

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092719\
 Data File : VX012692.D
 Acq On : 27 Sep 2019 12:28
 Operator : JC/SP
 Sample : VX0927WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 8:23:41 AM

Quant Time: Sep 28 04:21:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	320806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	286154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	128679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	138983	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	5.49	113	104086	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
50) Toluene-d8	8.71	98	388308	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	11.14	95	152089	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	39527	19.204	ug/l	98
3) Chloromethane	1.32	50	44390	18.781	ug/l	99
4) Vinyl Chloride	1.40	62	46910	19.968	ug/l	99
5) Bromomethane	1.63	94	22290	24.132	ug/l	98
6) Chloroethane	1.72	64	30379	19.182	ug/l	93
7) Trichlorofluoromethane	1.92	101	63752	19.328	ug/l	98
8) Diethyl Ether	2.18	74	27206	20.127	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	40352	20.086	ug/l	97
10) Methyl Iodide	2.50	142	35195	19.935	ug/l	93
11) Tert butyl alcohol	3.03	59	67671	101.674	ug/l	100
12) 1,1-Dichloroethene	2.36	96	39903	20.284	ug/l	97
13) Acrolein	2.28	56	11418	39.768	ug/l	95
14) Allyl chloride	2.72	41	77693	19.906	ug/l	98
15) Acrylonitrile	3.13	53	138082	102.261	ug/l	99
16) Acetone	2.43	43	132185	93.666	ug/l	98
17) Carbon Disulfide	2.56	76	99485	18.039	ug/l	100
18) Methyl Acetate	2.76	43	66616	20.047	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	152333	20.458	ug/l	99
20) Methylene Chloride	2.84	84	46909	19.652	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	43874	20.131	ug/l	94
22) Diisopropyl ether	3.84	45	152810	20.262	ug/l	97
23) Vinyl Acetate	3.80	43	669119	101.174	ug/l	99
24) 1,1-Dichloroethane	3.69	63	83363	20.336	ug/l	98
25) 2-Butanone	4.66	43	197486	97.596	ug/l	99
26) 2,2-Dichloropropane	4.58	77	67870	18.615	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	50933	20.141	ug/l	96
28) Bromochloromethane	5.00	49	37289	25.052	ug/l	99
29) Tetrahydrofuran	5.11	42	126577	102.630	ug/l	98
30) Chloroform	5.20	83	84272	20.093	ug/l	94
31) Cyclohexane	5.57	56	74664	20.133	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	74161	19.952	ug/l	99
36) 1,1-Dichloropropene	5.79	75	62565	20.233	ug/l	99
37) Ethyl Acetate	4.82	43	72771	20.130	ug/l	98
38) Carbon Tetrachloride	5.78	117	61309	19.518	ug/l	96

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Manual Integrations
 APPROVED

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Quant Time: Sep 28 04:21:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	73557	19.759	ug/l	94
40) Benzene	6.14	78	182695	20.080	ug/l	99
41) Methacrylonitrile	5.03	41	41714	20.566	ug/l	96
42) 1,2-Dichloroethane	6.18	62	70438	20.388	ug/l	99
43) Isopropyl Acetate	6.43	43	121081	20.028	ug/l	99
44) Trichloroethene	7.21	130	46398	19.948	ug/l	97
45) 1,2-Dichloropropane	7.51	63	47089	20.216	ug/l	98
46) Dibromomethane	7.65	93	31825	20.067	ug/l	95
47) Bromodichloromethane	7.89	83	61889	19.525	ug/l	99
48) Methyl methacrylate	7.76	41	56829	19.604	ug/l	95
49) 1,4-Dioxane	7.73	88	26538	403.613	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	376101	100.781	ug/l	97
52) Toluene	8.78	92	118475	20.719	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	67114	19.137	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	76020	19.853	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	48107	21.161	ug/l	95
56) Ethyl methacrylate	9.17	69	75859	19.862	ug/l	96
57) 1,3-Dichloropropane	9.37	76	82258	20.674	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	187547	109.394	ug/l	97
59) 2-Hexanone	9.48	43	285853	100.070	ug/l	94
60) Dibromochloromethane	9.57	129	45736	19.873	ug/l	100
61) 1,2-Dibromoethane	9.67	107	48767	20.611	ug/l	100
64) Tetrachloroethene	9.33	164	41854	20.978	ug/l	92
65) Chlorobenzene	10.14	112	121225	20.118	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	43414	19.885	ug/l	98
67) Ethyl Benzene	10.25	91	222102	20.322	ug/l	98
68) m/p-Xylenes	10.35	106	165215	40.354	ug/l	99
69) o-Xylene	10.70	106	79091	19.965	ug/l	97
70) Styrene	10.71	104	136579	20.565	ug/l	99
71) Bromoform	10.85	173	29103	19.144	ug/l #	95
73) Isopropylbenzene	11.01	105	218201	20.820	ug/l	100
74) N-amyl acetate	10.89	43	99310	19.862	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	71132	20.493	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	69305m	20.361	ug/l	
77) Bromobenzene	11.25	156	48197	20.319	ug/l	96
78) n-propylbenzene	11.35	91	240070	20.346	ug/l	100
79) 2-Chlorotoluene	11.42	91	148677	20.199	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	184250	20.964	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	21429	18.041	ug/l	99
82) 4-Chlorotoluene	11.51	91	171087	20.390	ug/l	99
83) tert-Butylbenzene	11.76	119	173410	20.454	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	184360	20.794	ug/l	97
85) sec-Butylbenzene	11.94	105	207360	21.029	ug/l	99
86) p-Isopropyltoluene	12.06	119	184847	20.775	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	88003	20.616	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	87491	20.283	ug/l	98
89) n-Butylbenzene	12.38	91	156033	19.901	ug/l	98
90) Hexachloroethane	12.59	117	29948	18.880	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	88541	20.718	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16759	19.302	ug/l	96

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Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

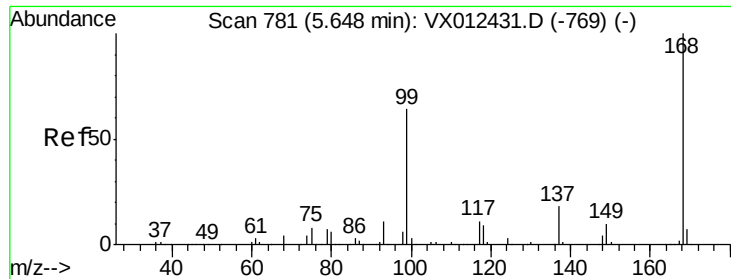
Manual Integrations
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9/30/2019 8:23:41 AM

Quant Time: Sep 28 04:21:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	51789	19.871	ug/l	99
94) Hexachlorobutadiene	13.77	225	23495	20.955	ug/l	99
95) Naphthalene	13.83	128	194417	20.618	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	53004	20.302	ug/l	98

(#) = 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. 0.01 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampled :

VX0927WBSD01

Tot Ion:168 Resp: 182965

Ion Ratio Lower Upper

168 100

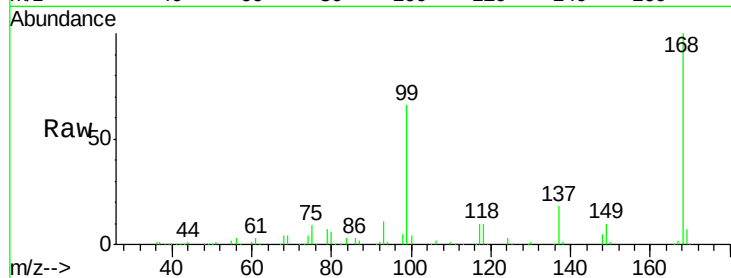
99 65.6 51.4 77.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

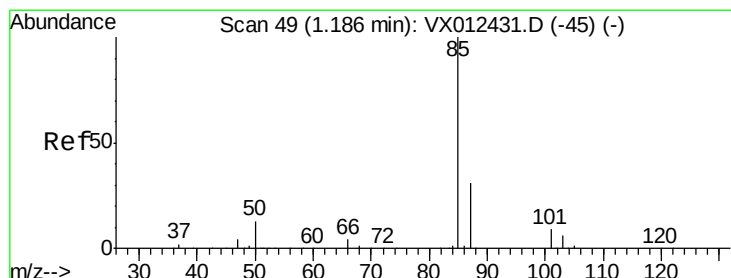
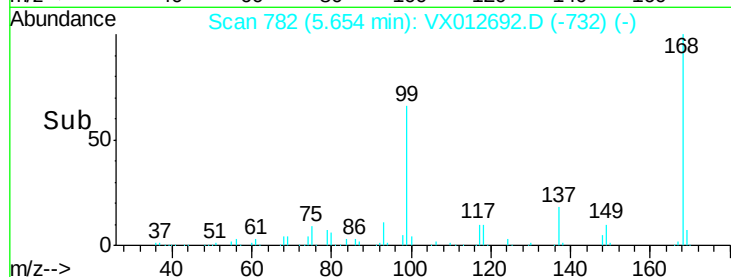
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.204 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012692.D

