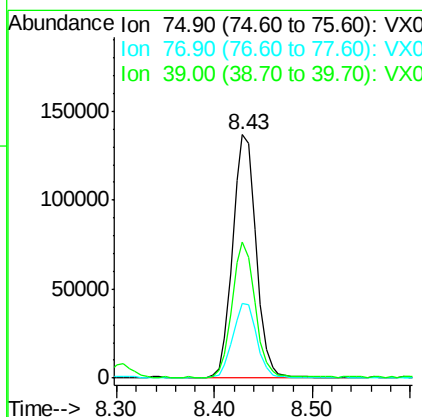
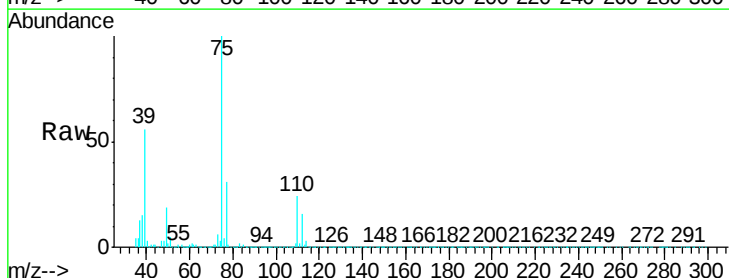
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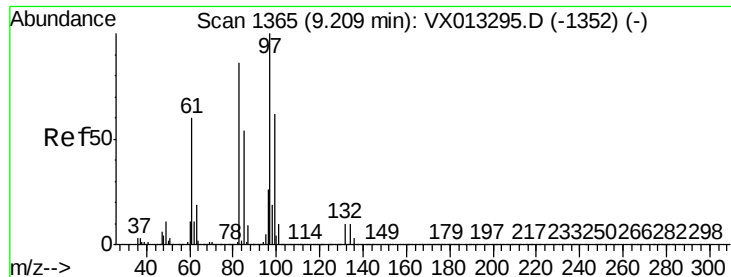
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#54
cis-1,3-Dichloropropene
Concen: 20.973 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion: 75 Resp: 227572
Ion Ratio Lower Upper
75 100
77 30.6 24.7 37.1
39 55.8 43.0 64.6





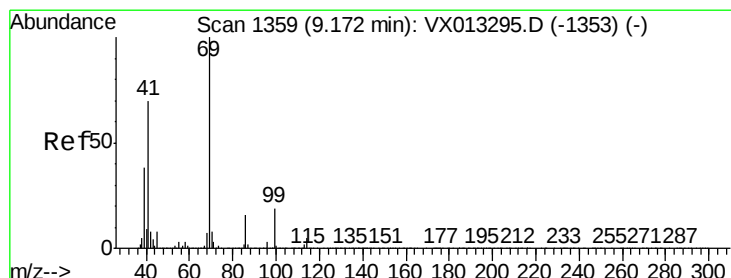
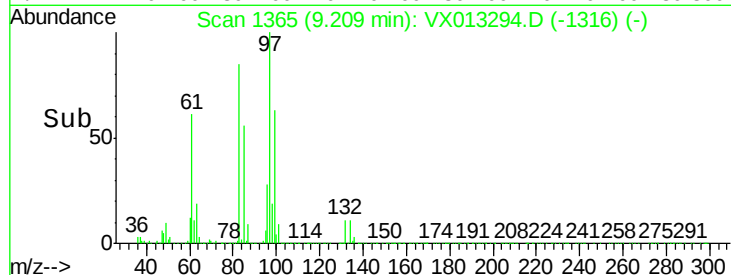
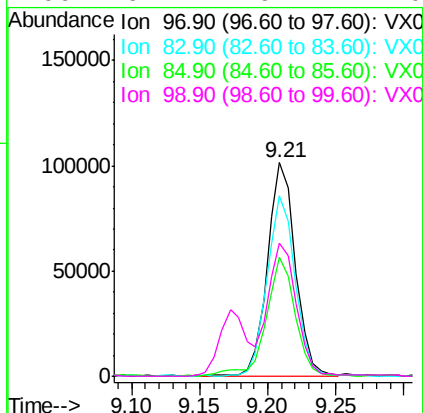
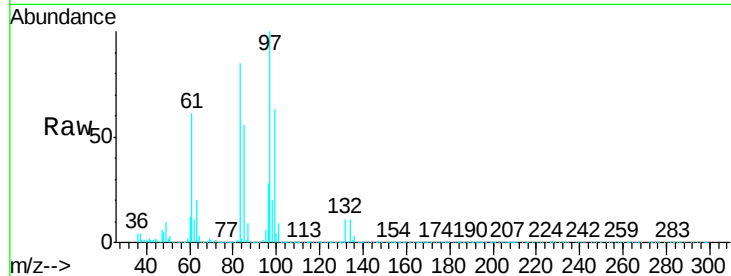
#55
 1,1,2-Trichloroethane
 Concen: 19.512 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	146363		
83	84.5	68.6	103.0	
85	55.6	43.1	64.7	
99	62.4	49.4	74.0	

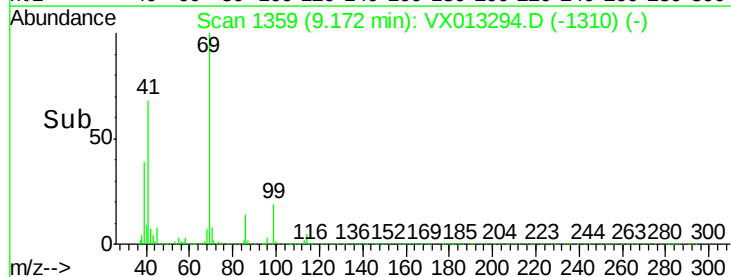
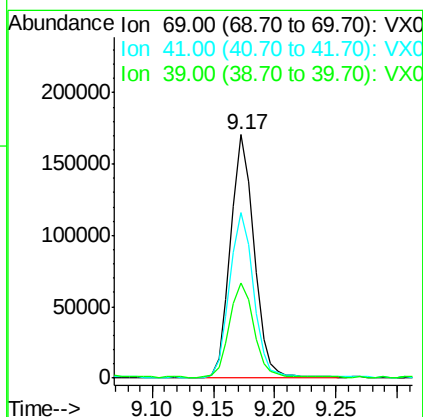
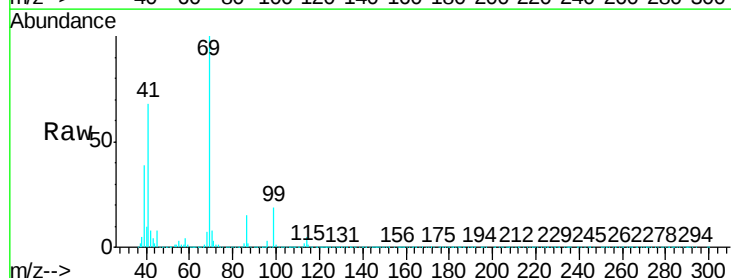
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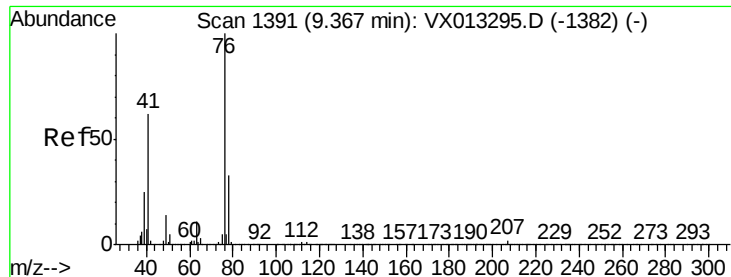
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#56
 Ethyl methacrylate
 Concen: 20.605 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	228100		
41	68.9	56.2	84.2	
39	40.3	31.1	46.7	





#57

1,3-Dichloropropane

Concen: 20.478 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 246482

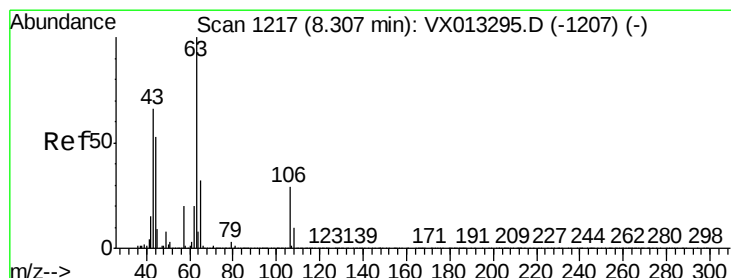
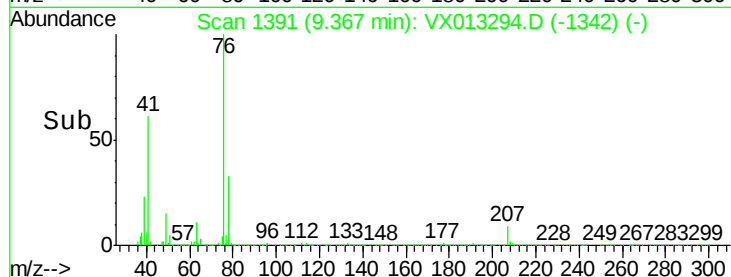
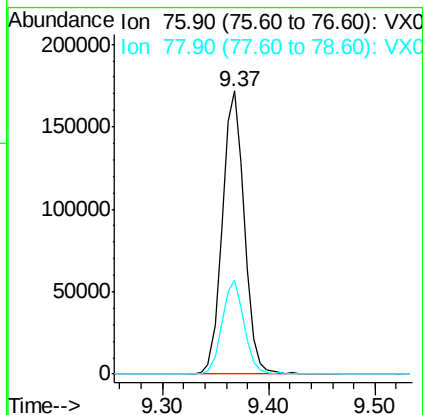
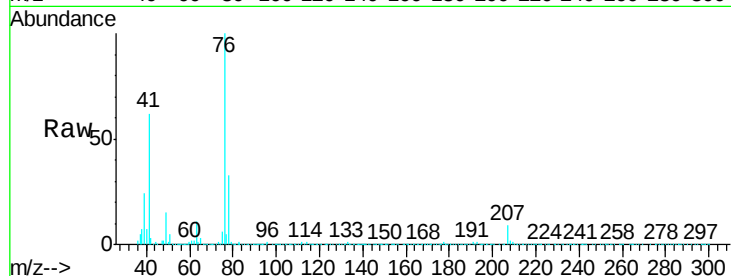
Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 99.010 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013294.D

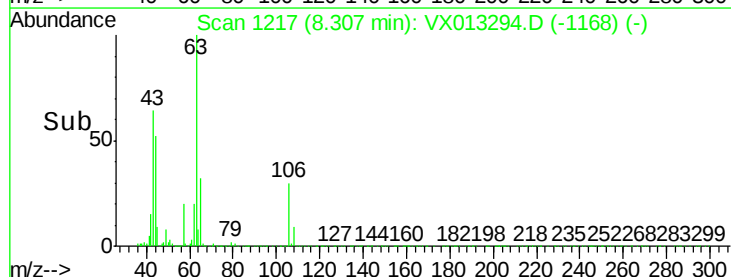
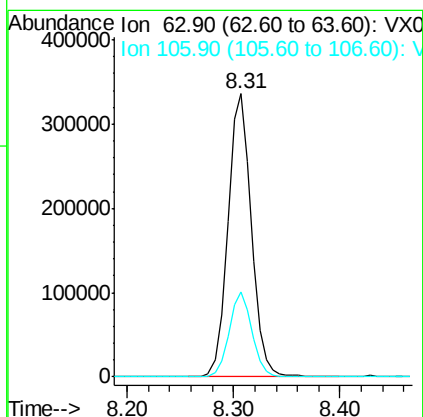
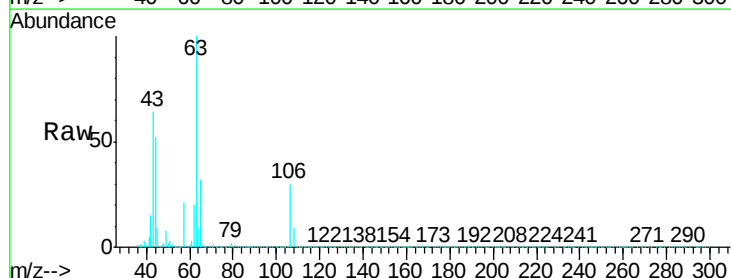
Acq: 31 Oct 2019 17:05

