

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100819\
 Data File : VX012900.D
 Acq On : 08 Oct 2019 19:23
 Operator : JC/SP
 Sample : K5122-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:36:26 AM

Quant Time: Oct 09 03:27:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	180297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	310787	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	279621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	129340	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	110597	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
35) Dibromofluoromethane	5.49	113	87289	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	8.71	98	330023	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	11.14	95	127946	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	92368	50.260	ug/l	100
3) Chloromethane	1.32	50	103977	51.986	ug/l	98
4) Vinyl Chloride	1.40	62	105478	51.094	ug/l	100
5) Bromomethane	1.63	94	36452	42.477	ug/l	97
6) Chloroethane	1.71	64	63097	50.037	ug/l	98
7) Trichlorofluoromethane	1.92	101	142096	50.997	ug/l	100
8) Diethyl Ether	2.18	74	59418	52.831	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	86904	48.191	ug/l	99
10) Methyl Iodide	2.50	142	88314	43.917	ug/l	99
11) Tert butyl alcohol	3.03	59	135687	227.138	ug/l	100
12) 1,1-Dichloroethene	2.36	96	92630	50.840	ug/l	97
13) Acrolein	2.28	56	101294	238.602	ug/l	99
14) Allyl chloride	2.72	41	170446	52.530	ug/l	97
15) Acrylonitrile	3.13	53	304142	268.659	ug/l	100
16) Acetone	2.44	43	260374	219.205	ug/l	100
17) Carbon Disulfide	2.56	76	256105	49.296	ug/l	100
18) Methyl Acetate	2.76	43	135982	48.299	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	336378	53.461	ug/l	99
20) Methylene Chloride	2.84	84	107702	49.338	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	101231	51.838	ug/l	99
22) Diisopropyl ether	3.84	45	330271	53.120	ug/l	96
23) Vinyl Acetate	3.80	43	1400934	261.009	ug/l	99
24) 1,1-Dichloroethane	3.69	63	185636	53.072	ug/l	98
25) 2-Butanone	4.66	43	415338	252.037	ug/l	98
26) 2,2-Dichloropropane	4.57	77	138129	46.961	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	116785	51.881	ug/l	99
28) Bromochloromethane	5.00	49	57814	55.355	ug/l	98
29) Tetrahydrofuran	5.12	42	271393	267.626	ug/l	99
30) Chloroform	5.20	83	185218	51.607	ug/l	100
31) Cyclohexane	5.57	56	159489	48.763	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	160356	52.731	ug/l	99
36) 1,1-Dichloropropene	5.79	75	135275	49.507	ug/l	98
37) Ethyl Acetate	4.82	43	153809	50.340	ug/l	100
38) Carbon Tetrachloride	5.78	117	136634	51.374	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	158425	47.809	ug/l	99
40) Benzene	6.13	78	419230	51.947	ug/l	99
41) Methacrylonitrile	5.03	41	91176	54.307	ug/l	96
42) 1,2-Dichloroethane	6.19	62	149423	51.599	ug/l	100
43) Isopropyl Acetate	6.43	43	251597	51.304	ug/l	100
44) Trichloroethene	7.20	130	107410	47.995	ug/l	94
45) 1,2-Dichloropropane	7.51	63	105799	51.437	ug/l	98
46) Dibromomethane	7.65	93	72178	52.669	ug/l	99
47) Bromodichloromethane	7.89	83	141586	52.942	ug/l	98
48) Methyl methacrylate	7.76	41	124990	52.302	ug/l	99
49) 1,4-Dioxane	7.73	88	57579	901.414	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	806738	263.851	ug/l	100
52) Toluene	8.78	92	265815	51.484	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	156052	46.898	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	171233	52.059	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	106871	52.304	ug/l	99
56) Ethyl methacrylate	9.17	69	177035	48.445	ug/l	100
57) 1,3-Dichloropropane	9.37	76	182102	51.522	ug/l	98
59) 2-Hexanone	9.49	43	616502	259.023	ug/l	99
60) Dibromochloromethane	9.58	129	108045	47.610	ug/l	100
61) 1,2-Dibromoethane	9.67	107	113169	52.652	ug/l	98
64) Tetrachloroethene	9.33	164	90337	46.579	ug/l	96
65) Chlorobenzene	10.14	112	276411	49.778	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	99549	51.706	ug/l	98
67) Ethyl Benzene	10.25	91	501476	50.842	ug/l	100
68) m/p-Xylenes	10.36	106	377641	102.486	ug/l	98
69) o-Xylene	10.70	106	184151	51.248	ug/l	100
70) Styrene	10.71	104	315077	51.578	ug/l	99
71) Bromoform	10.85	173	75361	46.201	ug/l	100
73) Isopropylbenzene	11.01	105	481780	50.664	ug/l	99
74) N-amyl acetate	10.89	43	211072	51.538	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	161643	51.107	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	154724m	53.934	ug/l	
77) Bromobenzene	11.25	156	111852	49.915	ug/l	100
78) n-propylbenzene	11.35	91	532640	50.903	ug/l	98
79) 2-Chlorotoluene	11.42	91	337165	51.271	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	400317	50.416	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	49988	45.232	ug/l	98
82) 4-Chlorotoluene	11.51	91	386307	51.251	ug/l	100
83) tert-Butylbenzene	11.76	119	397907	51.371	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	408839	50.840	ug/l	98
85) sec-Butylbenzene	11.94	105	452594	50.435	ug/l	99
86) p-Isopropyltoluene	12.06	119	413146	49.641	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	206365	49.592	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	203166	48.208	ug/l	99
89) n-Butylbenzene	12.39	91	355874	50.877	ug/l	99
90) Hexachloroethane	12.59	117	71751	46.694	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	203229	49.817	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	39997	53.955	ug/l	95
93) 1,2,4-Trichlorobenzene	13.64	180	125982	49.298	ug/l	98

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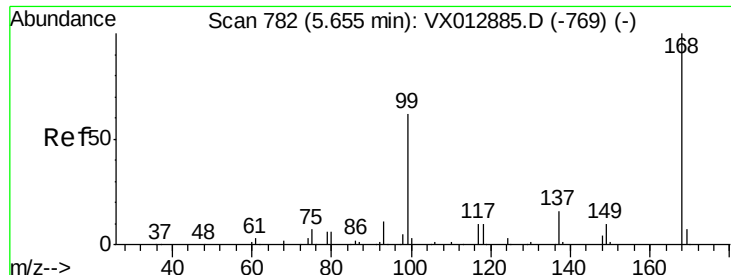
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	53923	45.721	ug/l	98
95) Naphthalene	13.83	128	458928	51.805	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	130257	49.324	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion:168 Resp: 180297

Ion Ratio Lower Upper

168 100

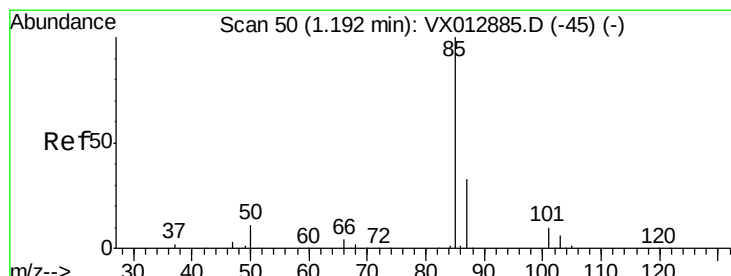
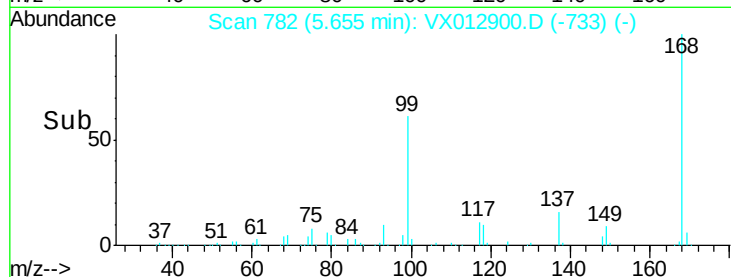
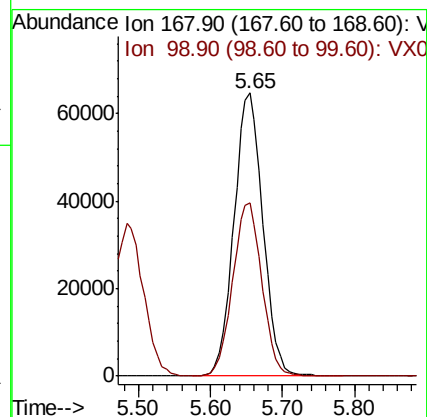
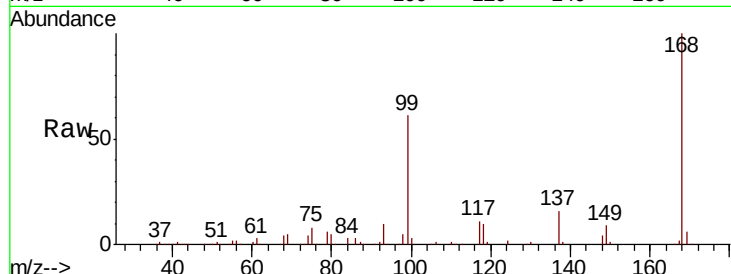
99 60.9 49.4 74.0

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#2

Dichlorodifluoromethane

Concen: 50.260 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX012900.D

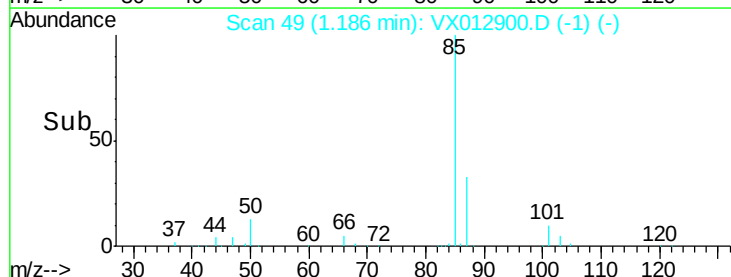
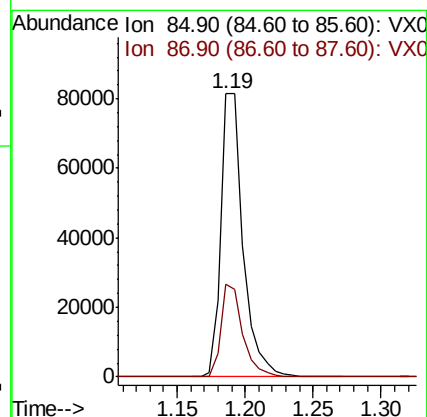
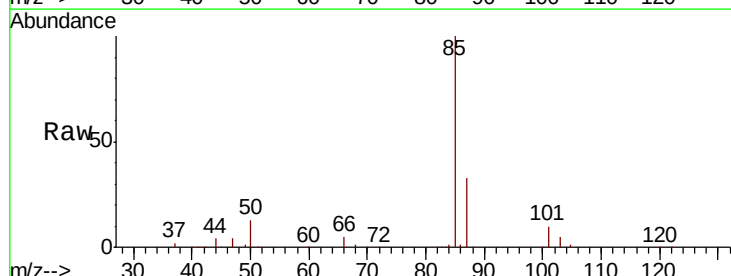
Acq: 08 Oct 2019 19:23

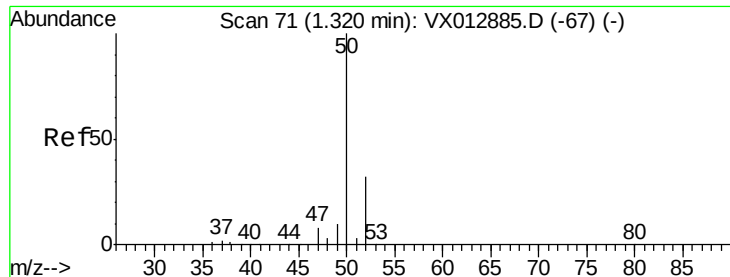
Tgt Ion: 85 Resp: 92368

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.4





#3

Chloromethane

Concen: 51.986 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 50 Resp: 103977

Ion Ratio Lower Upper

50 100

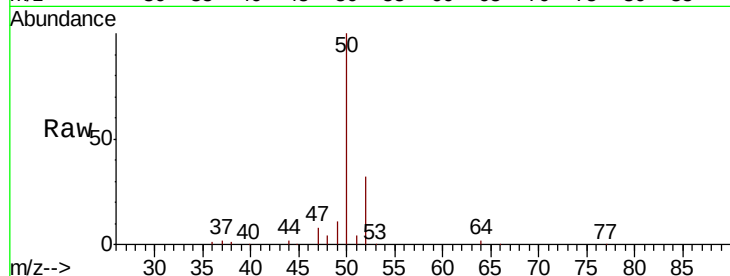
52 32.4 25.2 37.8

Manual Integrations

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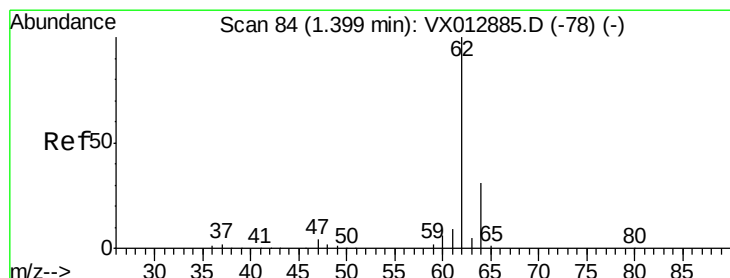
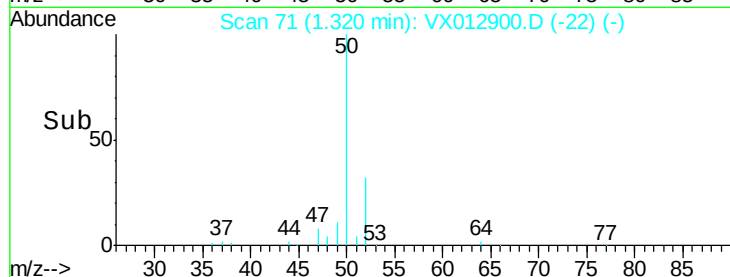
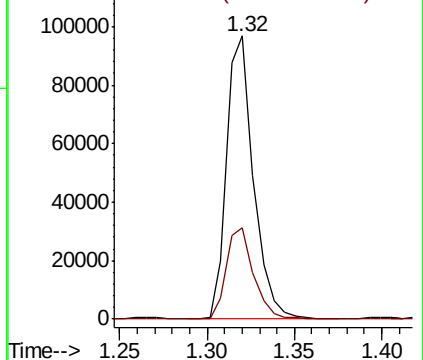
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.094 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012900.D

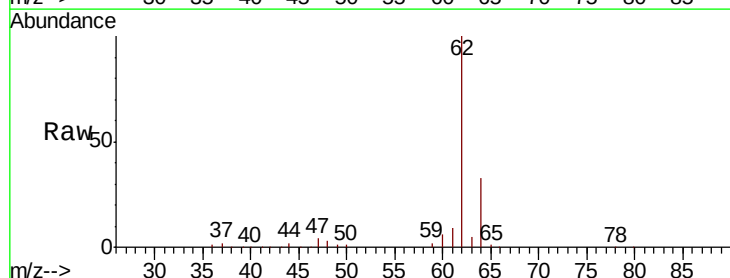
Acq: 08 Oct 2019 19:23

Tgt Ion: 62 Resp: 105478

Ion Ratio Lower Upper

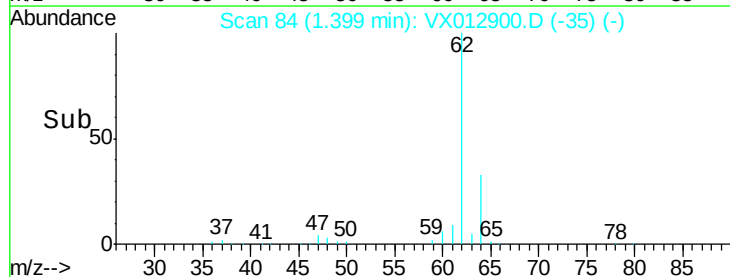
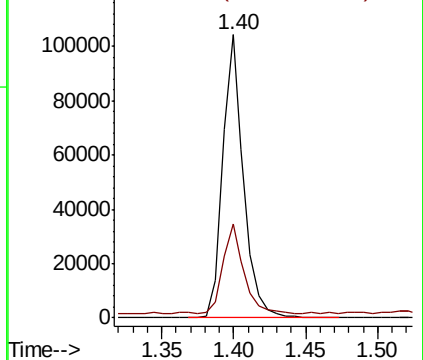
62 100

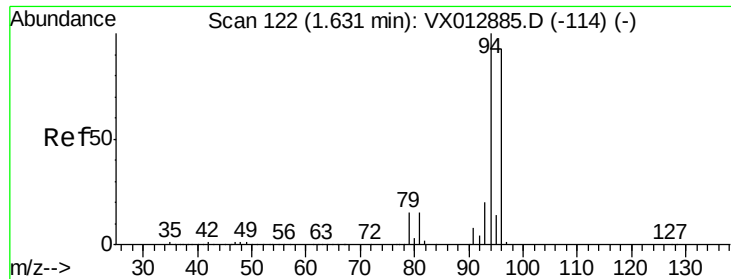
64 31.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.477 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

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ClientSampleId :

FA19-MMW3414MS

Tot Ion: 94 Resp: 36452

Ion Ratio Lower Upper

94 100

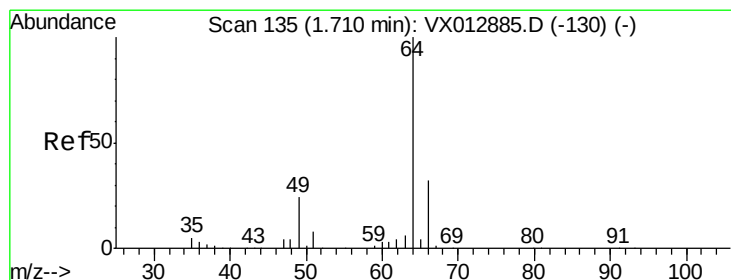
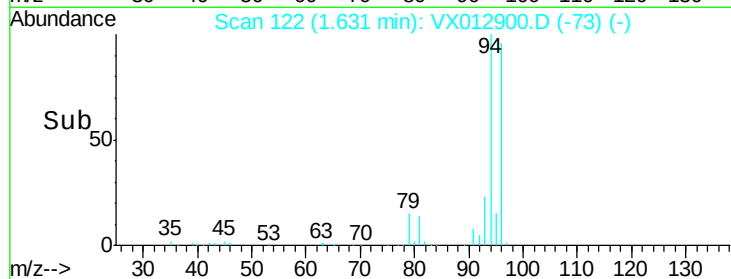
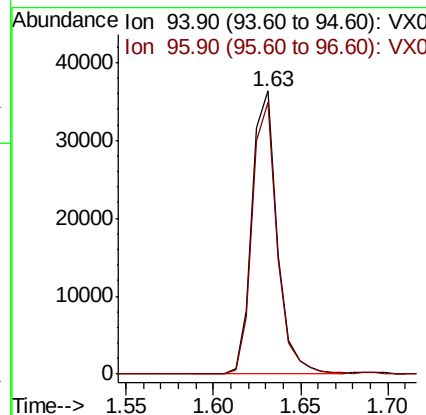
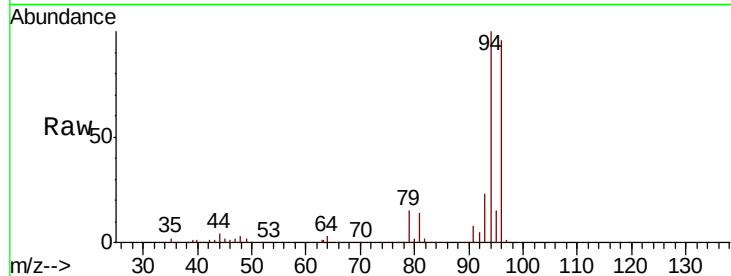
96 95.8 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 50.037 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012900.D

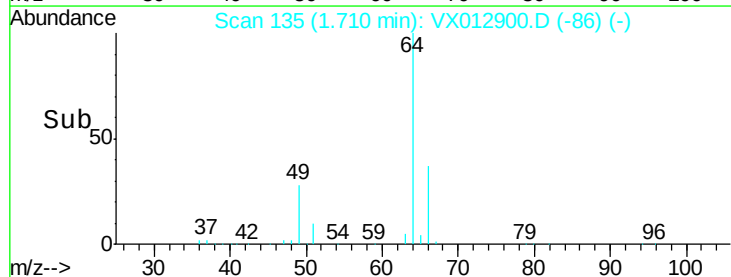
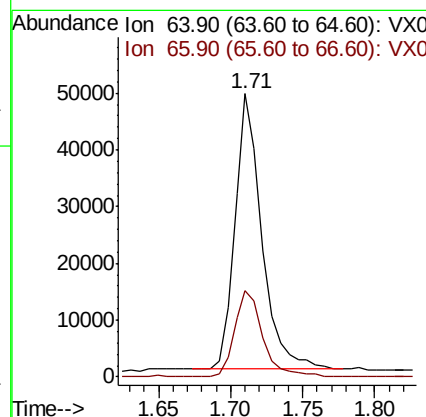
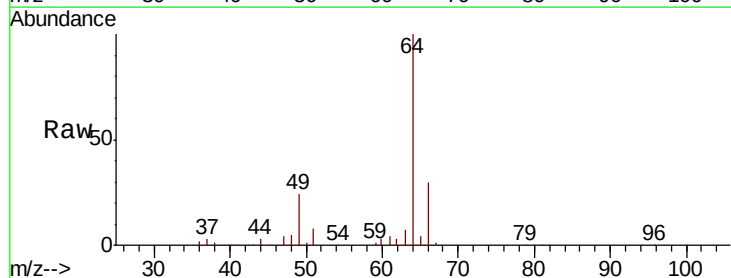
Acq: 08 Oct 2019 19:23

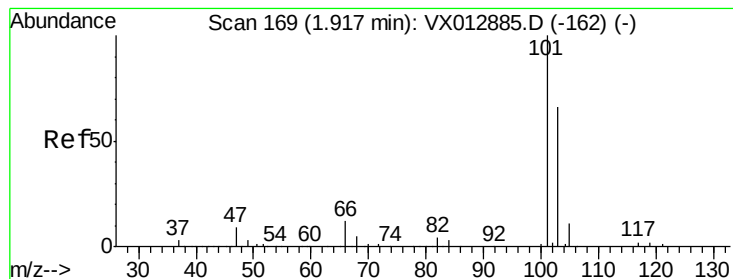
Tgt Ion: 64 Resp: 63097

Ion Ratio Lower Upper

64 100

66 30.9 25.6 38.4





#7

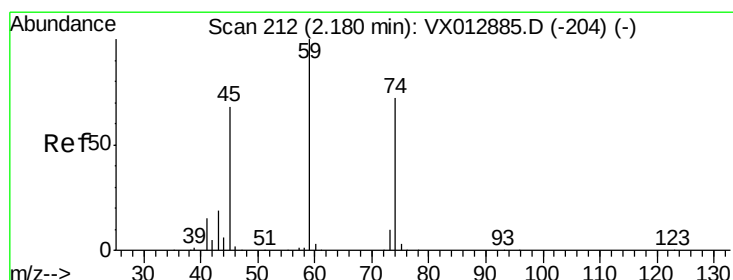
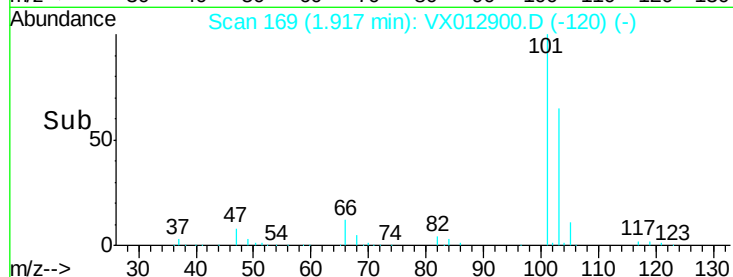
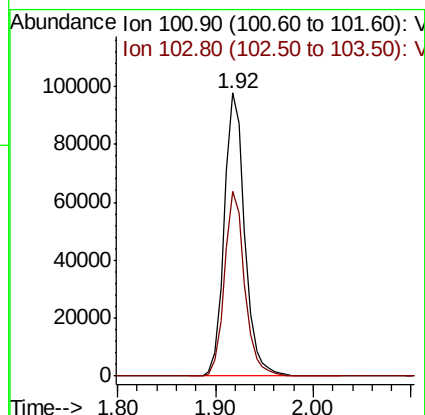
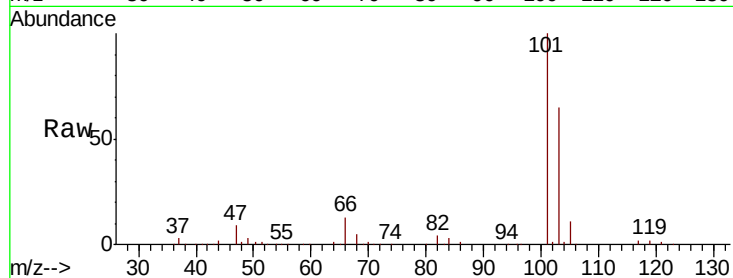
Trichlorofluoromethane
Concen: 50.997 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		142096		
103	65.2	52.5	78.7		

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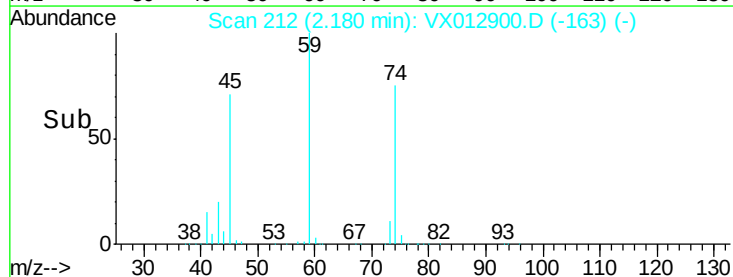
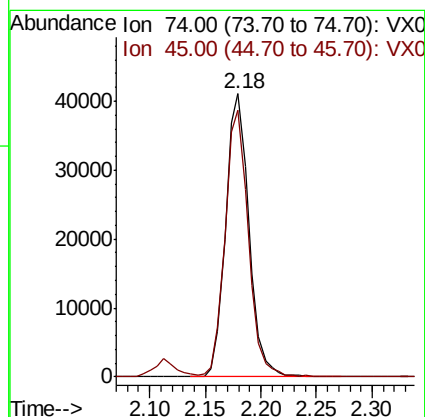
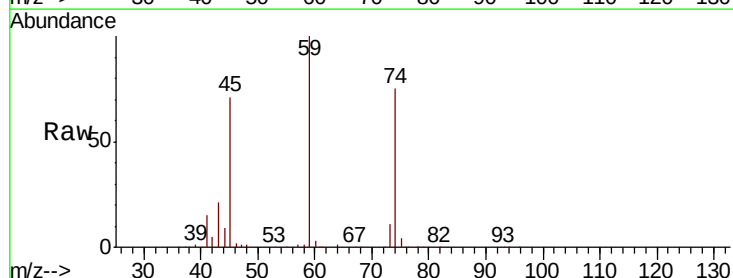
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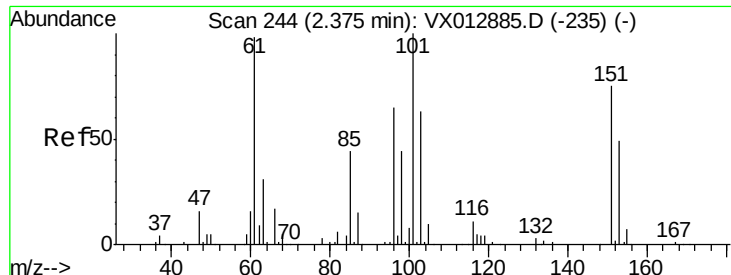


#8

Diethyl Ether
Concen: 52.831 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		59418		
45	95.0	47.8	143.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.191 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

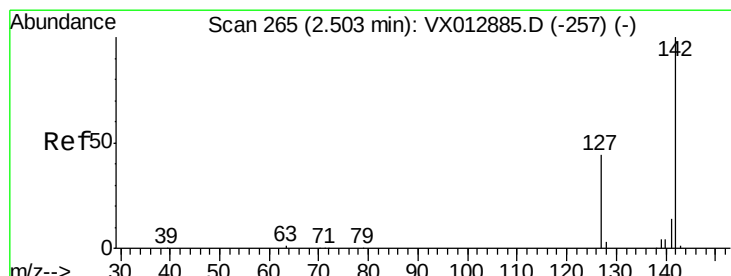
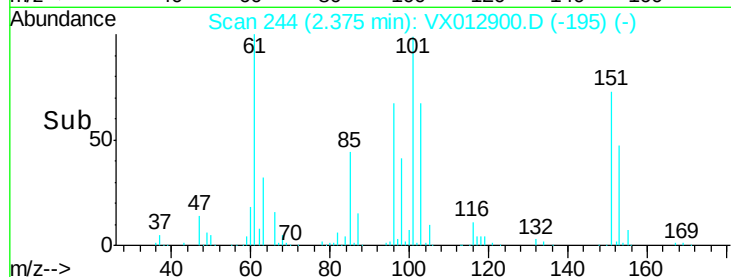
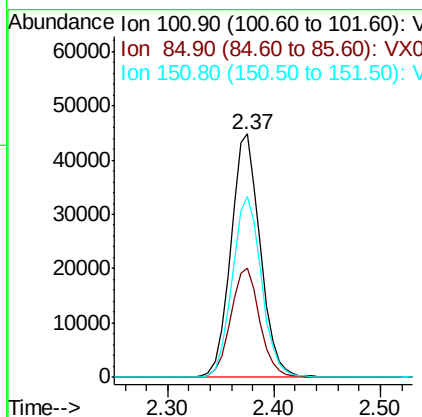
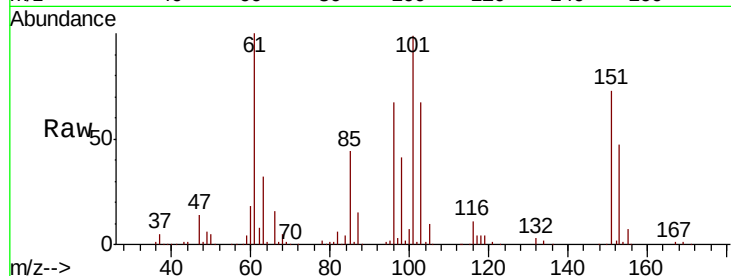
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	101	Resp:	86904
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.2	52.8
151	74.1	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 43.917 ug/l

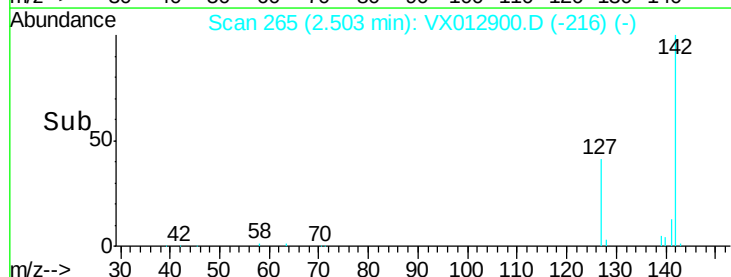
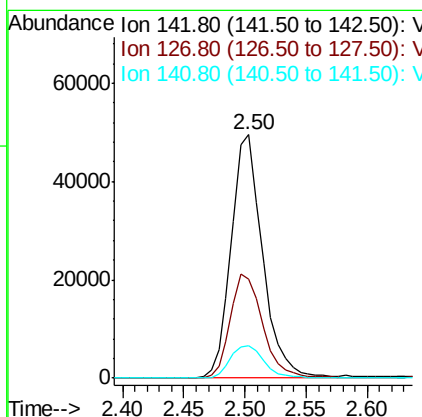
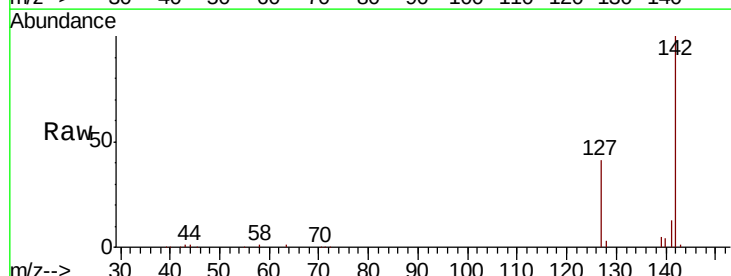
RT: 2.50 min Scan# 265