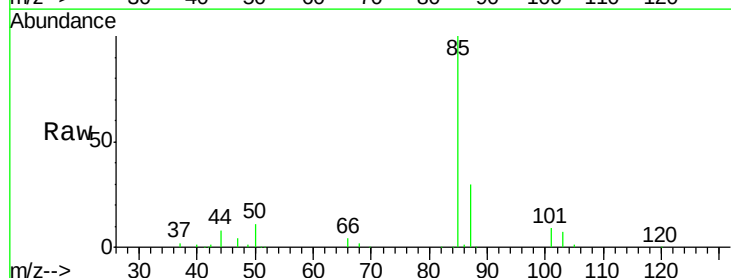
Acq: 27 Sep 2019 12:28

Tgt Ion: 85 Resp: 39527

Ion Ratio Lower Upper

85 100

87 30.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

40000

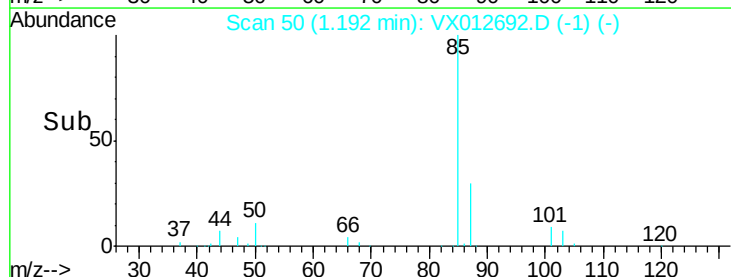
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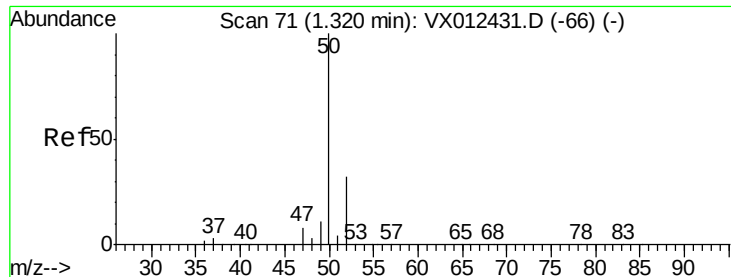
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.781 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion: 50 Resp: 44390

Ion Ratio Lower Upper

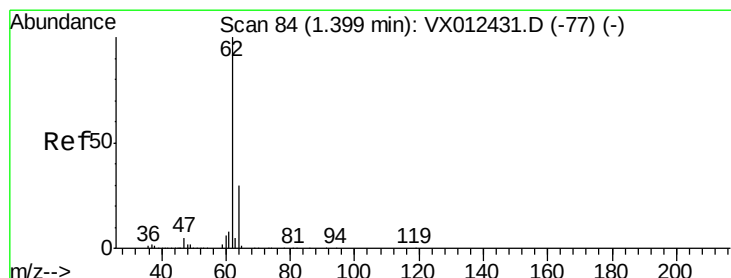
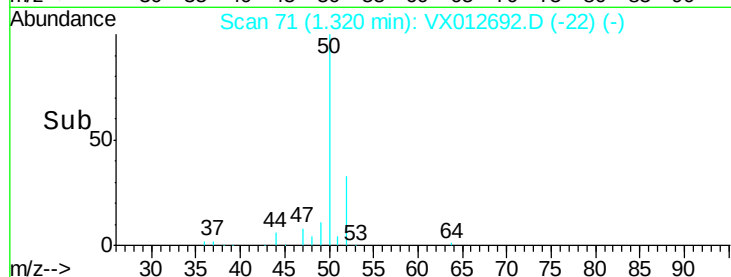
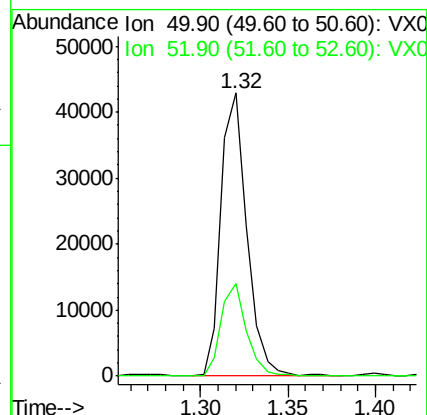
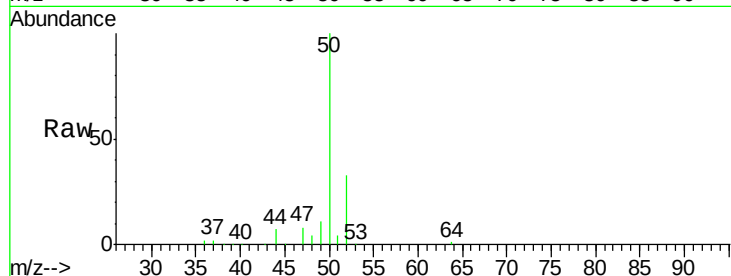
50 100

52 32.6 25.7 38.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.968 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012692.D

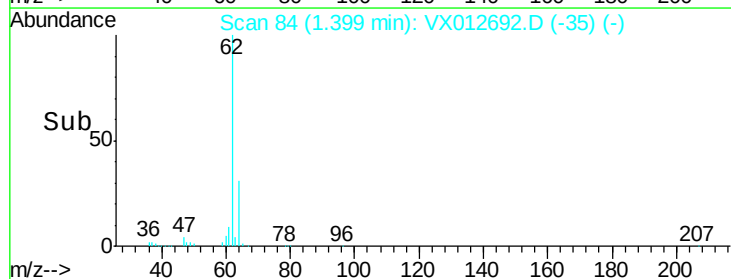
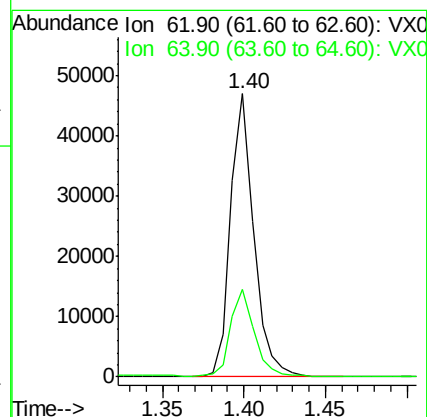
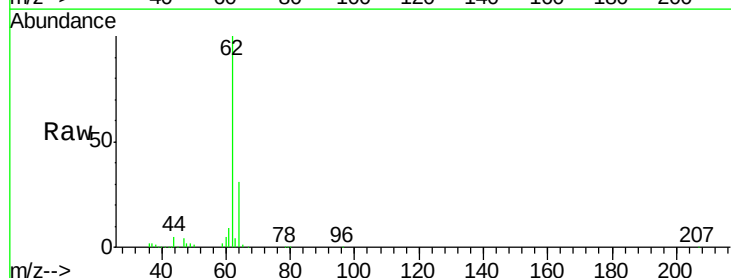
Acq: 27 Sep 2019 12:28

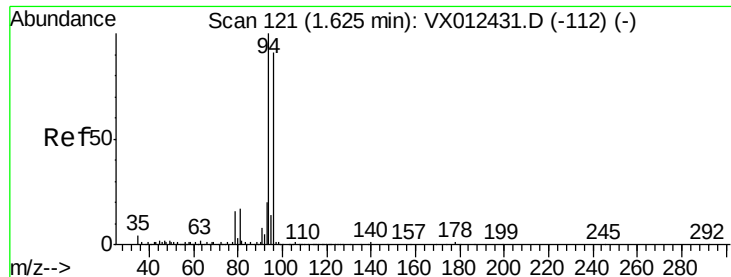
Tgt Ion: 62 Resp: 46910

Ion Ratio Lower Upper

62 100

64 30.7 24.2 36.2





#5

Bromomethane

Concen: 24.132 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion: 94 Resp: 22290