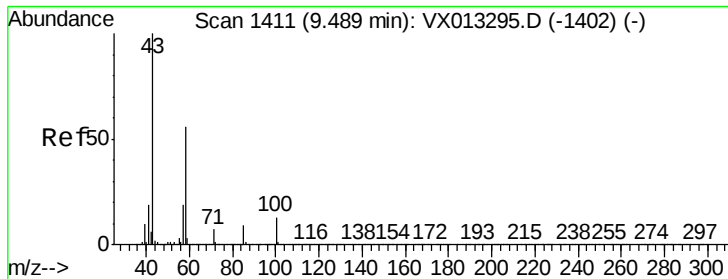
Tgt Ion: 63 Resp: 518118

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.2





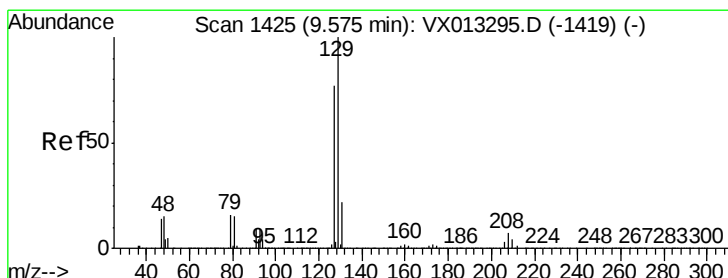
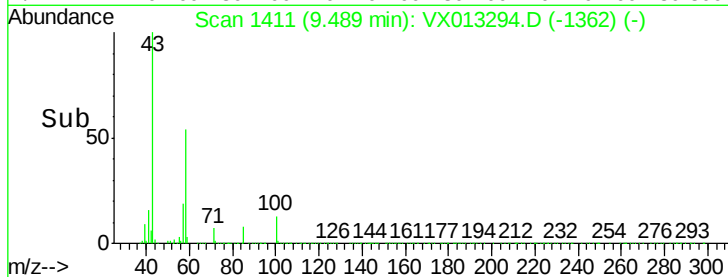
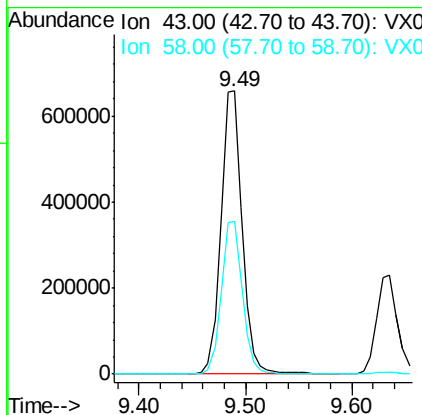
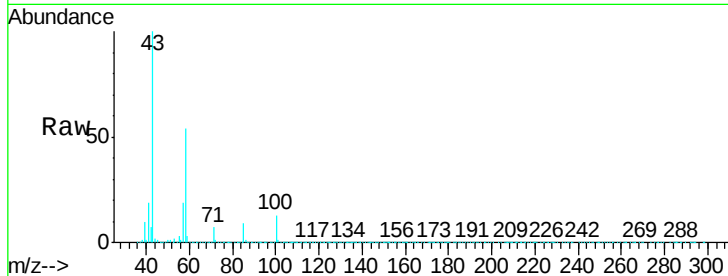
#59
2-Hexanone
Concen: 115.686 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 916738
Ion Ratio Lower Upper
43 100
58 54.1 27.3 81.8

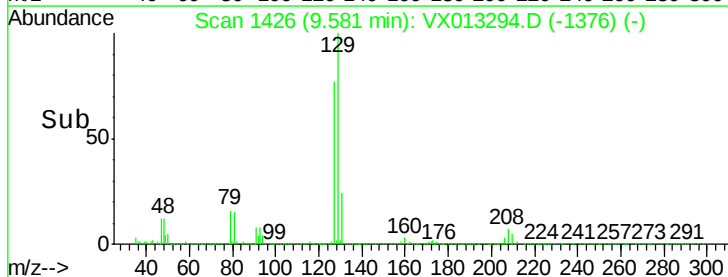
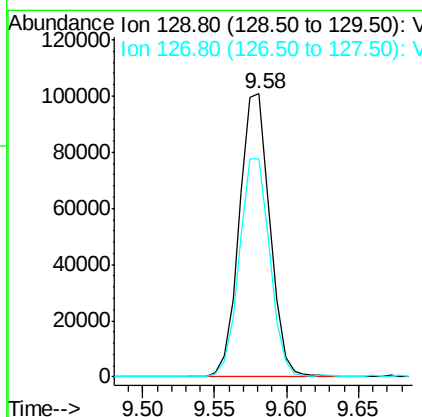
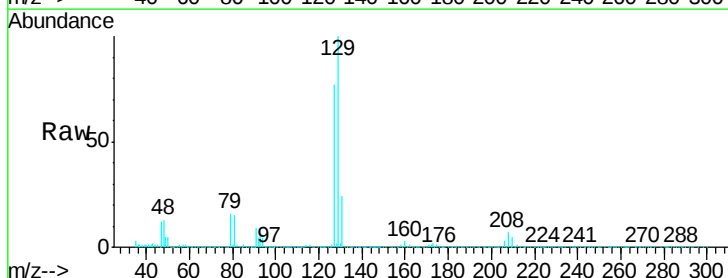
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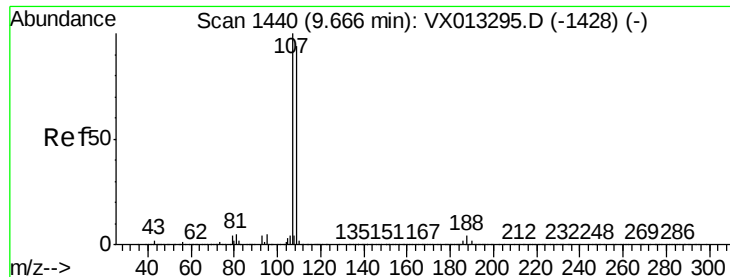
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#60
Dibromochloromethane
Concen: 19.518 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion: 129 Resp: 147705
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.461 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 107 Resp: 154569

Ion Ratio Lower Upper

107 100

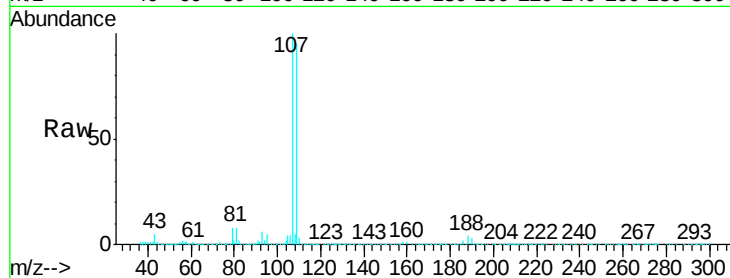
109 97.5 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

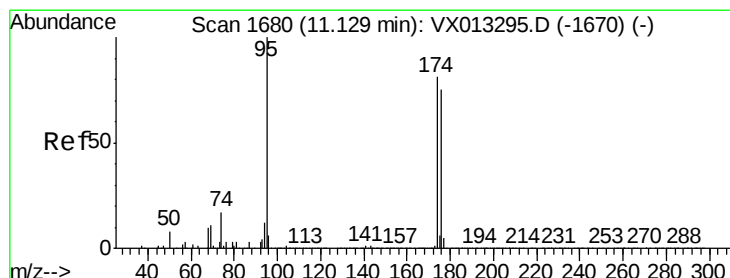
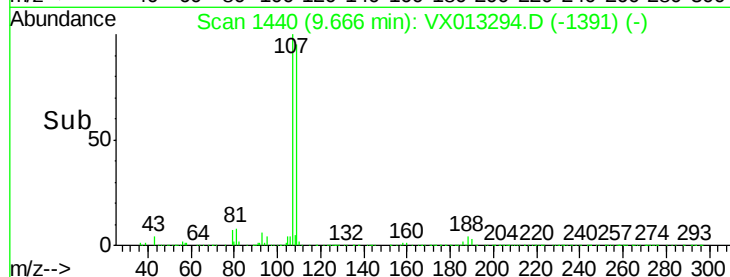
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 17.781 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

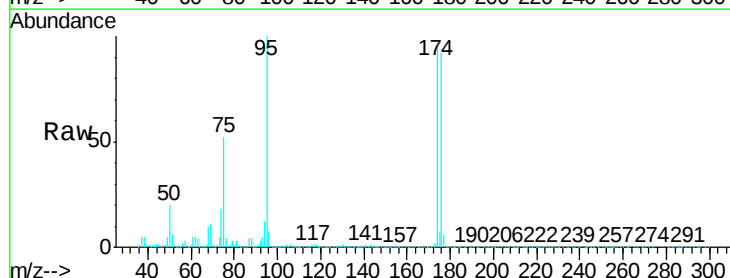
Tgt Ion: 95 Resp: 168375

Ion Ratio Lower Upper

95 100

174 91.1 0.0 179.8

176 87.1 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

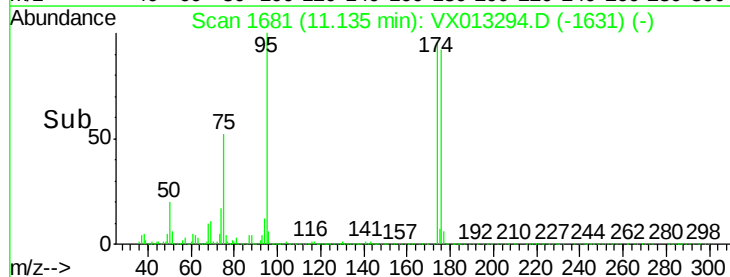
150000

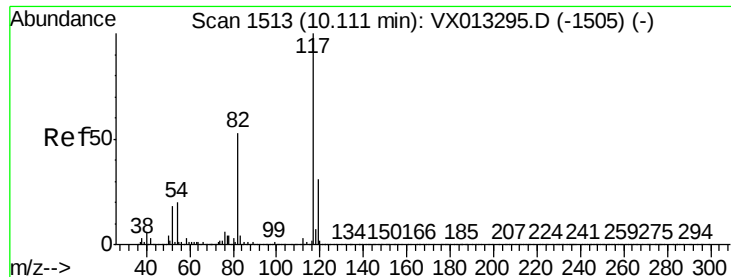
100000

50000

0

Time-->





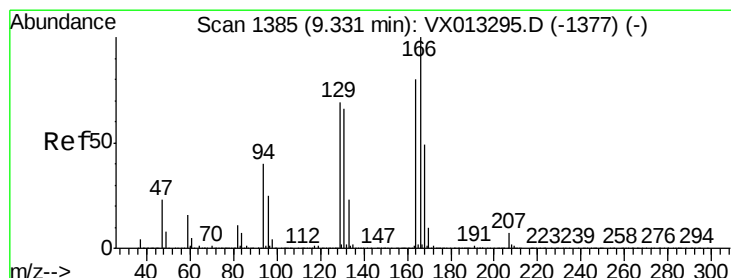
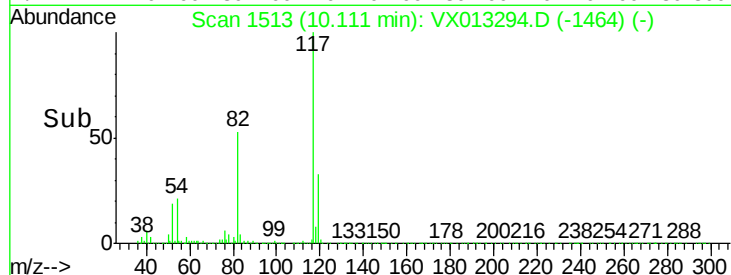
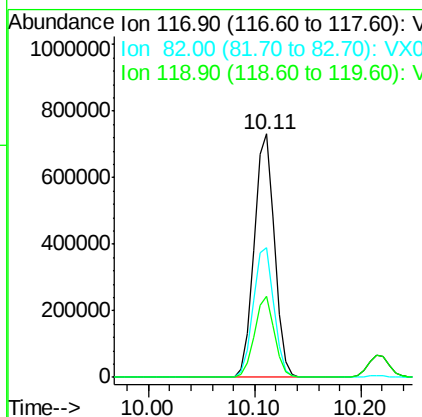
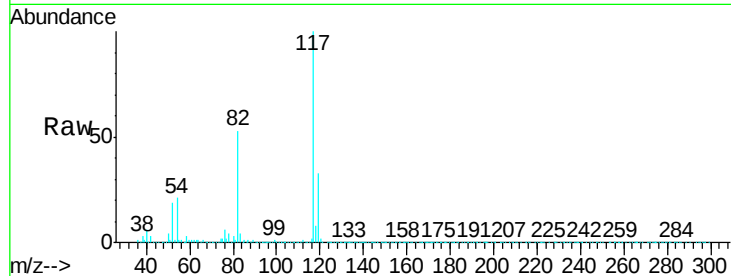
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.2	42.6	64.0
119	33.4	24.8	37.2

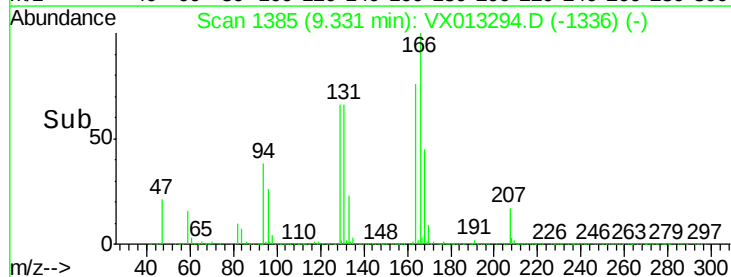
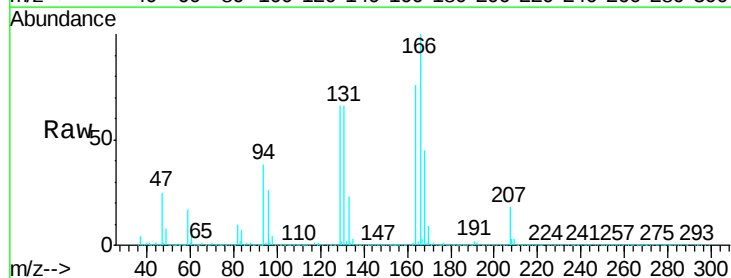
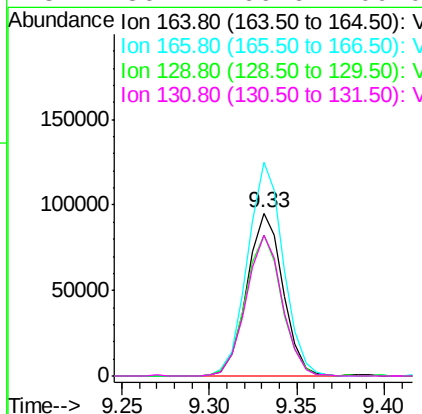
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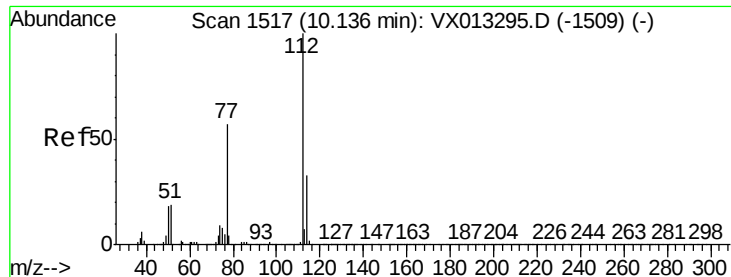
MMDadoda
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#64
Tetrachloroethene
Concen: 17.780 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	131.4	100.4	150.6
129	86.6	69.4	104.2
131	86.7	66.6	100.0