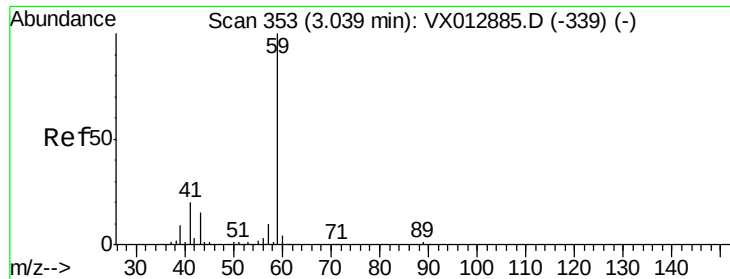
Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Tgt Ion:	142	Resp:	88314
Ion Ratio	Lower	Upper	
142	100		
127	44.1	34.9	52.3
141	14.5	11.6	17.4





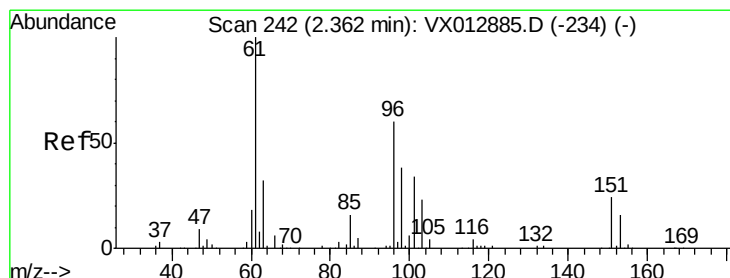
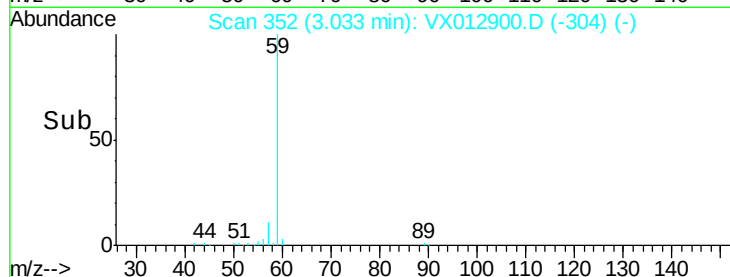
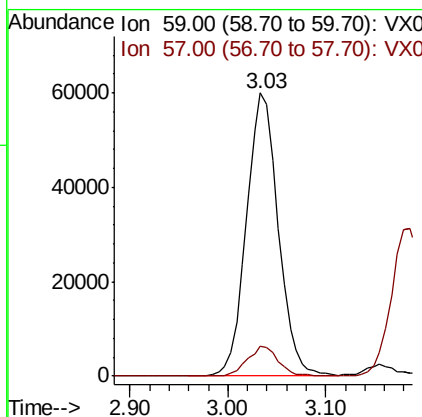
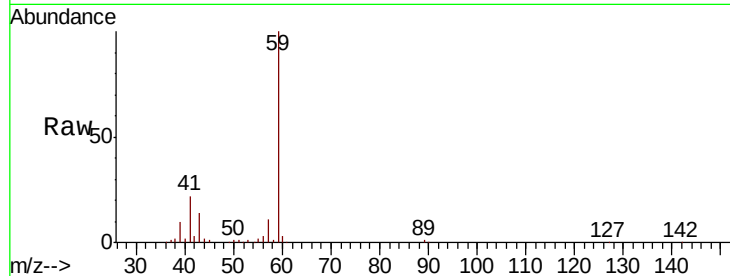
#11
Tert butyl alcohol
Concen: 227.138 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion: 59 Resp: 135687
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5

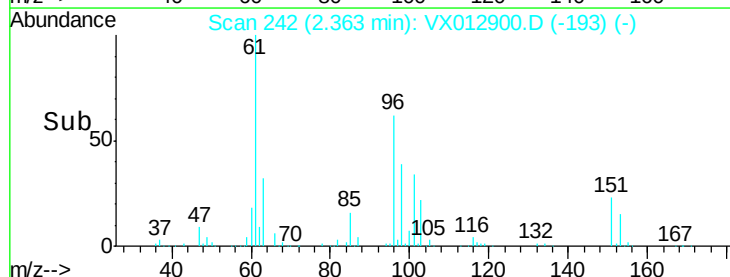
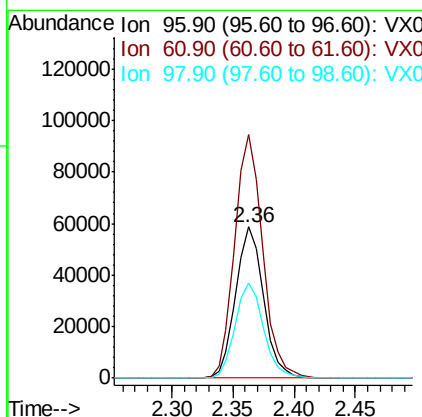
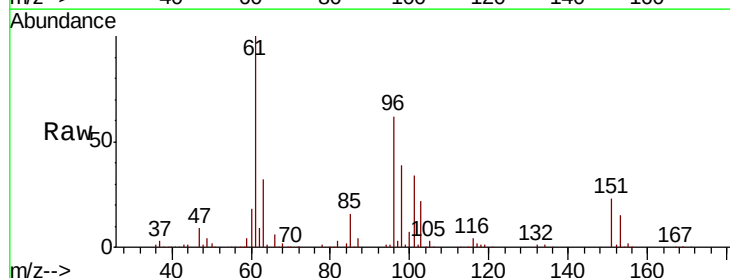
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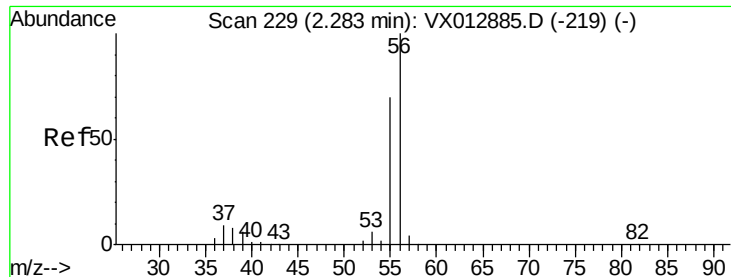
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#12
1,1-Dichloroethene
Concen: 50.840 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion: 96 Resp: 92630
Ion Ratio Lower Upper
96 100
61 160.9 132.2 198.4
98 62.7 50.5 75.7





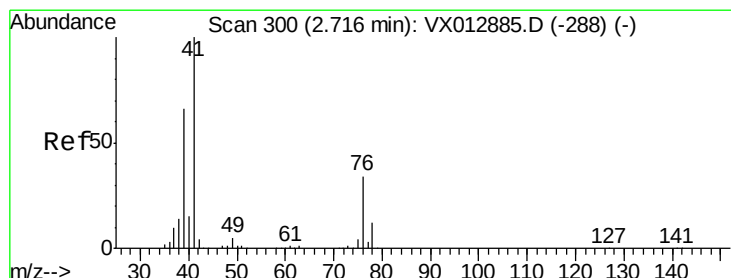
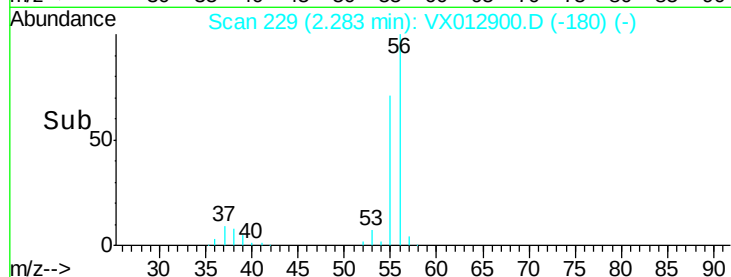
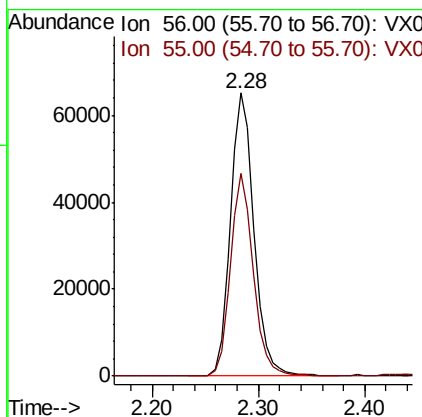
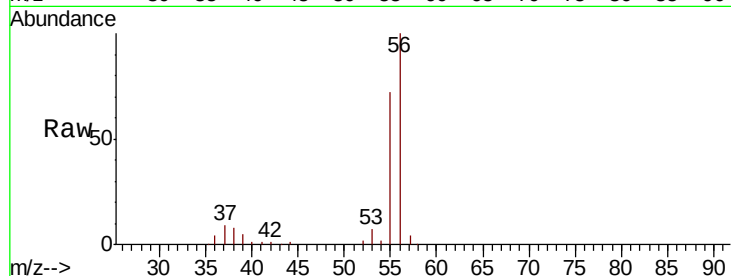
#13
Acrolein
Concen: 238.602 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	56	Resp	101294
Ion Ratio	100	Lower	Upper
56	100		
55	69.7	56.6	85.0

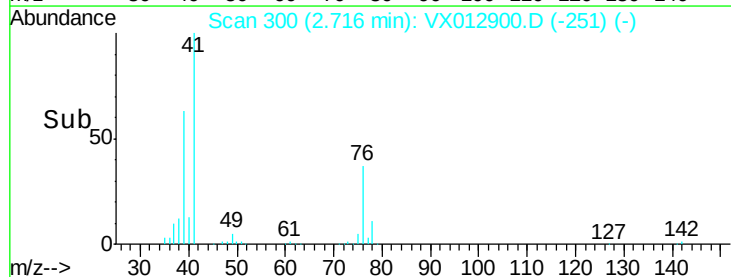
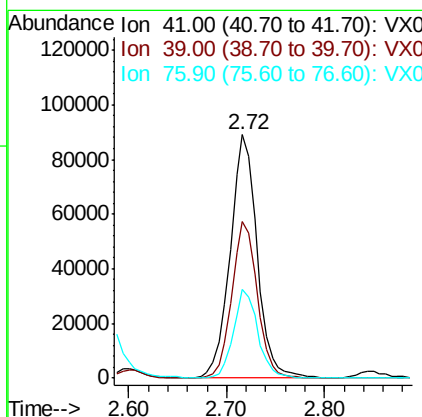
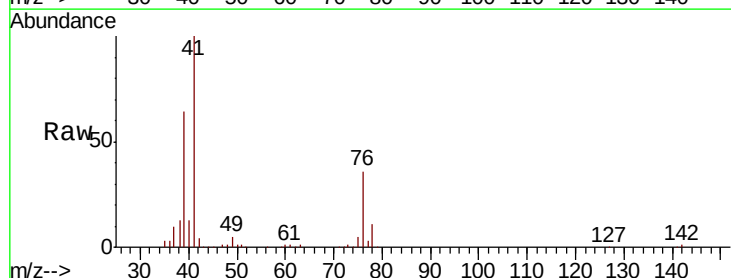
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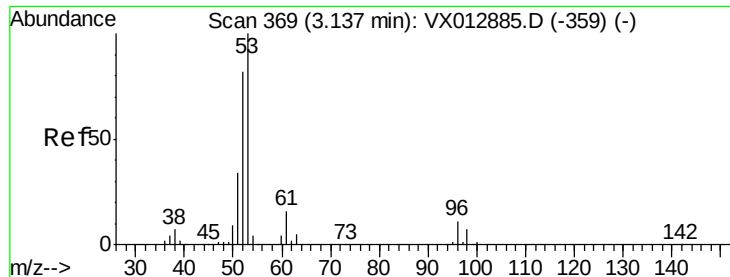
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#14
Allyl chloride
Concen: 52.530 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion	41	Resp	170446
Ion Ratio	100	Lower	Upper
41	100		
39	60.6	51.0	76.6
76	32.6	26.2	39.4





#15

Acrylonitrile

Concen: 268.659 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

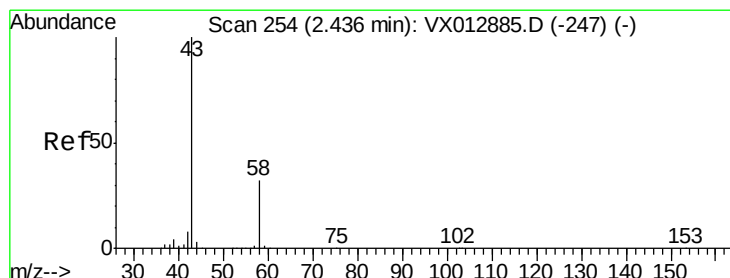
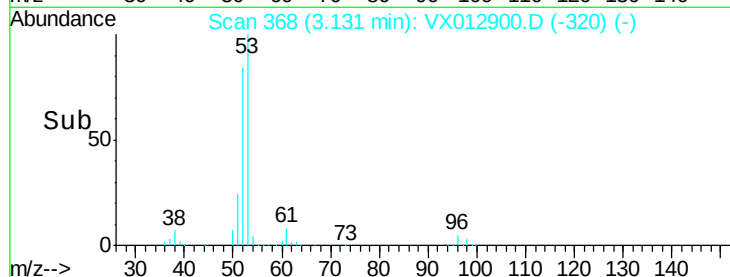
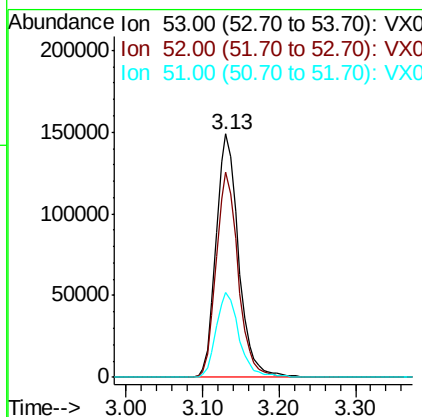
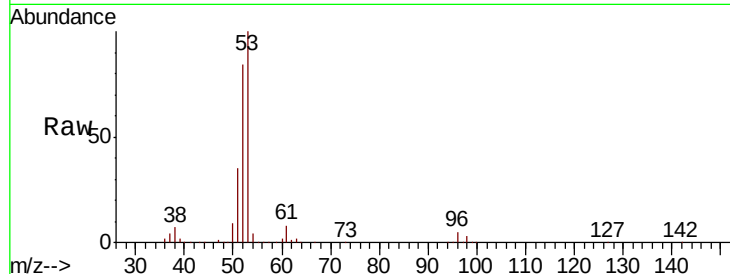
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	53	Resp:	304142
Ion Ratio		Lower	Upper
53	100		
52	82.3	66.2	99.2
51	35.6	28.2	42.4

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#16

Acetone

Concen: 219.205 ug/l

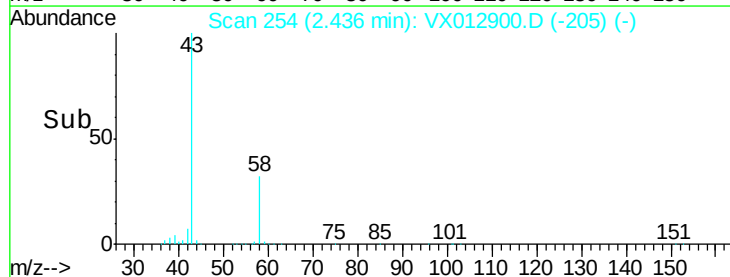
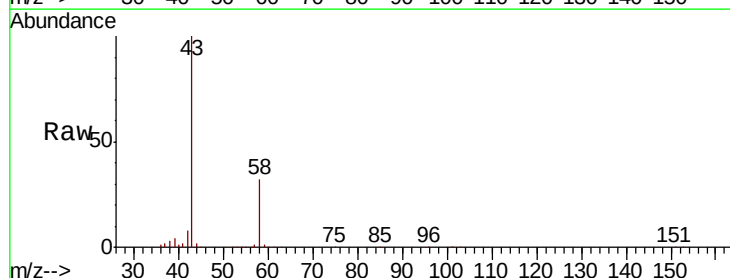
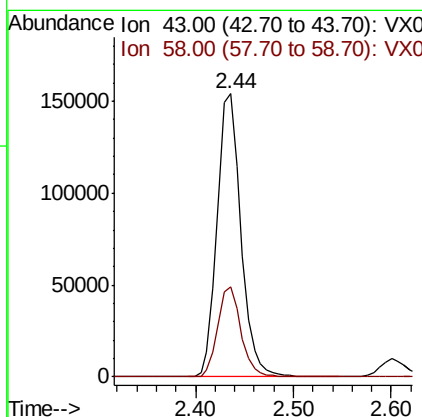
RT: 2.44 min Scan# 254

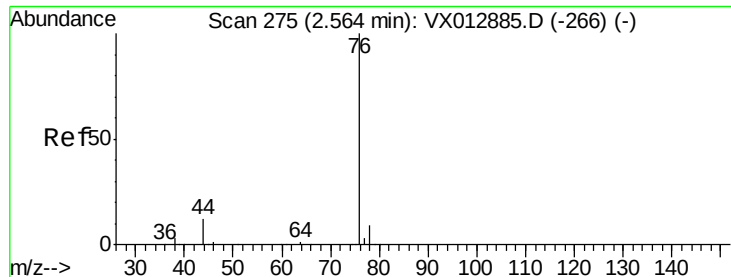
Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Tgt Ion:	43	Resp:	260374
Ion Ratio		Lower	Upper
43	100		
58	31.9	25.4	38.2





#17

Carbon Disulfide

Concen: 49.296 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 76 Resp: 256105

Ion Ratio Lower Upper

76 100

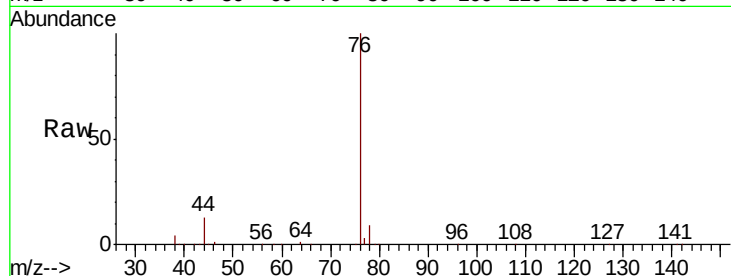
78 8.9 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

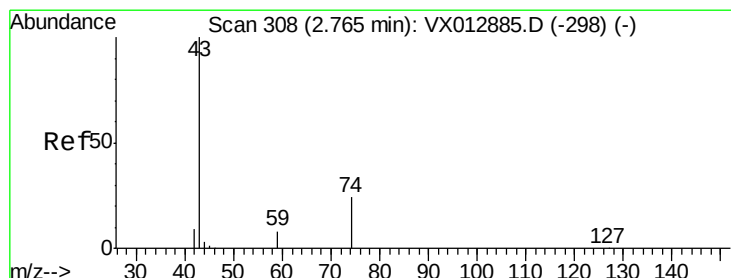
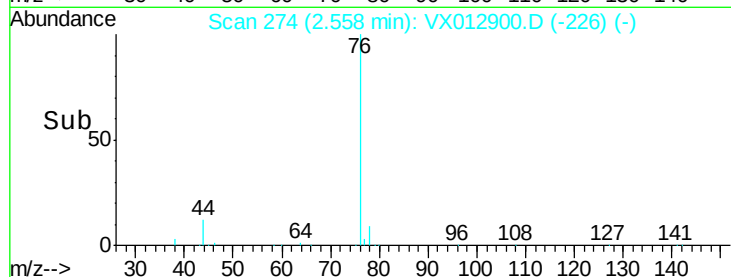
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.299 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012900.D

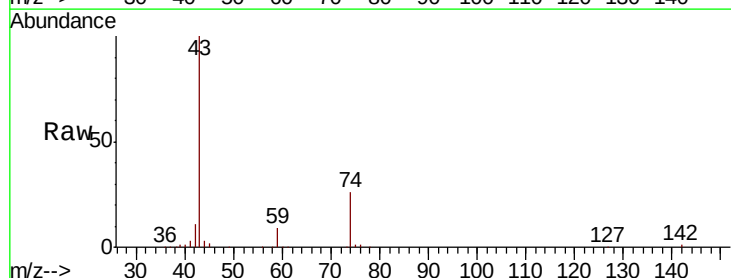
Acq: 08 Oct 2019 19:23

Tgt Ion: 43 Resp: 135982

Ion Ratio Lower Upper

43 100

74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

80000

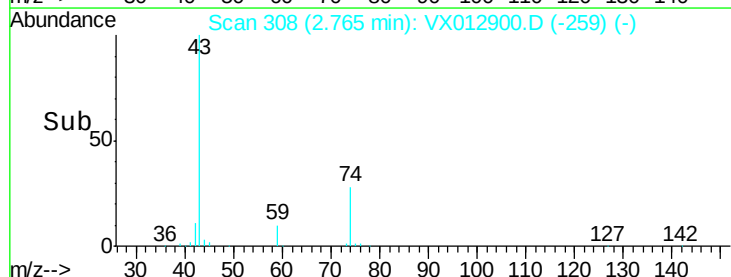
60000

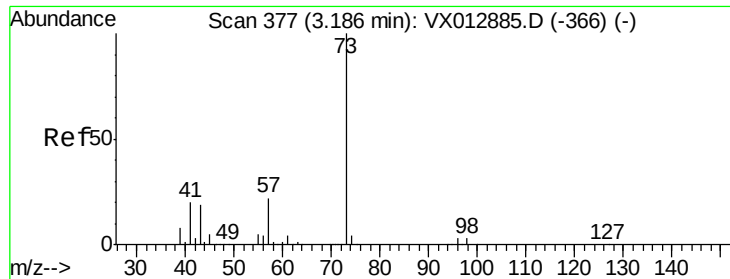
40000

20000

0

Time-->





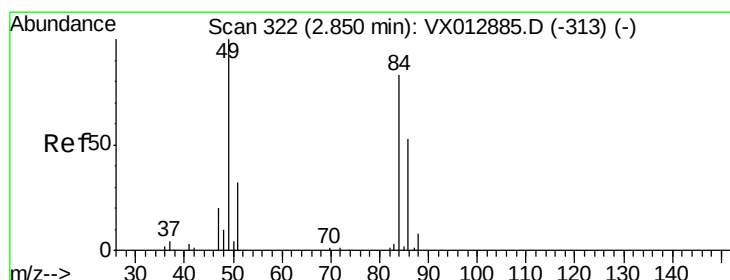
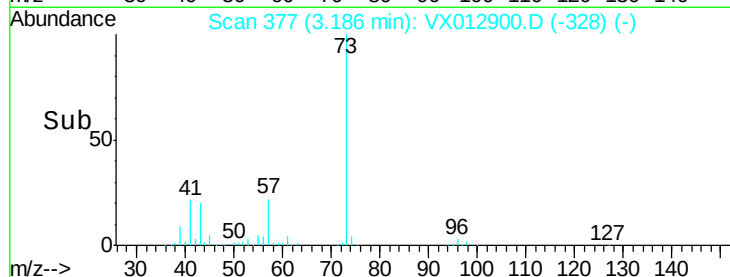
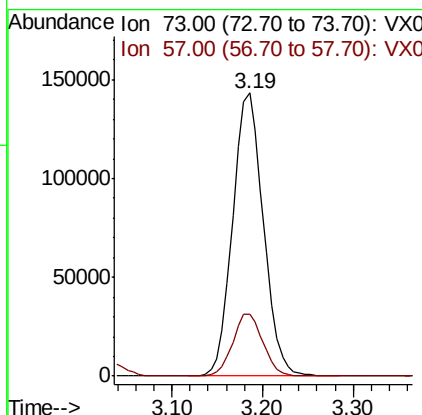
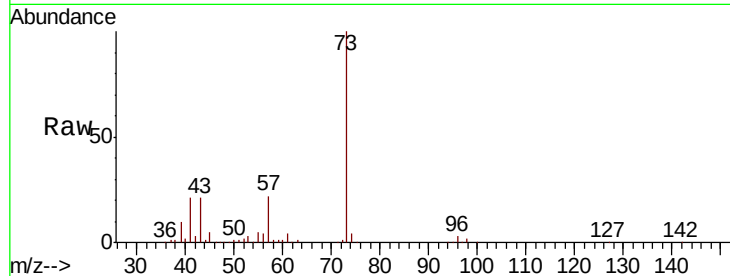
#19
Methyl tert-butyl Ether
Concen: 53.461 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.8	26.6

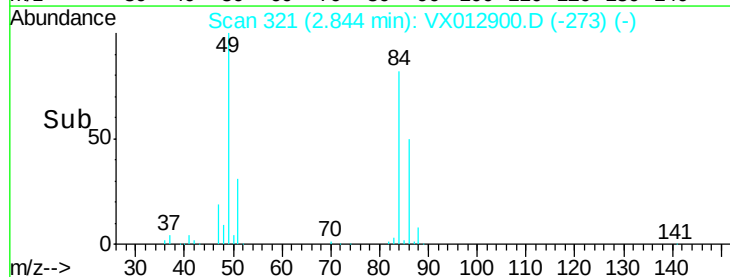
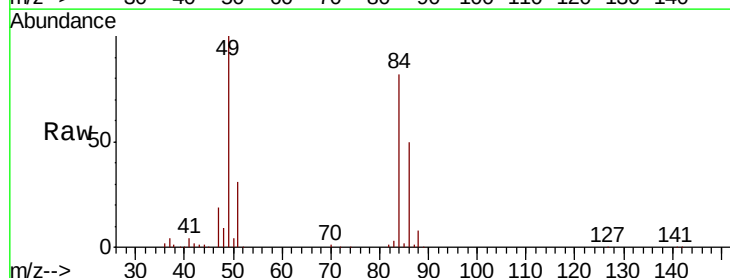
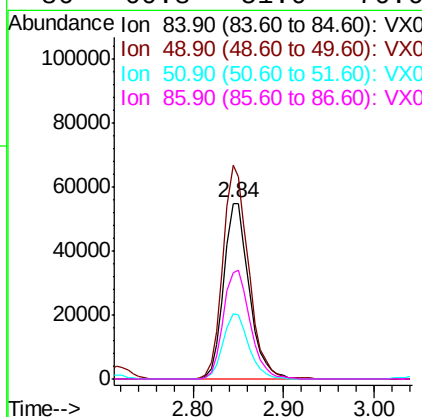
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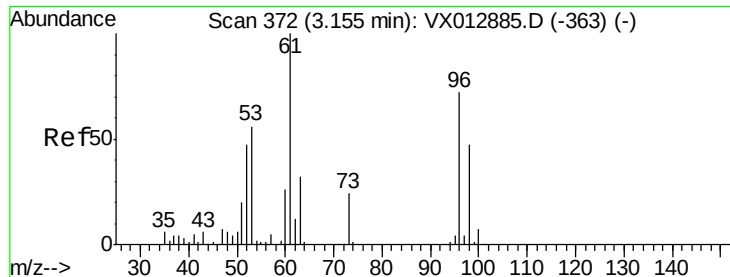
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#20
Methylene Chloride
Concen: 49.338 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.4	96.6	144.8
51	37.2	30.7	46.1
86	60.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 51.838 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

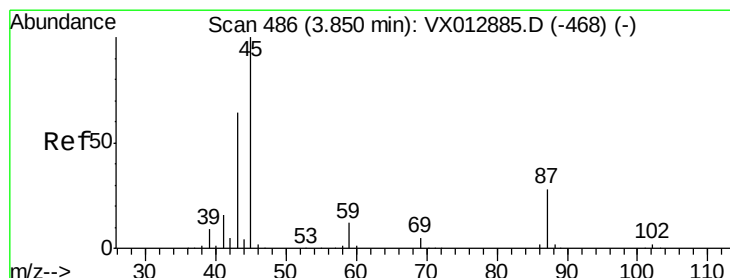
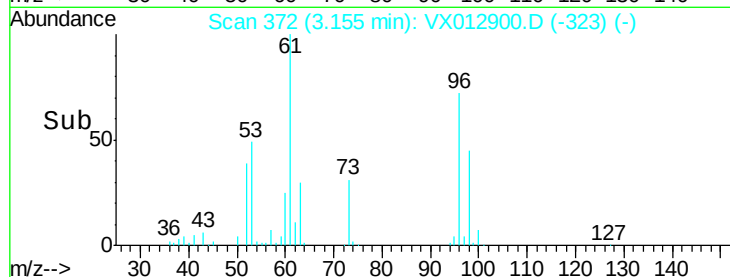
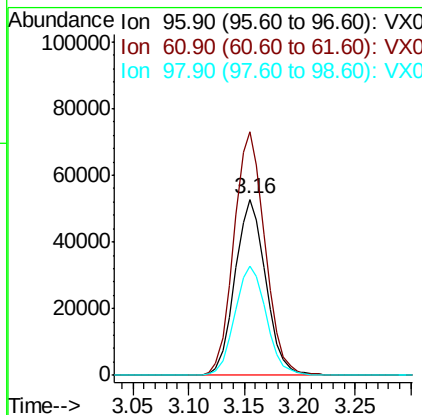
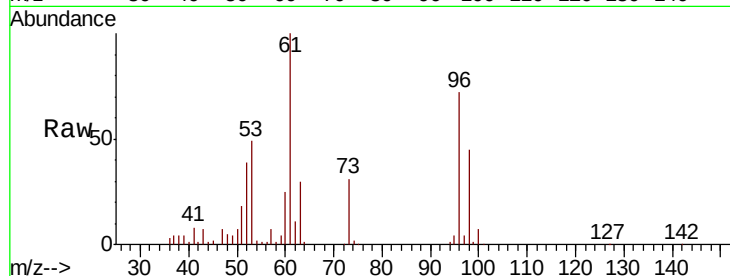
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	96	Resp:	101231
Ion	Ratio	Lower	Upper
96	100		
61	138.1	110.4	165.6
98	62.2	51.5	77.3

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#22

Diisopropyl ether

Concen: 53.120 ug/l

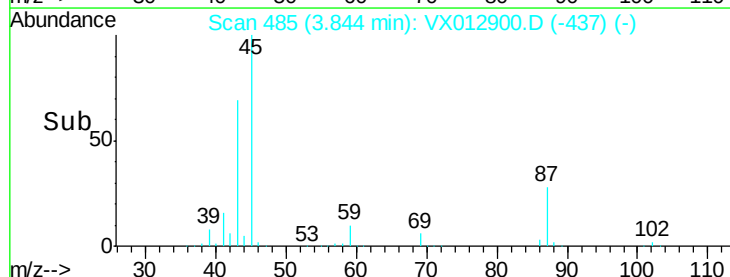
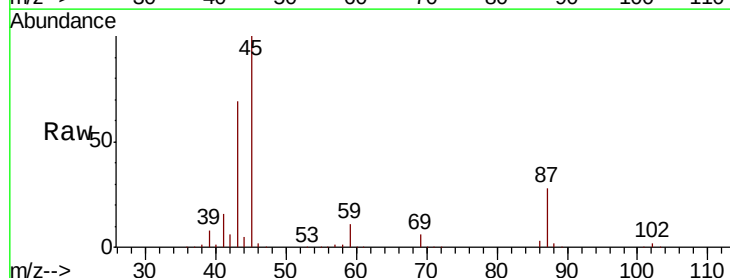
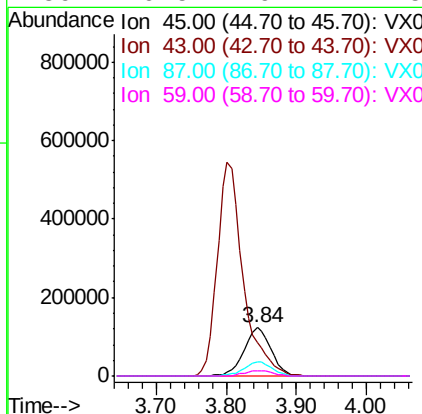
RT: 3.84 min Scan# 485

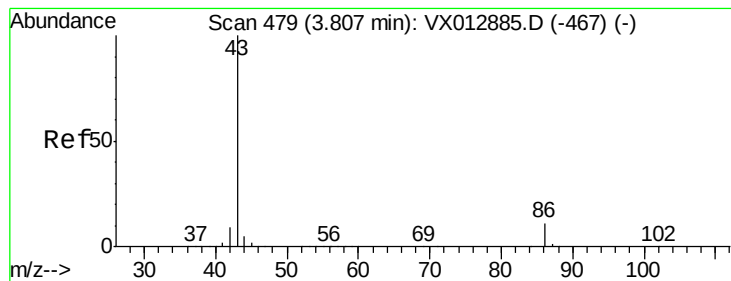
Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Tgt Ion:	45	Resp:	330271
Ion	Ratio	Lower	Upper
45	100		
43	69.2	51.4	77.0
87	28.2	22.5	33.7
59	10.5	9.7	14.5