Ion Ratio Lower Upper

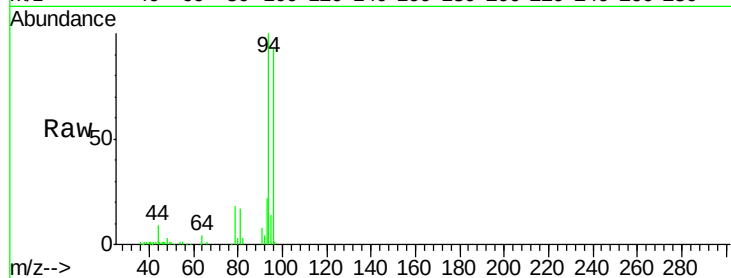
94 100

96 92.8 72.8 109.2

Manual Integrations
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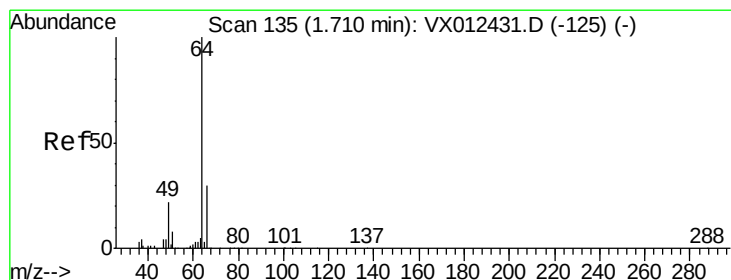
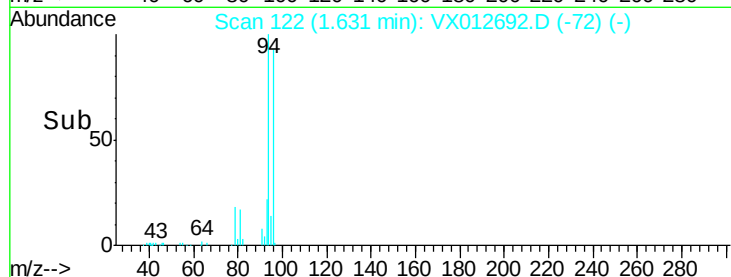
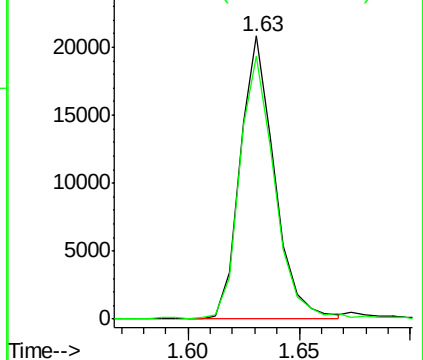
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.182 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012692.D

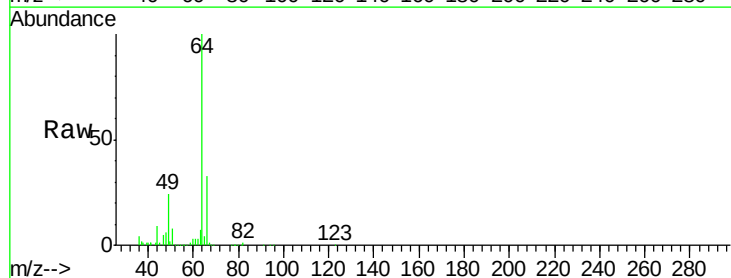
Acq: 27 Sep 2019 12:28

Tgt Ion: 64 Resp: 30379

Ion Ratio Lower Upper

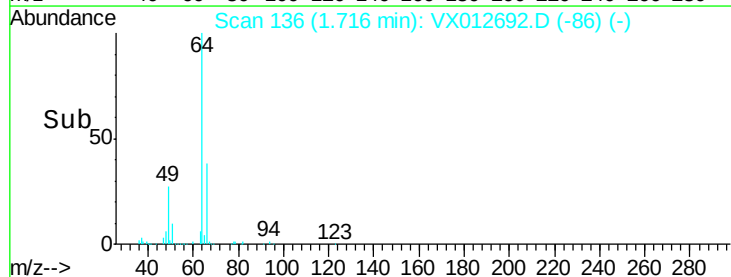
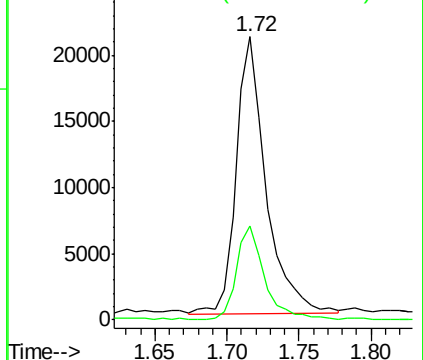
64 100

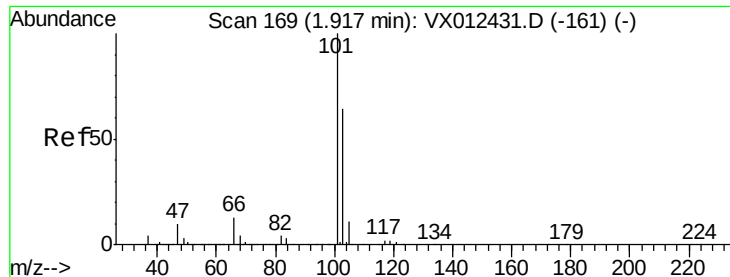
66 34.0 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

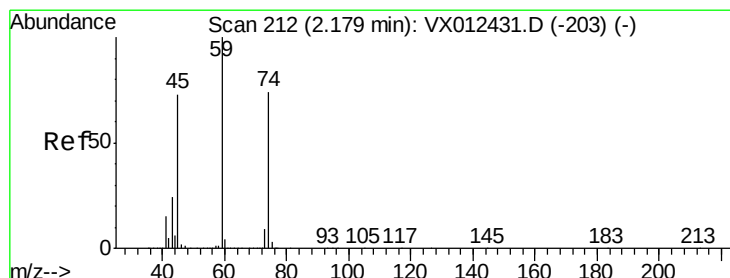
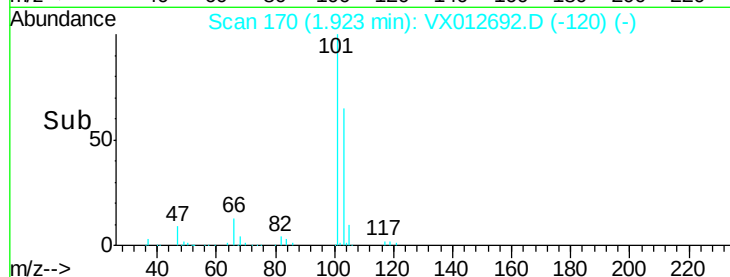
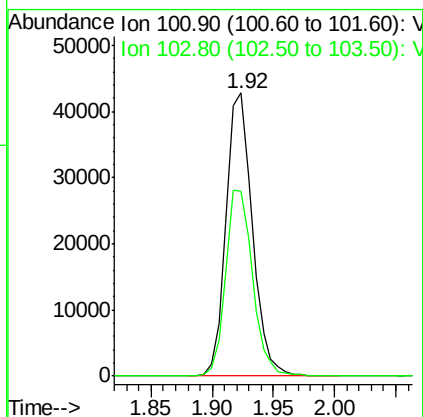
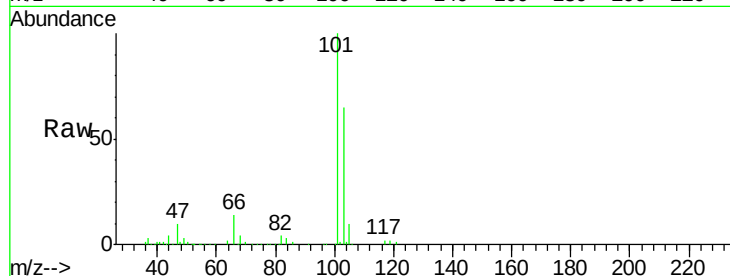
Trichlorofluoromethane
Concen: 19.328 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
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ClientSampleId :
VX0927WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		63752		
103	65.3	51.0	76.4		

Manual Integrations
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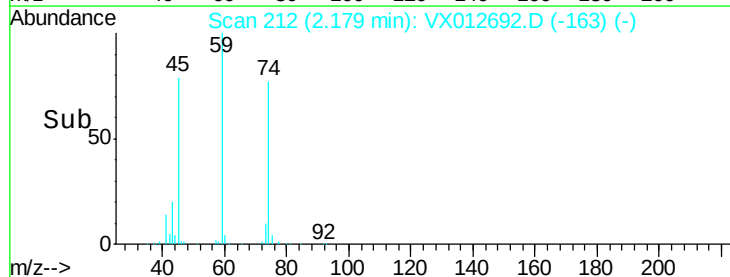
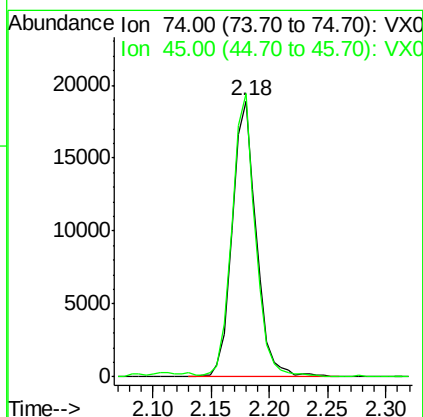
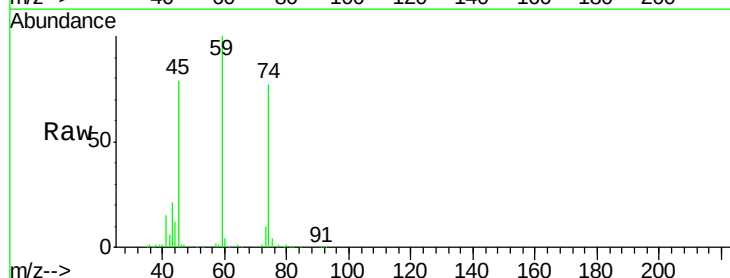
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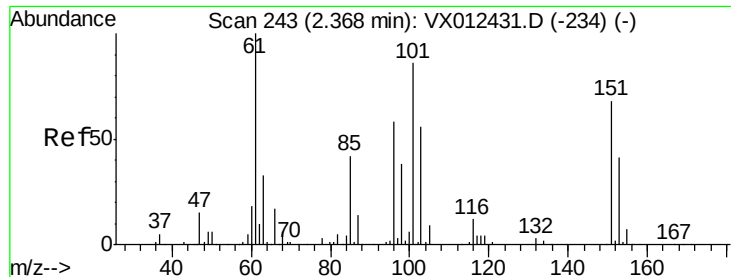