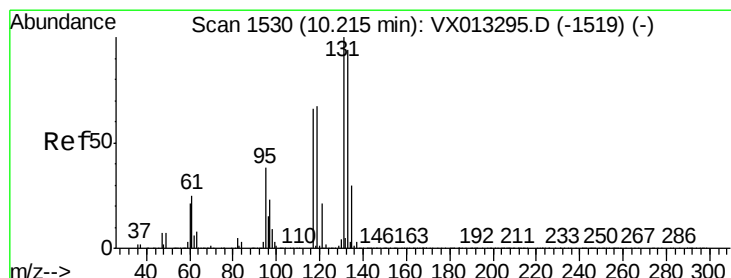
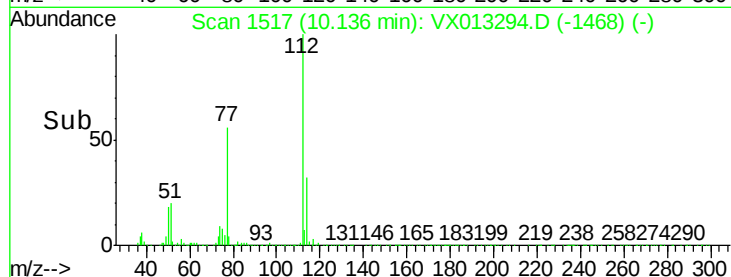
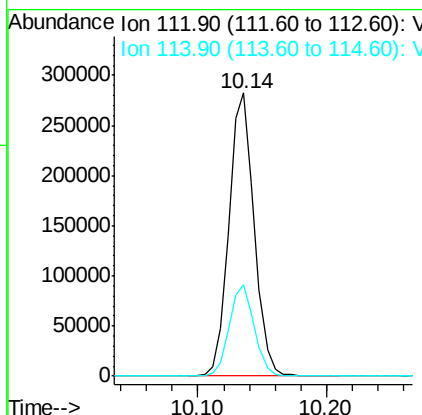
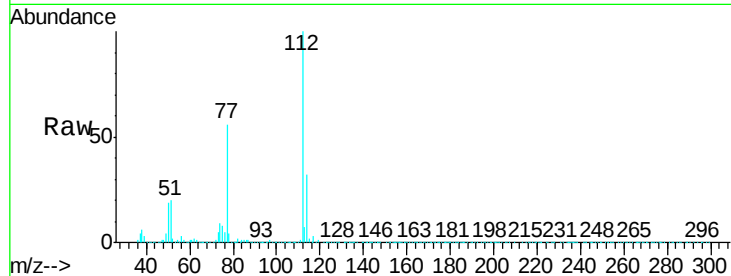
#65
Chlorobenzene
Concen: 19.051 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	386620		
114	32.1	26.4	39.6	

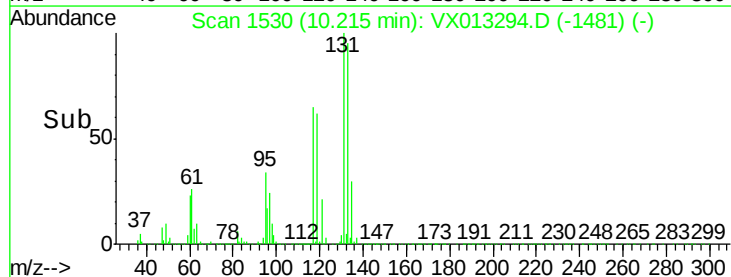
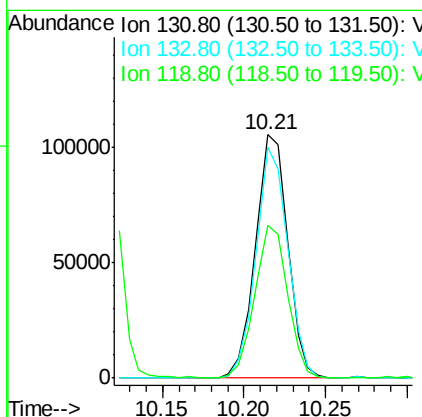
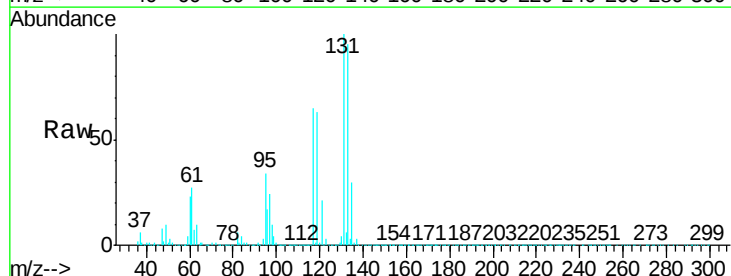
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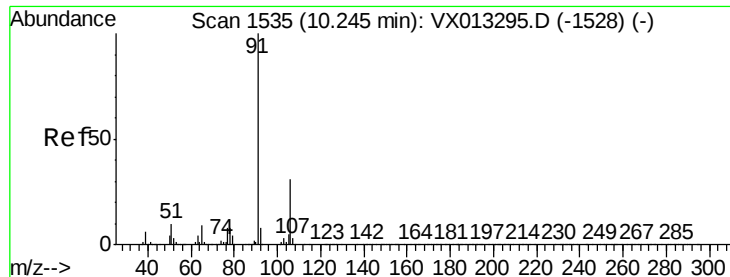
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.388 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	145554		
133	93.1	48.0	144.0	
119	64.2	33.0	99.0	





#67

Ethyl Benzene

Concen: 19.610 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 678413

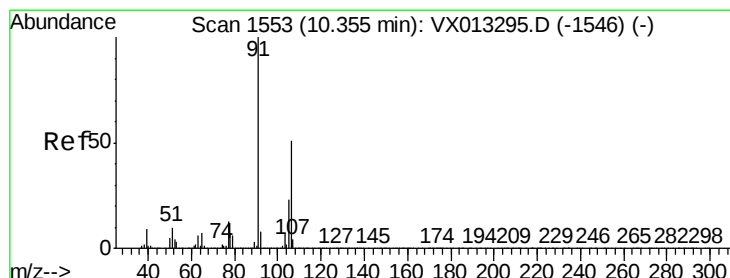
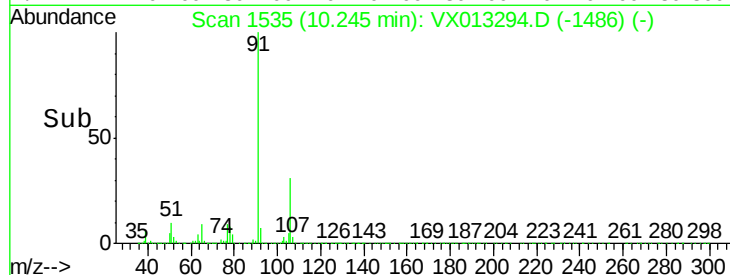
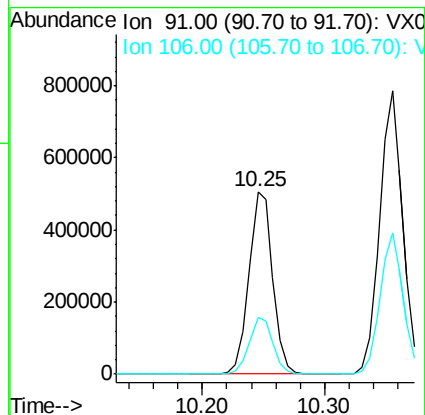
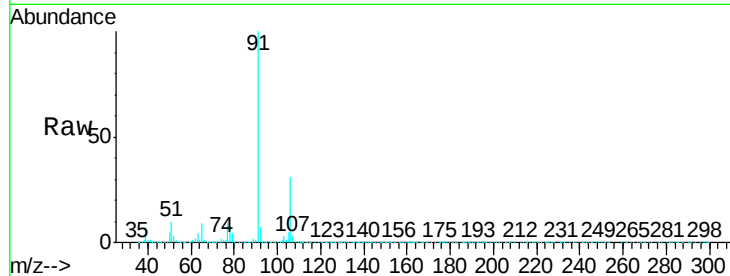
Ion Ratio Lower Upper

91 100

106 30.7 24.6 36.8

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#68

m/p-Xylenes

Concen: 38.819 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013294.D

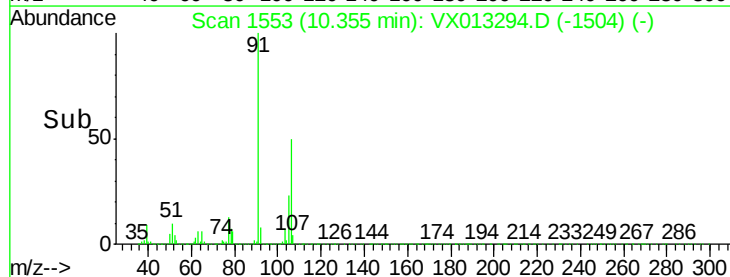
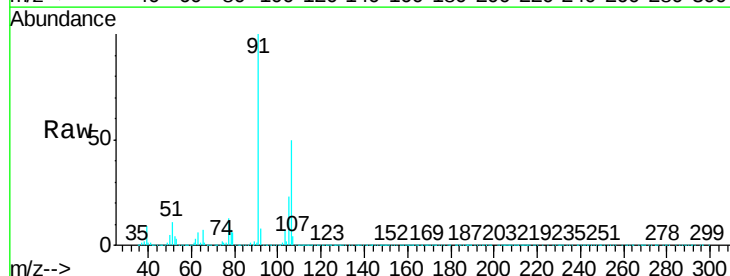
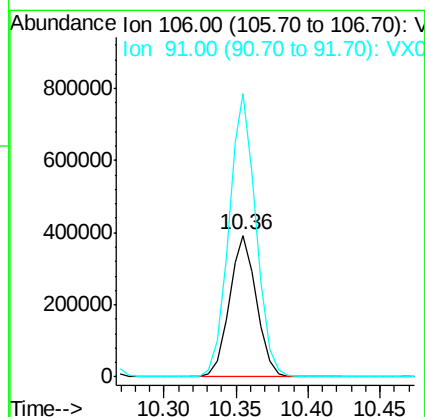
Acq: 31 Oct 2019 17:05

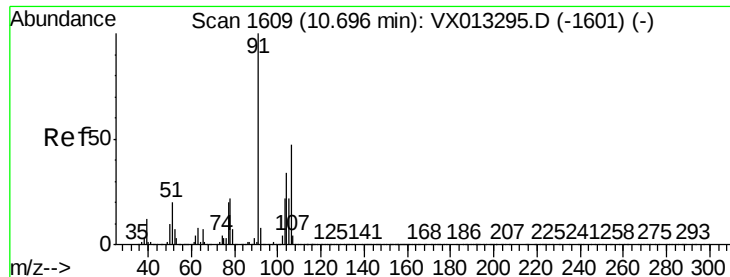
Tgt Ion: 106 Resp: 515080

Ion Ratio Lower Upper

106 100

91 199.9 159.3 238.9





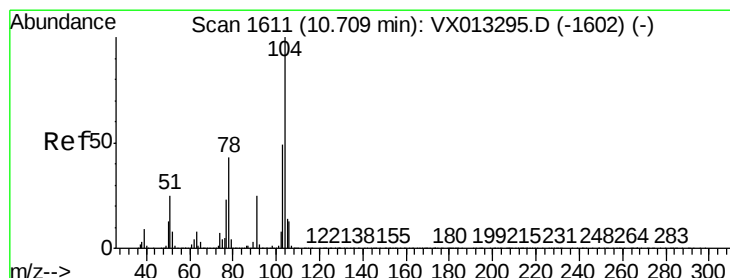
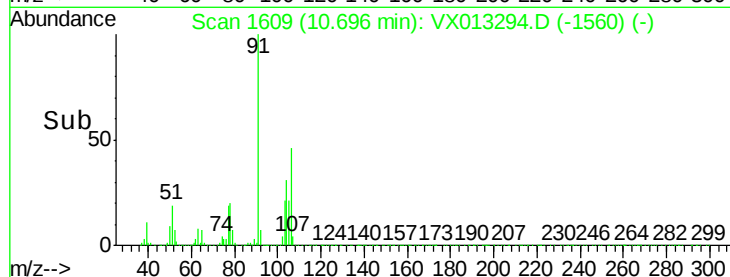
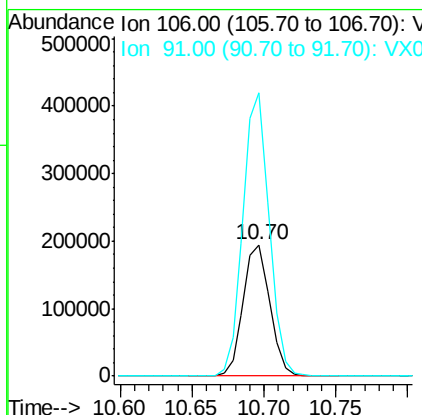
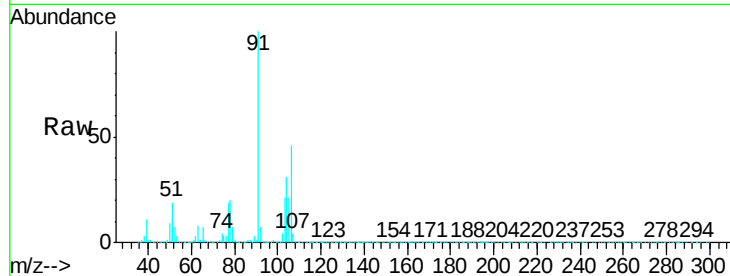
#69
o-Xylene
Concen: 19.443 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.6	105.7	317.0