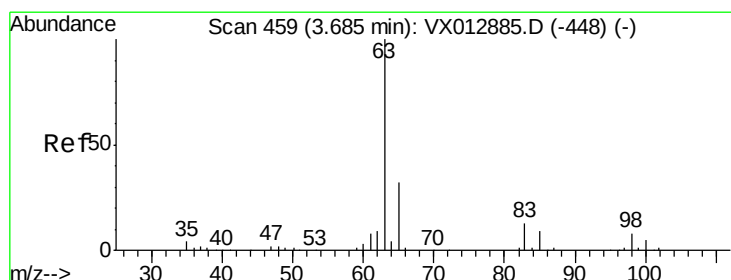
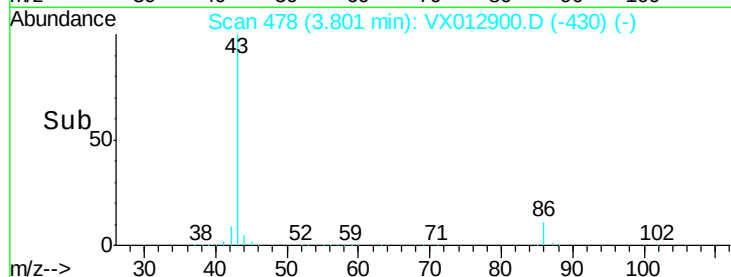
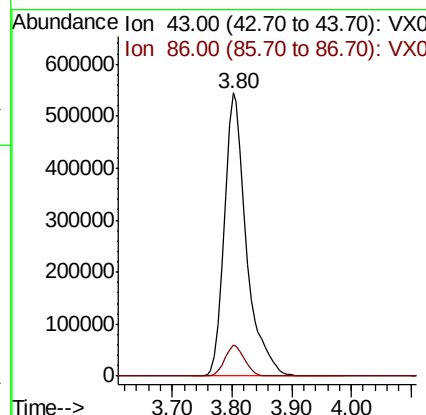
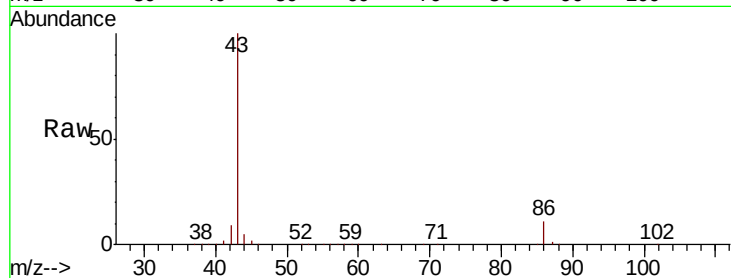
#23
 Vinyl Acetate
 Concen: 261.009 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion: 43 Resp: 1400934
 Ion Ratio Lower Upper
 43 100
 86 10.9 9.0 13.6

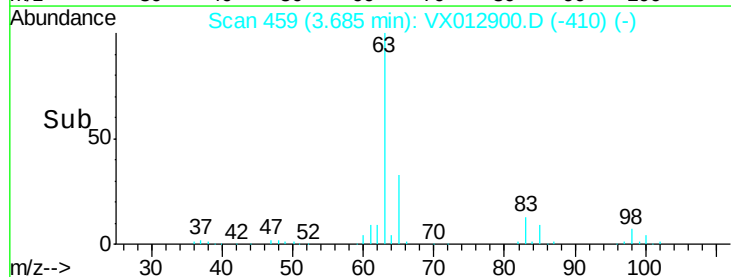
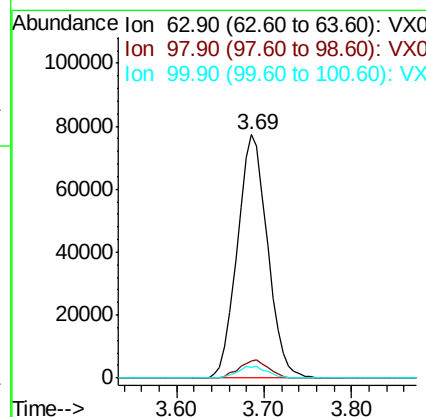
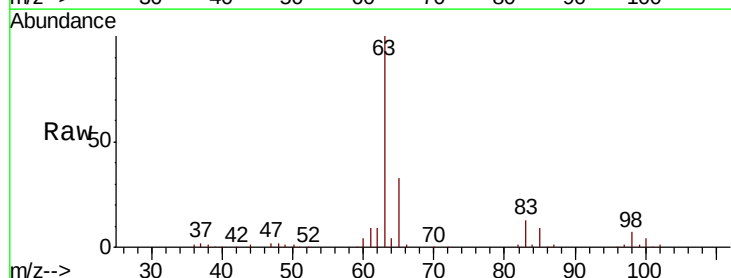
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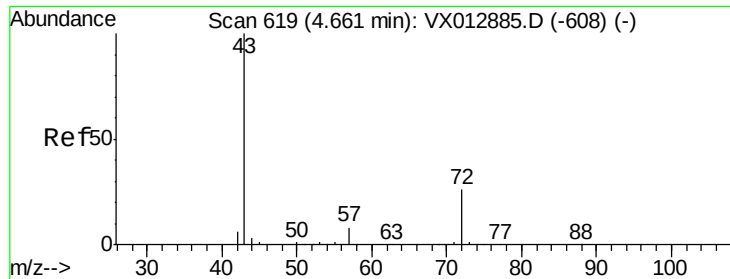
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#24
 1,1-Dichloroethane
 Concen: 53.072 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion: 63 Resp: 185636
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.9 11.5
 100 4.4 2.3 6.9





#25

2-Butanone

Concen: 252.037 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 43 Resp: 415338

Ion Ratio Lower Upper

43 100

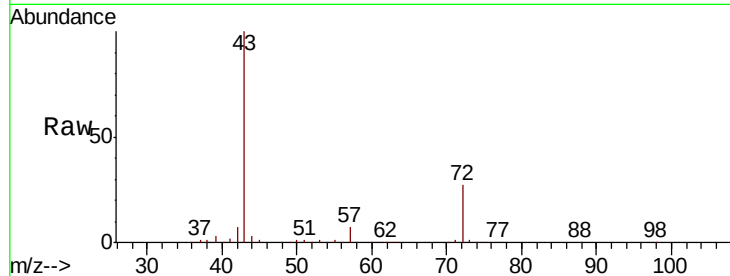
72 27.4 21.0 31.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

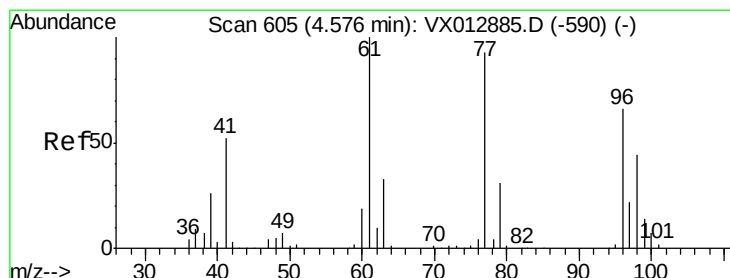
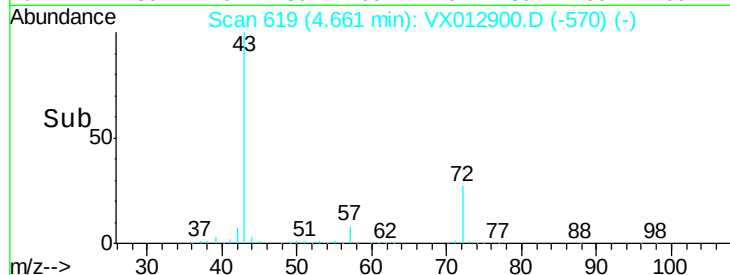
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.961 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012900.D

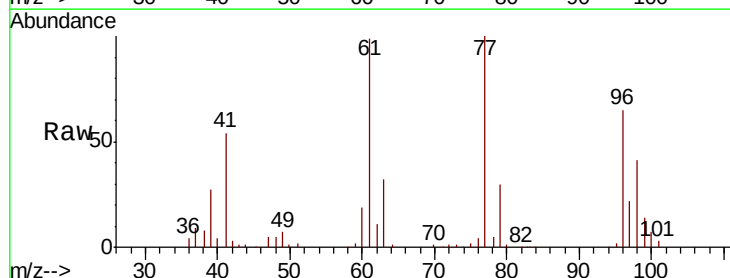
Acq: 08 Oct 2019 19:23

Tgt Ion: 77 Resp: 138129

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

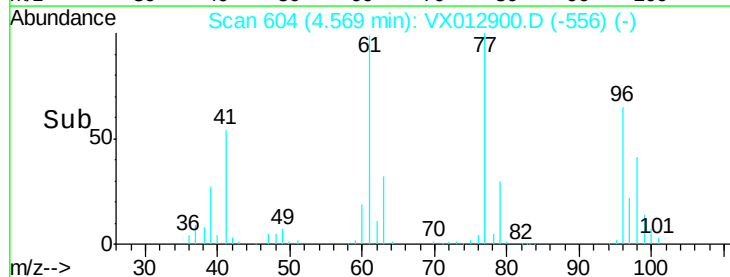
20000

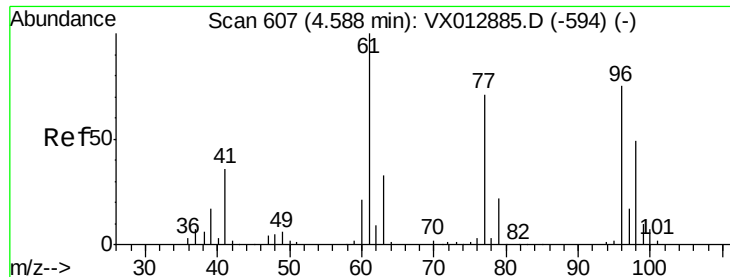
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

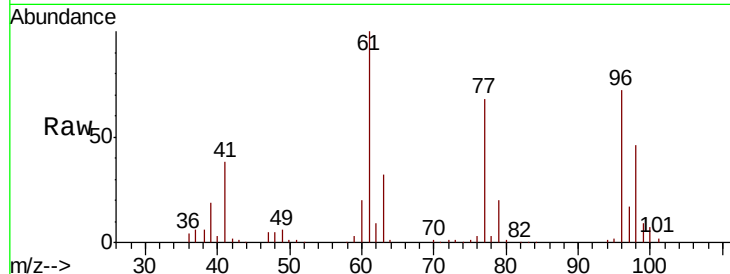
cis-1,2-Dichloroethene
Concen: 51.881 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	116785		
61	144.0	0.0	290.6	
98	64.7	0.0	128.8	

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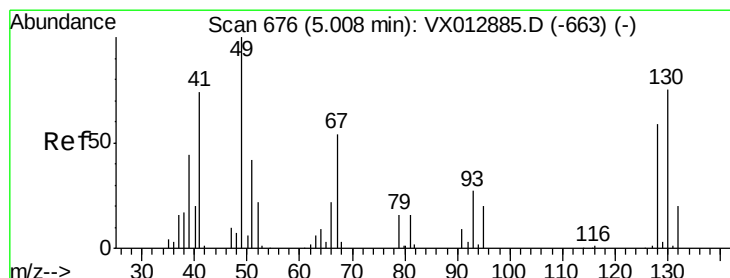
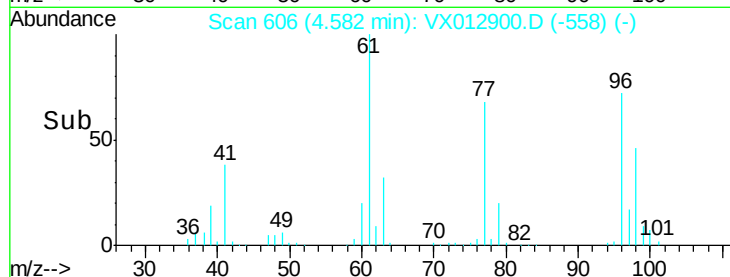
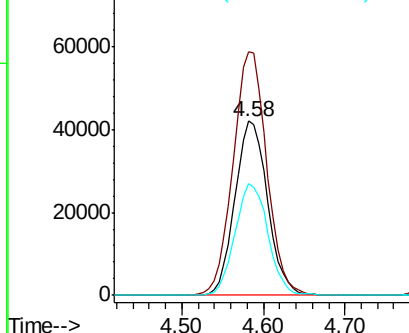


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

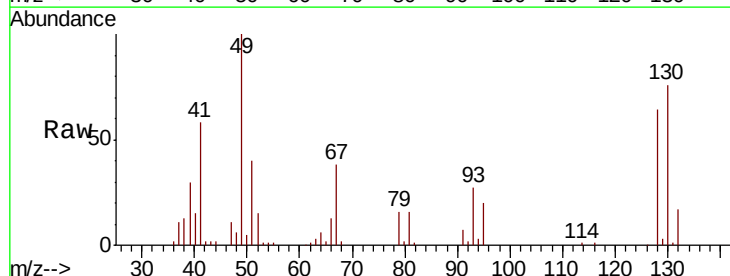
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 55.355 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	57814		
129	2.2	0.0	4.2	
130	75.8	62.1	93.1	

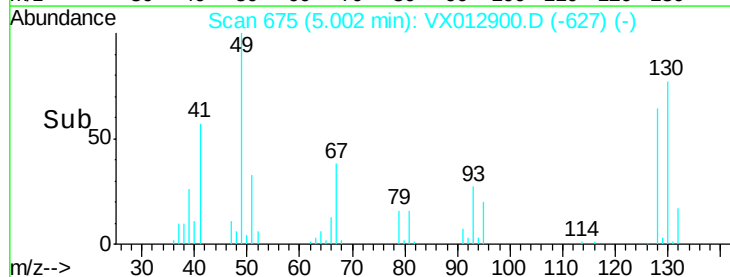
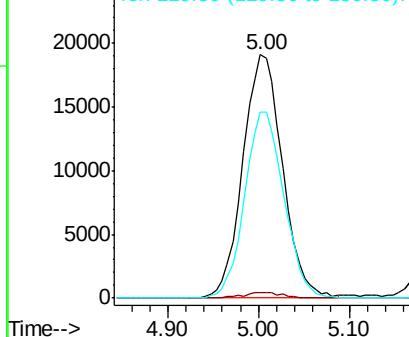


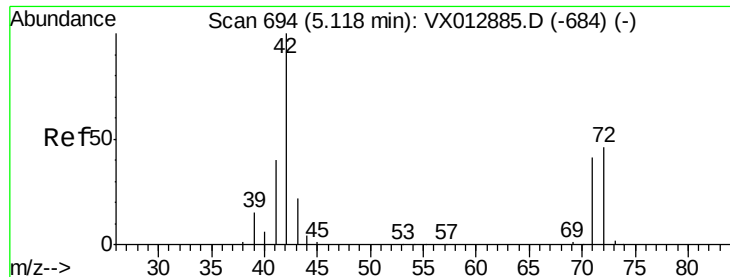
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





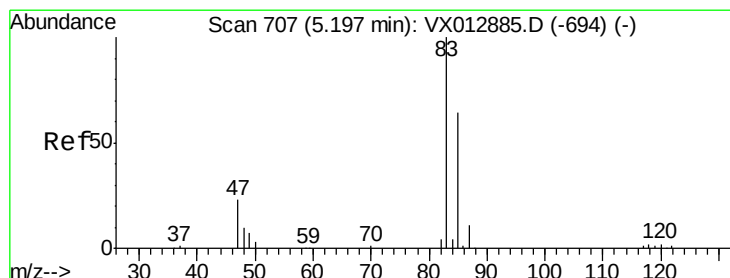
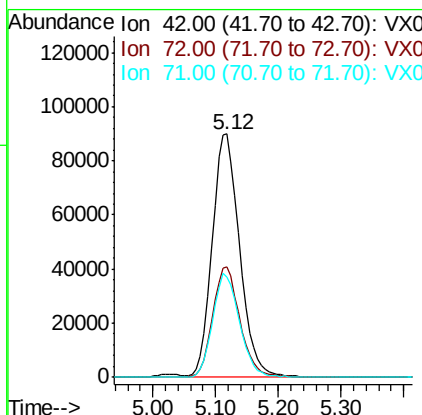
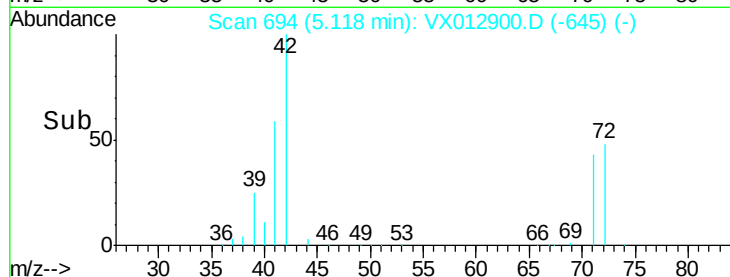
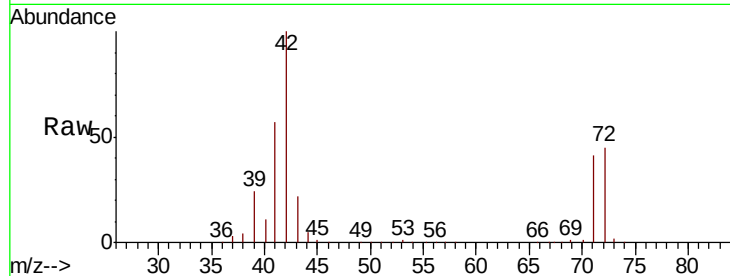
#29
Tetrahydrofuran
Concen: 267.626 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.9	55.3
71	42.0	33.5	50.3

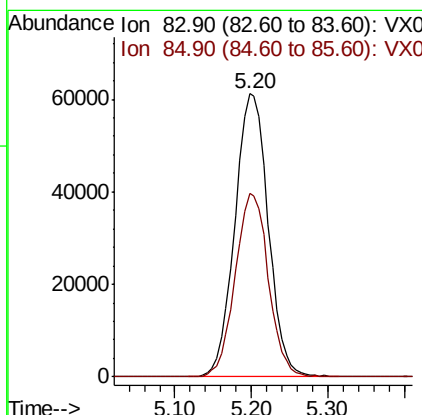
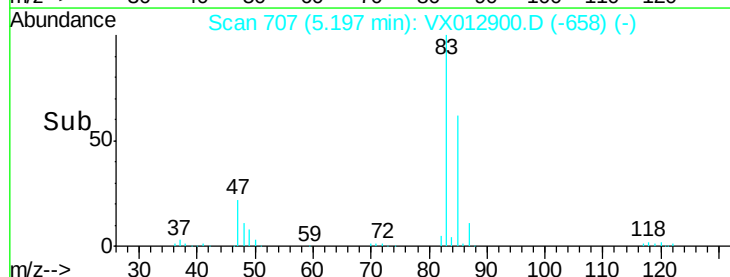
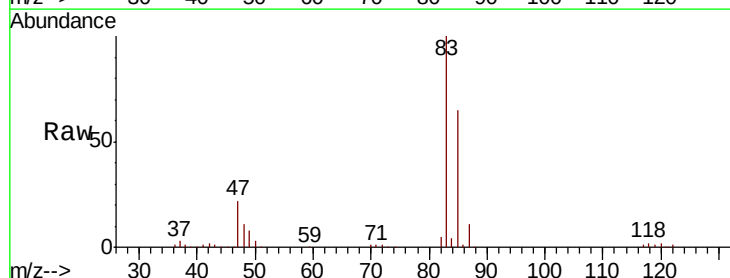
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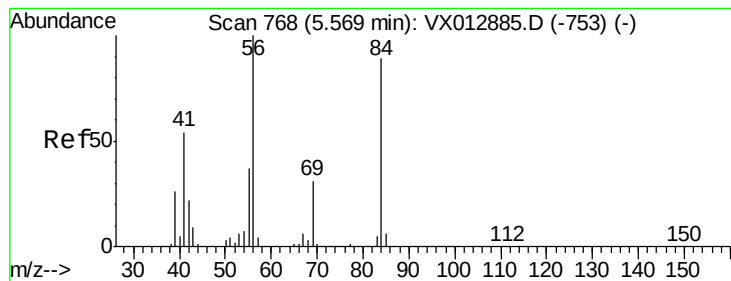
MMDadoda
10/9/2019 10:36:26 AM



#30
Chloroform
Concen: 51.607 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3





#31

Cyclohexane

Concen: 48.763 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

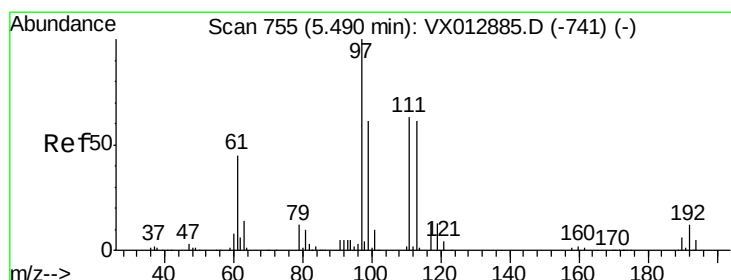
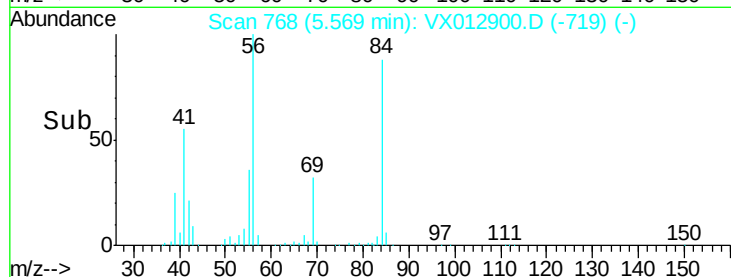
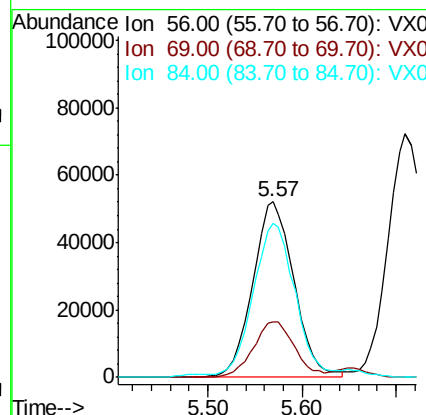
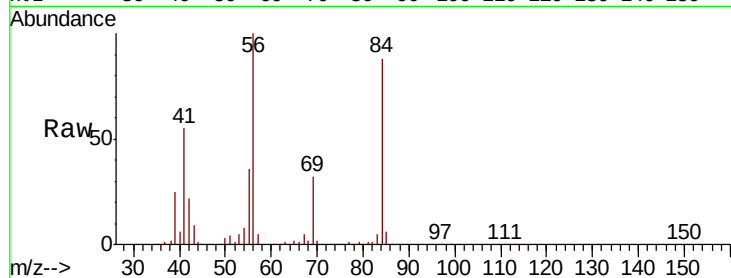
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	56	Resp:	159489
Ion Ratio	Lower	Upper	
56	100		
69	31.7	25.2	37.8
84	85.9	71.3	106.9

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#32

1,1,1-Trichloroethane

Concen: 52.731 ug/l

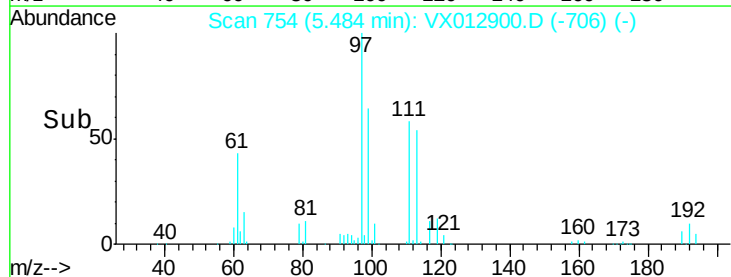
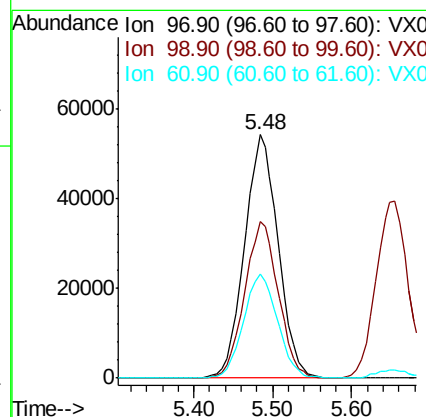
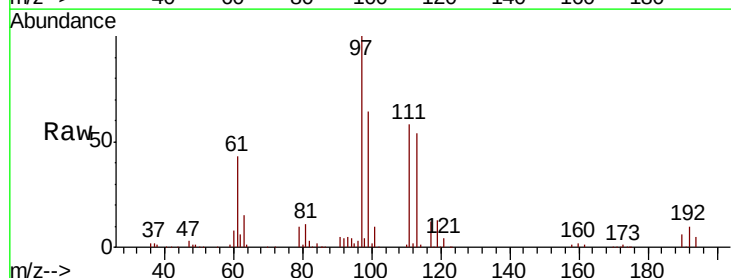
RT: 5.48 min Scan# 754

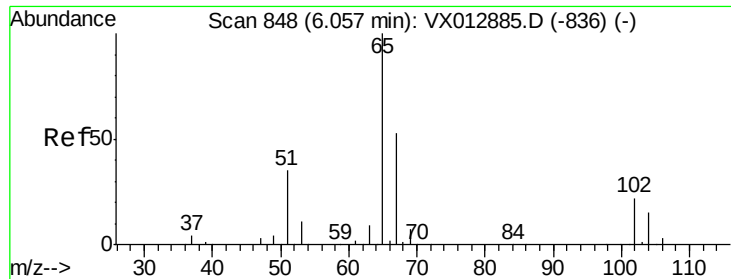
Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Tgt Ion:	97	Resp:	160356
Ion Ratio	Lower	Upper	
97	100		
99	64.6	52.3	78.5
61	43.5	35.0	52.4





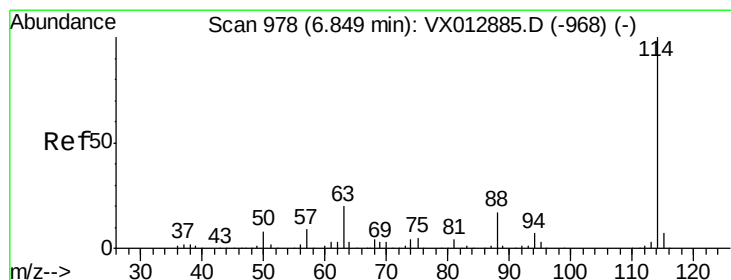
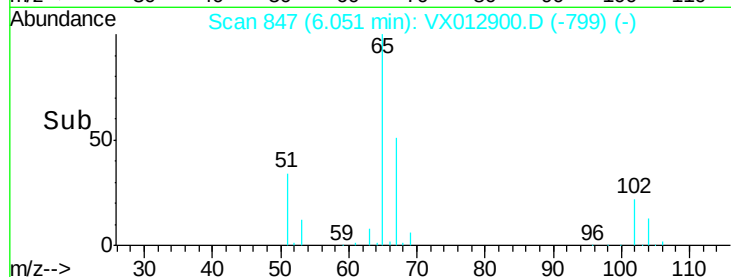
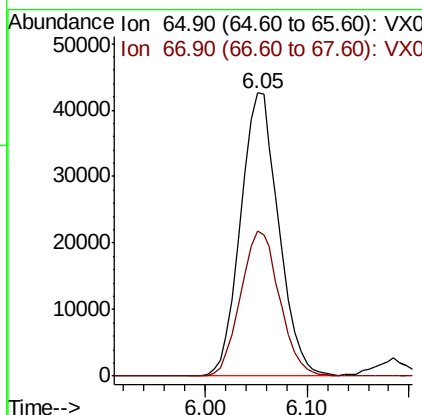
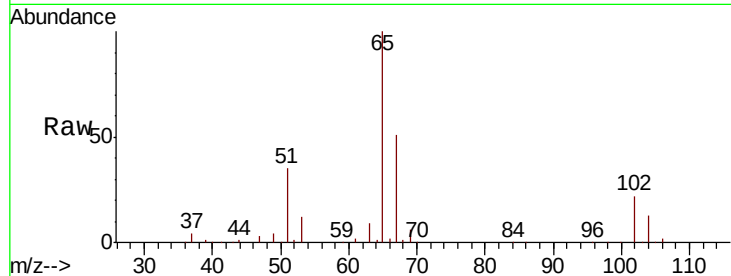
#33
 1,2-Dichloroethane-d4
 Concen: 49.078 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	110597		
67	52.3	0.0	104.4	

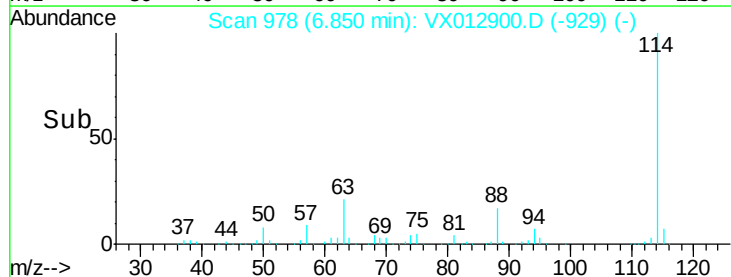
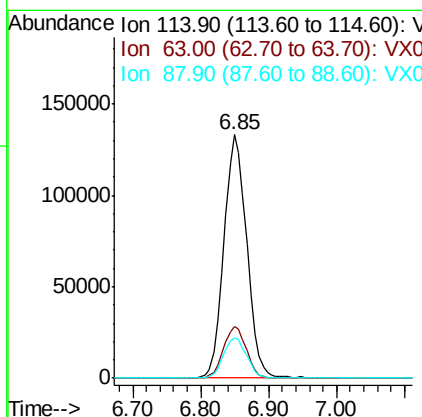
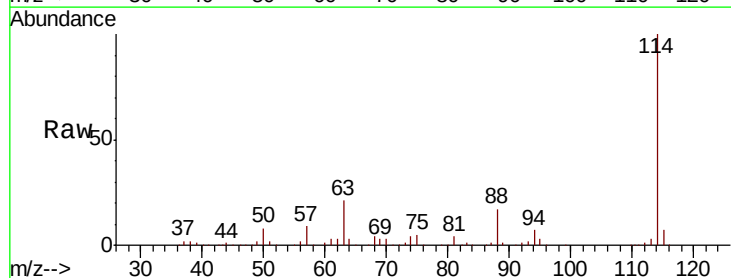
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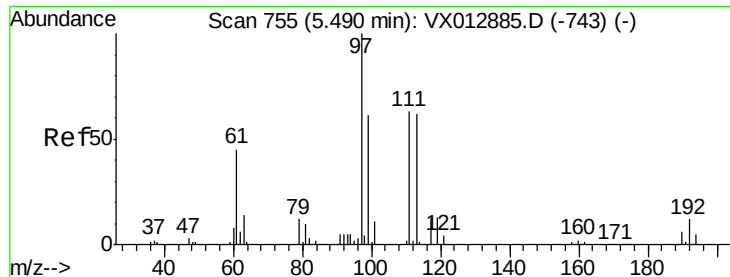
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 10/9/2019 10:36:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	310787		
63	21.3	0.0	40.8	
88	16.7	0.0	33.8	