#8

Diethyl Ether
Concen: 20.127 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		27206		
45	100.3	49.9	149.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.086 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

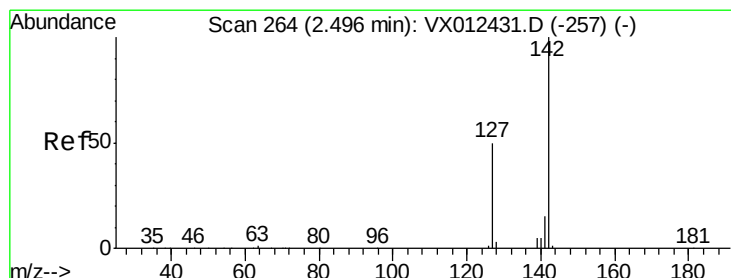
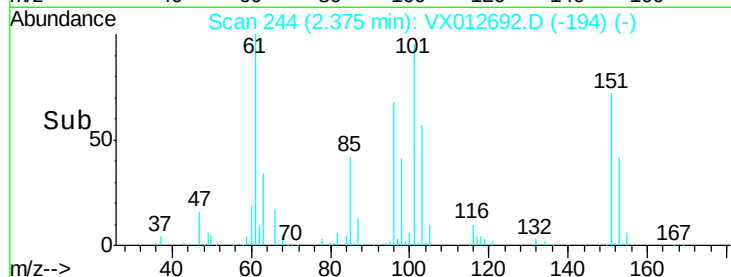
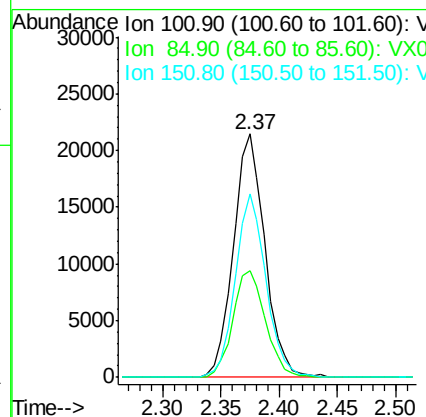
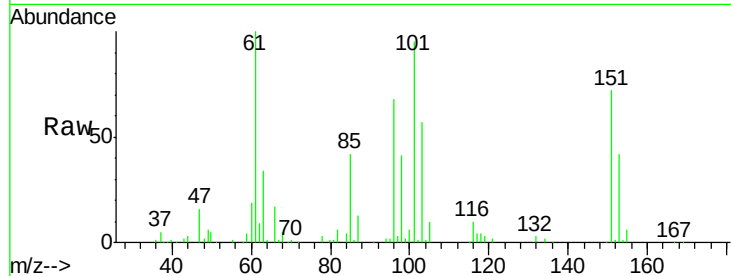
ClientSampleId :

VX0927WBSD01

Tot Ion:	101	Resp:	40352
Ion Ratio	Lower	Upper	
101	100		
85	45.5	37.3	55.9
151	73.5	61.0	91.4

Manual Integrations
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9/30/2019 8:23:41 AM



#10

Methyl Iodide

Concen: 19.935 ug/l

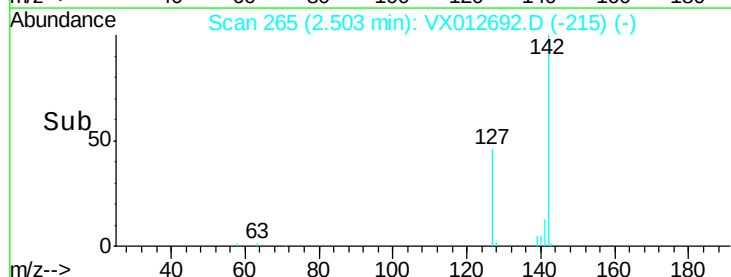
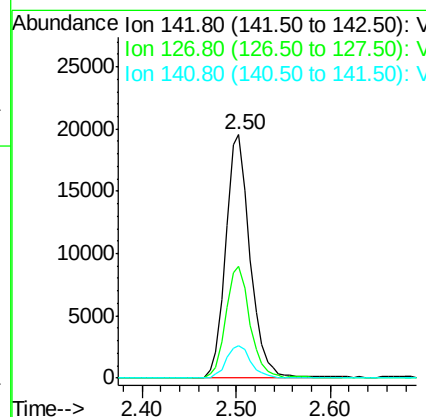
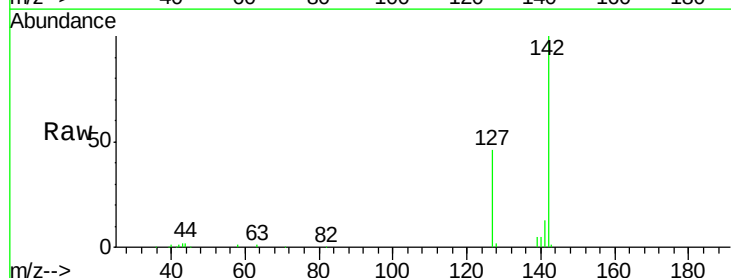
RT: 2.50 min Scan# 265

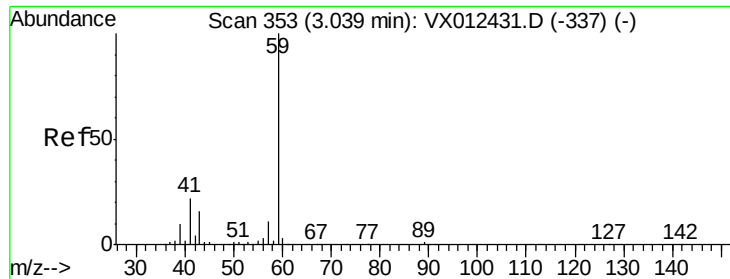
Delta R.T. 0.01 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Tgt Ion:	142	Resp:	35195
Ion Ratio	Lower	Upper	
142	100		
127	45.6	40.8	61.2
141	13.3	12.1	18.1





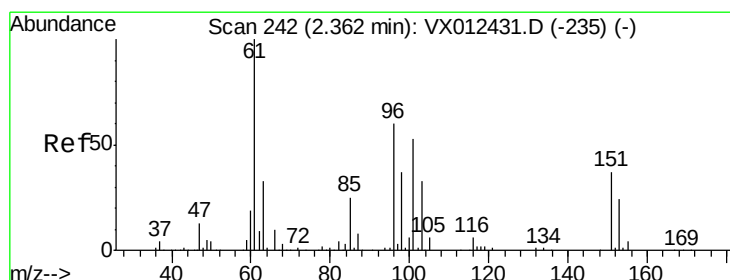
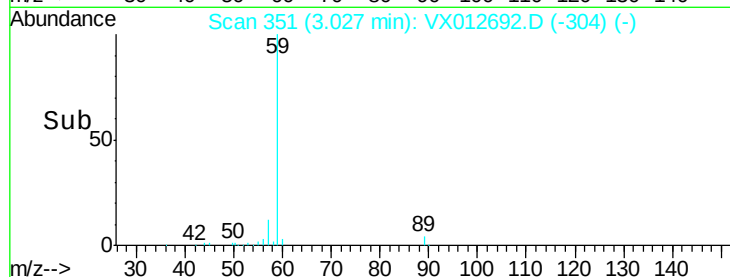
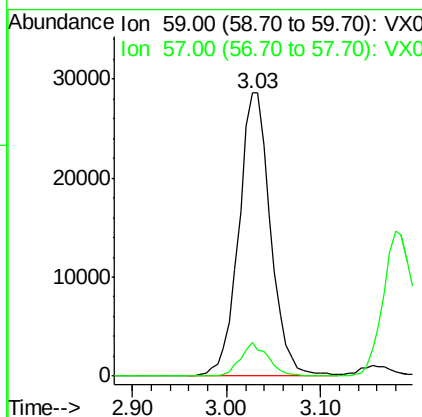
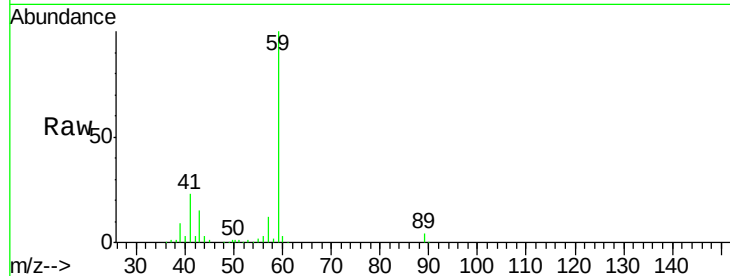
#11
Tert butyl alcohol
Concen: 101.674 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion: 59 Resp: 67671
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5