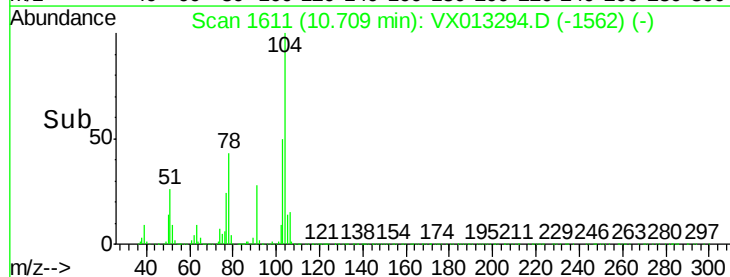
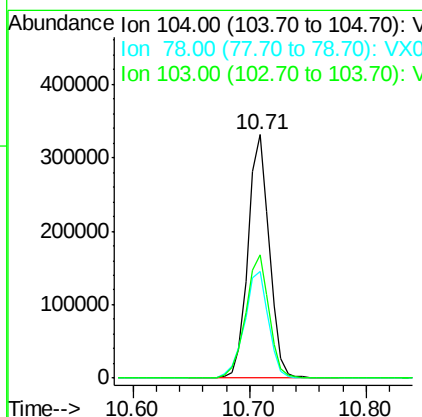
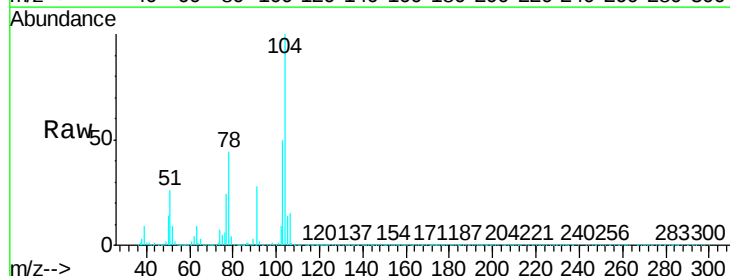
Manual Integrations
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#70
Styrene
Concen: 19.710 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	40.0	60.0
103	55.7	44.1	66.1





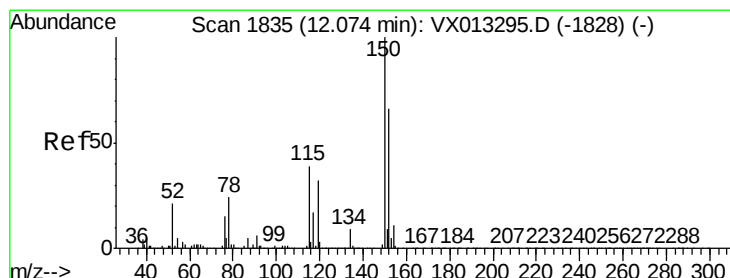
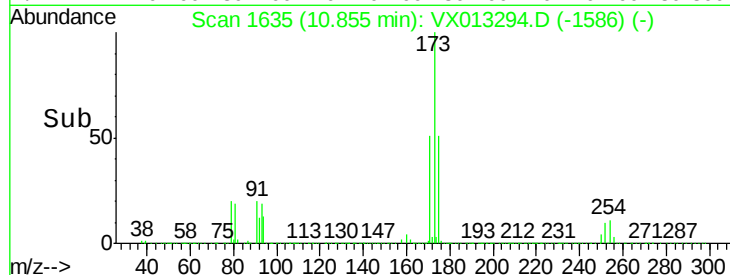
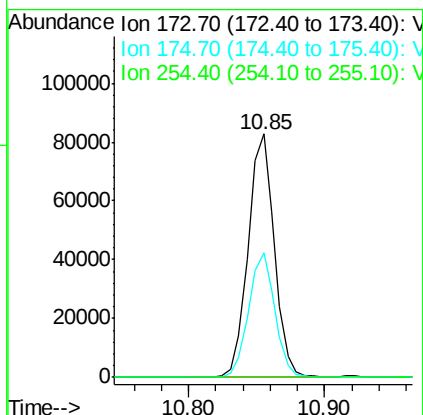
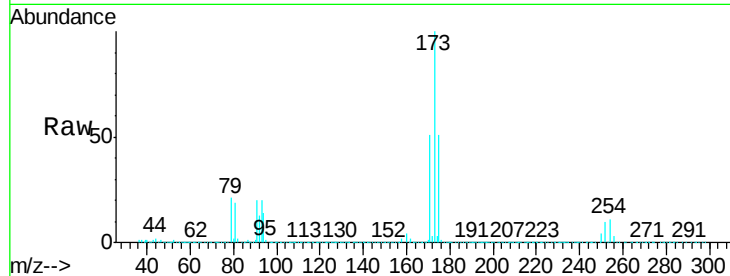
#71
Bromoform
Concen: 19.532 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
173	100			
175	51.5	24.8	74.4	
254	0.1	0.2	0.2	

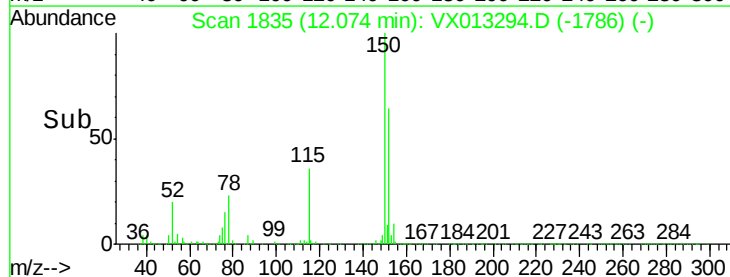
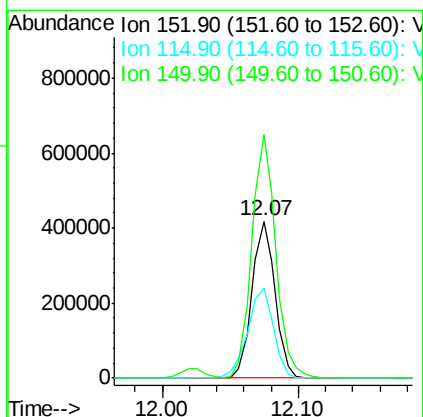
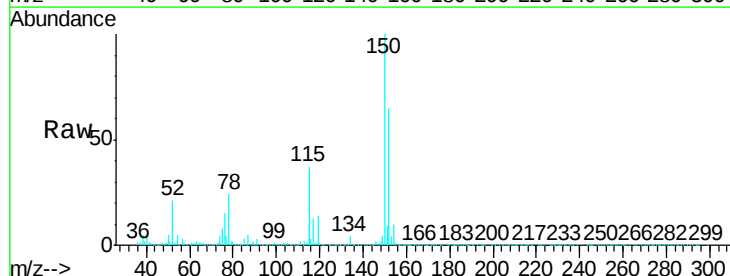
Manual Integrations
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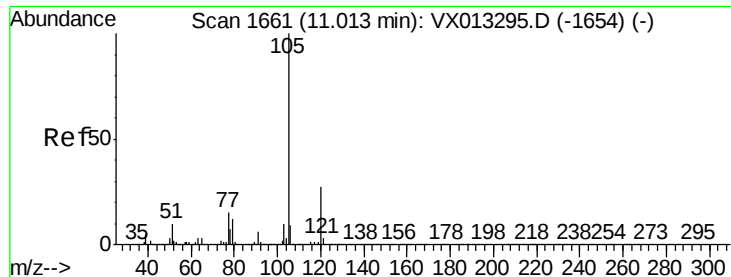
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
115	64.4	39.5	118.3	
150	160.9	0.0	344.4	





#73

Isopropylbenzene

Concen: 19.818 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 671914

Ion Ratio Lower Upper

105 100

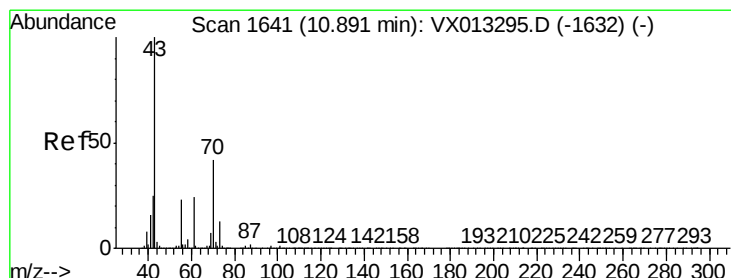
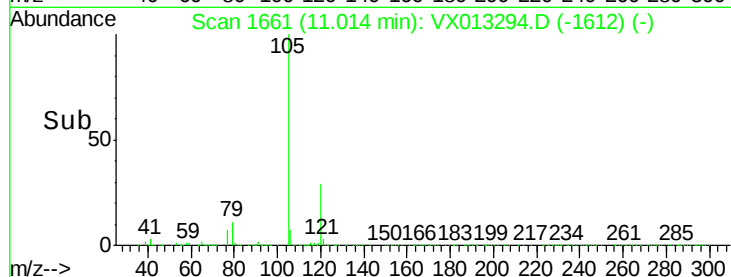
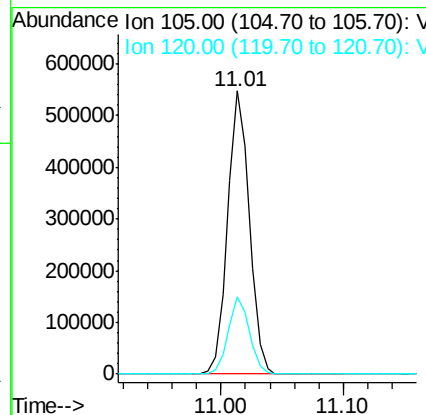
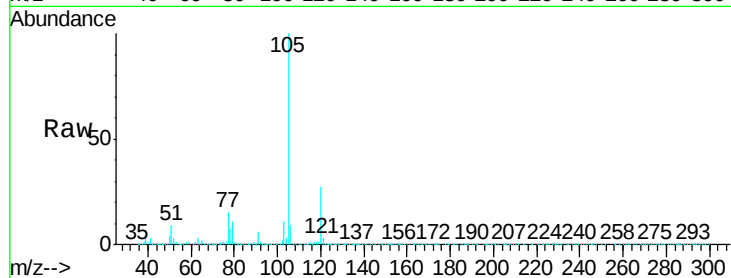
120 26.7

13.5 40.5

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#74

N-ethyl acetate

Concen: 22.393 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion: 43 Resp: 301453

Ion Ratio Lower Upper

43 100

70 43.2

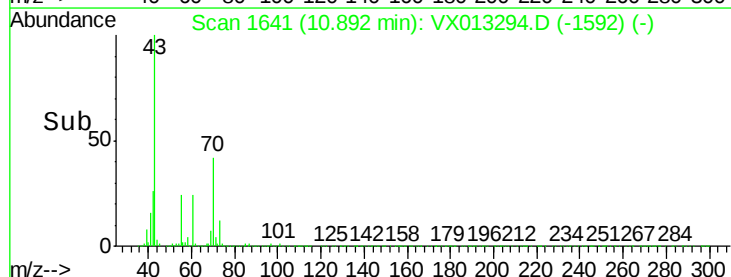
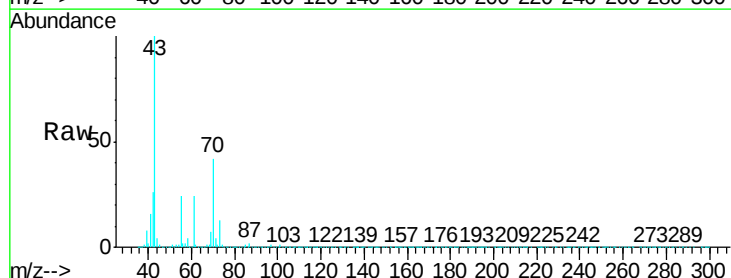
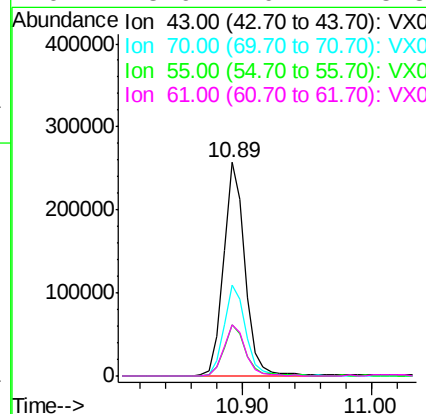
34.1 51.1

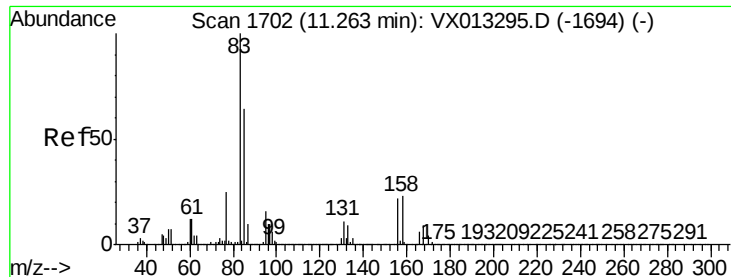
55 24.4

18.9 28.3

61 23.9

19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.128 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 237679