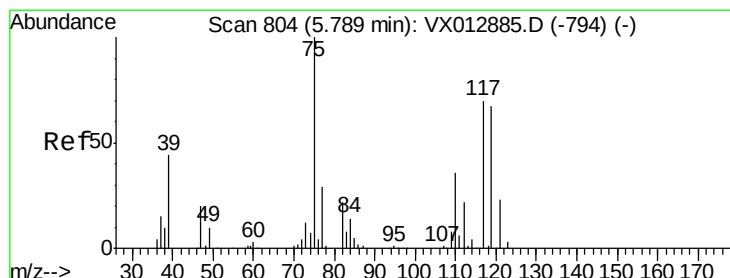
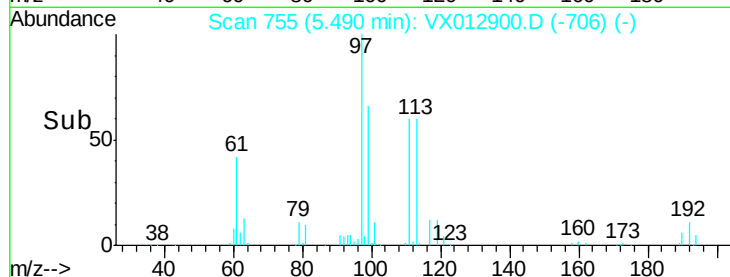
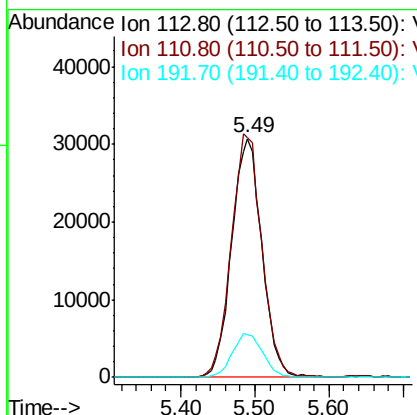
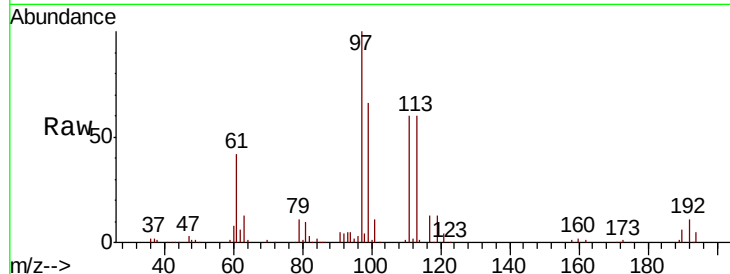
#35
 Dibromofluoromethane
 Concen: 48.936 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	87289		
111	103.1	83.2	124.8	
192	18.5	15.4	23.2	

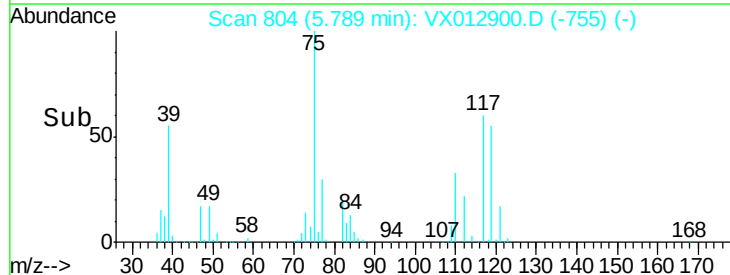
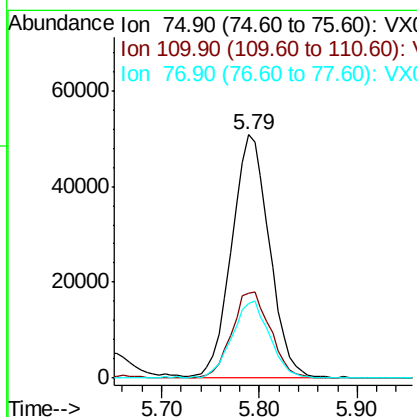
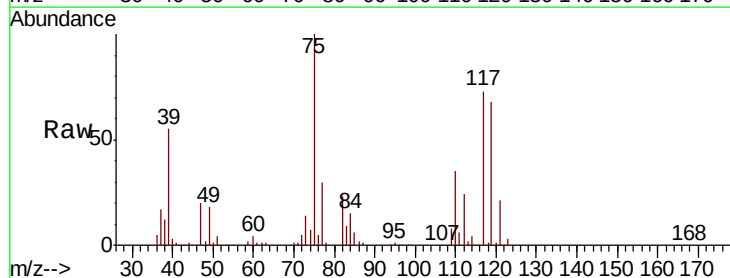
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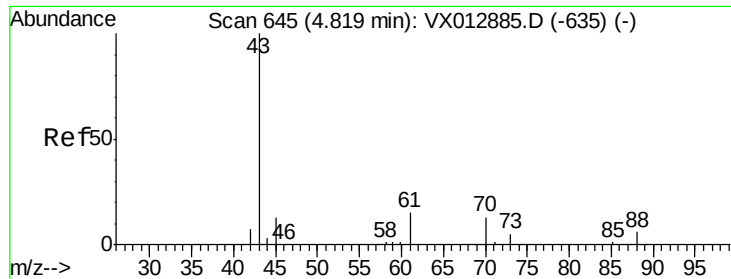
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#36
 1,1-Dichloropropene
 Concen: 49.507 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	135275		
110	36.4	17.6	52.9	
77	31.9	24.4	36.6	





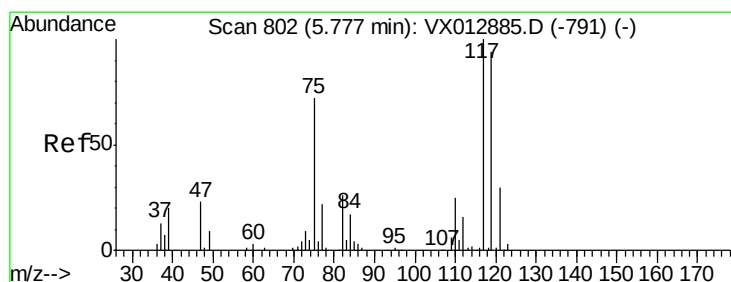
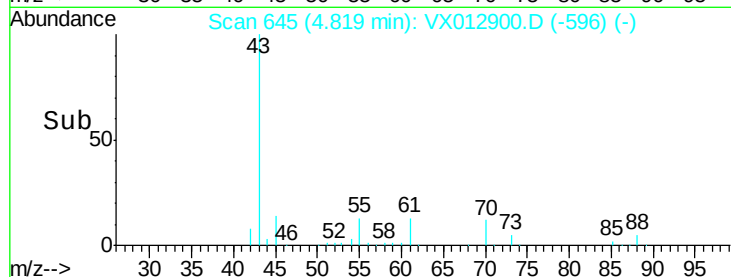
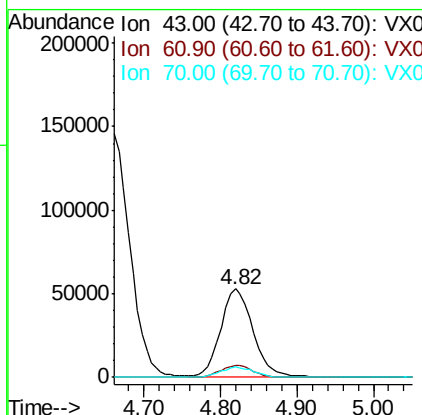
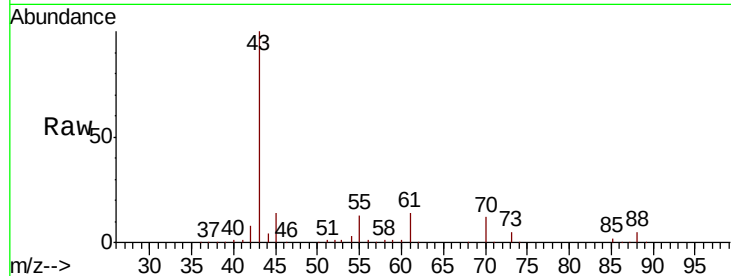
#37
Ethyl Acetate
Concen: 50.340 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	12.1	9.8	14.6

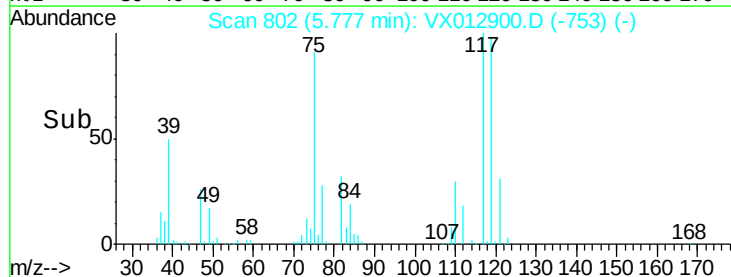
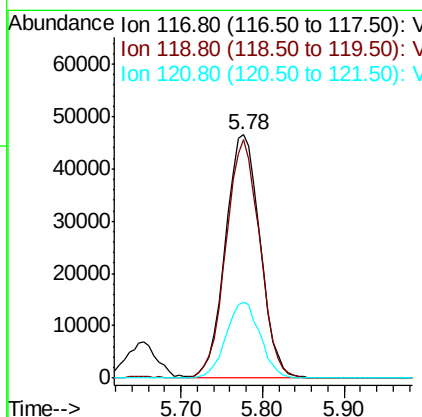
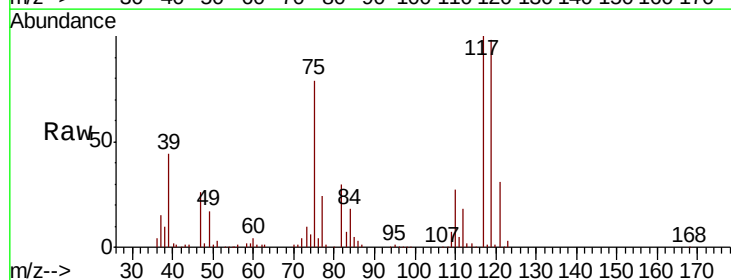
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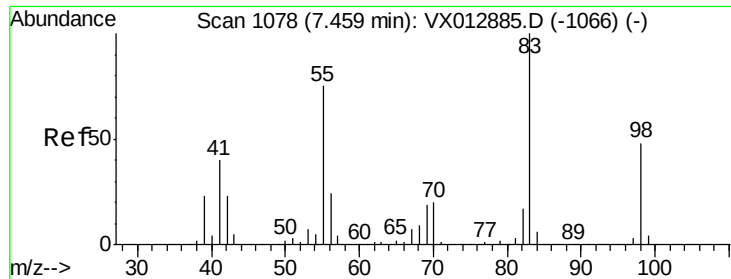
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.374 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	74.5	111.7
121	31.0	24.2	36.4





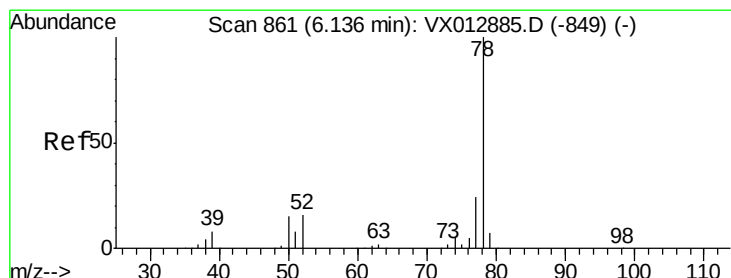
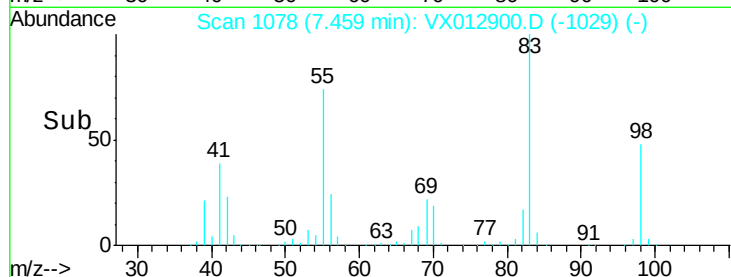
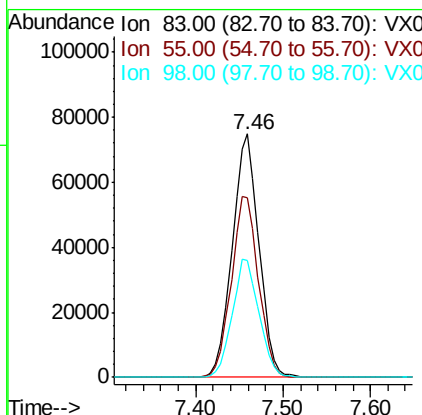
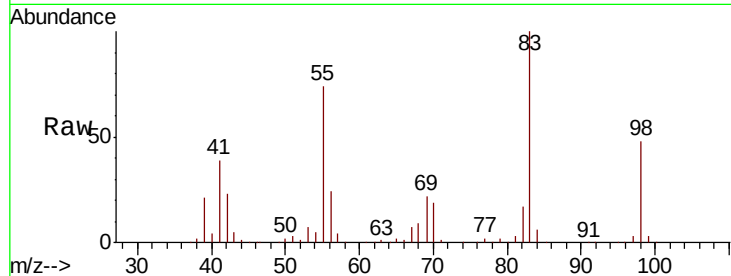
#39
Methylvlcyclohexane
Concen: 47.809 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.8	60.2	90.4	
98	47.8	38.5	57.7	

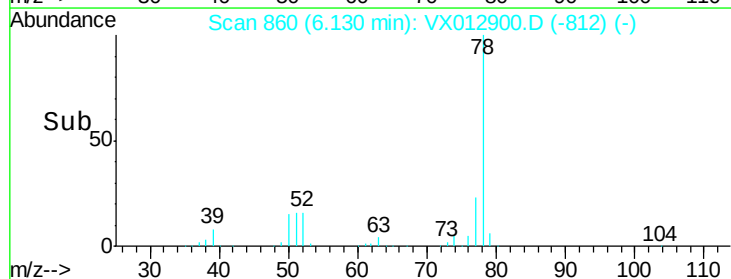
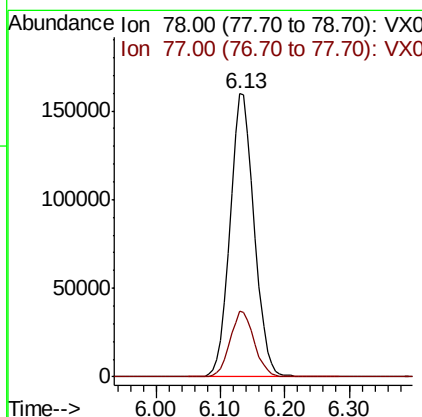
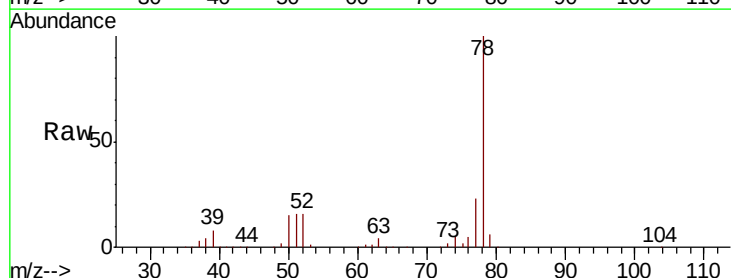
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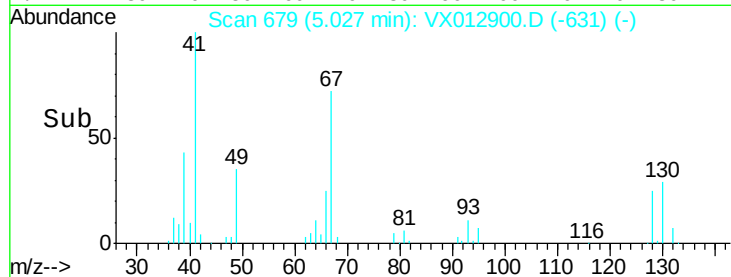
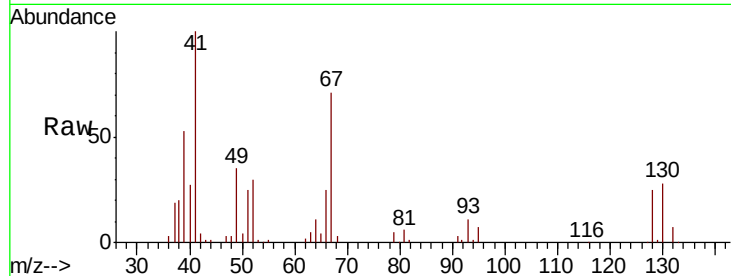
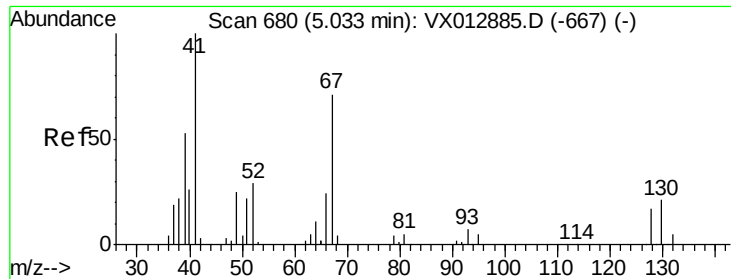
MMDadoda
10/9/2019 10:36:26 AM



#40
Benzene
Concen: 51.947 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	19.0	28.4	





#41

Methacrylonitrile

Concen: 54.307 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX012900.D

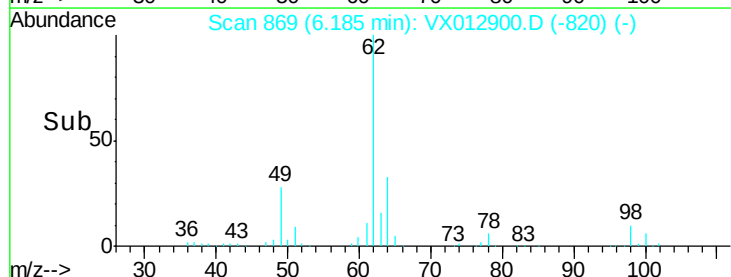
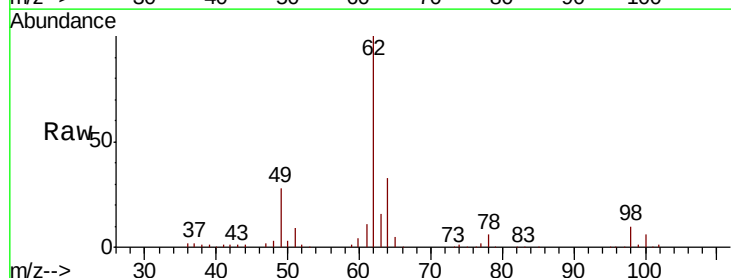
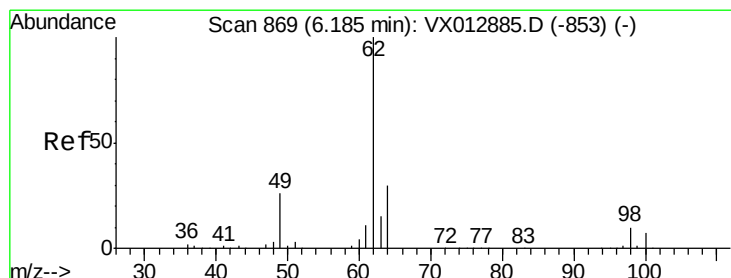
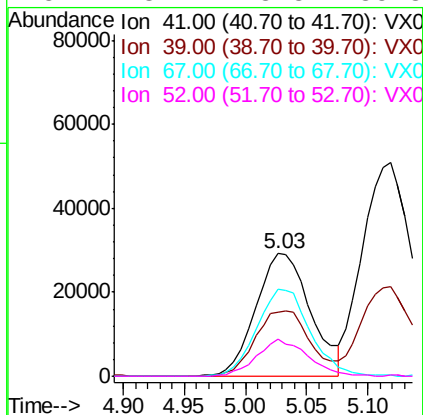
Acq: 08 Oct 2019 19:23

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	52.2	44.0	66.0		
67	69.3	58.5	87.7		
52	28.1	23.8	35.8		

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Manual Integrations
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10/9/2019 10:36:26 AM



#42

1,2-Dichloroethane

Concen: 51.599 ug/l

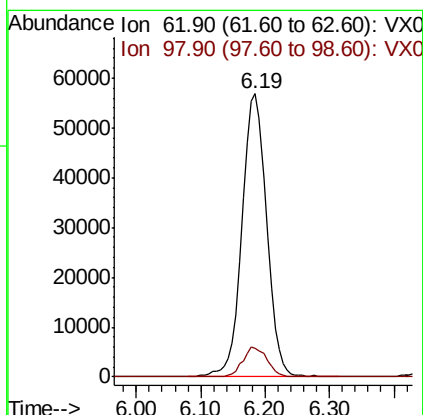
RT: 6.19 min Scan# 869

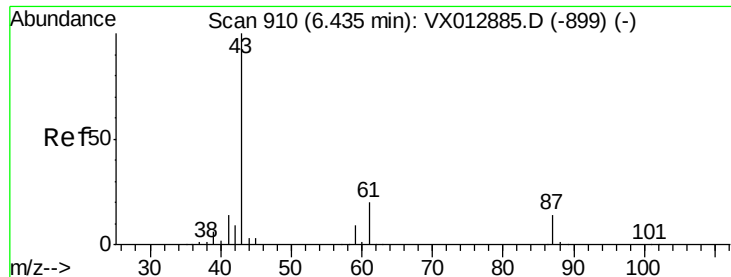
Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.2	0.0	20.4		





#43

Isopropyl Acetate

Concen: 51.304 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

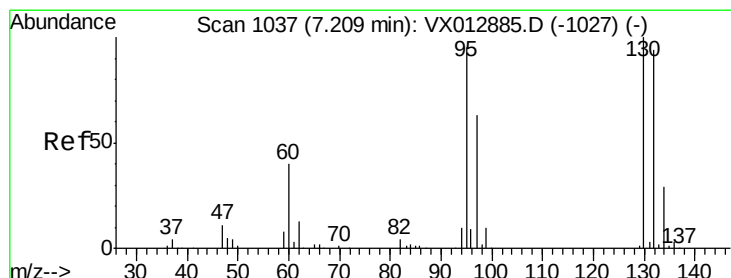
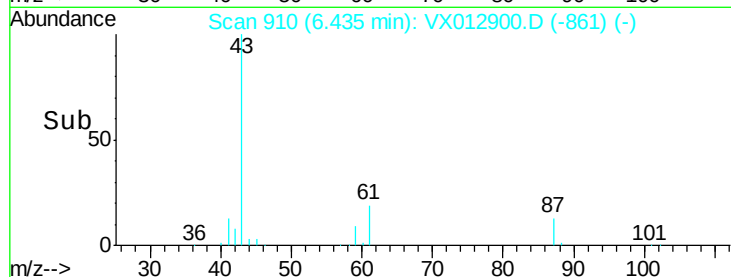
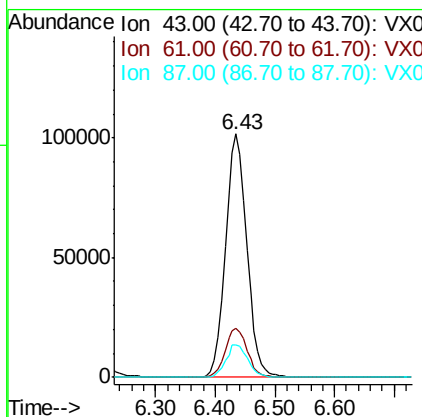
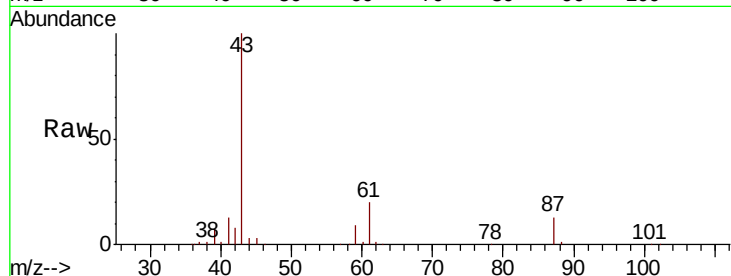
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	43	Resp:	251597
Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.6	24.8
87	13.7	11.0	16.6

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#44

Trichloroethene

Concen: 47.995 ug/l

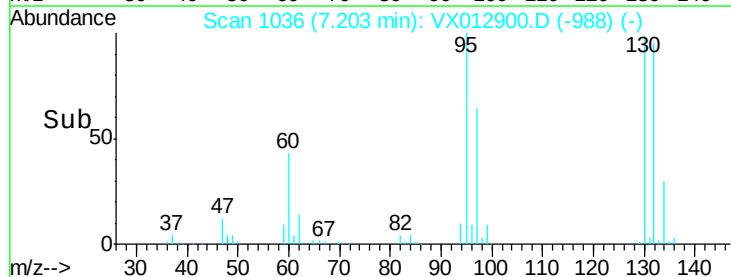
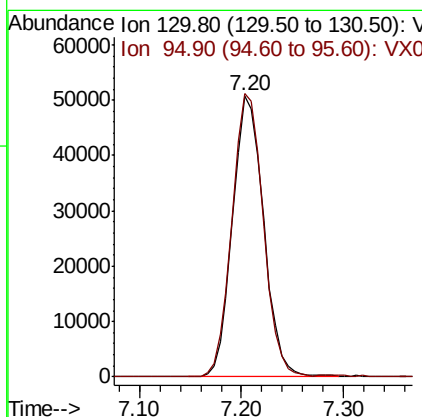
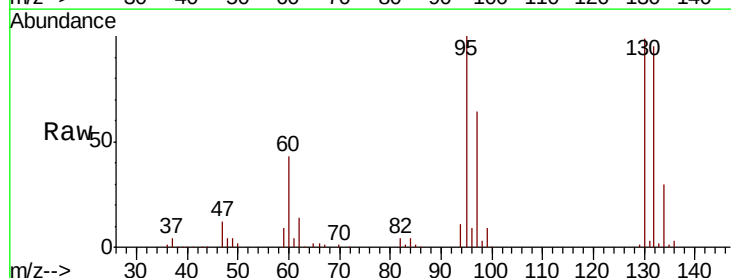
RT: 7.20 min Scan# 1036

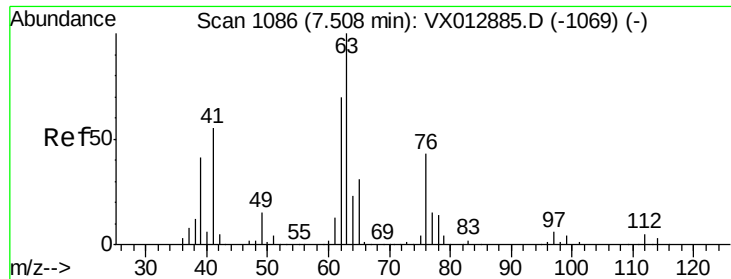
Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Tgt Ion:	130	Resp:	107410
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	189.2





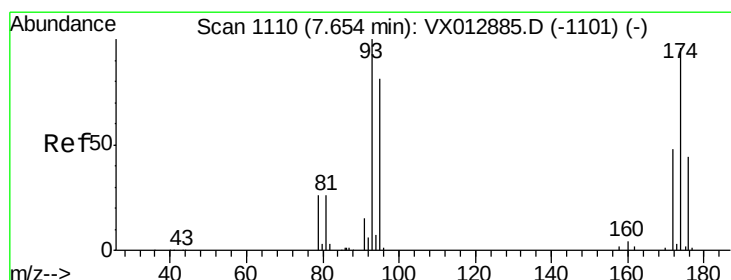
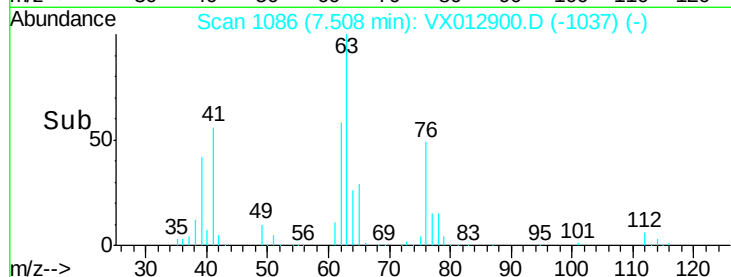
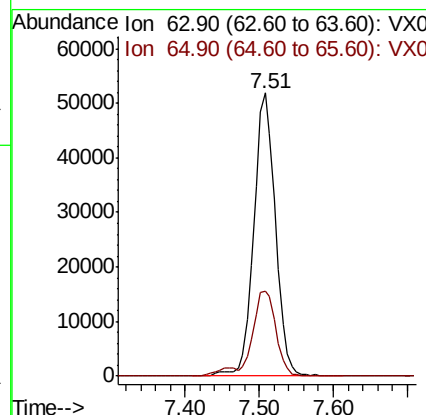
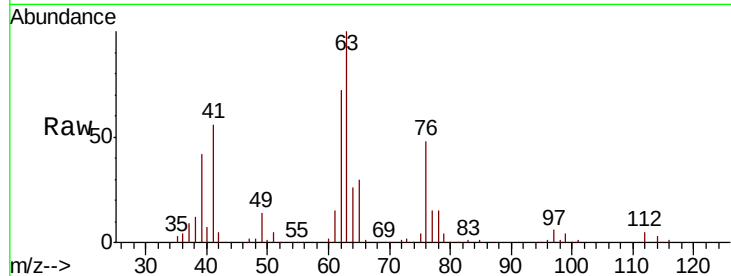
#45
 1,2-Dichloropropane
 Concen: 51.437 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion: 63 Resp: 105799
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.6 37.0

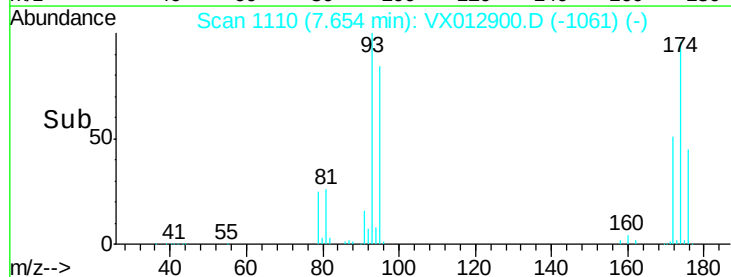
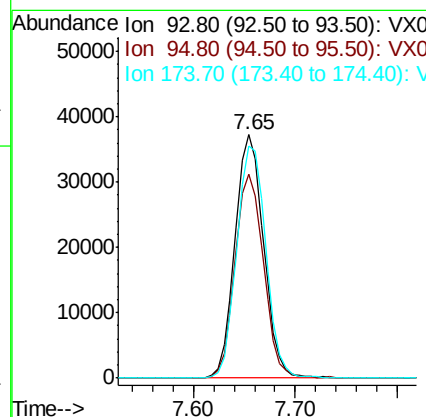
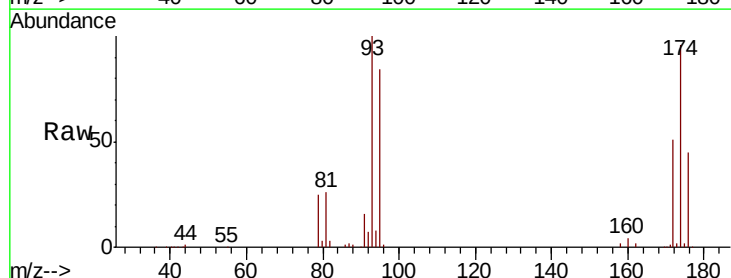
Manual Integrations
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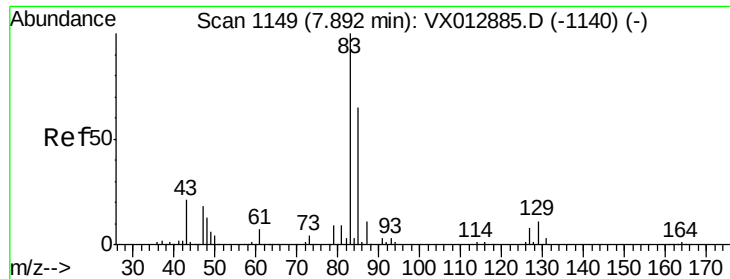
MMDadoda
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#46
 Dibromomethane
 Concen: 52.669 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion: 93 Resp: 72178
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.3 99.5
 174 97.3 77.8 116.6