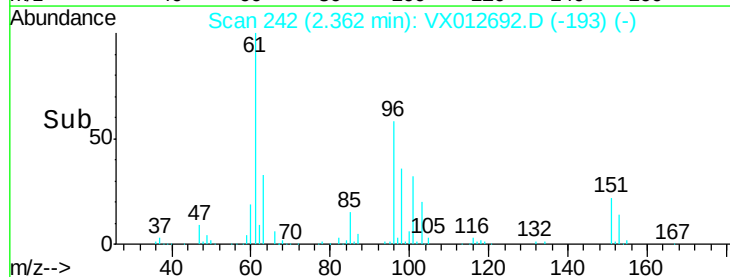
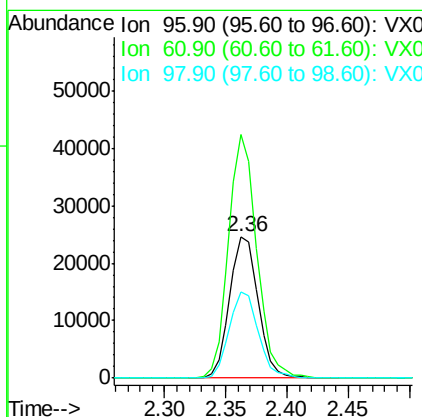
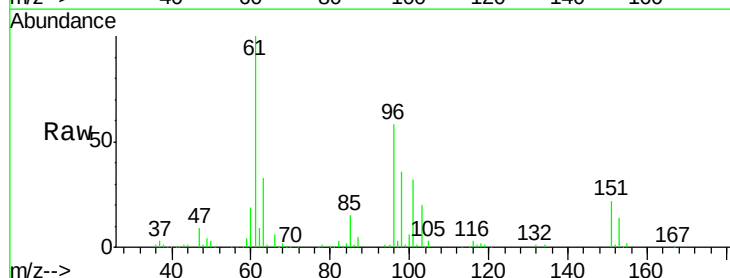
Manual Integrations
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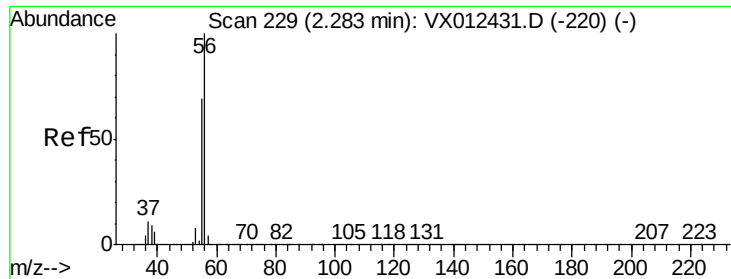
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.284 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion: 96 Resp: 39903
Ion Ratio Lower Upper
96 100
61 171.8 133.8 200.6
98 61.1 49.9 74.9





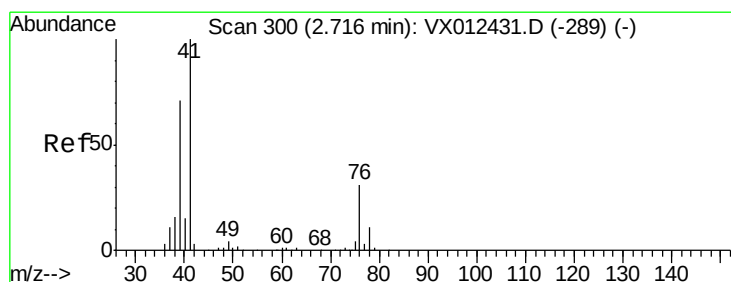
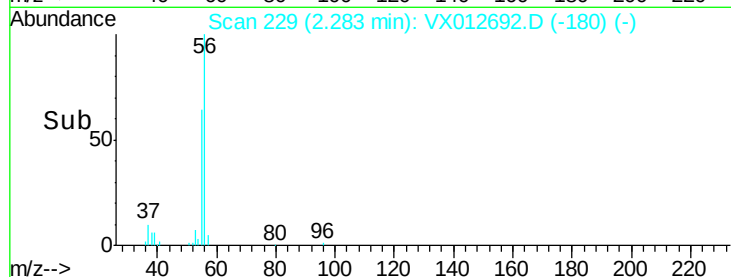
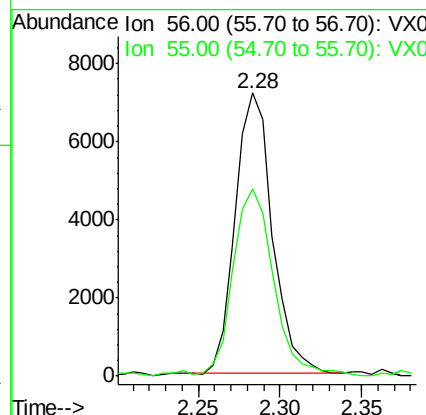
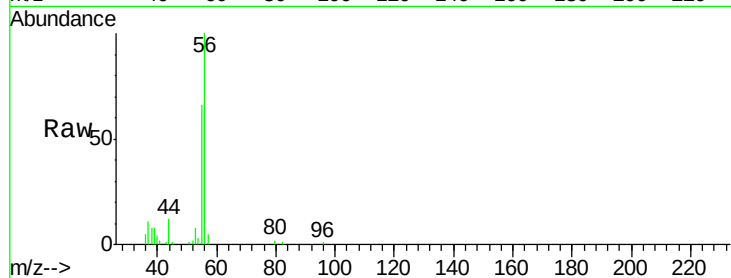
#13
Acrolein
Concen: 39.768 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.1	55.8	83.8

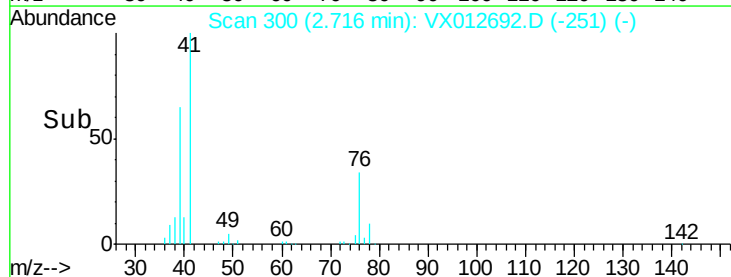
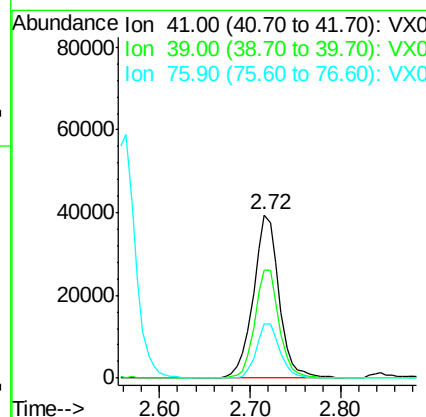
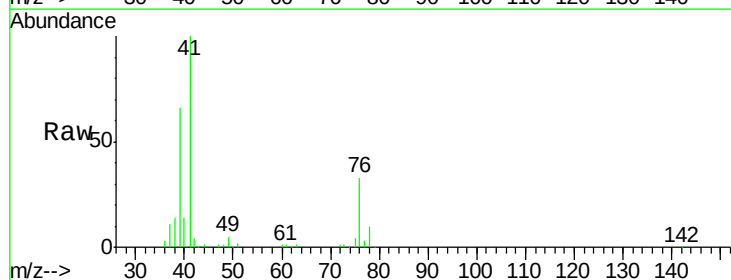
Manual Integrations
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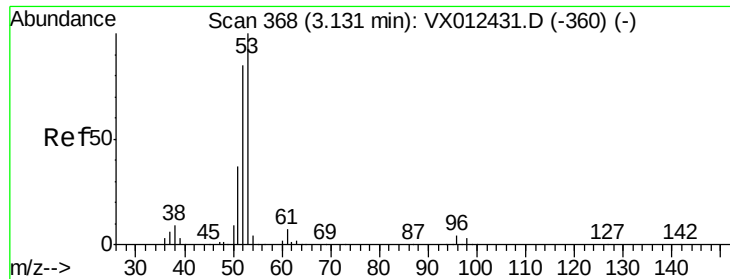
MMDadoda
9/30/2019 8:23:41 AM



#14
Allyl chloride
Concen: 19.906 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.8	51.3	76.9
76	30.4	22.6	33.8