Ion Ratio Lower Upper

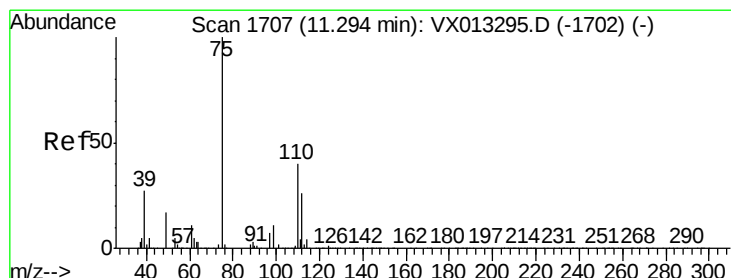
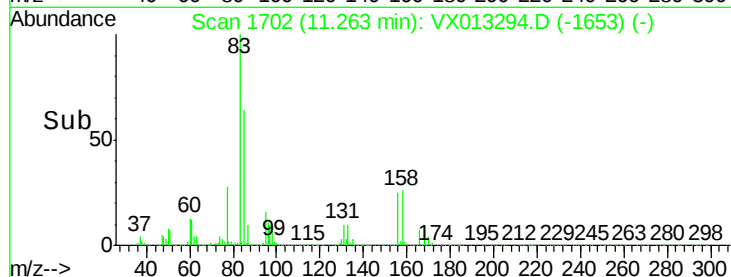
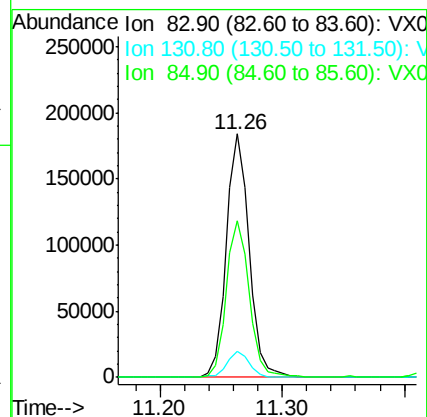
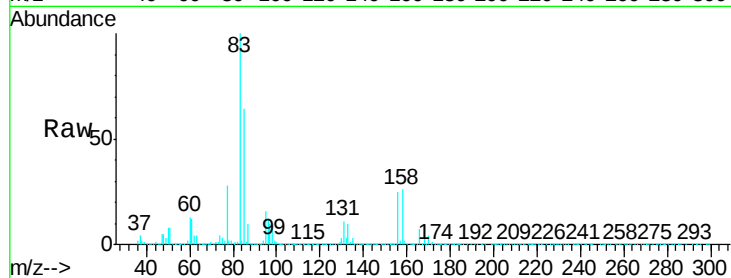
83 100

131 10.6 5.1 15.3

85 65.0 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 20.817 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013294.D

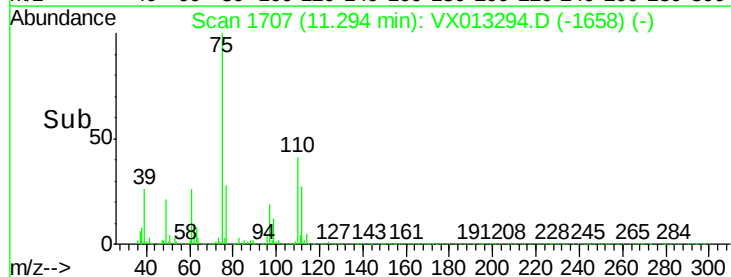
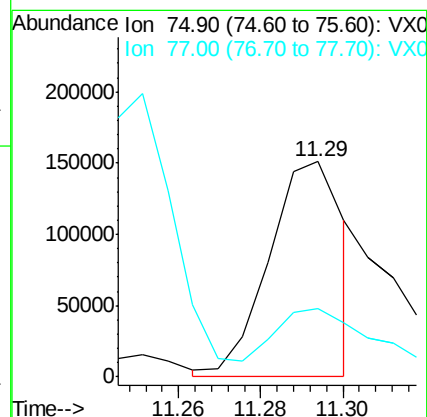
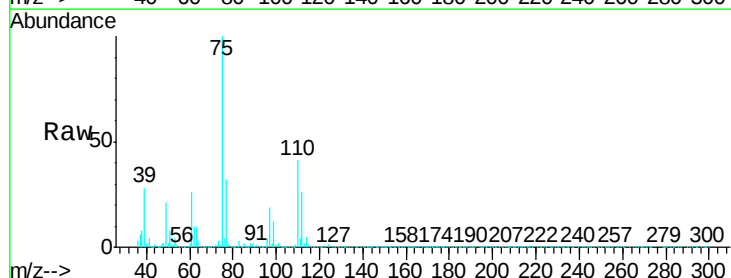
Acq: 31 Oct 2019 17:05

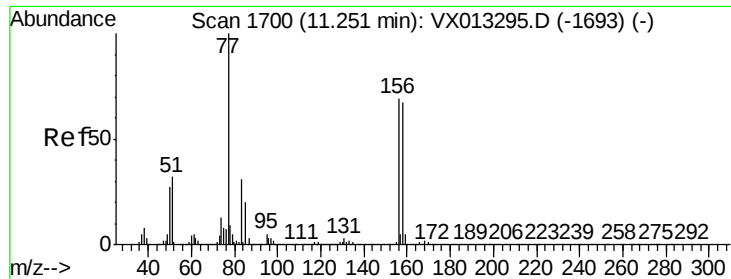
Tgt Ion: 75 Resp: 189966

Ion Ratio Lower Upper

75 100

77 43.4 22.3 66.8





#77

Bromobenzene

Concen: 18.487 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

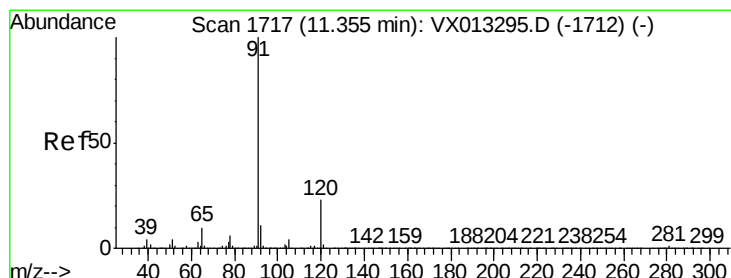
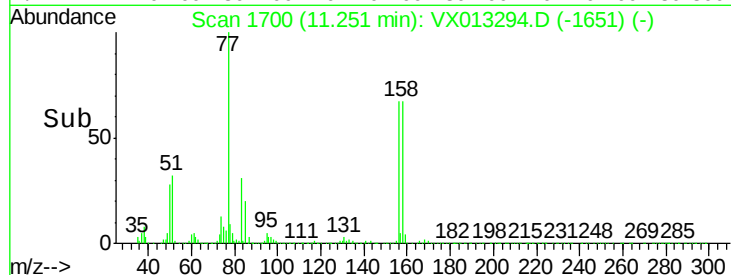
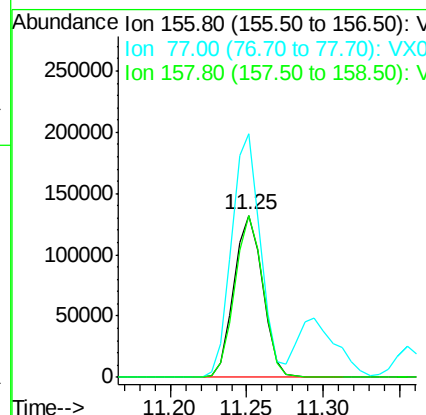
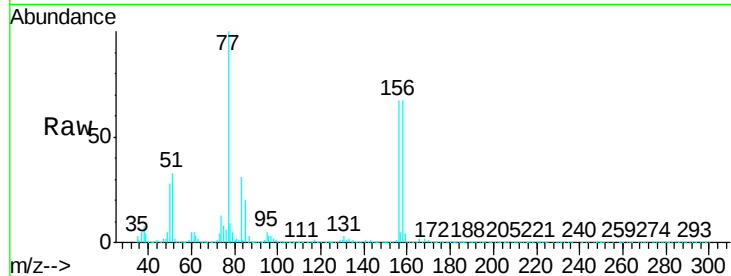
ClientSampleId :

VSTDIC020

Tgt Ion:	156	Resp:	171774
Ion Ratio	Lower	Upper	
156	100		
77	151.8	75.8	227.4
158	99.0	47.6	142.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.653 ug/l

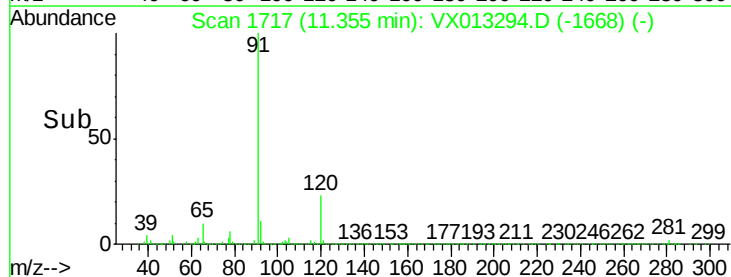
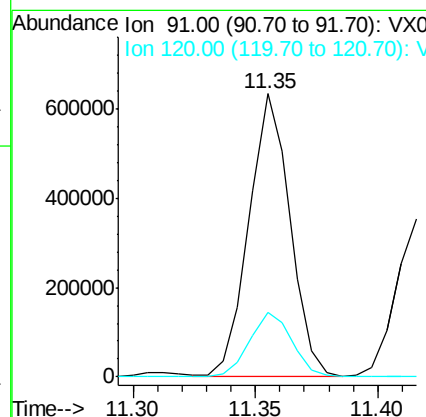
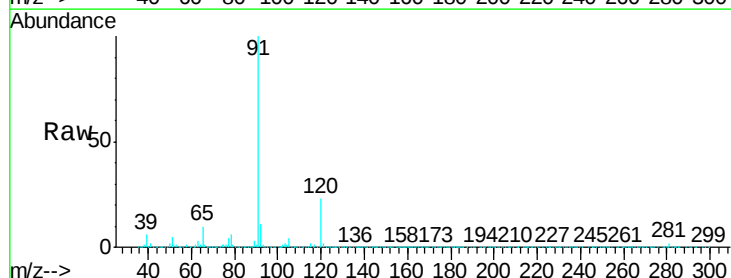
RT: 11.35 min Scan# 1717

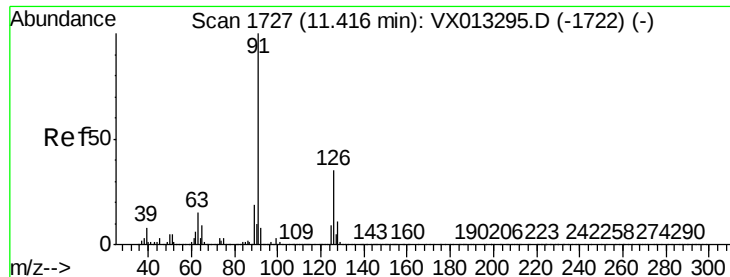
Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion:	91	Resp:	737759
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.6	34.8





#79

2-Chlorotoluene

Concen: 19.572 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 440723

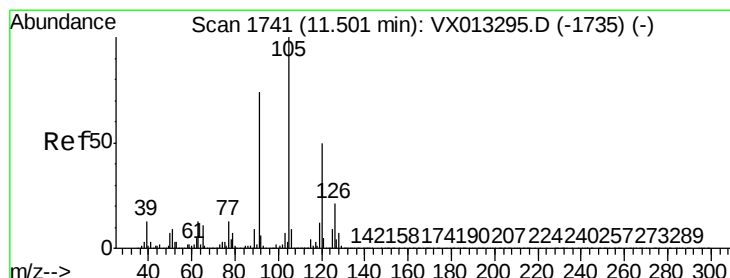
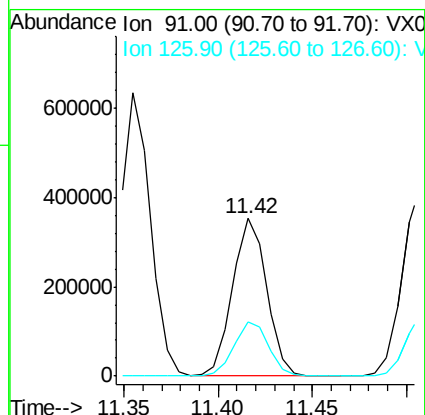
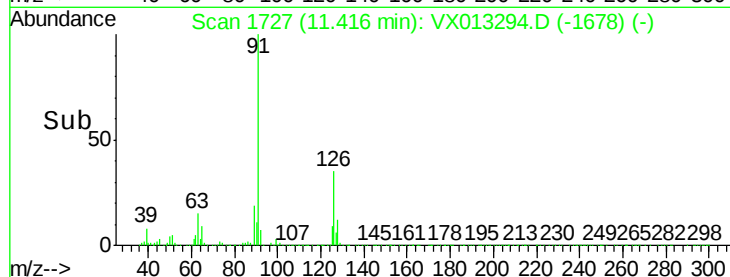
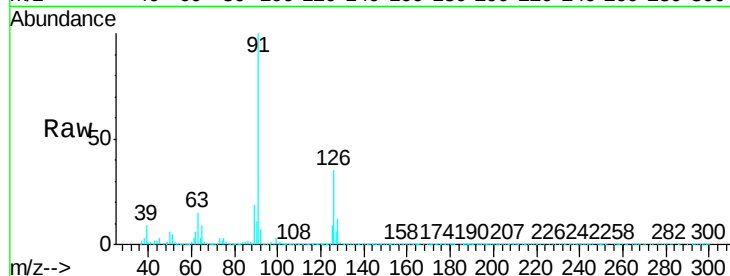
Ion Ratio Lower Upper

91 100

126 35.2 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.499 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013294.D

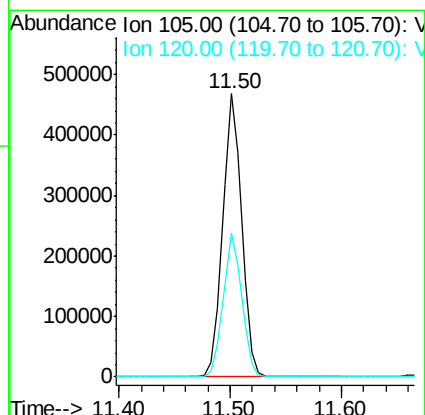
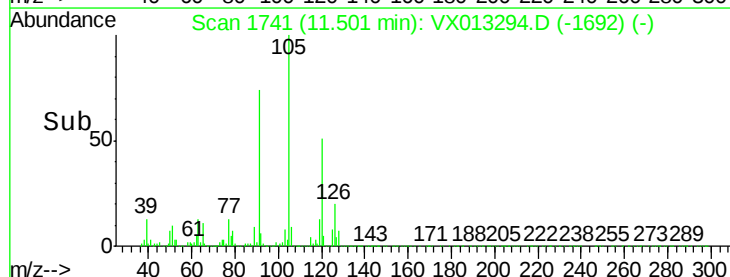
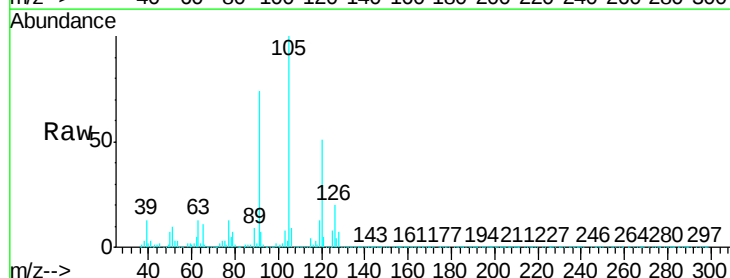
Acq: 31 Oct 2019 17:05