#47

Bromodichloromethane

Concen: 52.942 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

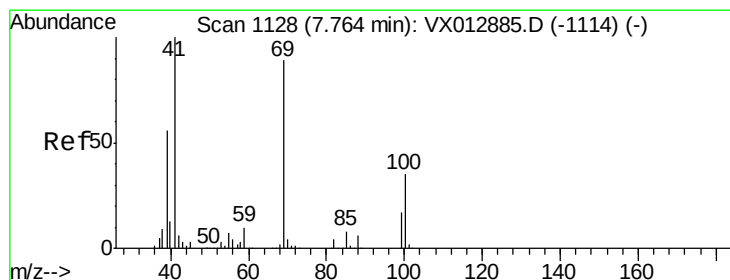
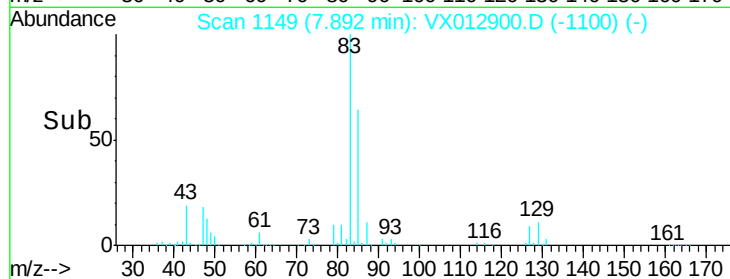
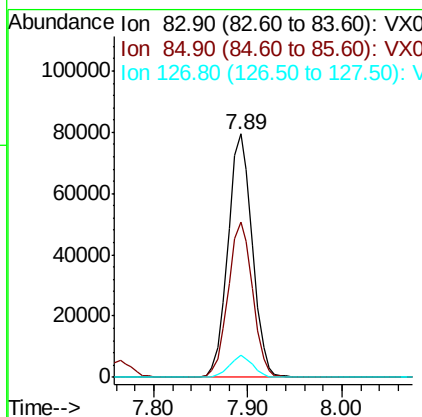
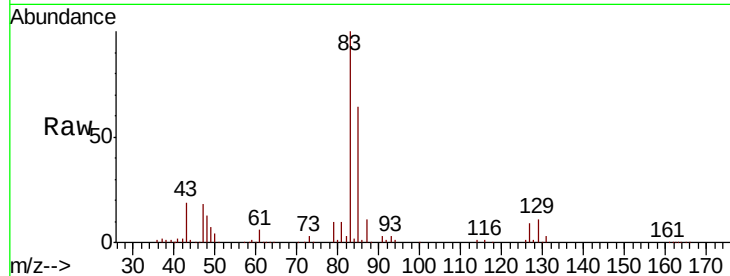
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	83	Resp:	141586
Ion Ratio	Lower	Upper	
83	100		
85	63.8	52.4	78.6
127	9.0	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.302 ug/l

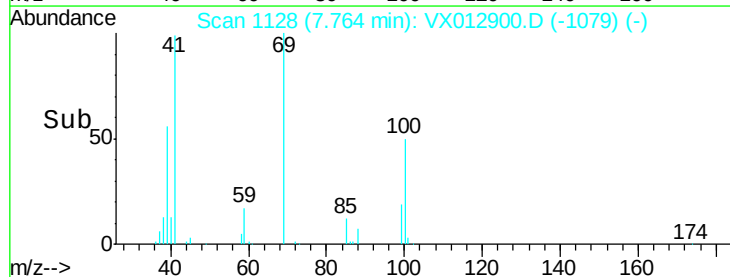
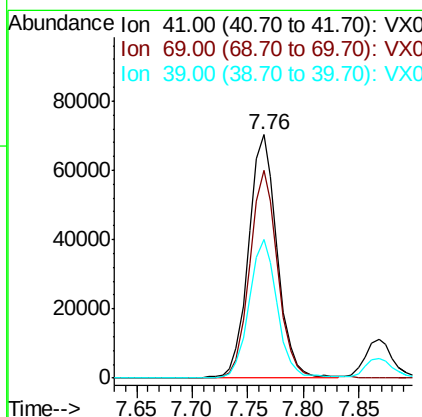
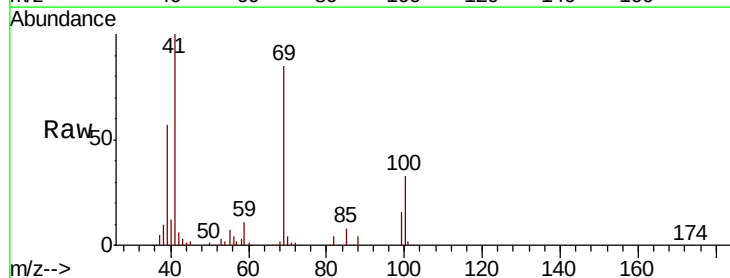
RT: 7.76 min Scan# 1128

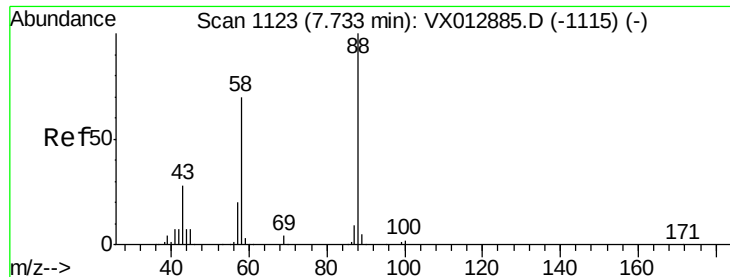
Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Tgt Ion:	41	Resp:	124990
Ion Ratio	Lower	Upper	
41	100		
69	84.6	68.7	103.1
39	56.3	44.3	66.5





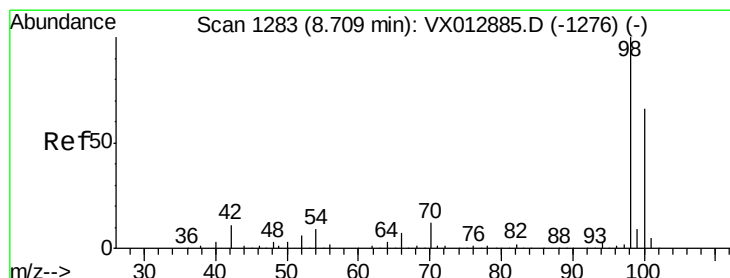
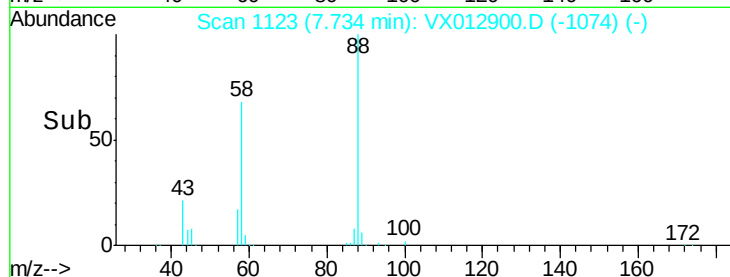
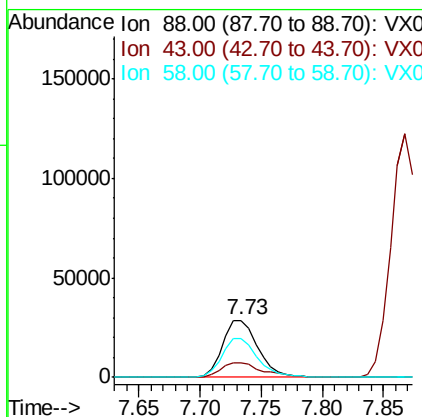
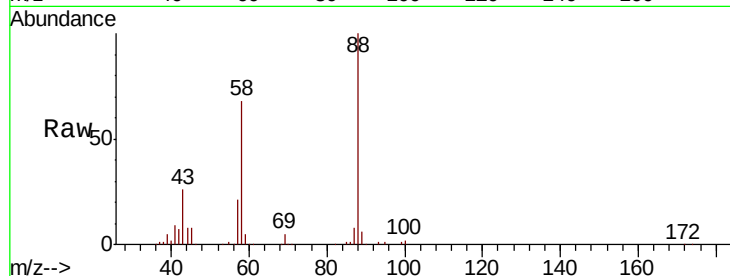
#49
1,4-Dioxane
Concen: 901.414 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	25.0	37.6
58	70.0	55.4	83.2

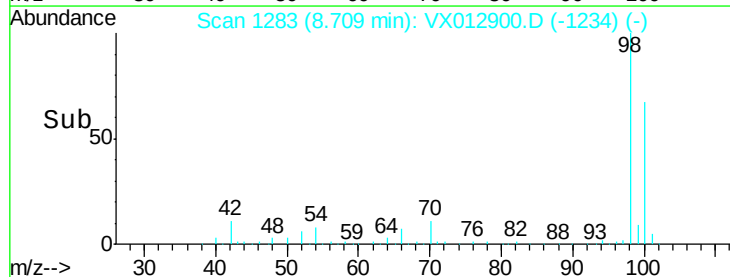
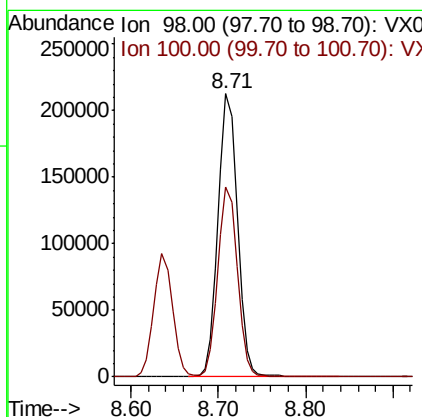
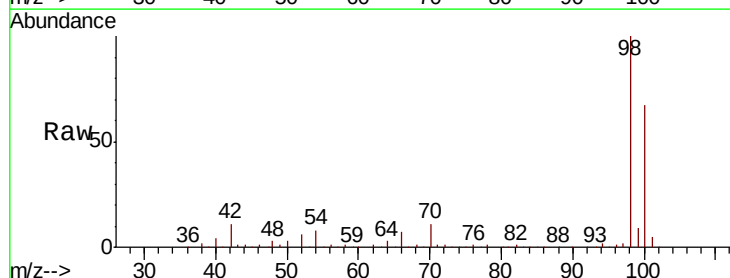
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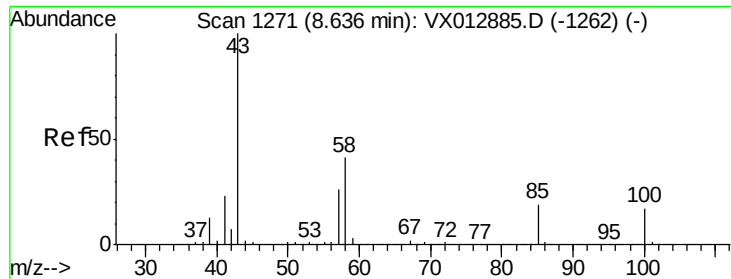
MMDadoda
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#50
Toluene-d8
Concen: 47.437 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 263.851 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 43 Resp: 806738

Ion Ratio Lower Upper

43 100

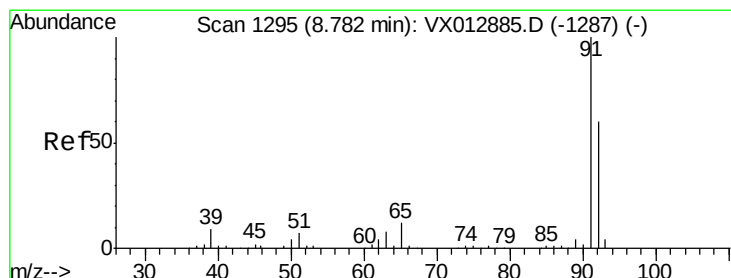
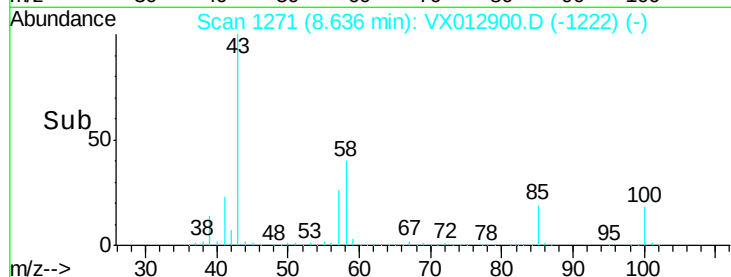
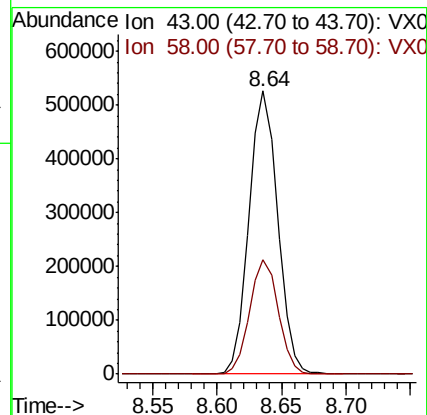
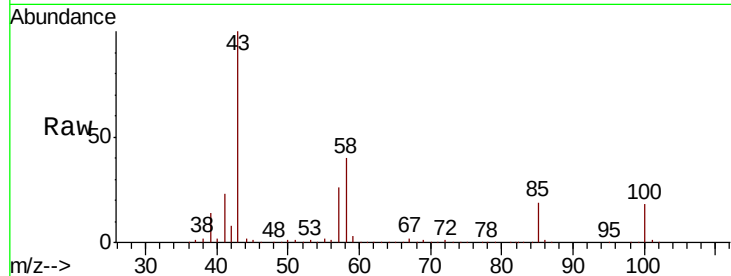
58 40.4 32.4 48.6

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#52

Toluene

Concen: 51.484 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012900.D

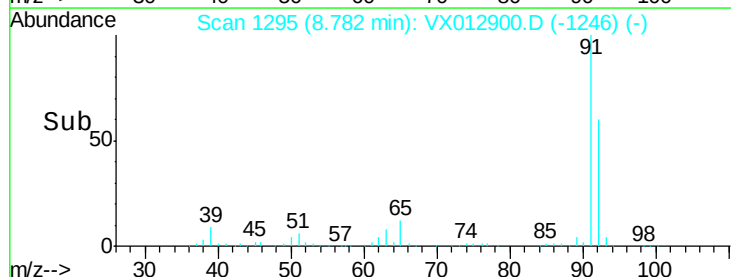
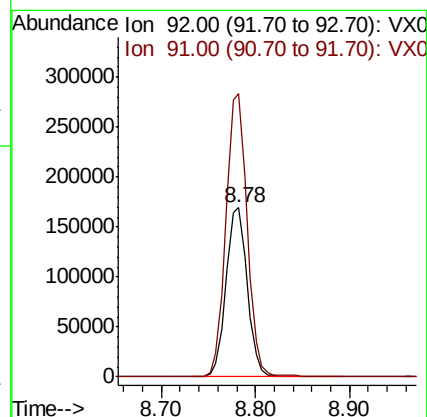
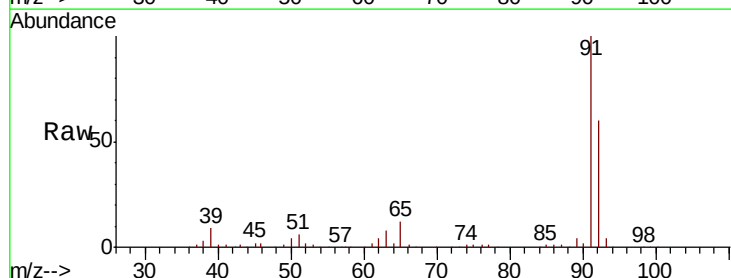
Acq: 08 Oct 2019 19:23

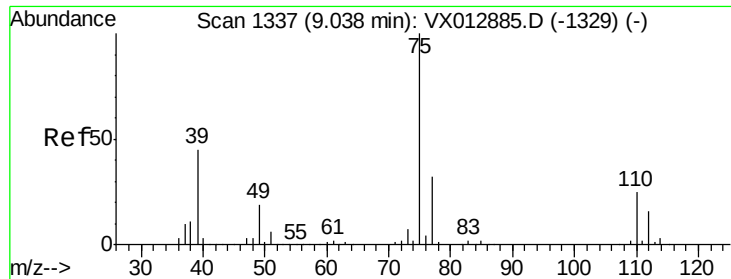
Tgt Ion: 92 Resp: 265815

Ion Ratio Lower Upper

92 100

91 167.3 135.9 203.9





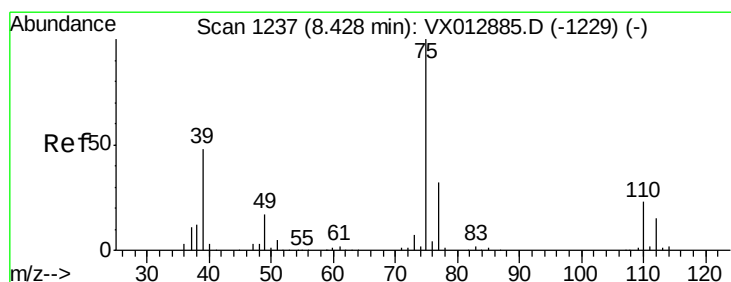
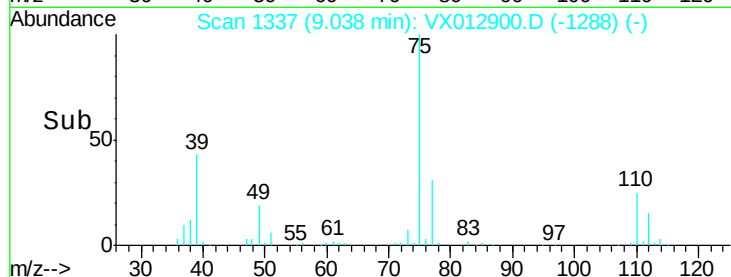
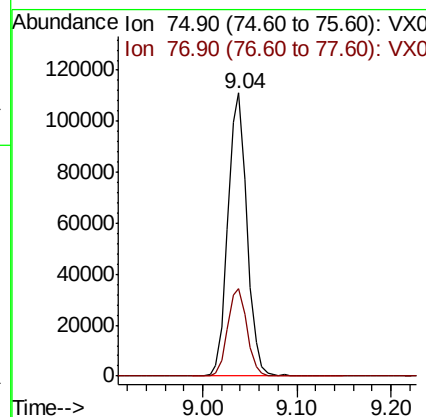
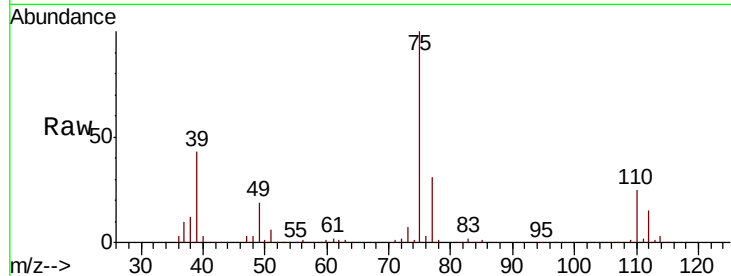
#53
 t-1,3-Dichloropropene
 Concen: 46.898 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion: 75 Resp: 156052
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.8 38.6

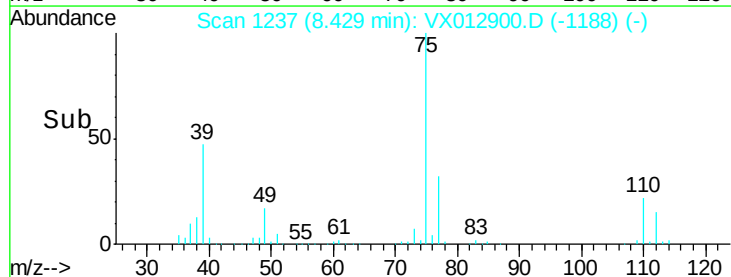
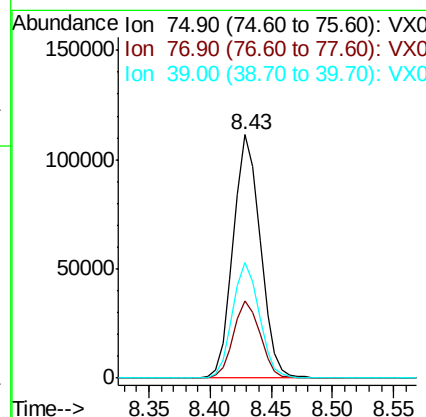
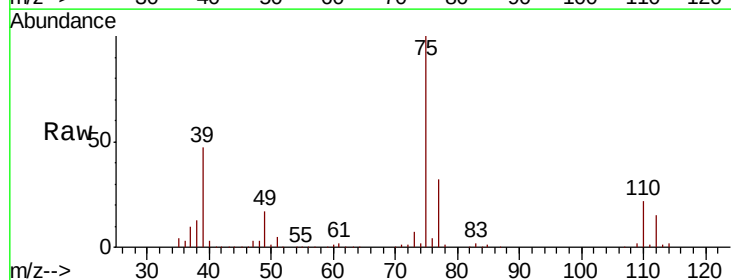
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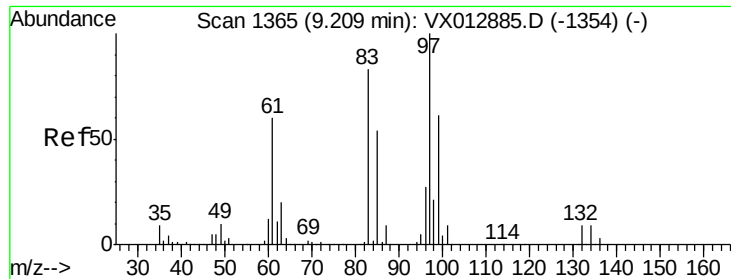
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#54
 cis-1,3-Dichloropropene
 Concen: 52.059 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion: 75 Resp: 171233
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8
 39 47.2 38.2 57.2





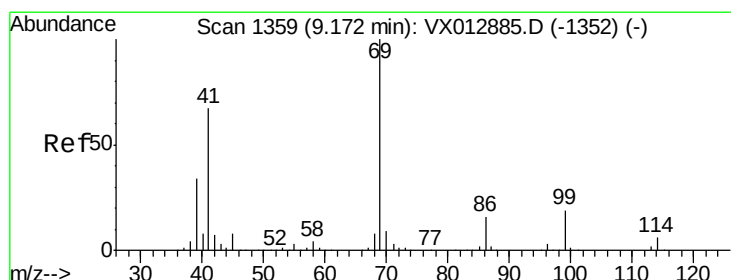
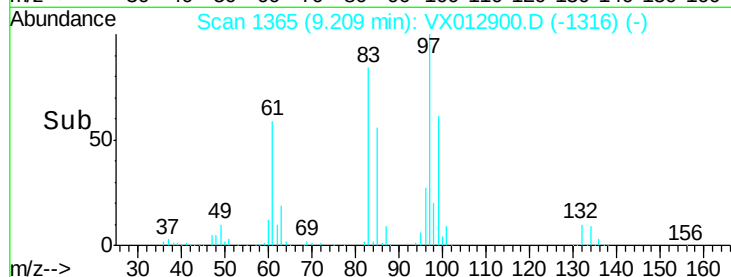
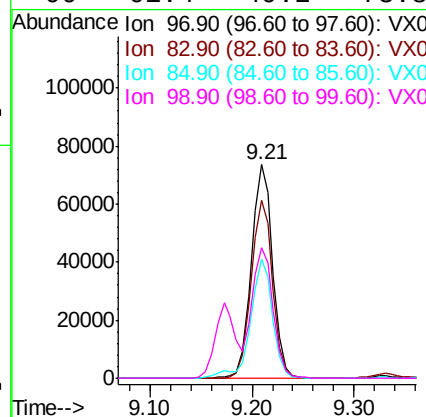
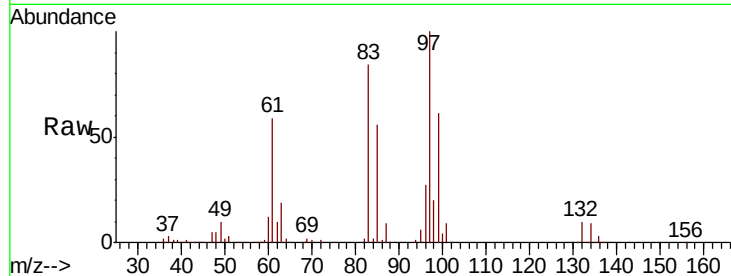
#55
 1,1,2-Trichloroethane
 Concen: 52.304 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion:	97	Resp:	106871
Ion Ratio	Lower	Upper	
97	100		
83	83.6	66.5	99.7
85	55.7	43.1	64.7
99	61.4	49.2	73.8

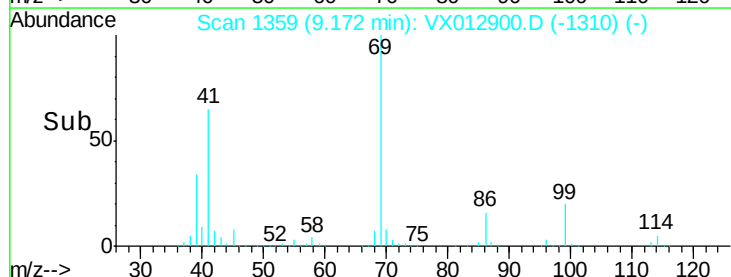
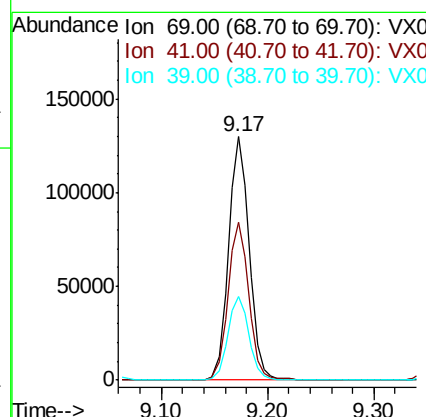
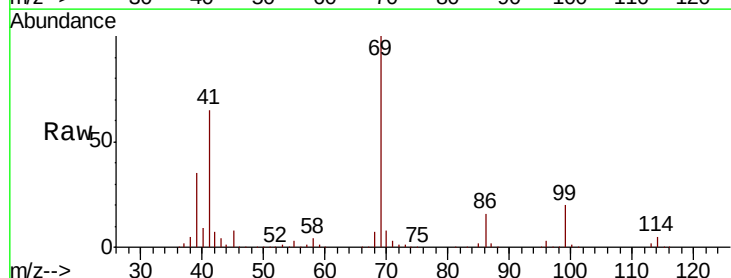
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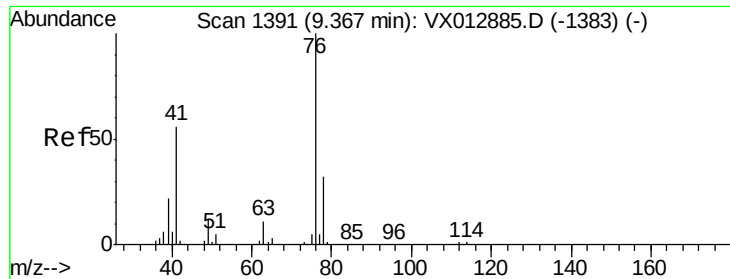
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#56
 Ethyl methacrylate
 Concen: 48.445 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion:	69	Resp:	177035
Ion Ratio	Lower	Upper	
69	100		
41	65.1	52.1	78.1
39	34.8	27.8	41.8





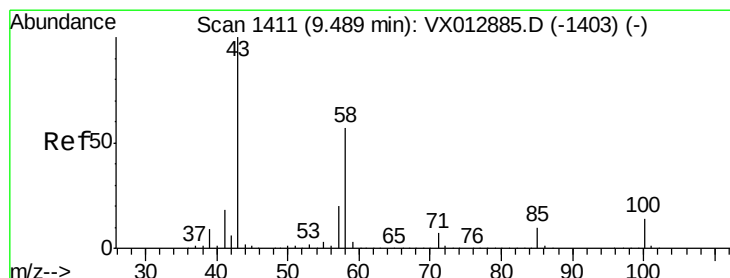
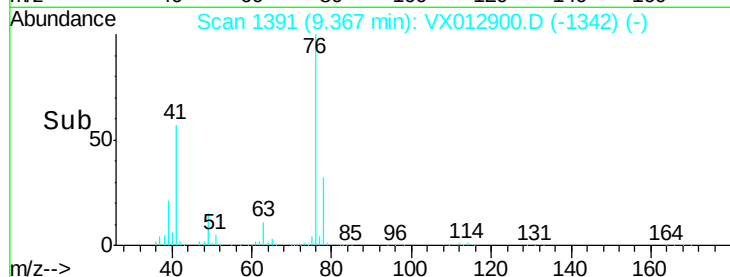
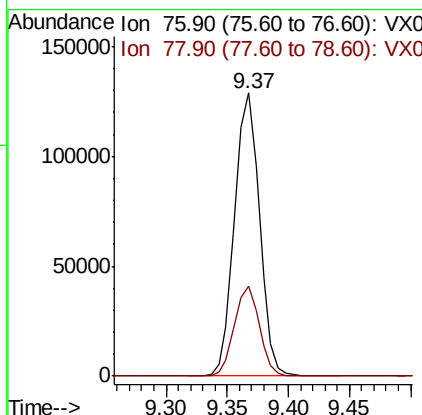
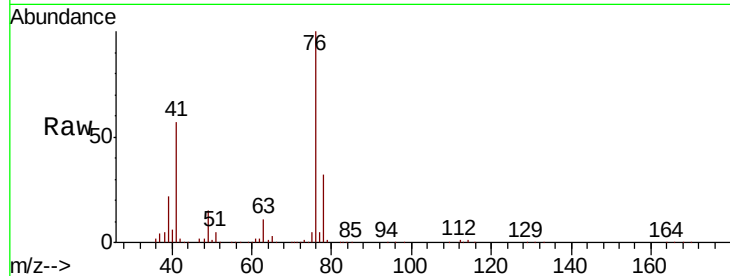
#57
 1,3-Dichloropropane
 Concen: 51.522 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion: 76 Resp: 182102
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.1 39.1

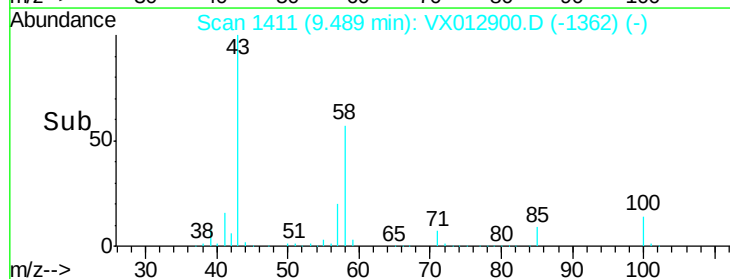
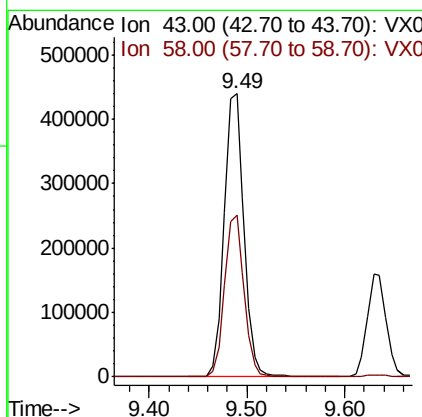
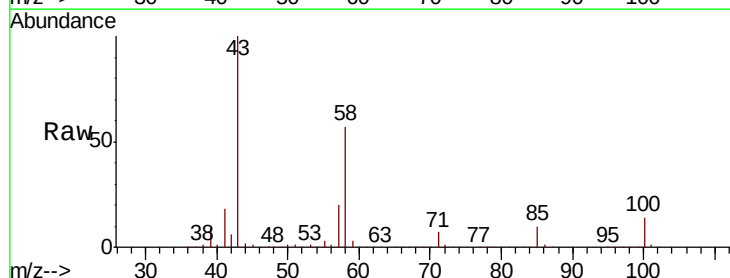
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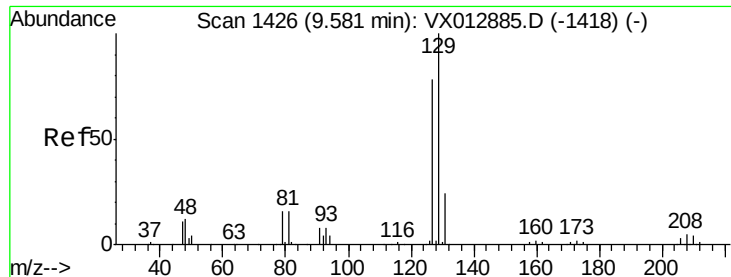
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 10/9/2019 10:36:26 AM



#59
 2-Hexanone
 Concen: 259.023 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion: 43 Resp: 616502
 Ion Ratio Lower Upper
 43 100
 58 56.6 28.1 84.3





#60

Dibromochloromethane

Concen: 47.610 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion:129 Resp: 108045