#15

Acrylonitrile

Concen: 102.261 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

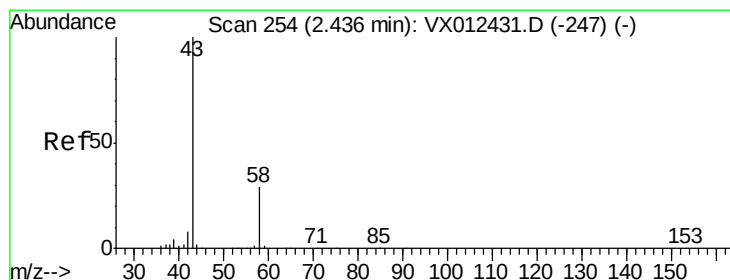
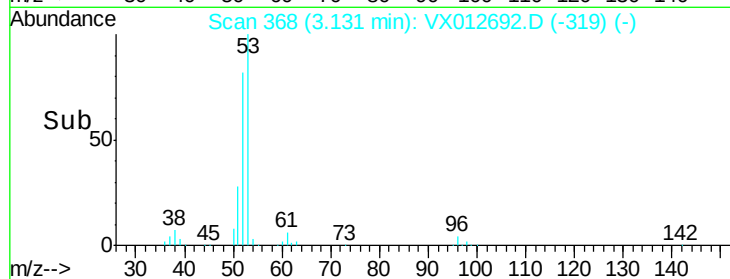
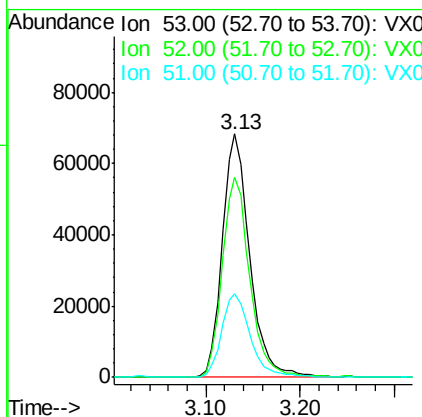
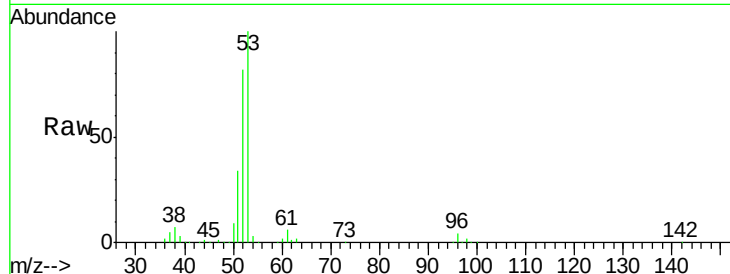
ClientSampleId :

VX0927WBSD01

Tot Ion:	53	Resp:	138082
Ion Ratio	Lower	Upper	
53	100		
52	82.3	67.0	100.4
51	36.2	29.6	44.4

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#16

Acetone

Concen: 93.666 ug/l

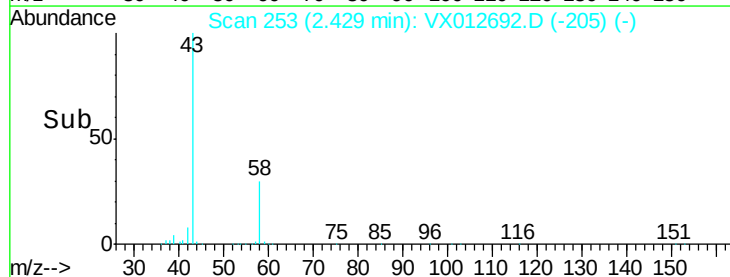
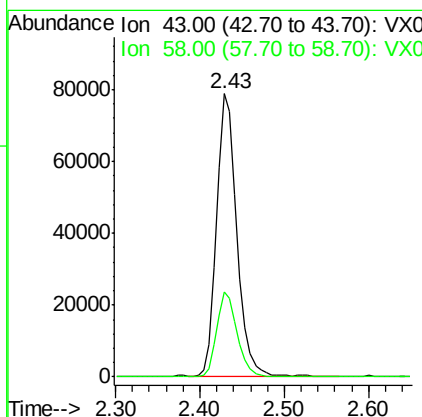
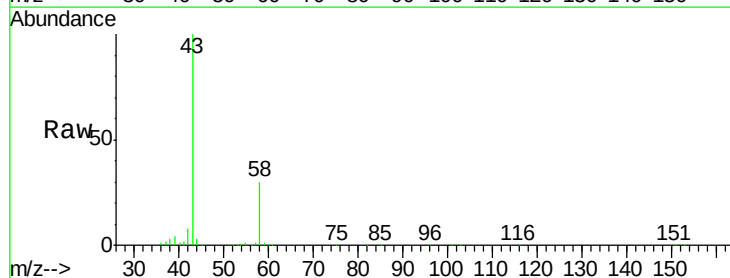
RT: 2.43 min Scan# 253

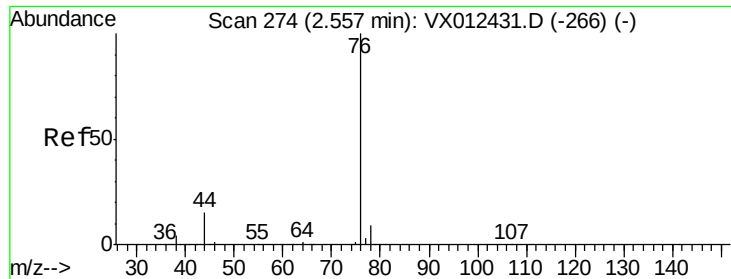
Delta R.T. -0.01 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Tgt Ion:	43	Resp:	132185
Ion Ratio	Lower	Upper	
43	100		
58	30.1	23.3	34.9





#17

Carbon Disulfide

Concen: 18.039 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion: 76 Resp: 99485

Ion Ratio Lower Upper

76 100

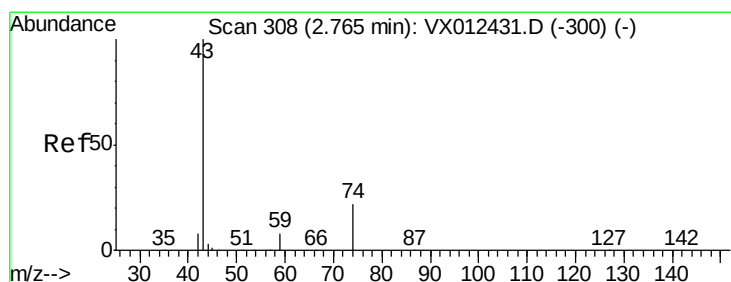
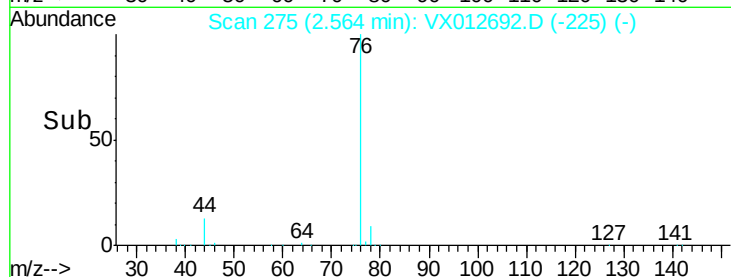
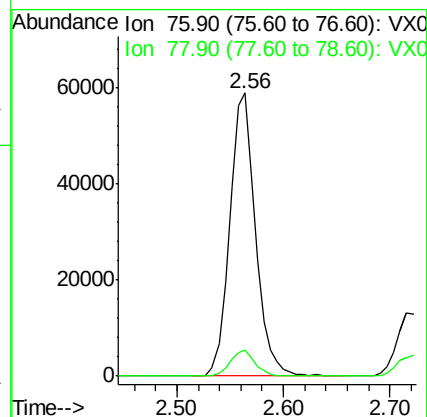
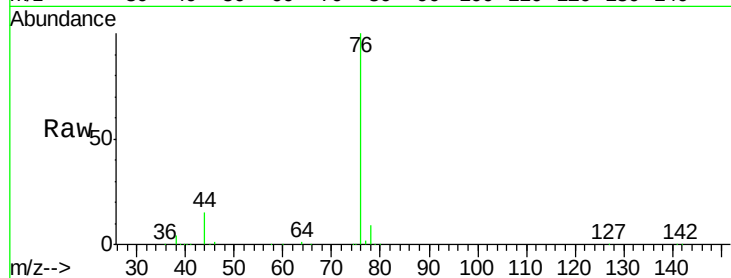
78 9.2 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 20.047 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012692.D

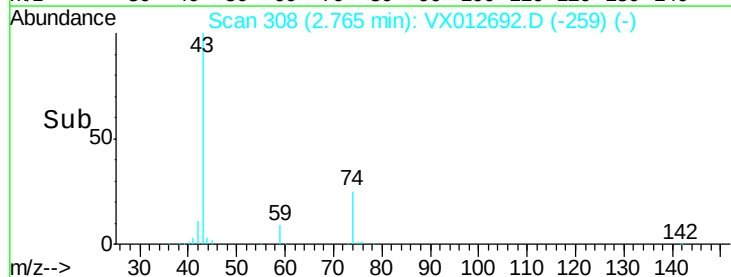
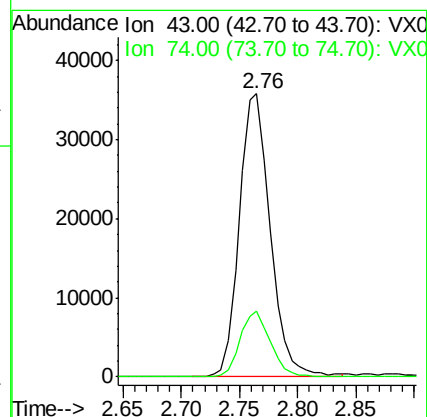
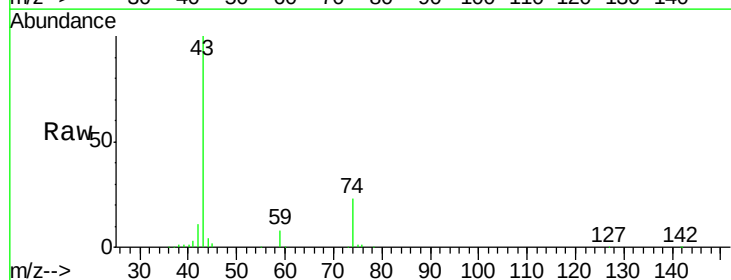
Acq: 27 Sep 2019 12:28