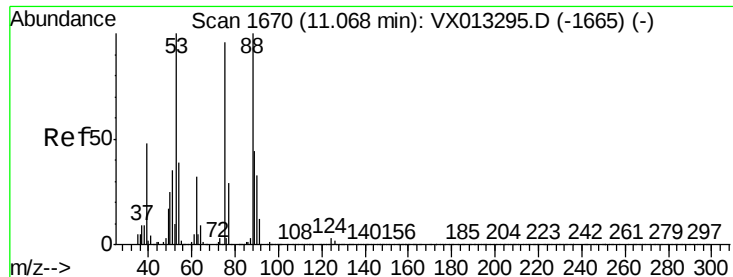
Tgt Ion: 105 Resp: 550730

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.079 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Instrument :

MSVOA_X

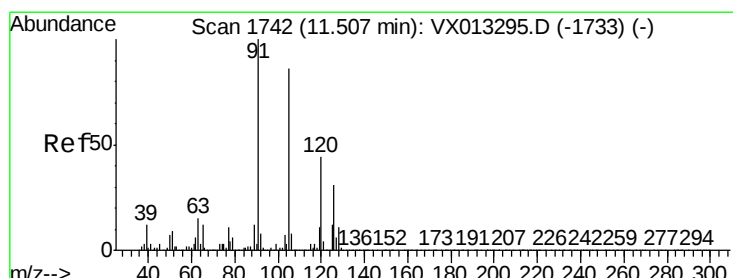
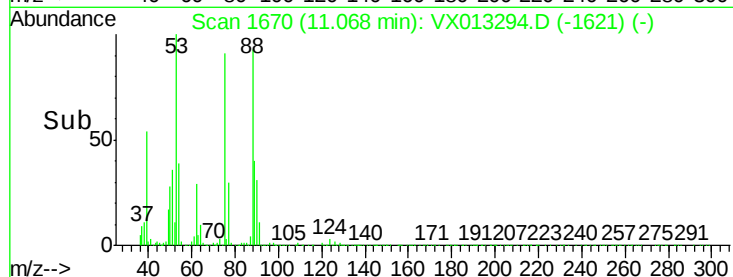
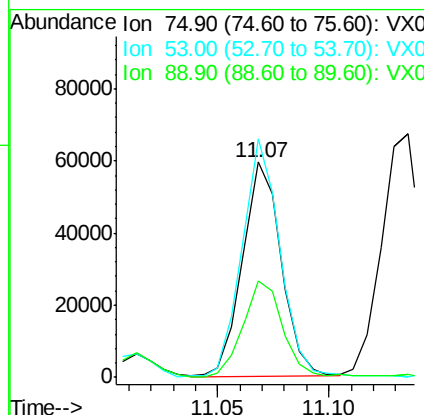
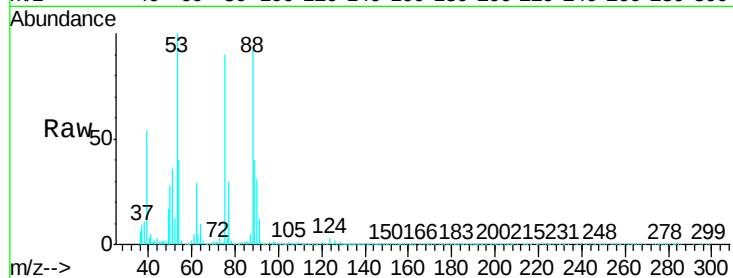
ClientSampleId :

VSTDIC020

Tgt Ion:	75	Resp:	72396
Ion	Ratio	Lower	Upper
75	100		
53	110.2	81.0	121.6
89	45.0	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.527 ug/l

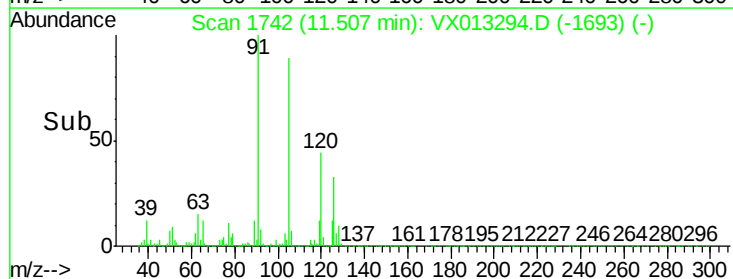
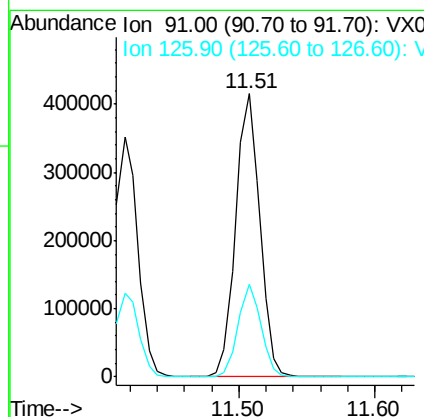
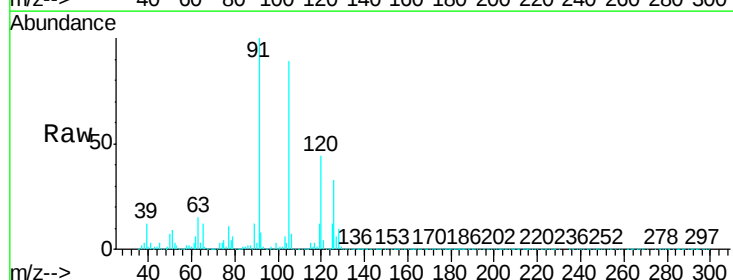
RT: 11.51 min Scan# 1742

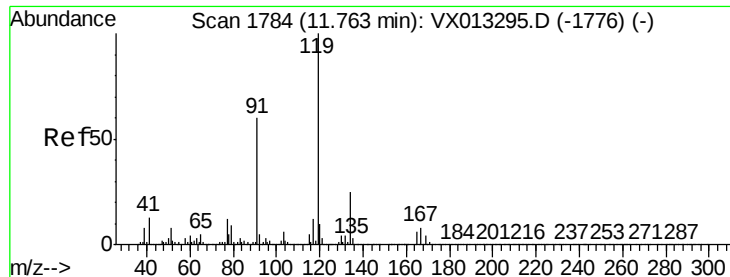
Delta R.T. 0.00 min

Lab File: VX013294.D

Acq: 31 Oct 2019 17:05

Tgt Ion:	91	Resp:	511710
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.3	45.8





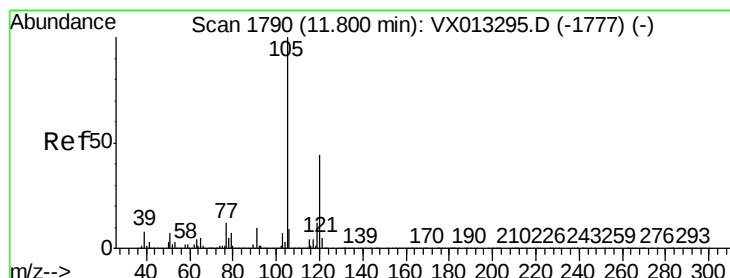
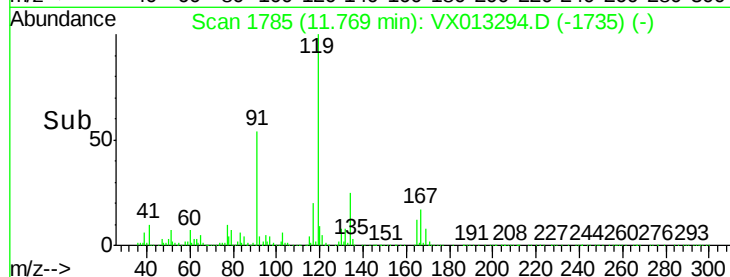
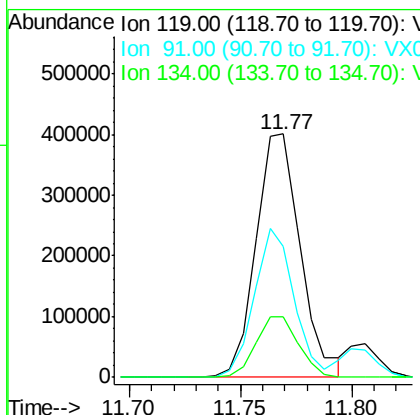
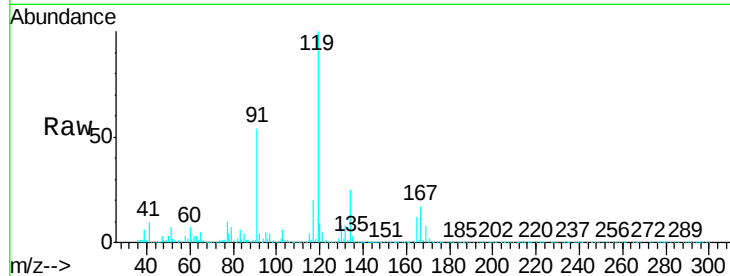
#83
tert-Butylbenzene
Concen: 19.908 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	556546		
91	54.5	26.9	80.7	
134	24.3	11.7	35.1	

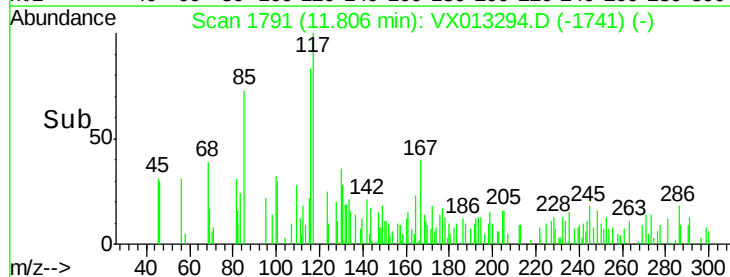
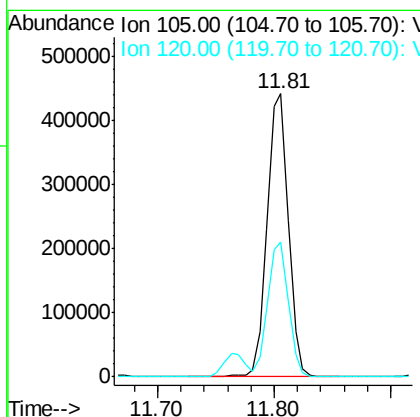
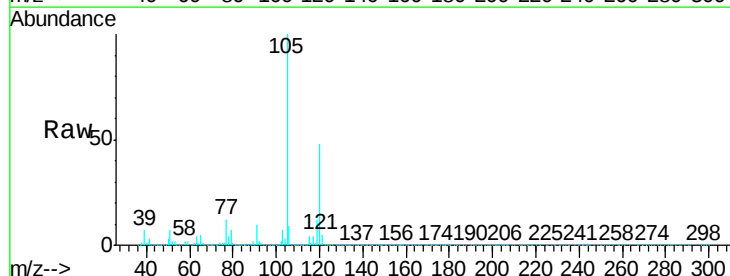
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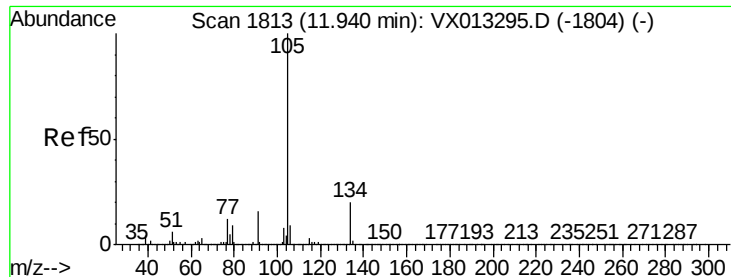
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#84
1,2,4-Trimethylbenzene
Concen: 19.506 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	556139		
120	46.5	22.7	68.1	





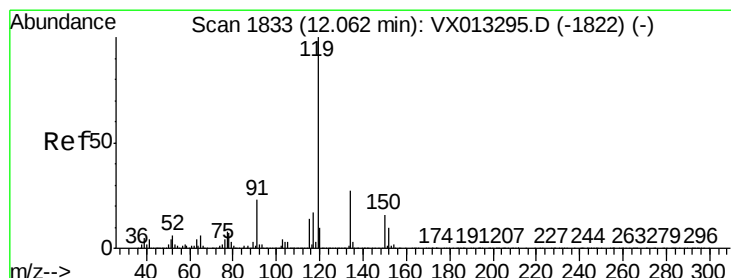
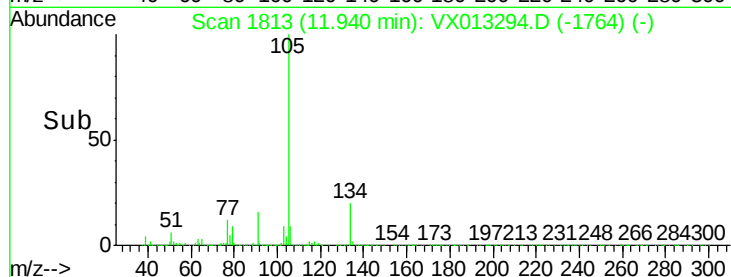
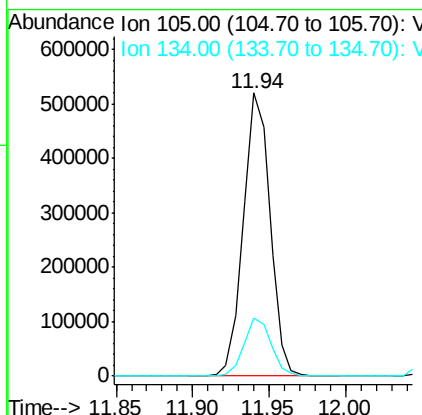
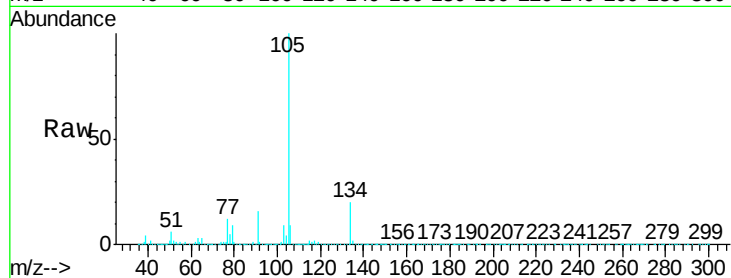
#85
 sec-Butylbenzene
 Concen: 19.412 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.3	30.9