Ion Ratio Lower Upper

129 100

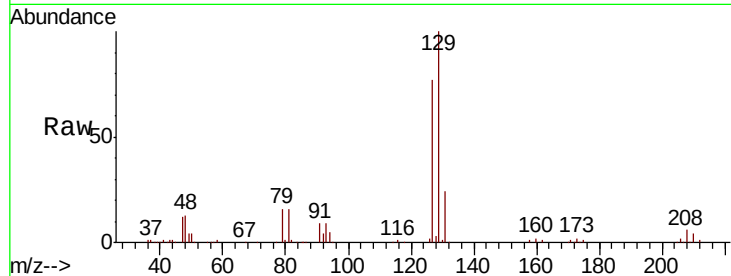
127 77.9 38.9 116.7

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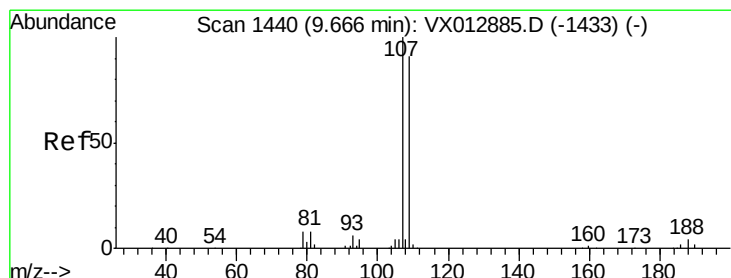
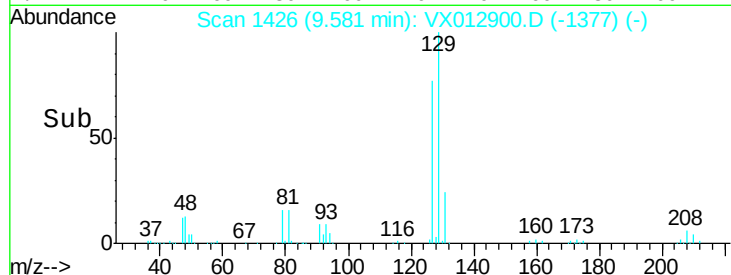
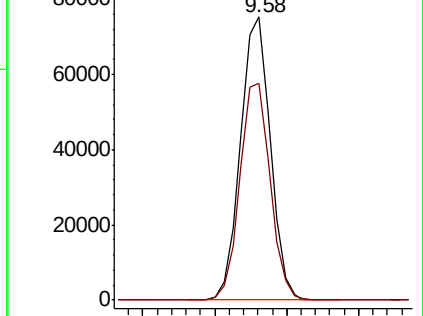
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.652 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012900.D

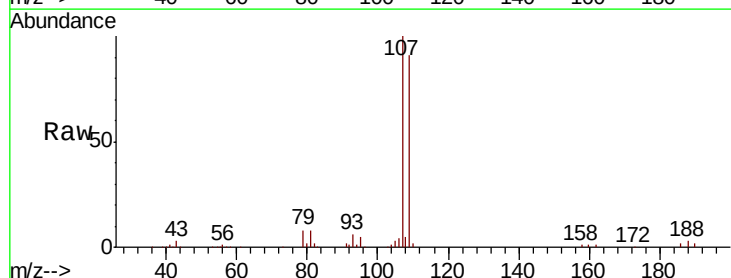
Acq: 08 Oct 2019 19:23

Tgt Ion:107 Resp: 113169

Ion Ratio Lower Upper

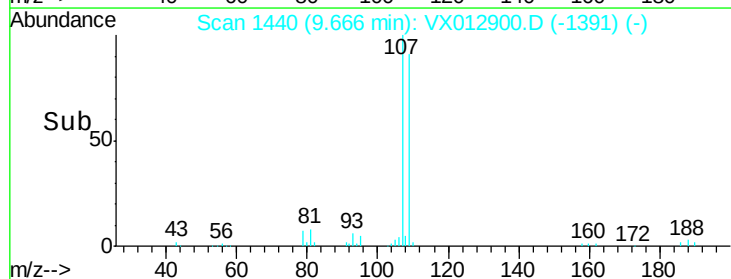
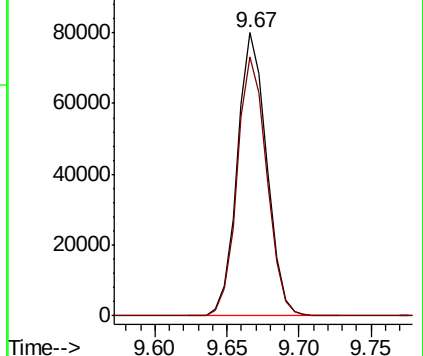
107 100

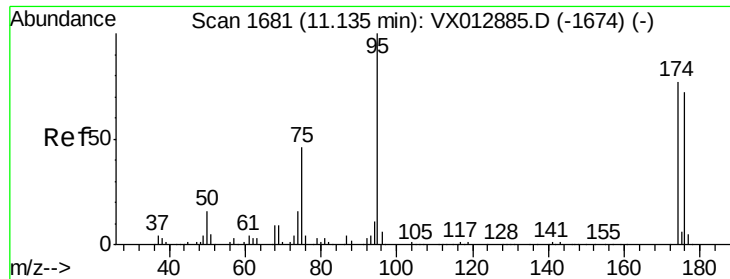
109 92.6 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





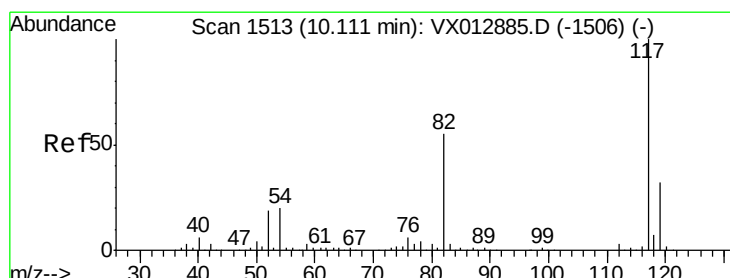
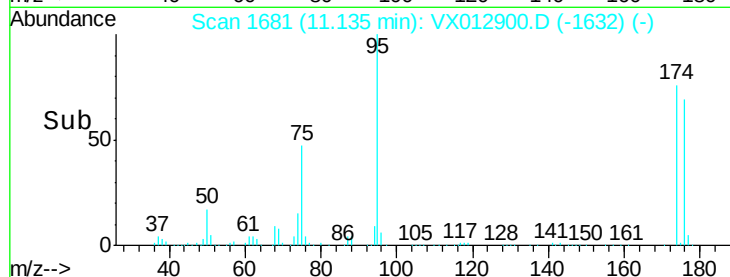
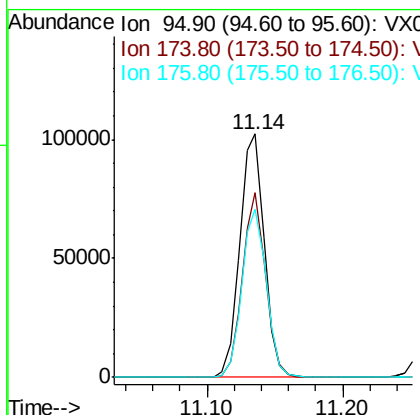
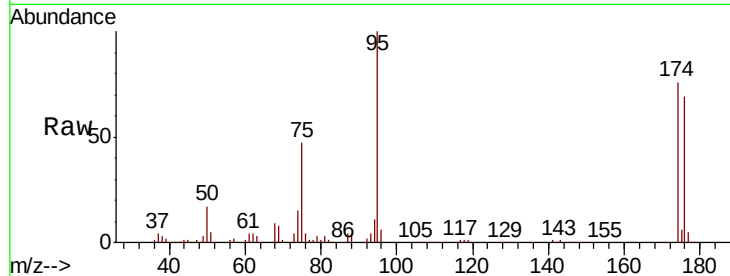
#62
4-Bromofluorobenzene
Concen: 47.331 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	143.4
176	69.5	0.0	136.0

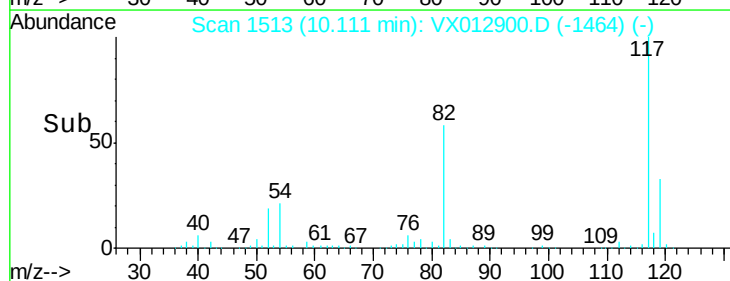
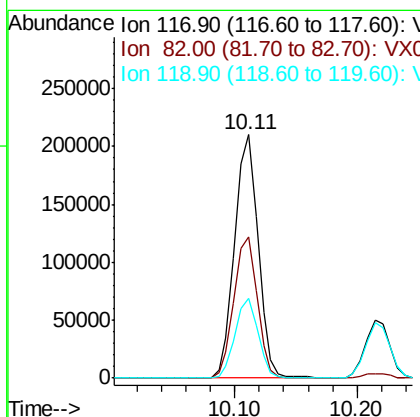
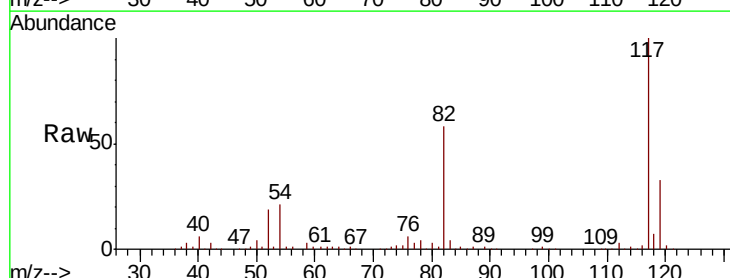
Manual Integrations
APPROVED

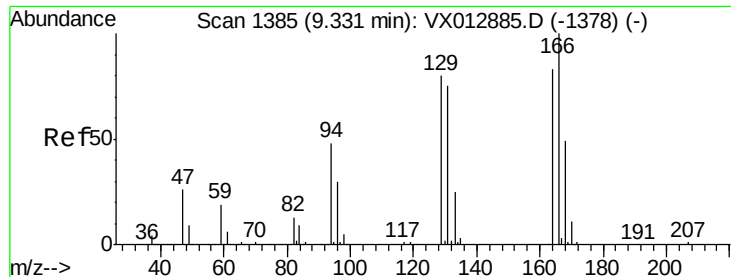
MMDadoda
10/9/2019 10:36:26 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.1	66.1
119	33.0	25.8	38.8





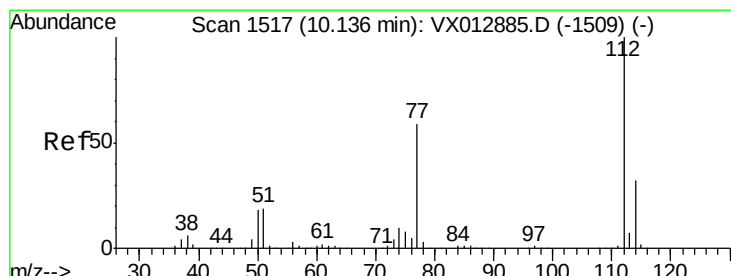
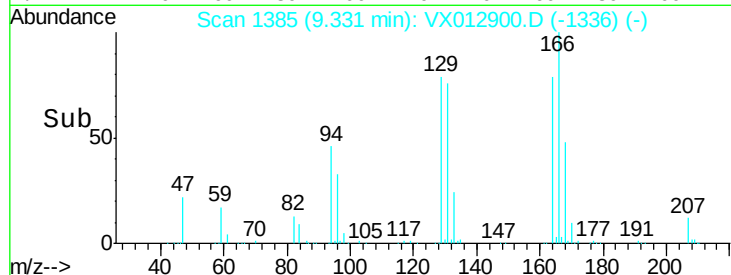
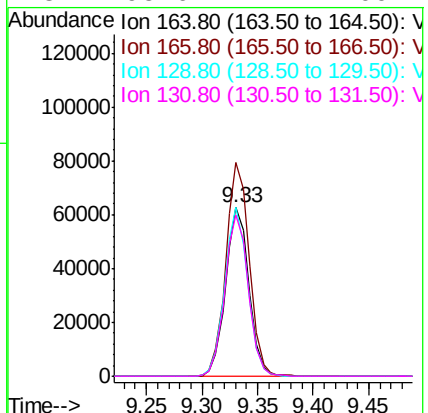
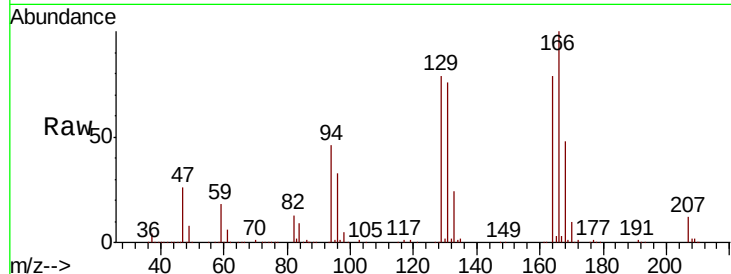
#64
Tetrachloroethene
Concen: 46.579 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.6	96.9	145.3
129	100.4	77.9	116.9
131	95.6	72.7	109.1

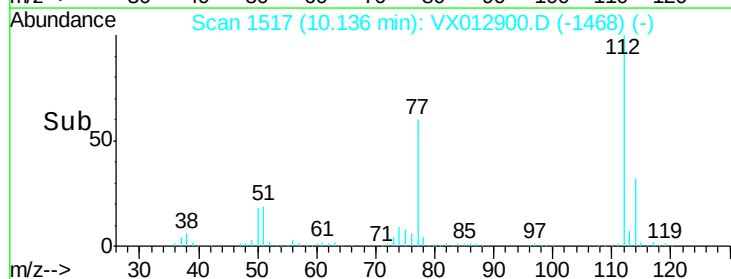
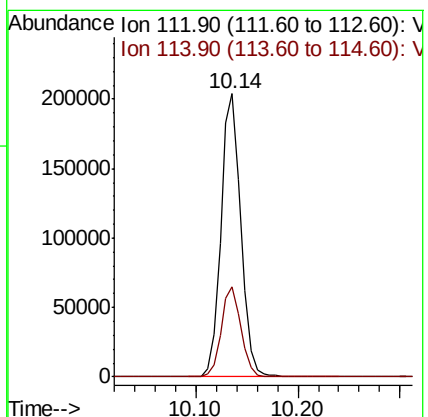
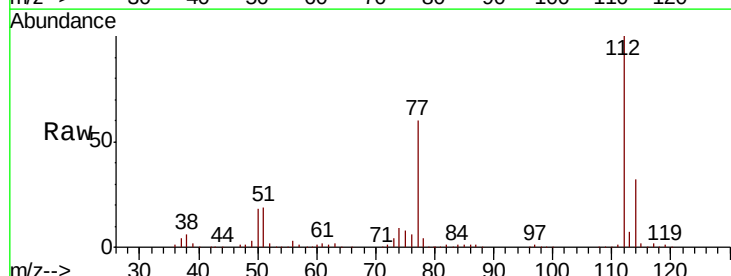
Manual Integrations
APPROVED

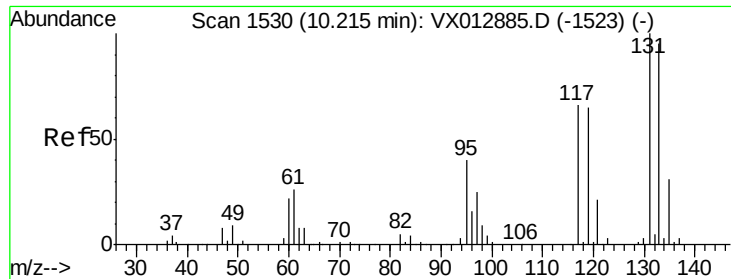
MMDadoda
10/9/2019 10:36:26 AM



#65
Chlorobenzene
Concen: 49.778 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.7	38.5





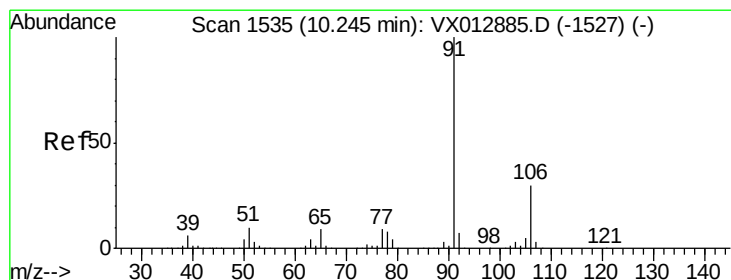
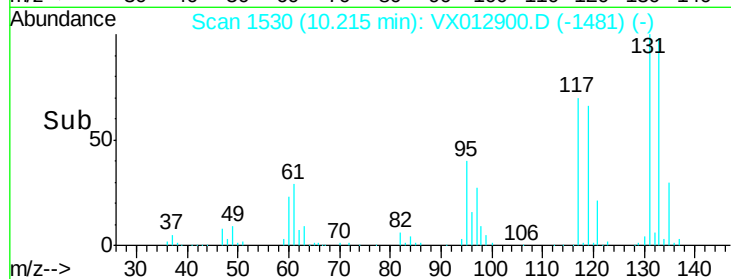
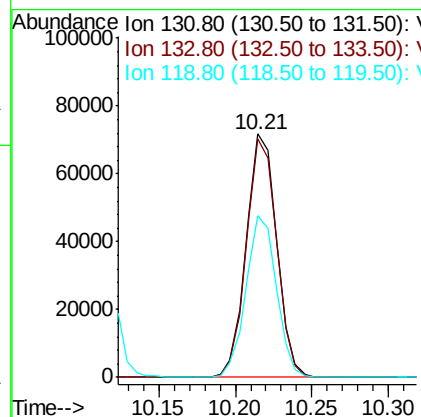
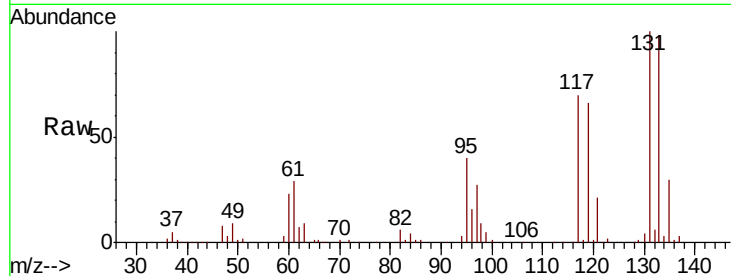
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.706 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.2	141.6
119	66.5	32.6	98.0

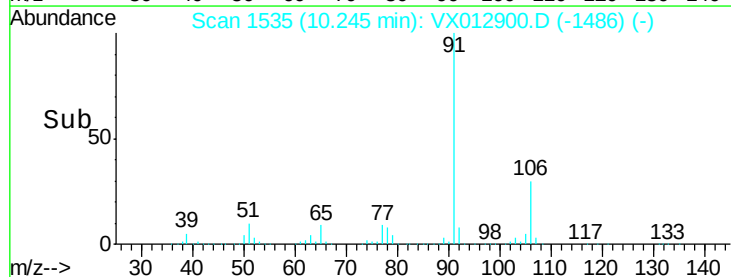
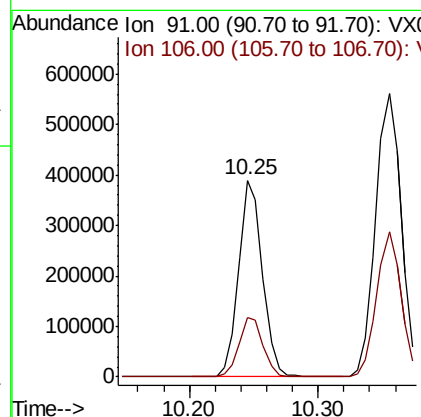
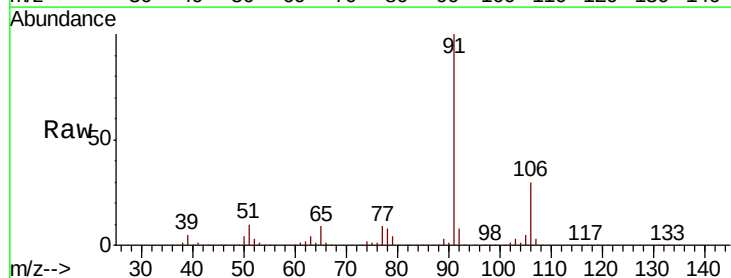
Manual Integrations
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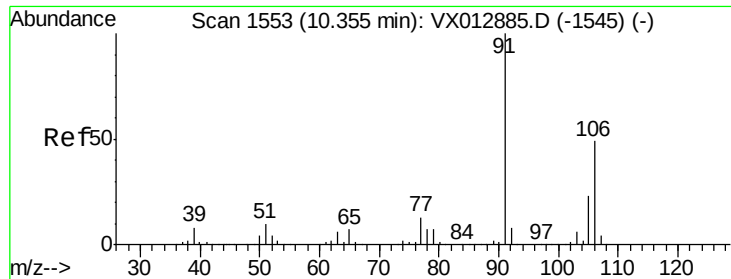
MMDadoda
 10/9/2019 10:36:26 AM



#67
 Ethyl Benzene
 Concen: 50.842 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9





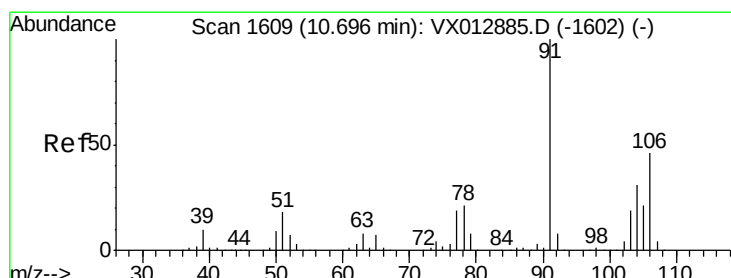
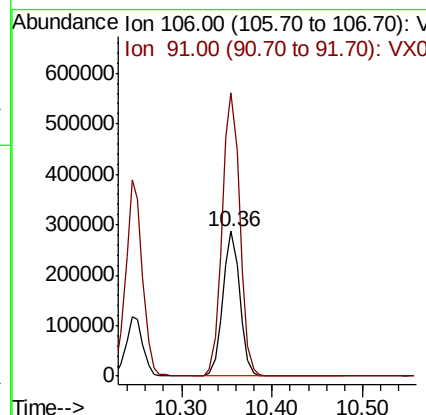
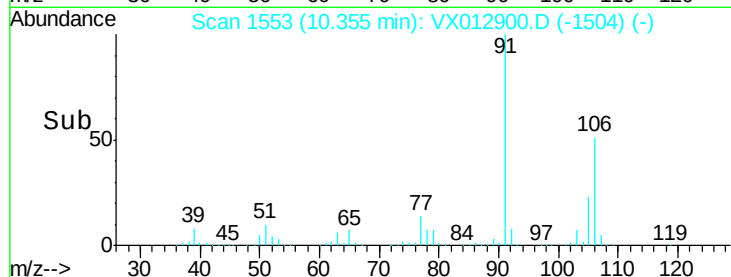
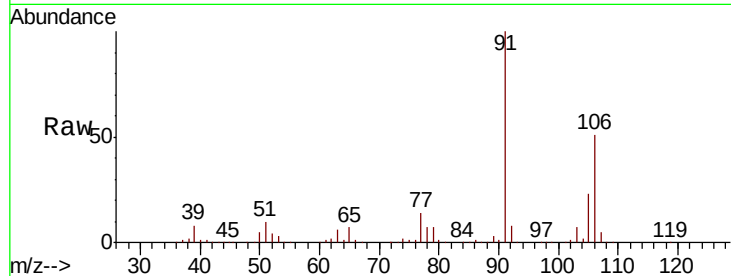
#68
m/p-Xylenes
Concen: 102.486 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion:106 Resp: 377641
Ion Ratio Lower Upper
106 100
91 203.2 165.3 247.9

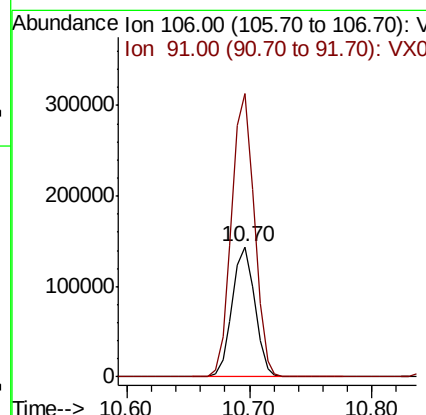
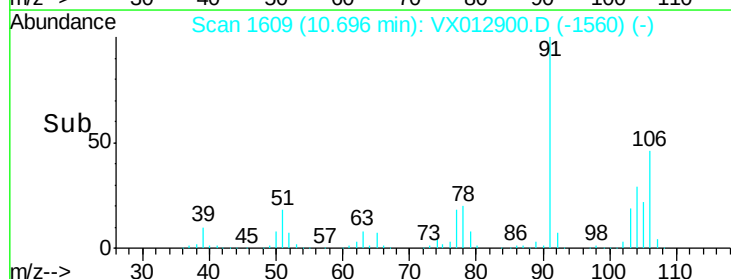
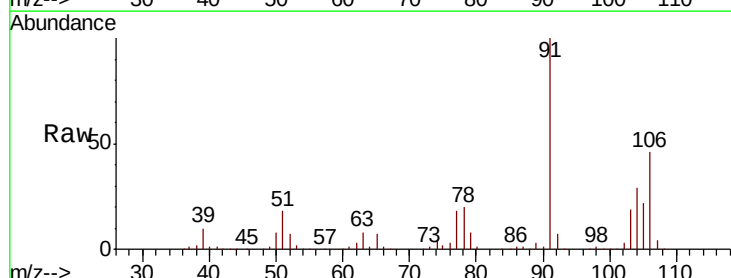
Manual Integrations
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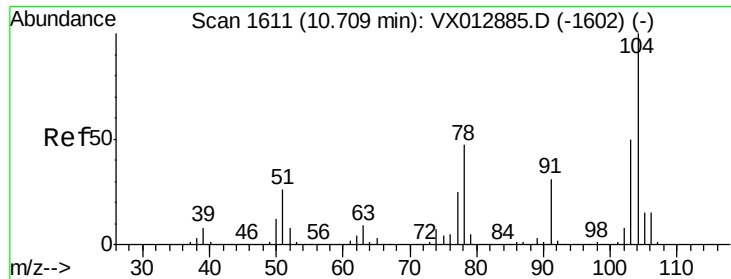
MMDadoda
10/9/2019 10:36:26 AM



#69
o-Xylene
Concen: 51.248 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion:106 Resp: 184151
Ion Ratio Lower Upper
106 100
91 218.7 109.1 327.3





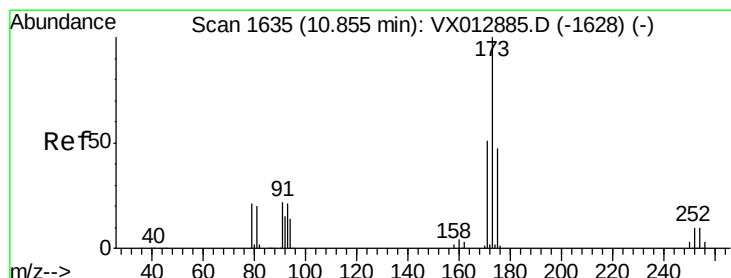
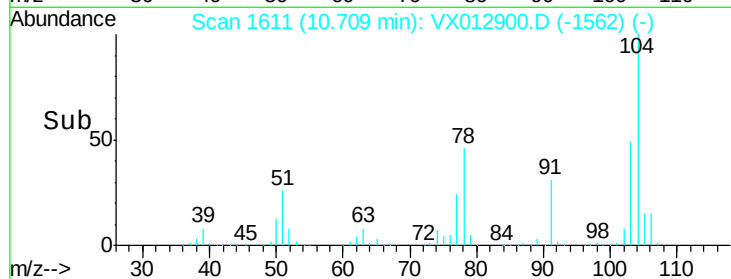
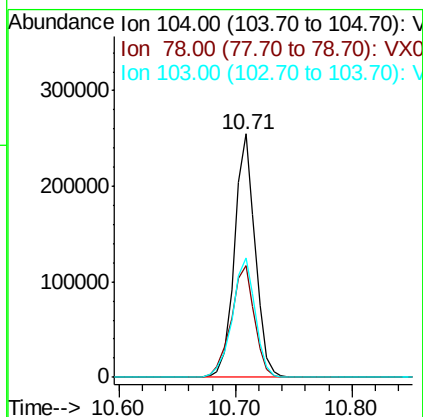
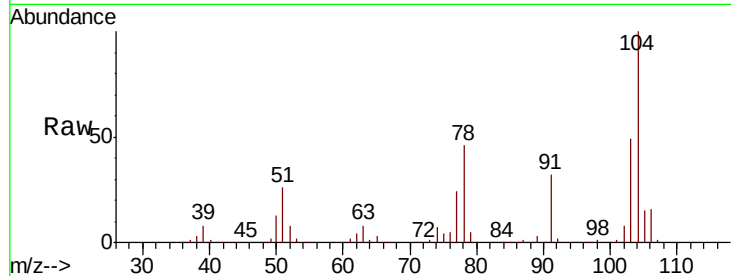
#70
Stvrene
Concen: 51.578 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	315077		
78	51.9	41.2	61.8	
103	54.3	43.0	64.4	

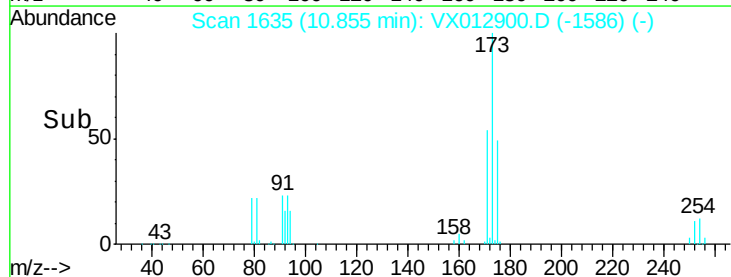
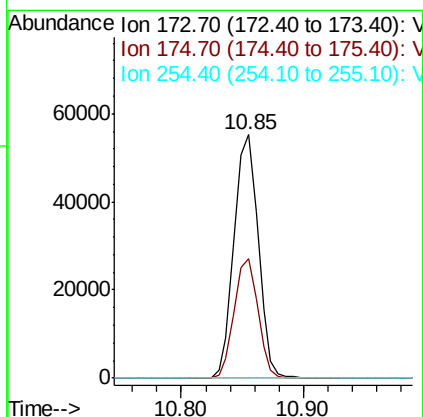
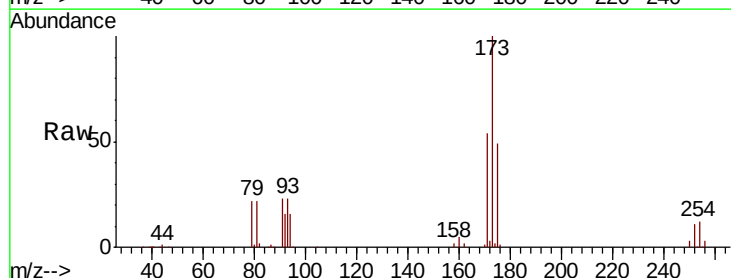
Manual Integrations
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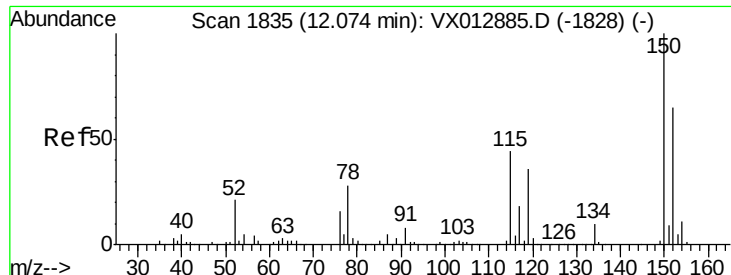
MMDadoda
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#71
Bromoform
Concen: 46.201 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	75361		
175	48.2	24.1	72.3	
254	0.1	0.1	0.1	