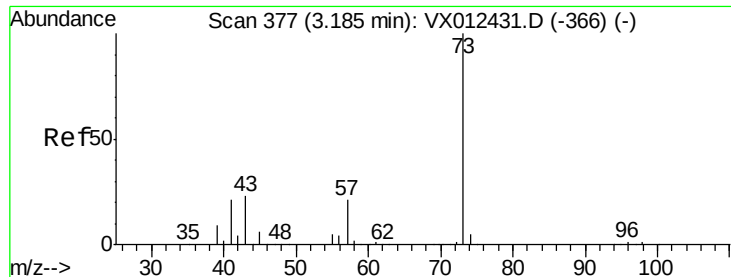
Tgt Ion: 43 Resp: 66616

Ion Ratio Lower Upper

43 100

74 23.0 17.7 26.5





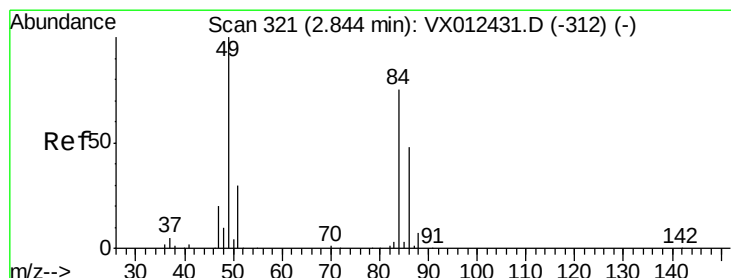
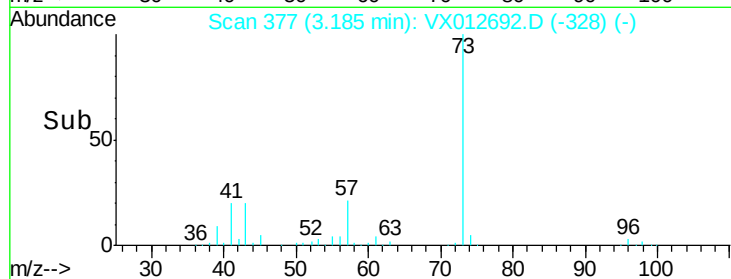
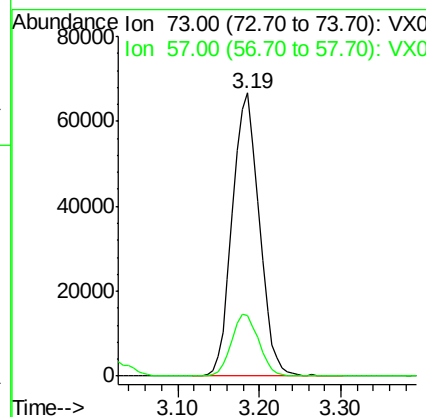
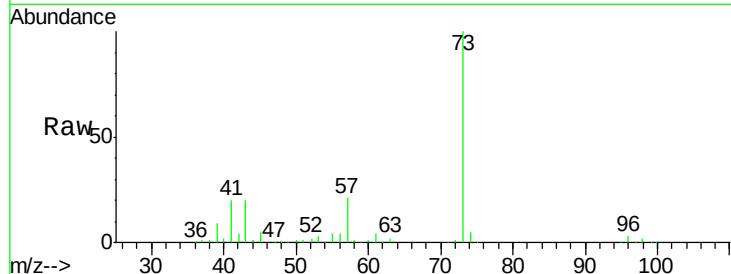
#19
Methyl tert-butyl Ether
Concen: 20.458 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.8	25.2

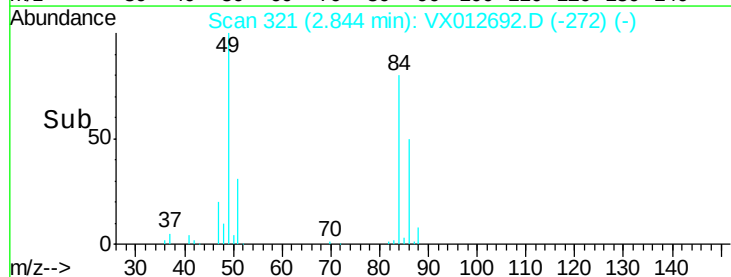
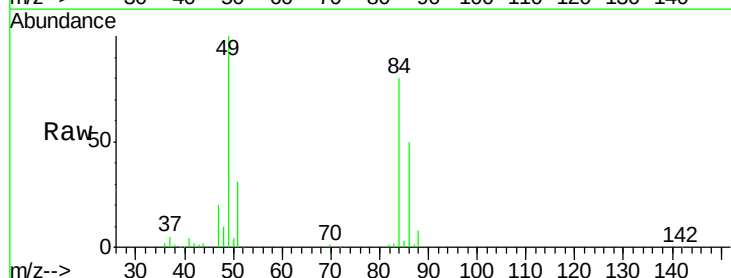
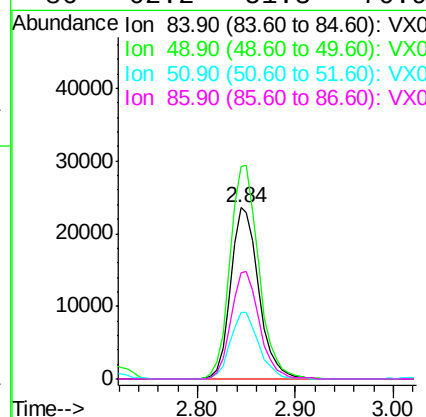
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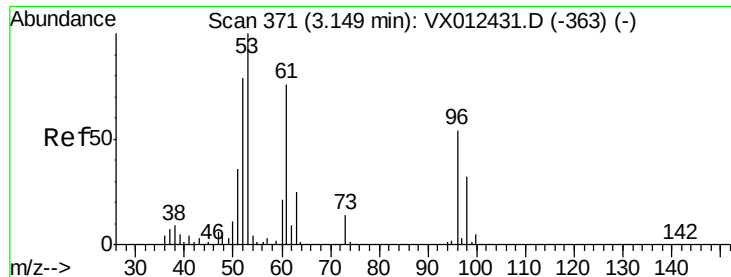
MMDadoda
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#20
Methylene Chloride
Concen: 19.652 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.3	106.8	160.2
51	39.0	32.3	48.5
86	62.2	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 20.131 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion: 96 Resp: 43874

Ion Ratio Lower Upper

96 100

61 147.8 112.0 168.0

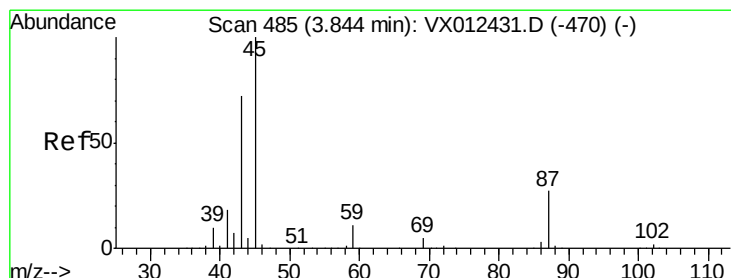
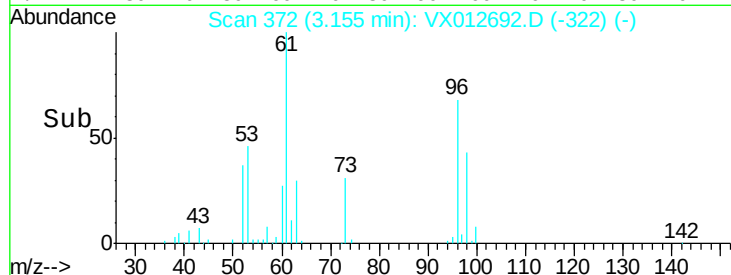
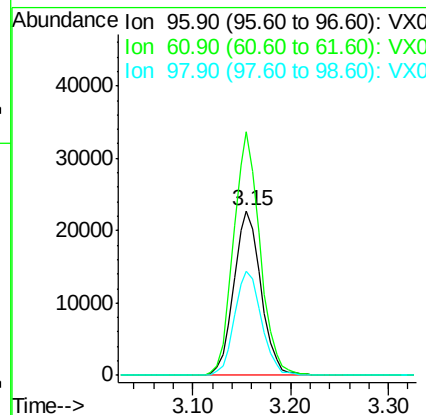
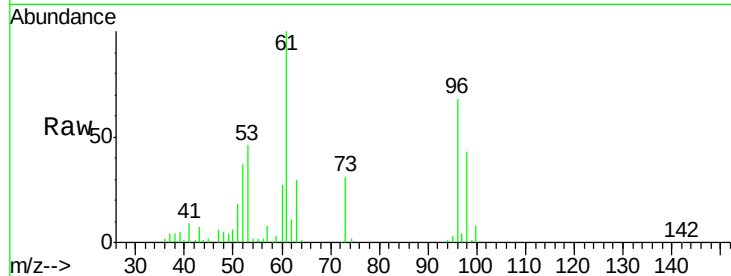
98 63.2 47.8 71.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.262 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Tgt Ion: 45 Resp: 152810