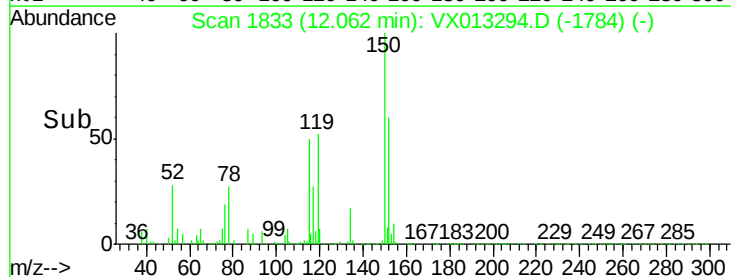
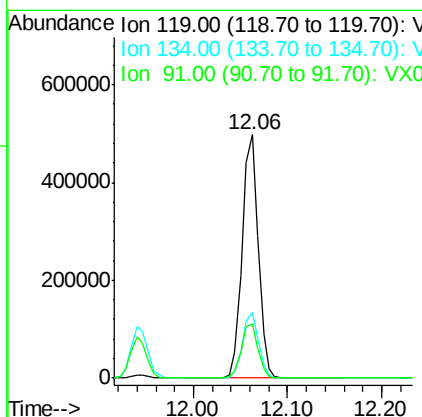
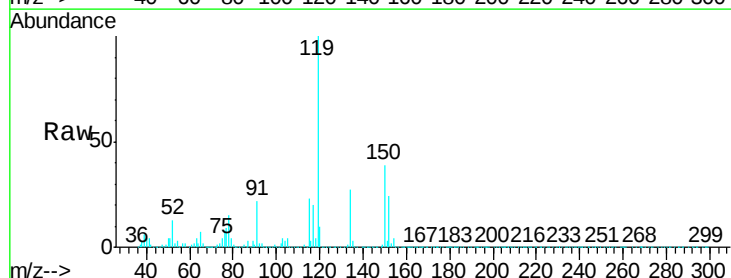
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#86
 p-Isopropyltoluene
 Concen: 19.692 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.8
91	23.0	11.5	34.4





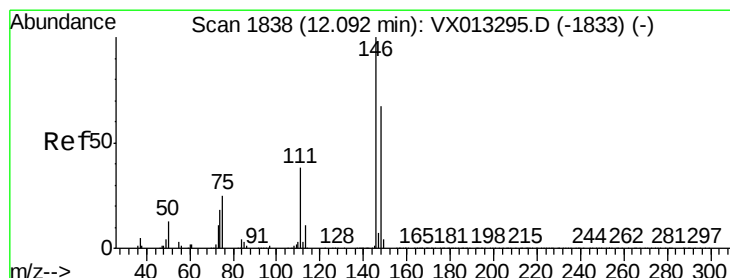
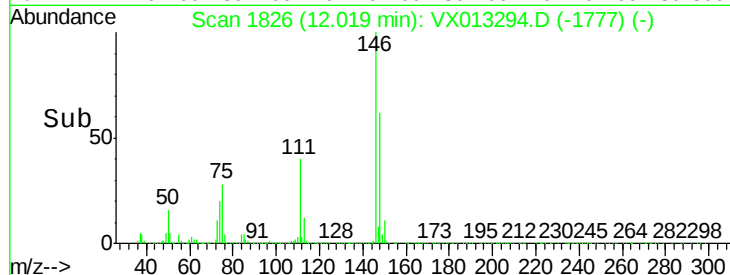
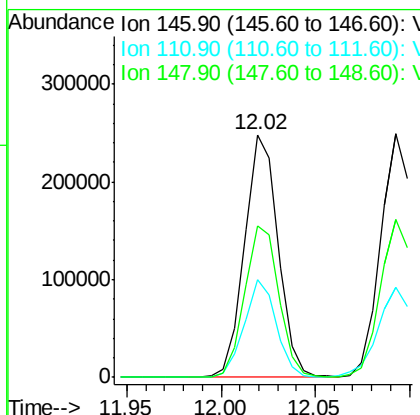
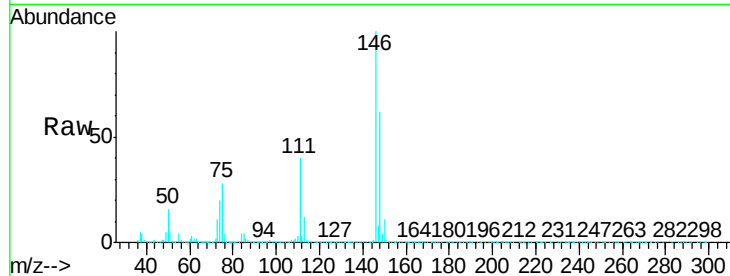
#87
 1,3-Dichlorobenzene
 Concen: 18.956 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.5
148	63.6	31.9	95.7

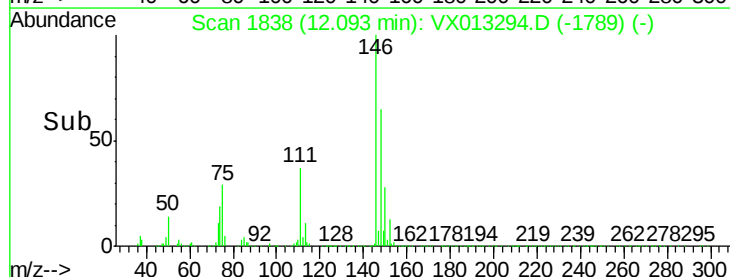
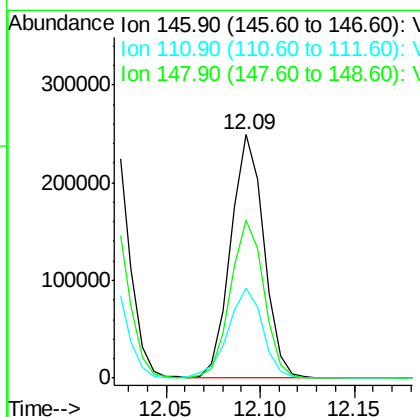
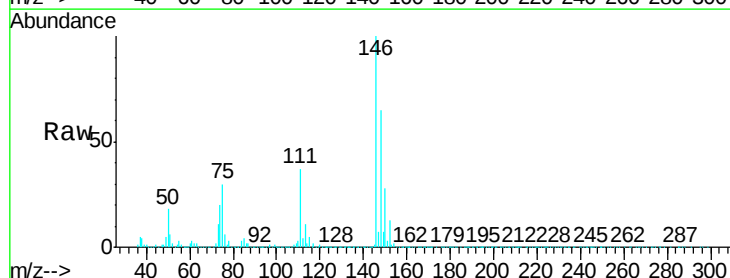
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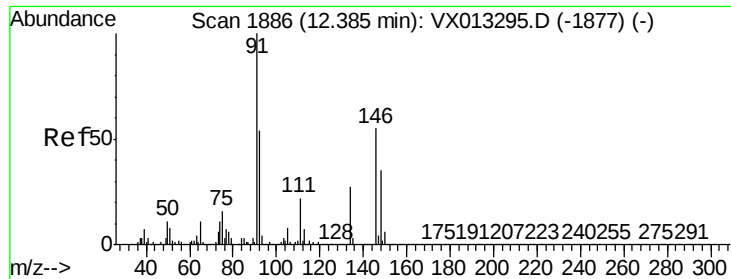
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 11/4/2019 3:41:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.316 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.8	56.4
148	65.9	32.4	97.0





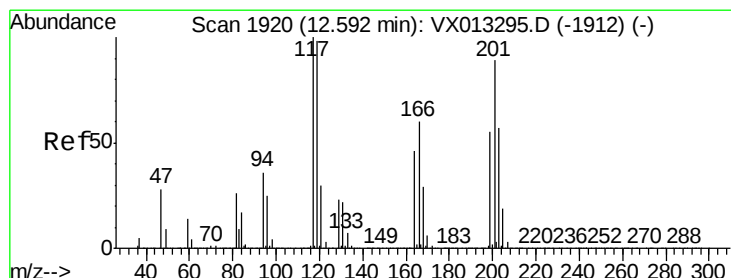
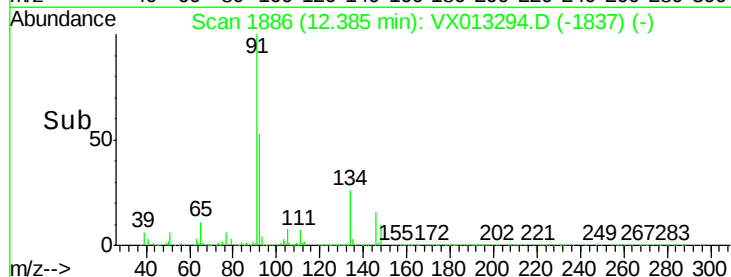
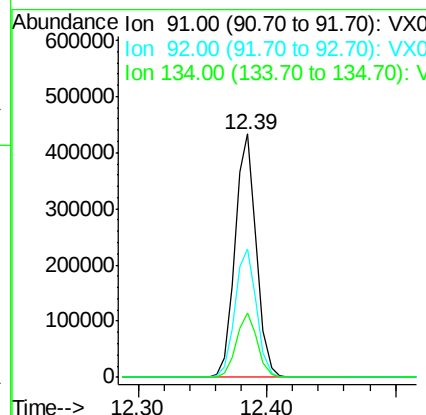
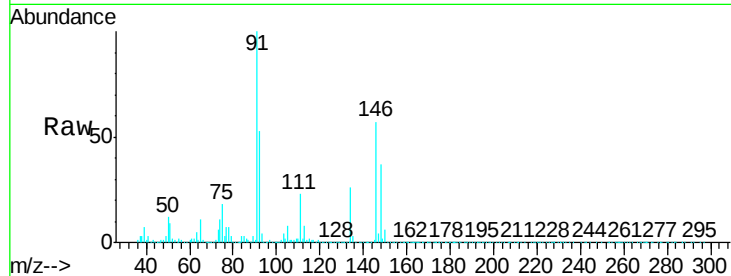
#89
n-Butylbenzene
Concen: 19.411 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	53.6	27.3	81.8
134	26.1	13.5	40.5

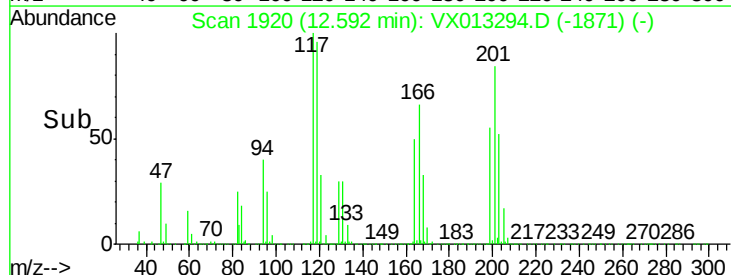
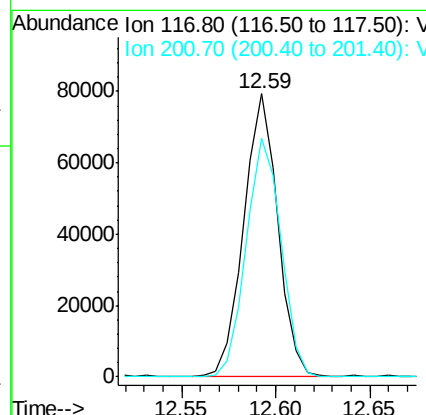
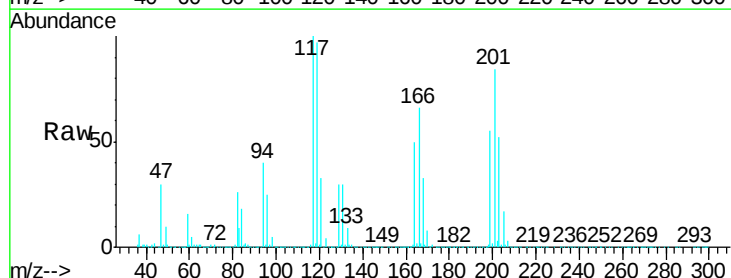
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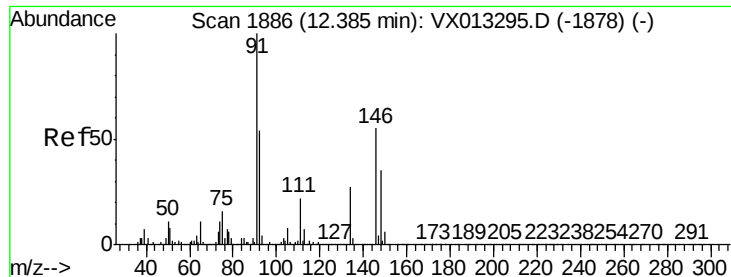
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#90
Hexachloroethane
Concen: 20.500 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Resp Lower	Upper
117	100		
201	86.5	43.9	131.7