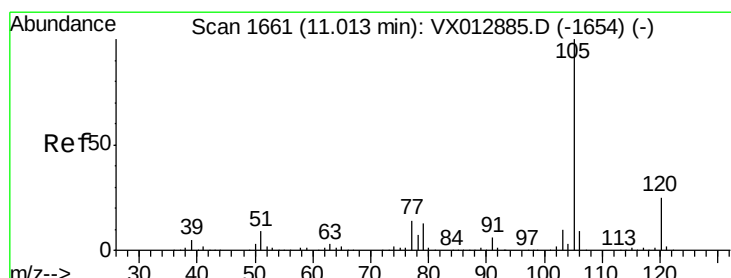
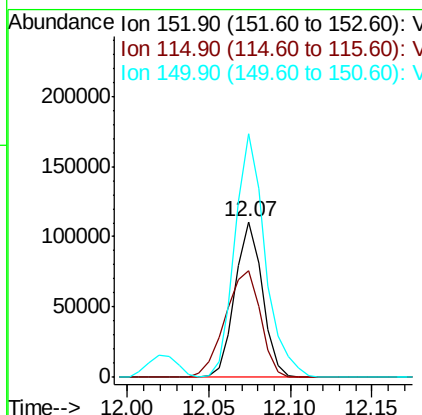
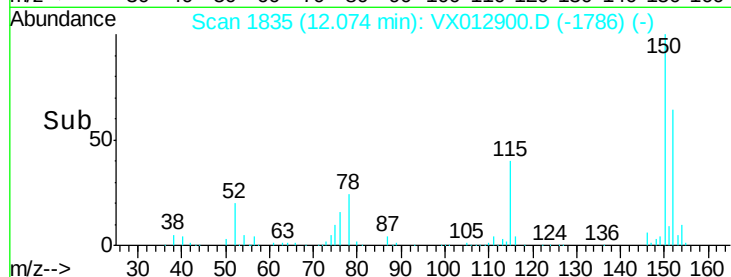
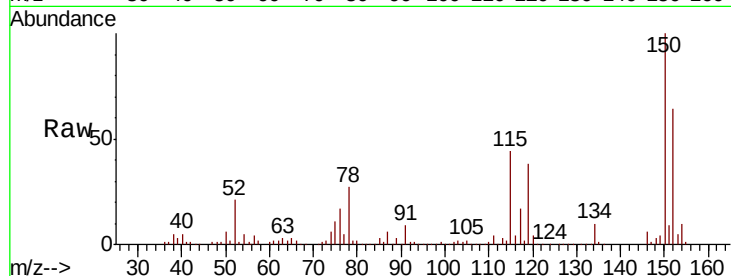
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	88.5	44.5	133.5
150	173.4	0.0	353.4

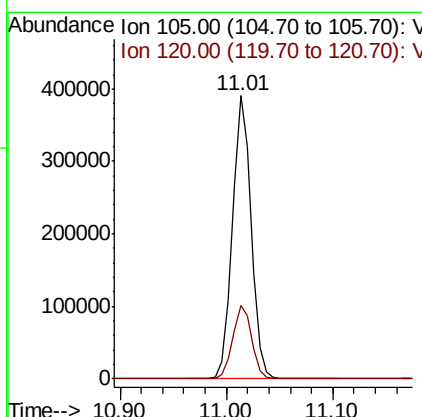
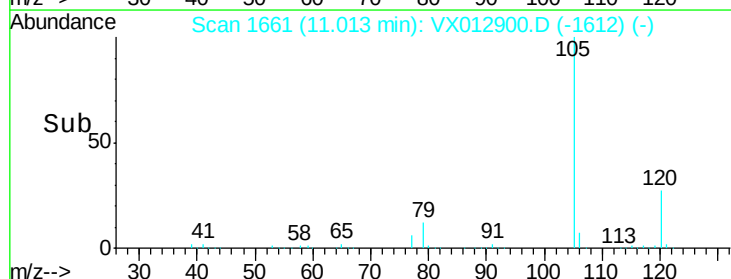
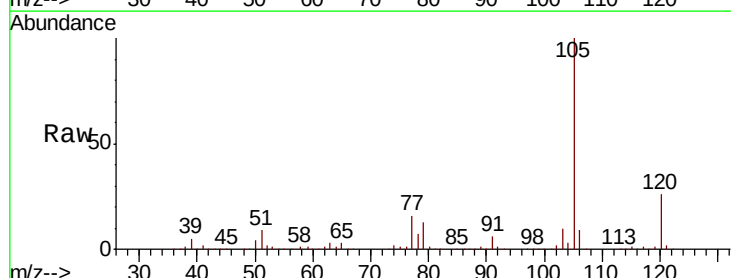
Manual Integrations
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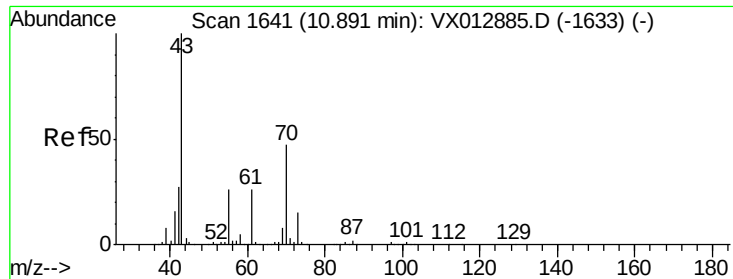
MMDadoda
 10/9/2019 10:36:26 AM



#73
 Isopropylbenzene
 Concen: 50.664 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.0	39.0





#74

N-amvl acetate

Concen: 51.538 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 43 Resp: 211072

Ion Ratio Lower Upper

43 100

70 45.1 36.4 54.6

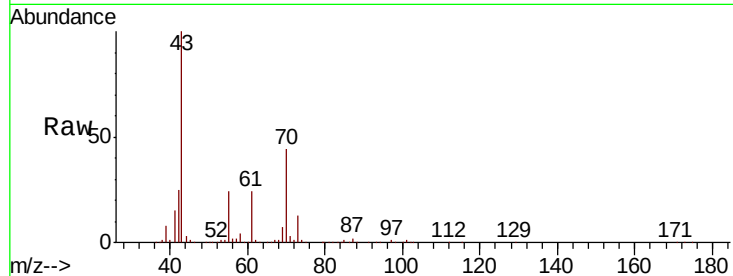
55 24.8 20.2 30.2

61 24.8 20.5 30.7

Manual Integrations
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MMDadoda

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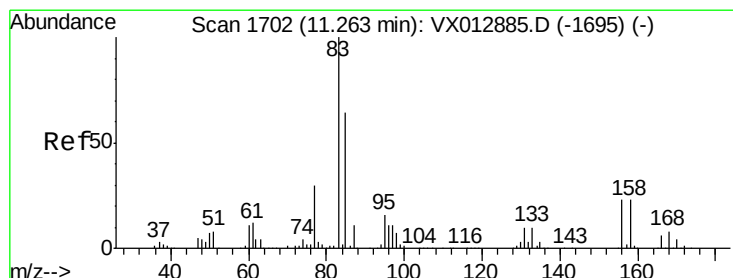
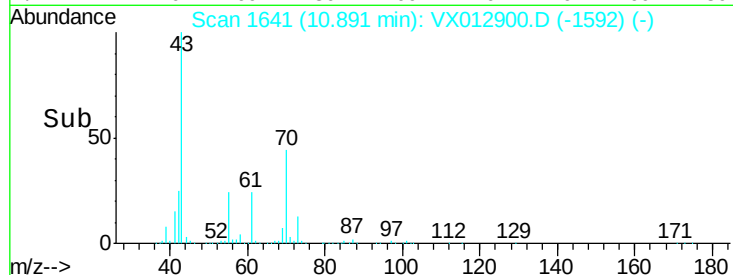
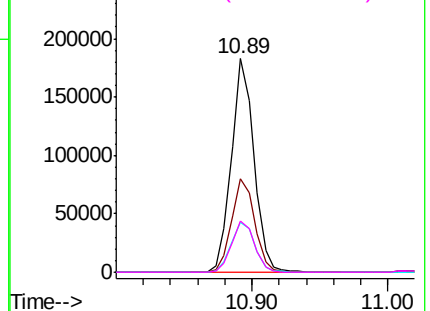


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 51.107 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

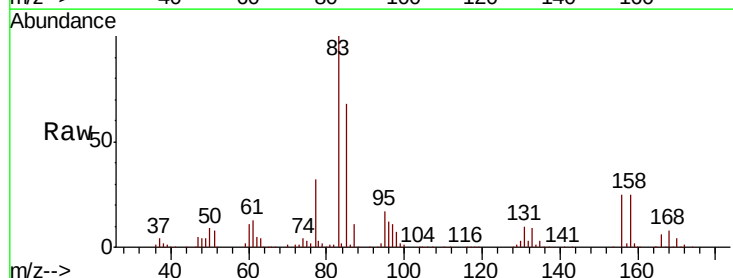
Tgt Ion: 83 Resp: 161643

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

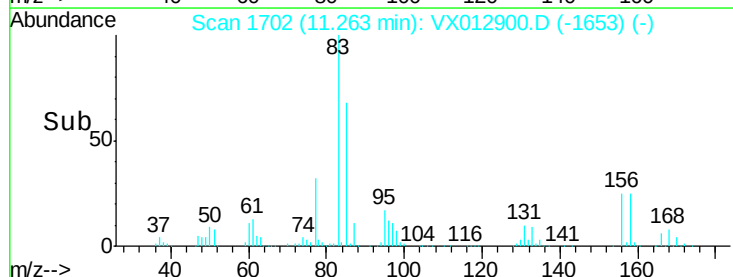
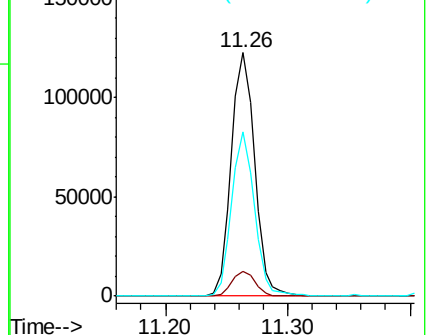
85 65.8 32.1 96.5

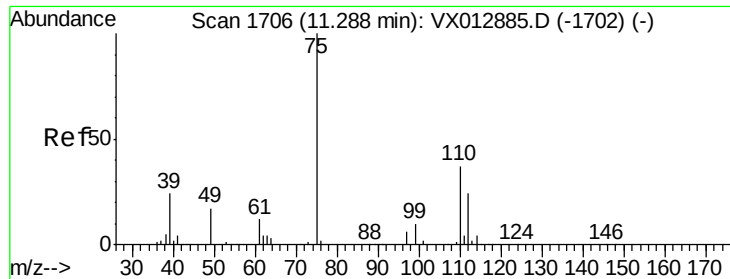


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

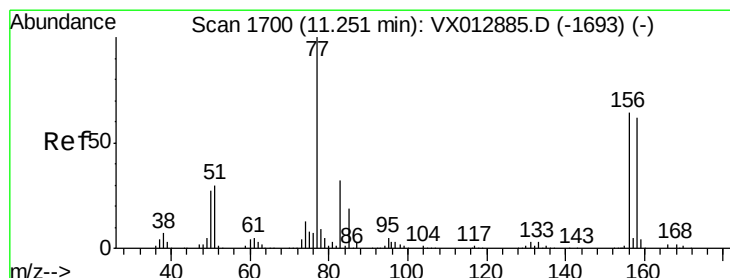
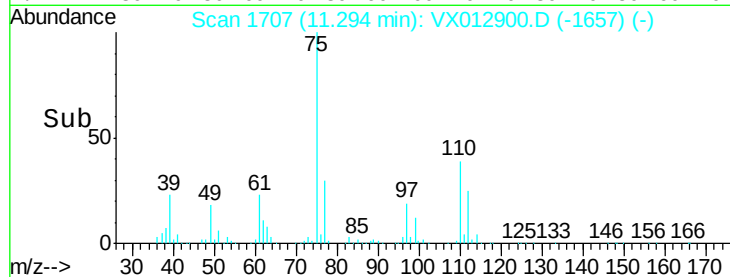
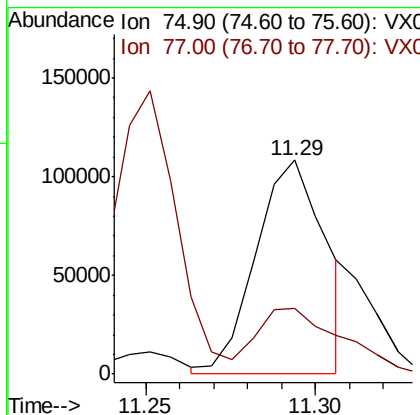
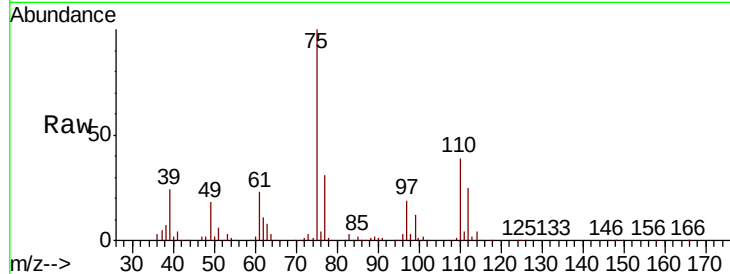
1,2,3-Trichloropropane
Concen: 53.934 ug/l m
RT: 11.29 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion: 75 Resp: 154724
Ion Ratio Lower Upper
75 100
77 37.7 22.9 68.8

Manual Integrations
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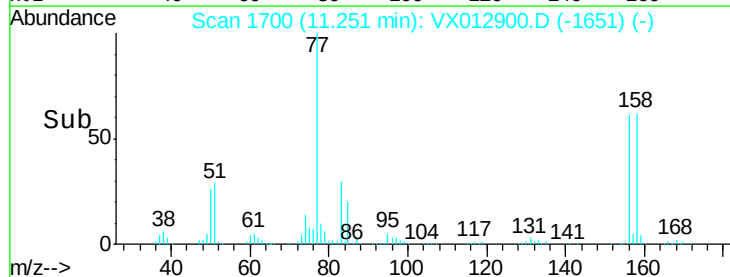
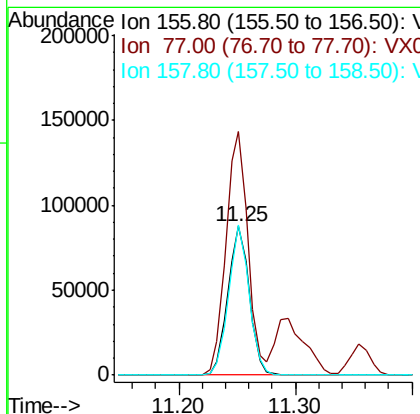
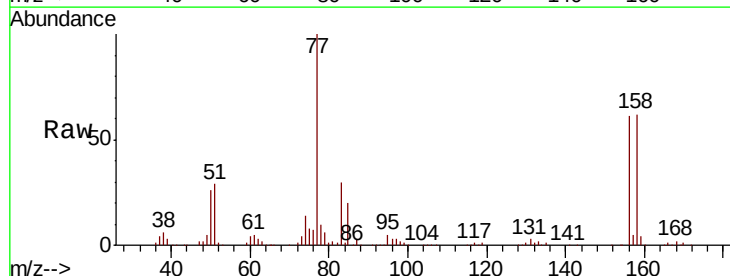
MMDadoda
10/9/2019 10:36:26 AM

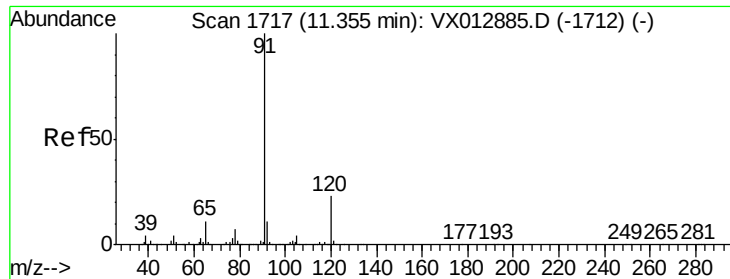


#77

Bromobenzene
Concen: 49.915 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion: 156 Resp: 111852
Ion Ratio Lower Upper
156 100
77 167.9 83.7 251.0
158 97.2 48.6 145.9





#78

n-propylbenzene

Concen: 50.903 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 91 Resp: 532640

Ion Ratio Lower Upper

91 100

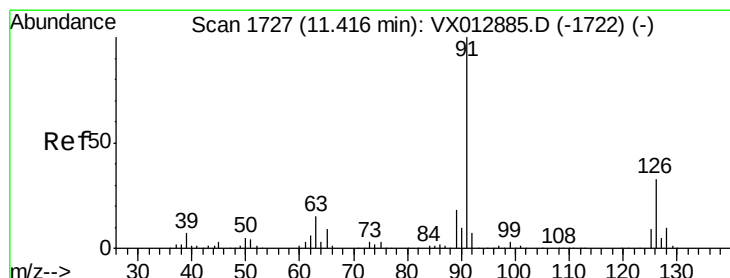
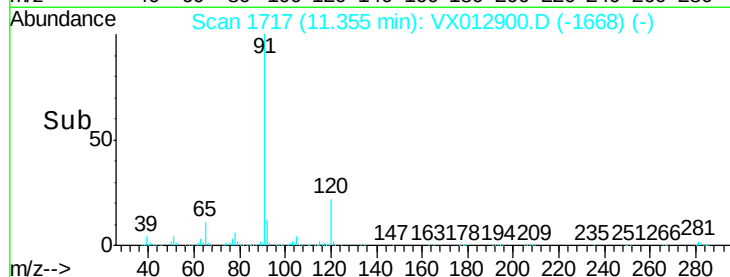
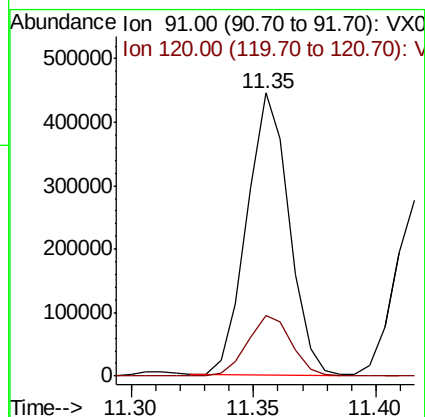
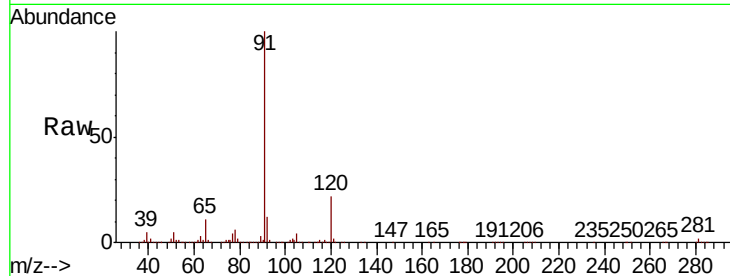
120 22.5 11.7 35.1

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#79

2-Chlorotoluene

Concen: 51.271 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012900.D

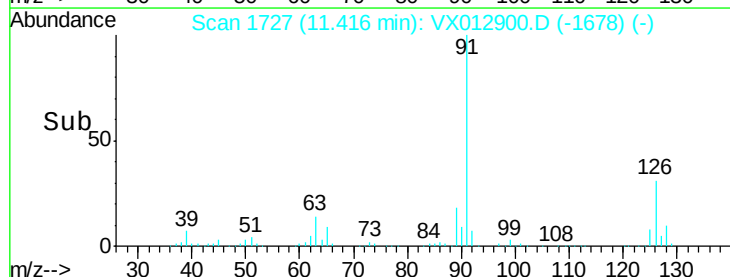
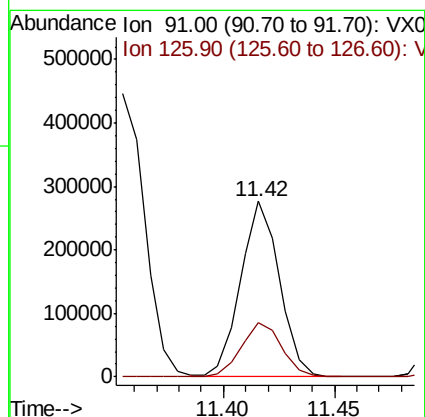
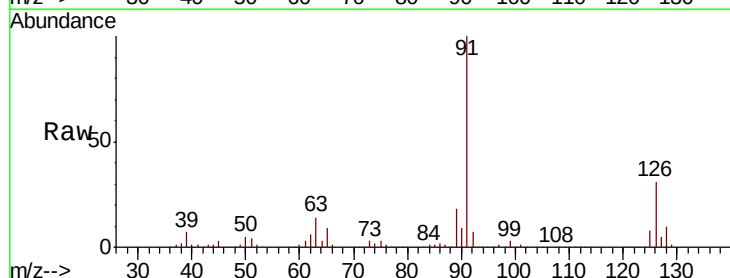
Acq: 08 Oct 2019 19:23

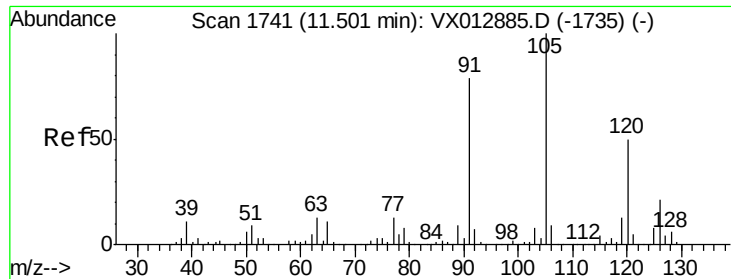
Tgt Ion: 91 Resp: 337165

Ion Ratio Lower Upper

91 100

126 31.9 16.3 48.8





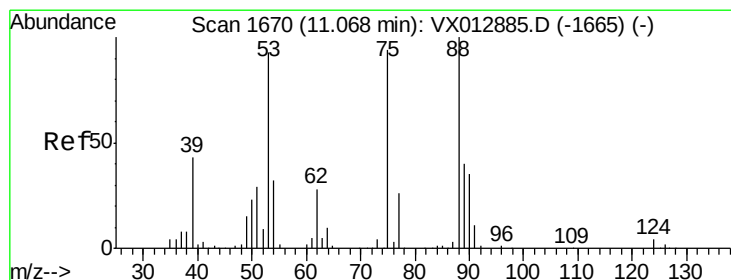
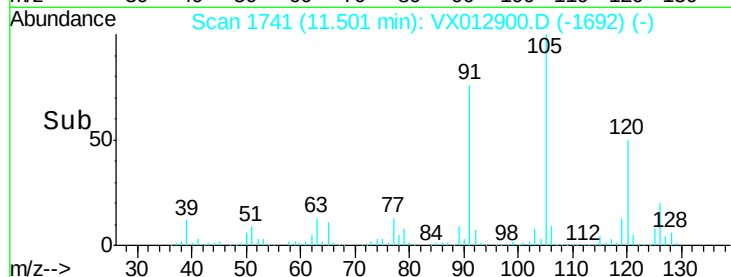
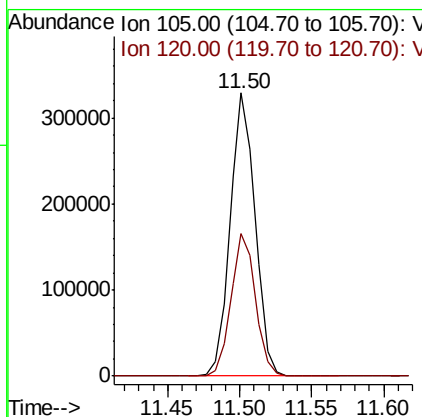
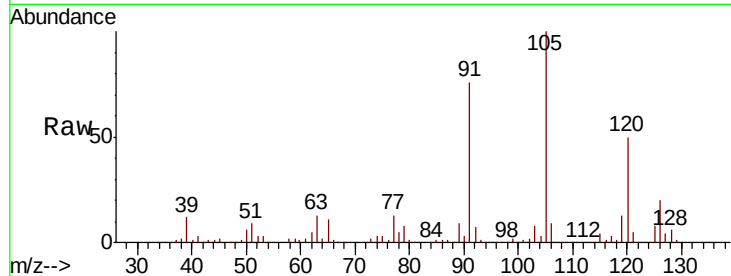
#80
 1,3,5-Trimethylbenzene
 Concen: 50.416 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.8	74.3

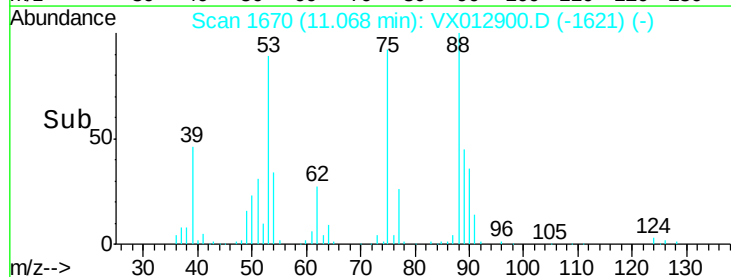
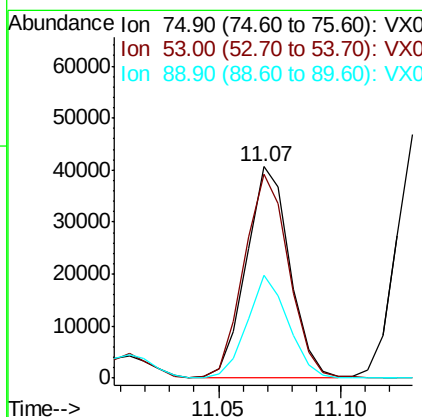
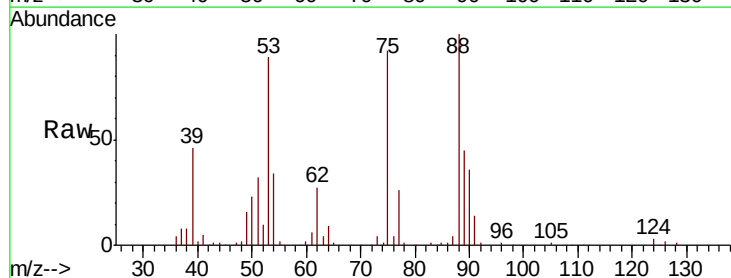
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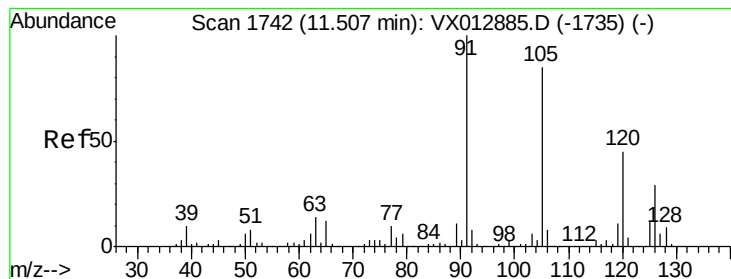
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.232 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
75	100		
53	99.7	78.5	117.7
89	45.9	37.4	56.2





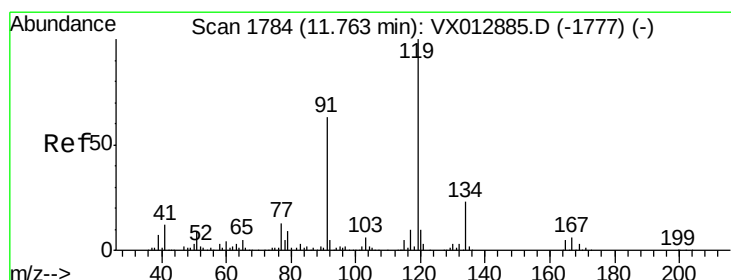
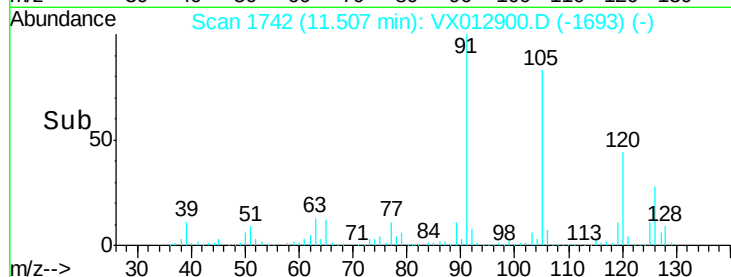
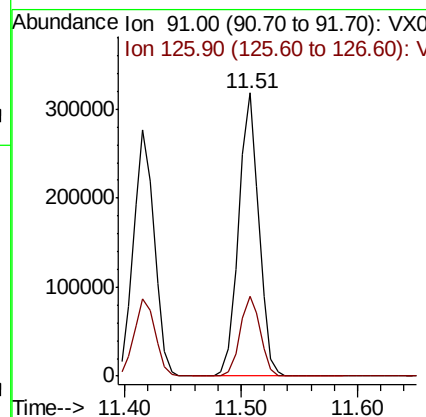
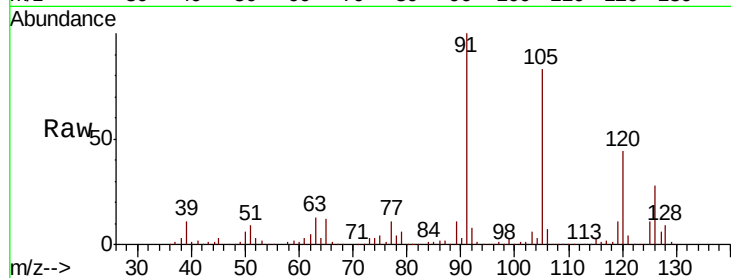
#82
4-Chlorotoluene
Concen: 51.251 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion: 91 Resp: 386307
Ion Ratio Lower Upper
91 100
126 28.2 14.2 42.6

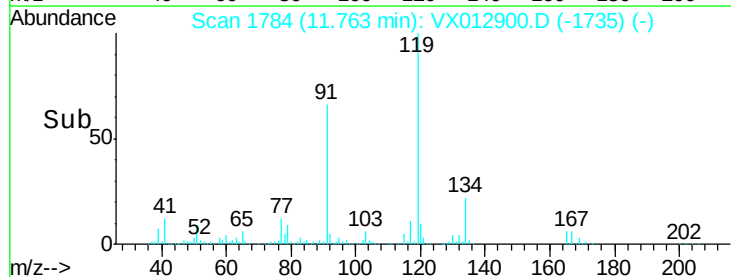
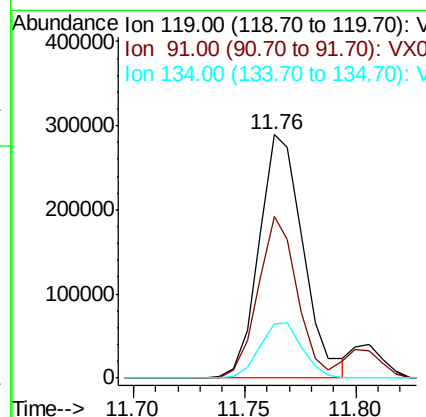
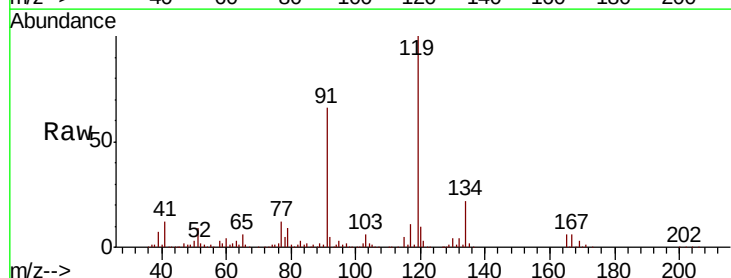
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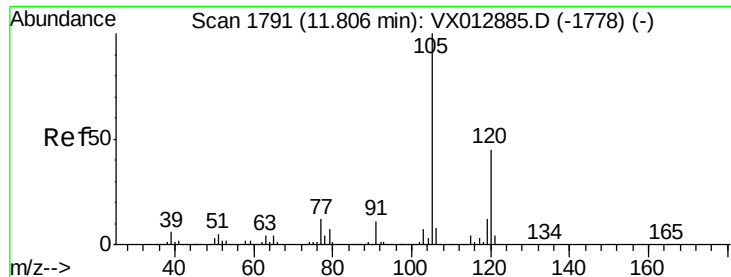
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#83
tert-Butylbenzene
Concen: 51.371 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion: 119 Resp: 397907
Ion Ratio Lower Upper
119 100
91 59.0 29.3 87.9
134 22.1 11.5 34.4