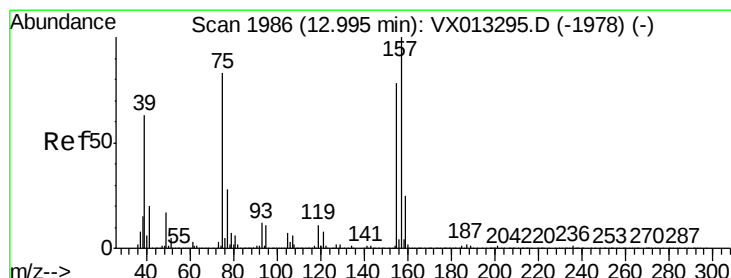
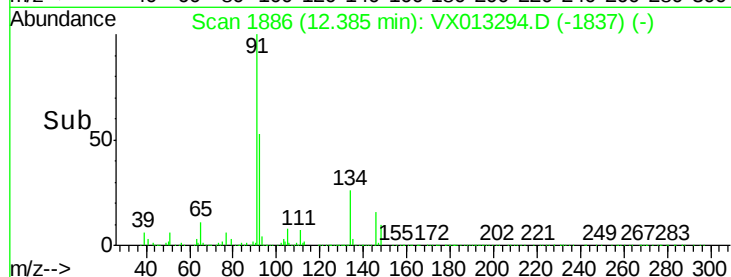
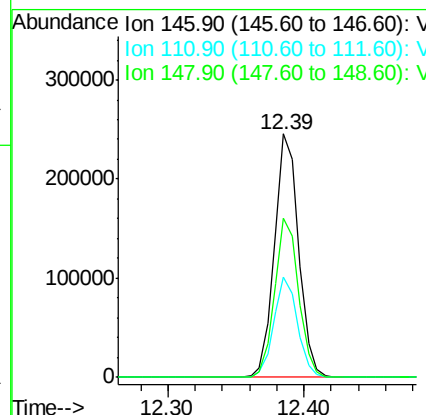
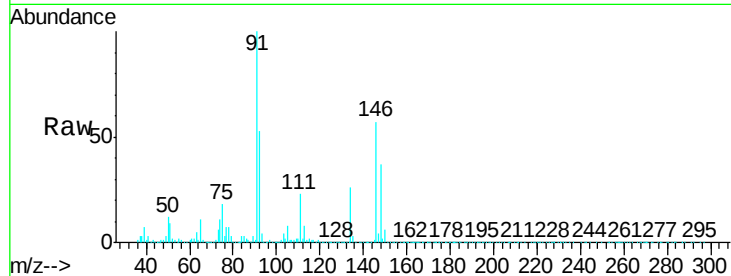
#91
 1,2-Dichlorobenzene
 Concen: 19.094 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	305596		
111	40.3	20.1	60.2	
148	65.1	32.0	96.0	

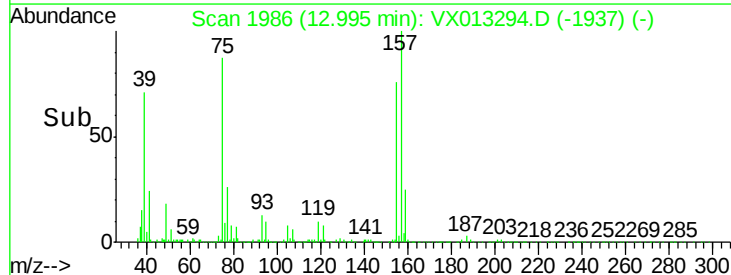
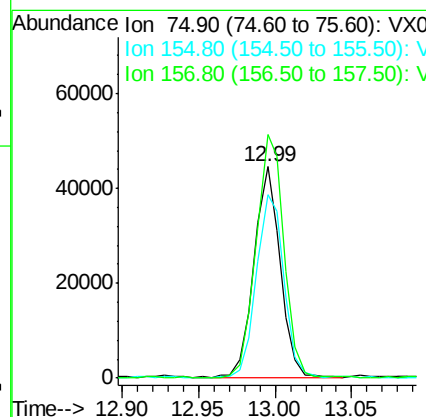
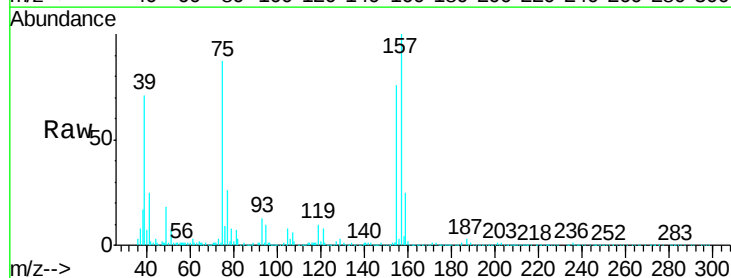
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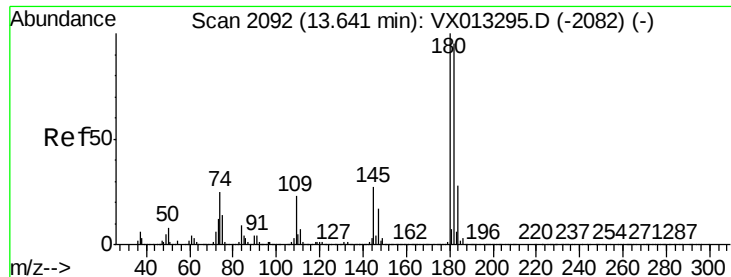
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 11/4/2019 3:41:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.228 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	53347		
155	90.2	47.1	141.4	
157	122.1	61.3	183.8	





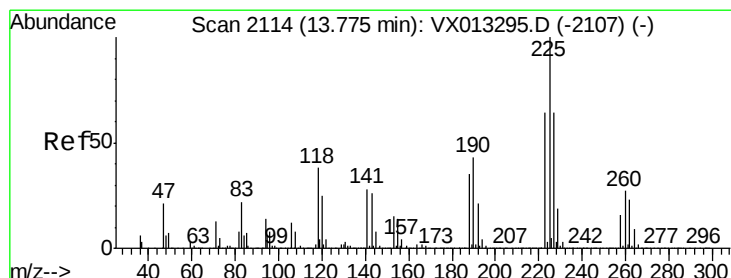
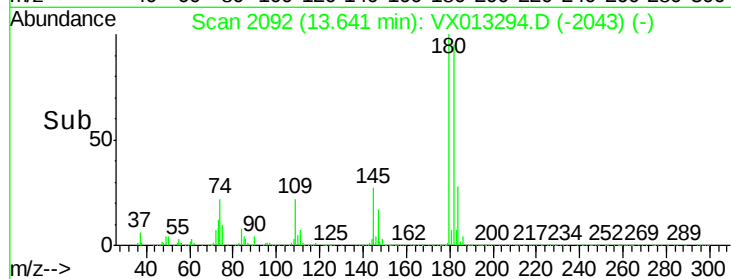
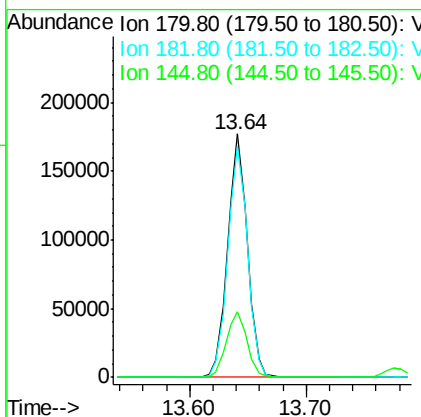
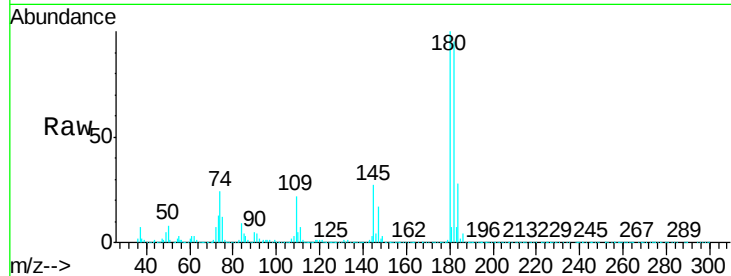
#93
 1,2,4-Trichlorobenzene
 Concen: 19.066 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	207550		
182	95.6	48.4	145.0	
145	27.9	14.1	42.4	

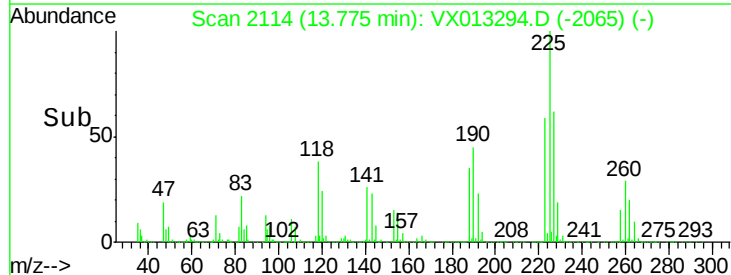
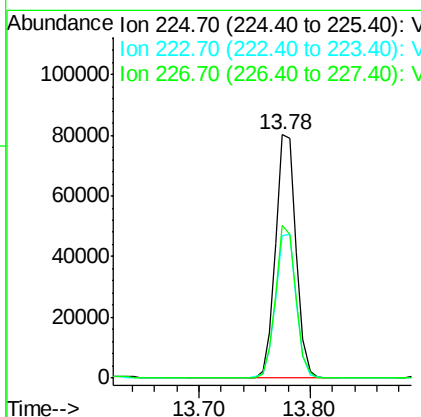
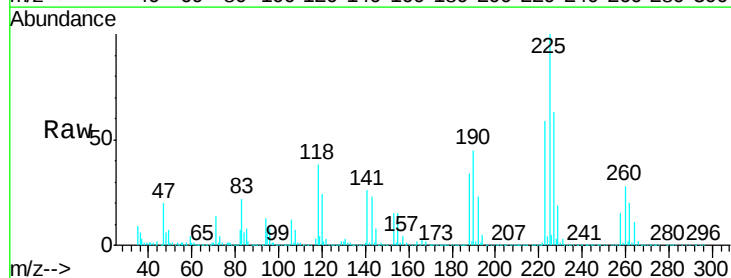
Manual Integrations
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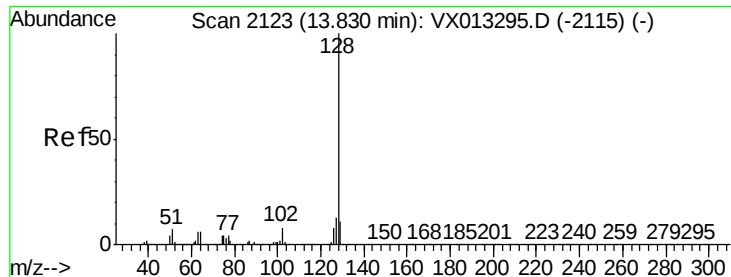
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#94
 Hexachlorobutadiene
 Concen: 19.044 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013294.D
 Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102491		
223	59.4	31.9	95.7	
227	61.5	31.9	95.9	





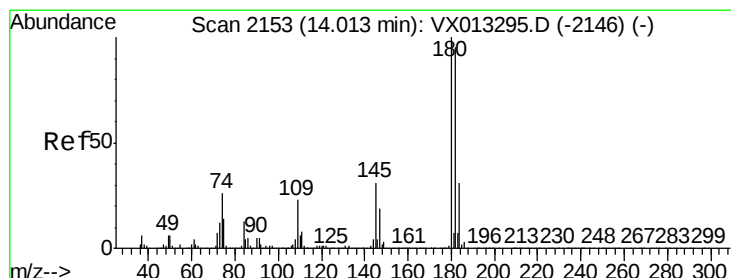
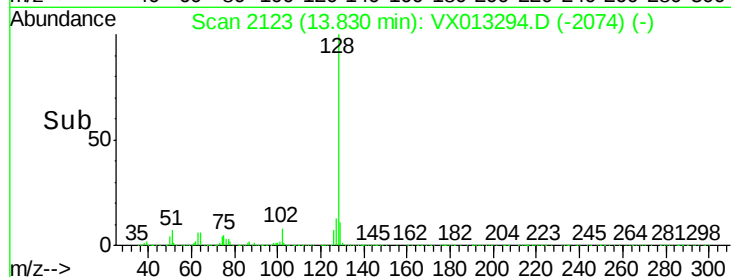
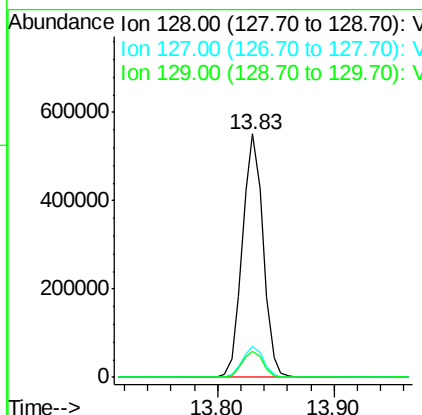
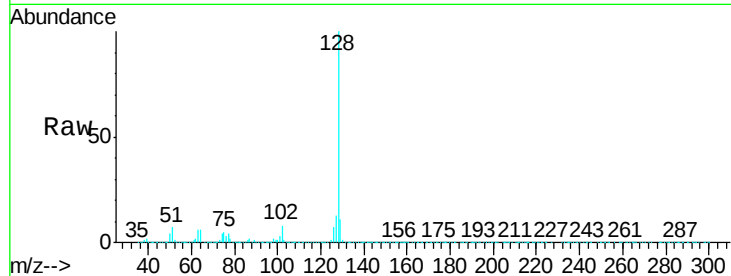
#95
Naphthalene
Concen: 20.964 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:41:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.644 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013294.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.6	48.0	144.2
145	30.5	15.4	46.4