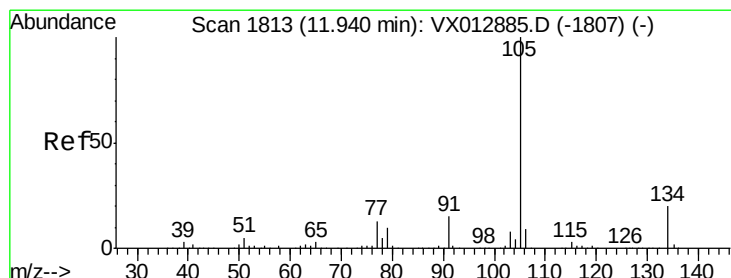
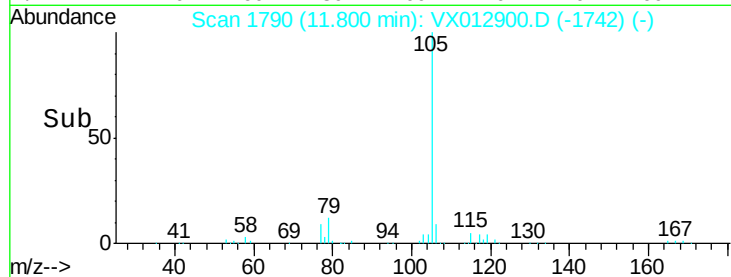
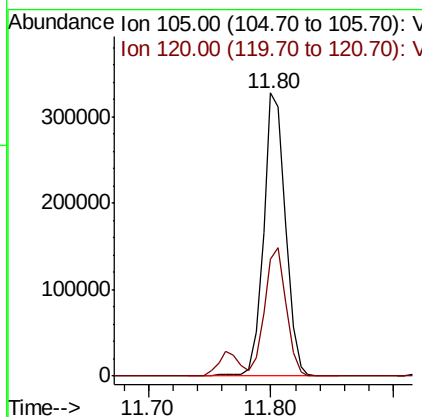
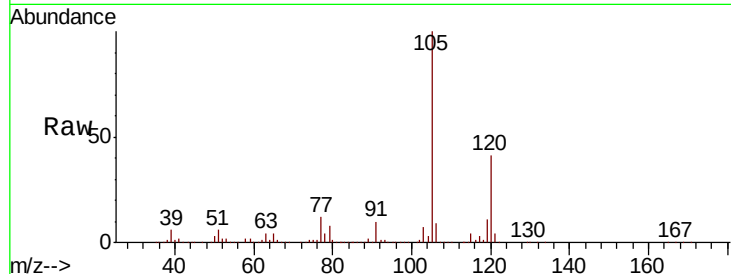
#84
 1,2,4-Trimethylbenzene
 Concen: 50.840 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.8	65.3

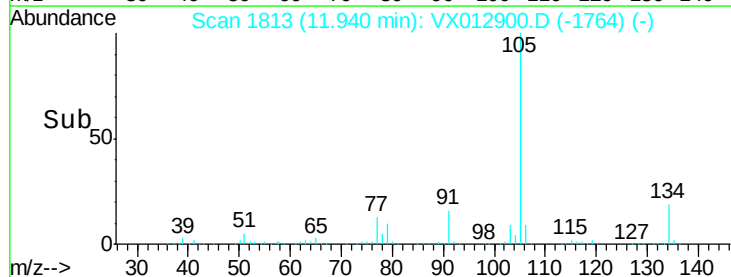
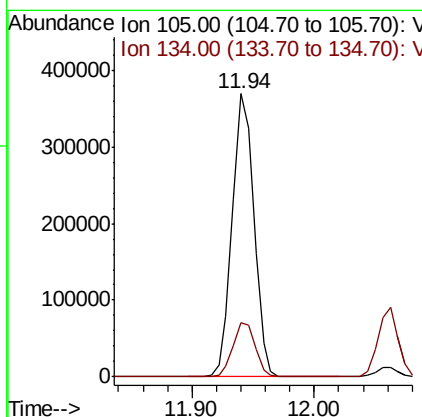
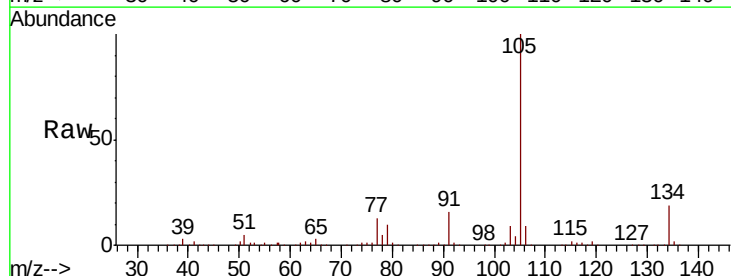
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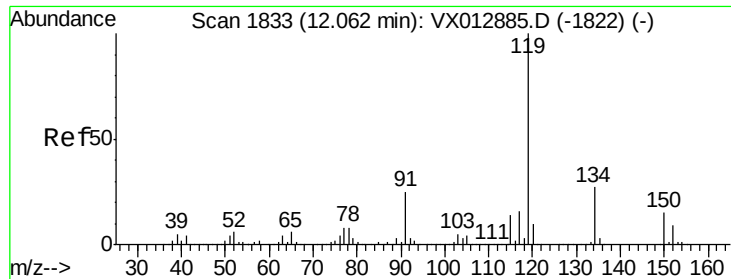
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#85
 sec-Butylbenzene
 Concen: 50.435 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	30.0





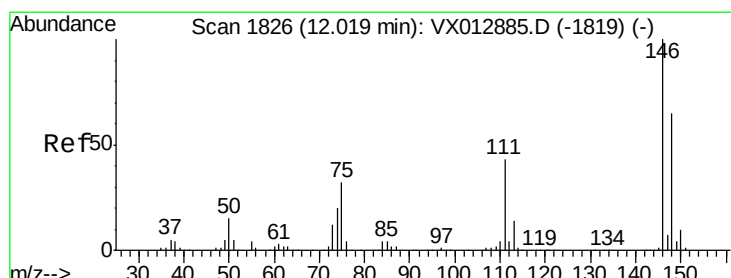
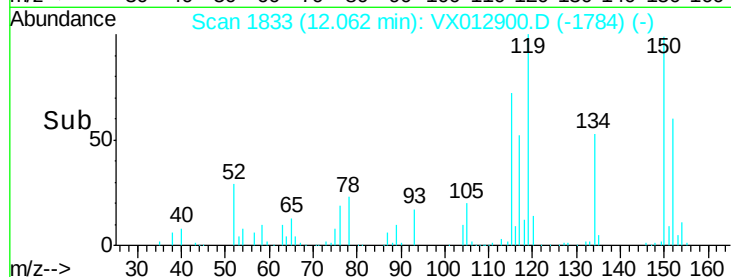
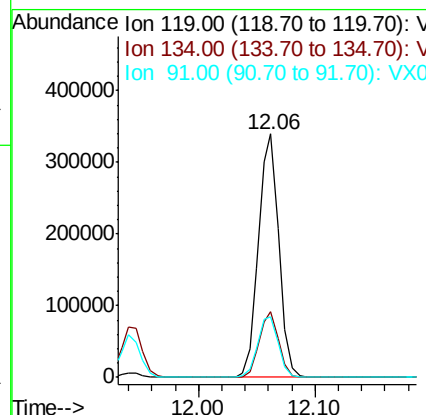
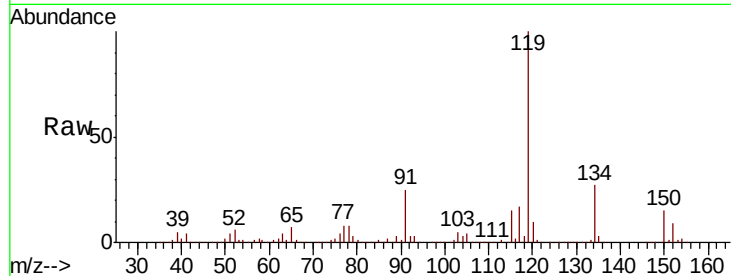
#86
 p-Isopropyltoluene
 Concen: 49.641 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	413146		
134	25.7	12.6	37.8	
91	25.5	12.4	37.4	

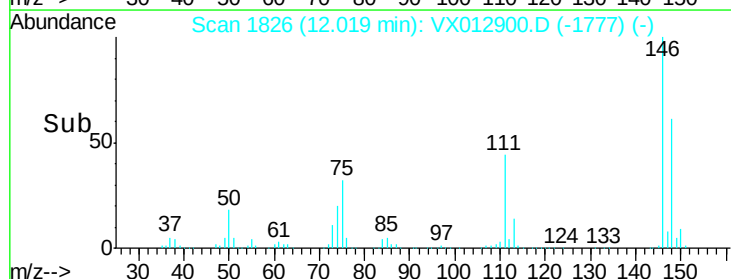
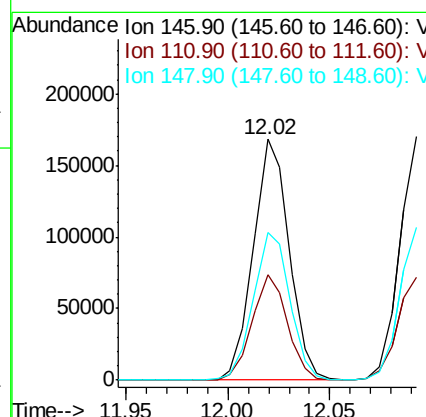
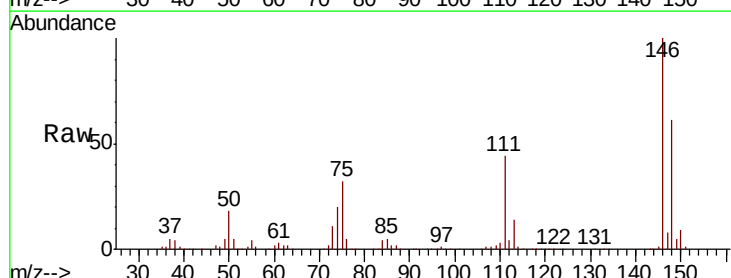
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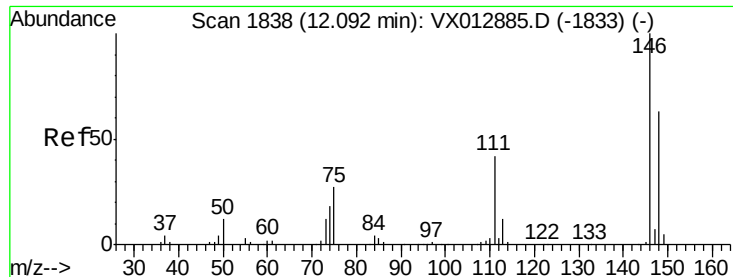
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#87
 1,3-Dichlorobenzene
 Concen: 49.592 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	206365		
111	43.1	21.1	63.4	
148	62.5	31.6	95.0	





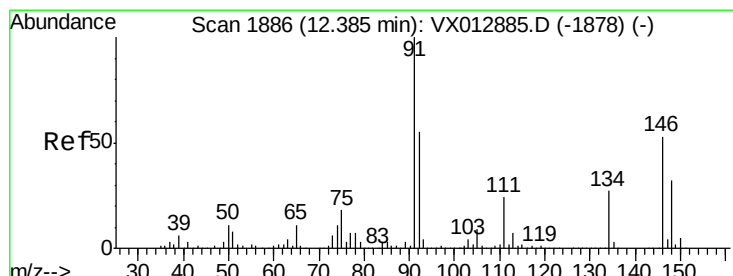
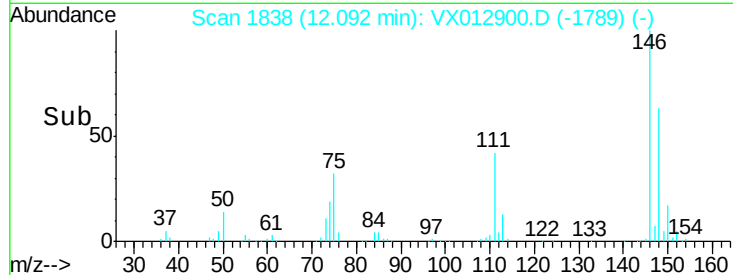
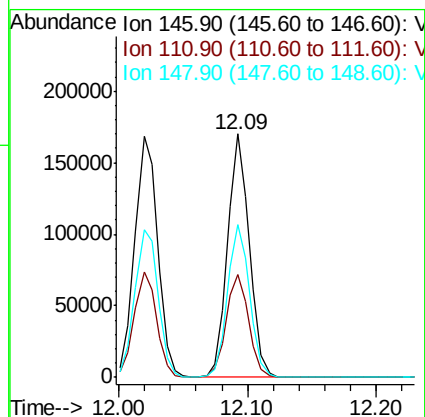
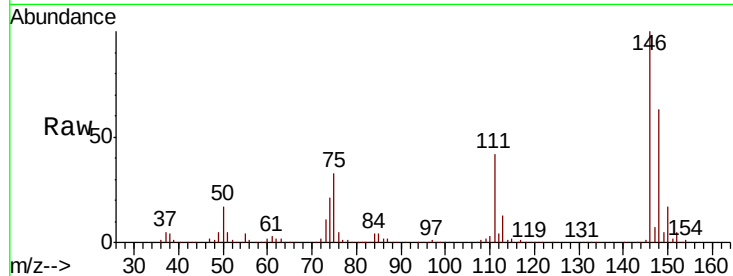
#88
 1,4-Dichlorobenzene
 Concen: 48.208 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.4	64.3
148	63.8	32.1	96.5

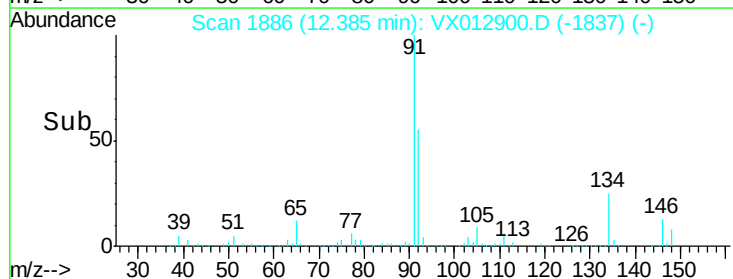
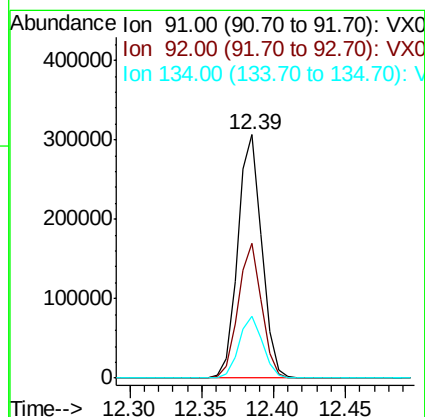
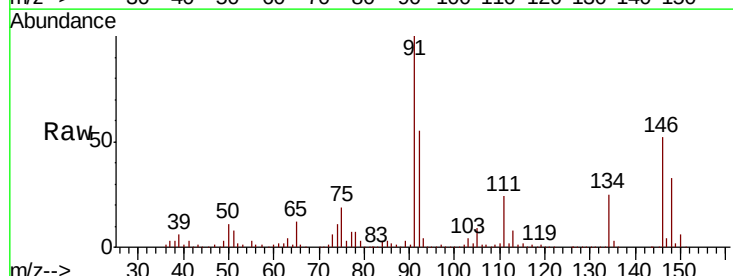
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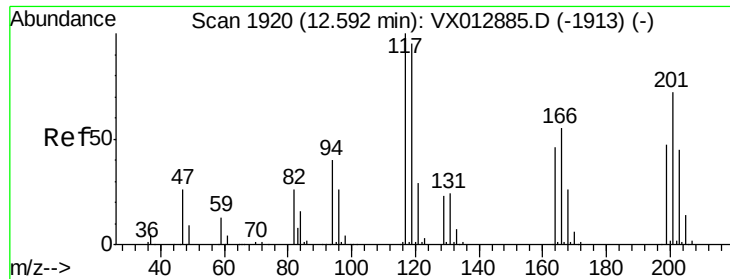
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#89
 n-Butylbenzene
 Concen: 50.877 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.5	82.5
134	25.2	12.9	38.7





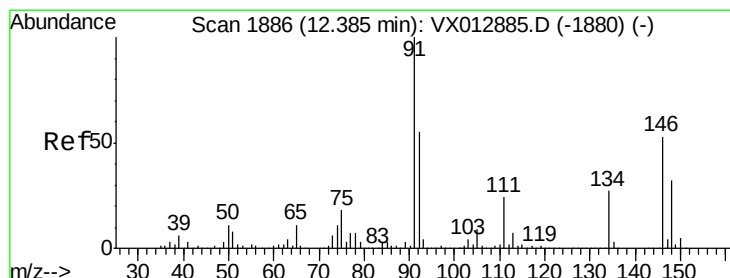
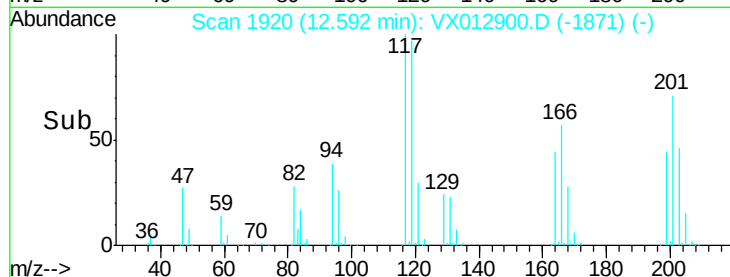
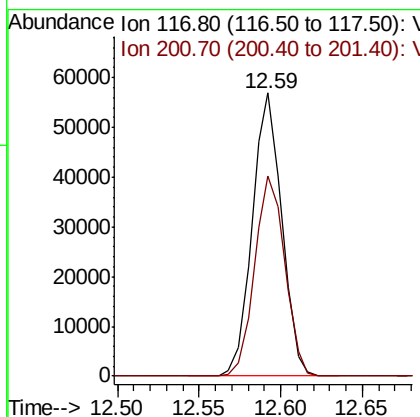
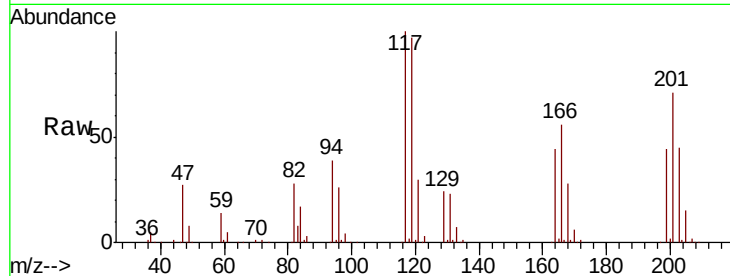
#90
Hexachloroethane
Concen: 46.694 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion:117 Resp: 71751
Ion Ratio Lower Upper
117 100
201 72.3 36.9 110.7

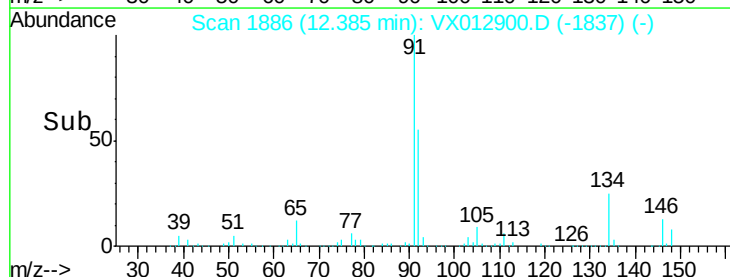
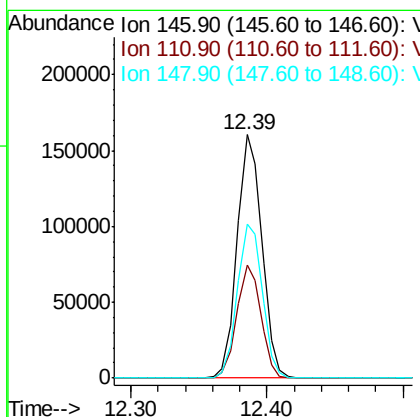
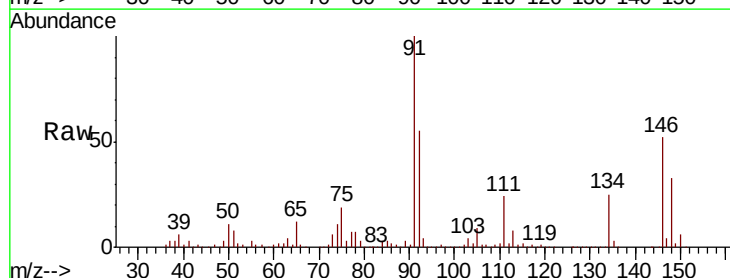
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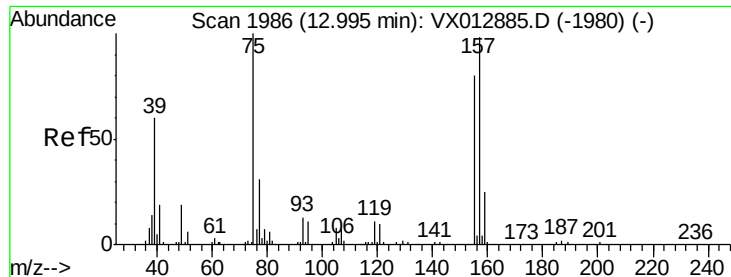
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#91
1,2-Dichlorobenzene
Concen: 49.817 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012900.D
Acq: 08 Oct 2019 19:23

Tgt Ion:146 Resp: 203229
Ion Ratio Lower Upper
146 100
111 45.3 22.7 68.0
148 63.7 31.6 94.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.955 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 75 Resp: 39997

Ion Ratio Lower Upper

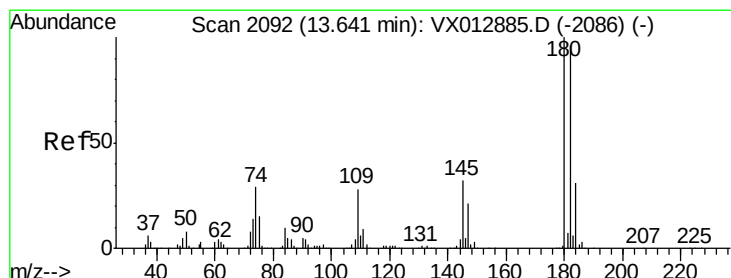
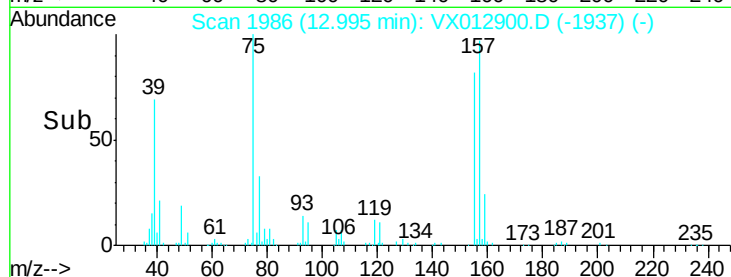
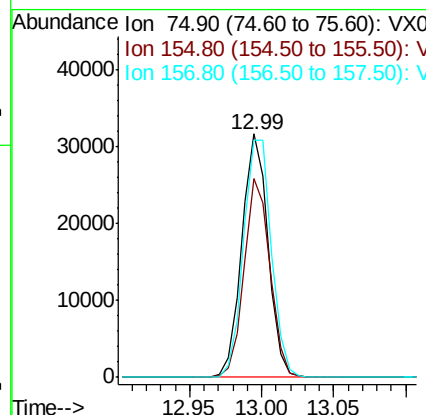
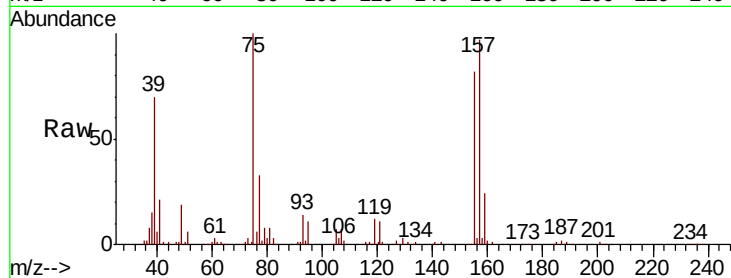
75 100

155 80.6 43.0 128.8

157 104.0 54.1 162.3

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#93

1,2,4-Trichlorobenzene

Concen: 49.298 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

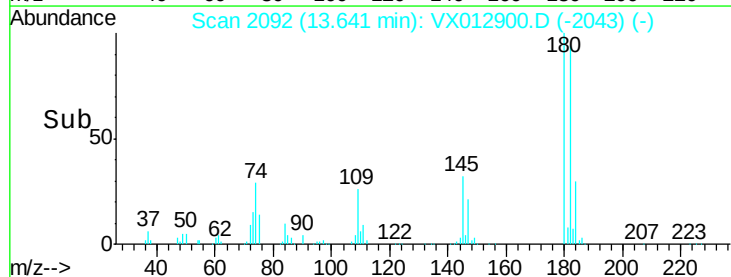
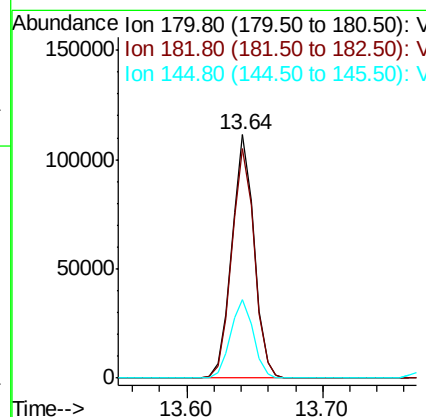
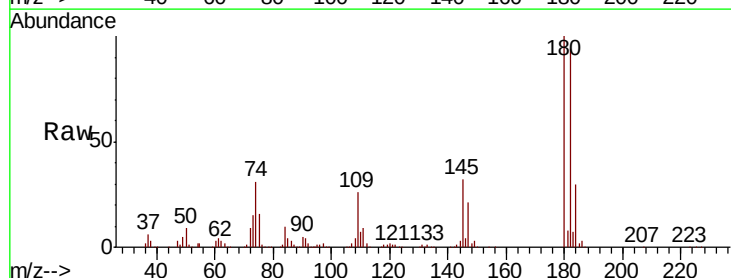
Tgt Ion: 180 Resp: 125982

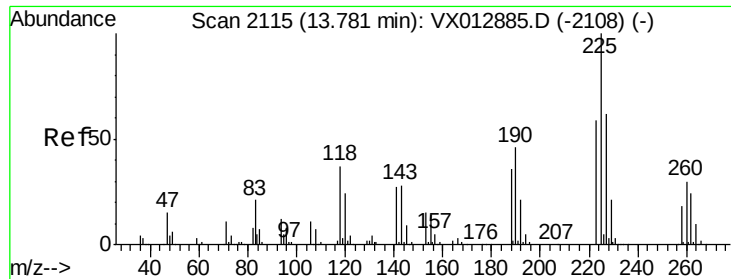
Ion Ratio Lower Upper

180 100

182 95.9 46.8 140.4

145 33.2 16.2 48.6





#94

Hexachlorobutadiene

Concen: 45.721 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Instrument :

MSVOA_X

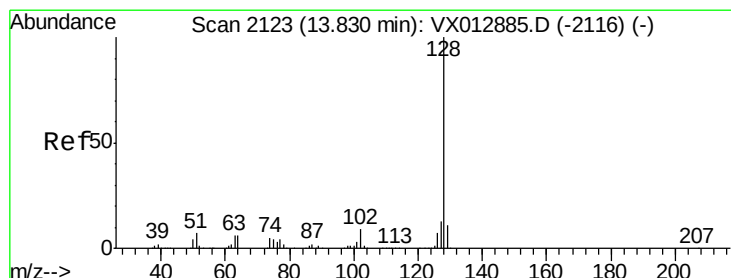
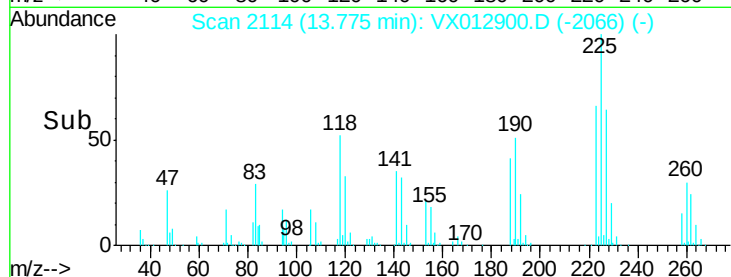
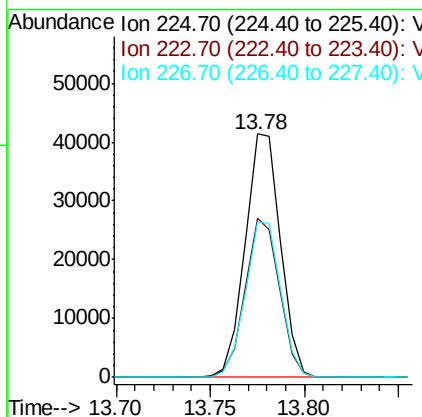
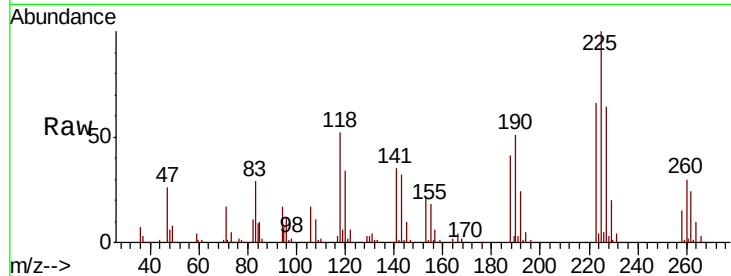
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	225	Resp:	53923
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.1	93.2
227	63.3	32.3	96.9

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#95

Naphthalene

Concen: 51.805 ug/l

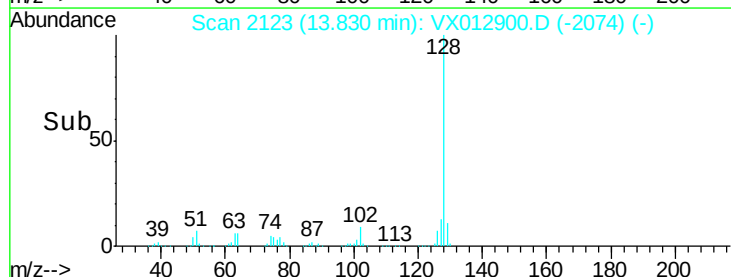
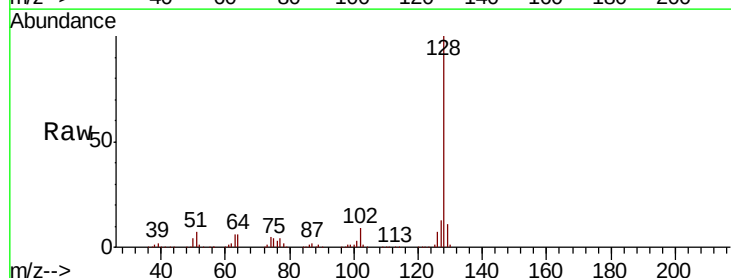
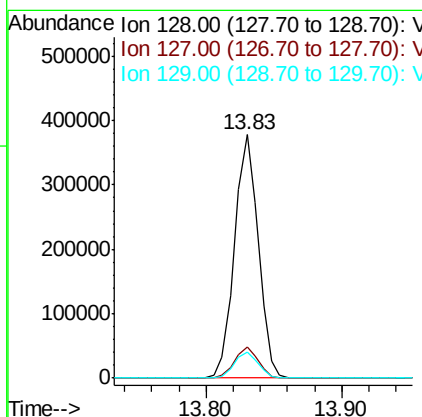
RT: 13.83 min Scan# 2123

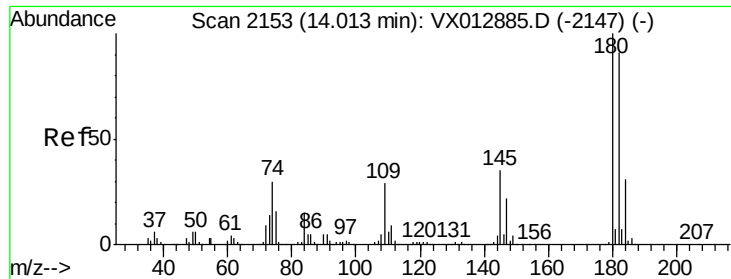
Delta R.T. 0.00 min

Lab File: VX012900.D

Acq: 08 Oct 2019 19:23

Tgt Ion:	128	Resp:	458928
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.7	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 49.324 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012900.D
 Acq: 08 Oct 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion:	180	Resp:	130257
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.5
145	35.3	17.4	52.3

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:36:26 AM