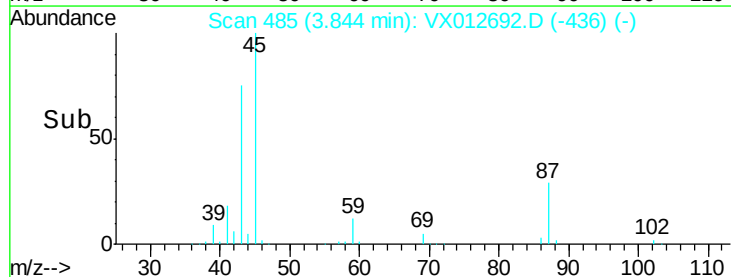
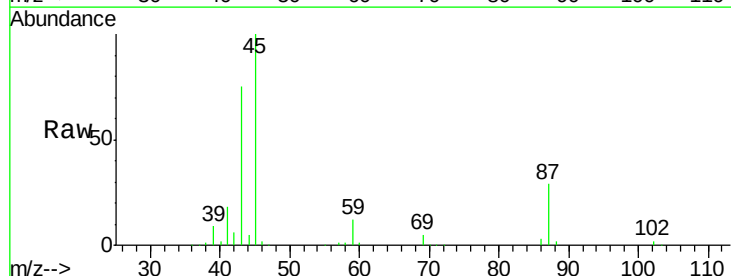
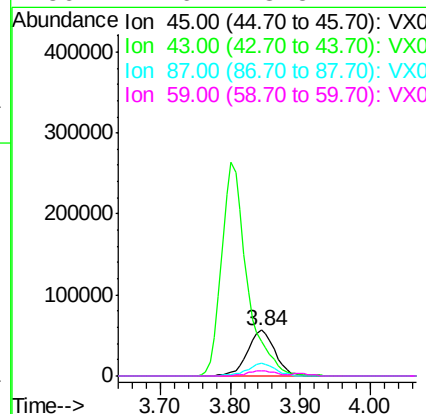
Ion Ratio Lower Upper

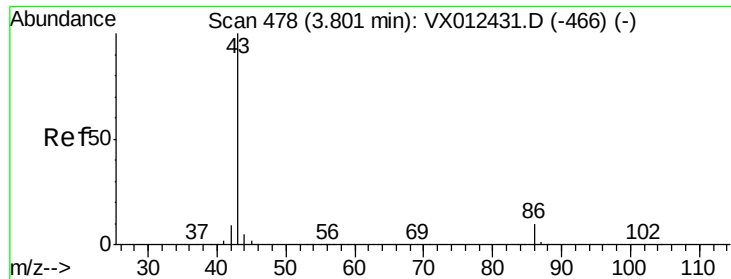
45 100

43 74.9 57.8 86.8

87 28.7 21.3 31.9

59 11.6 8.5 12.7





#23

Vinyl Acetate

Concen: 101.174 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion: 43 Resp: 669119

Ion Ratio Lower Upper

43 100

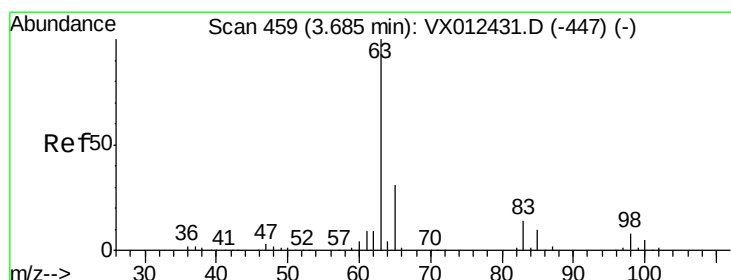
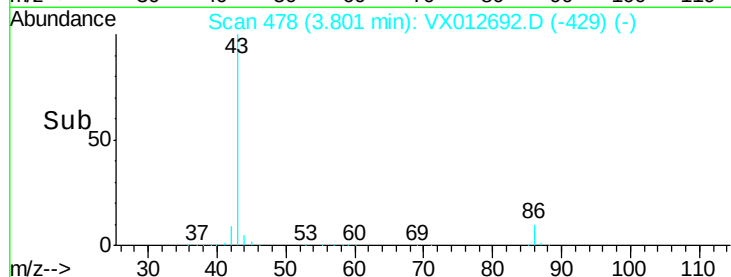
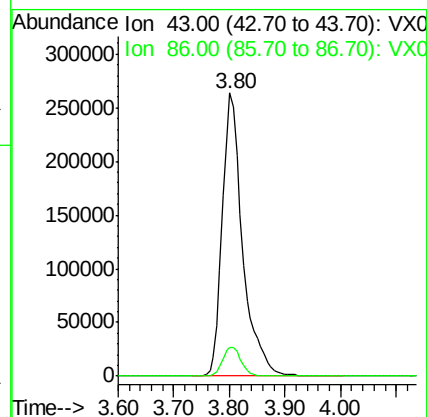
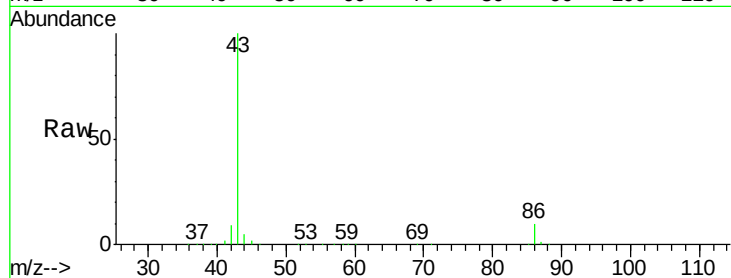
86 10.3 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 20.336 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

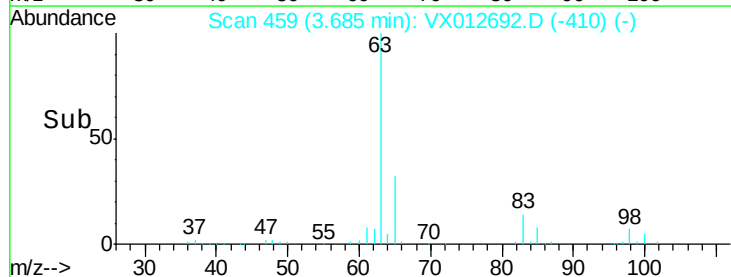
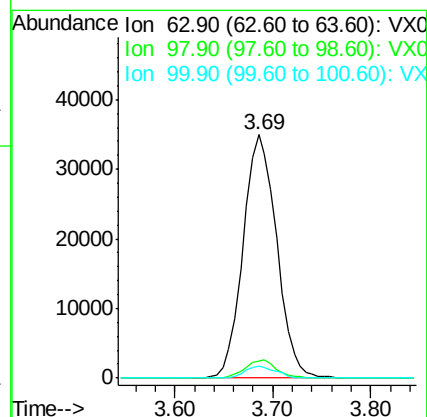
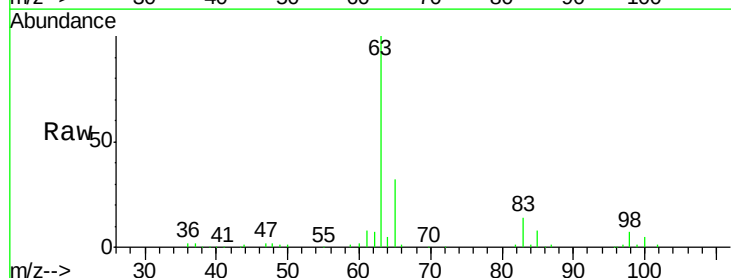
Tgt Ion: 63 Resp: 83363

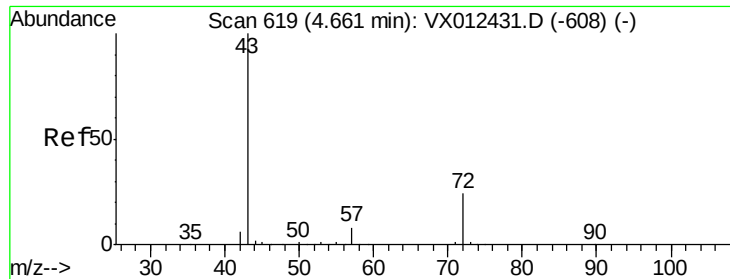
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.7

100 5.0 2.3 6.9





#25

2-Butanone

Concen: 97.596 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion: 43 Resp: 197486

Ion Ratio Lower Upper

43 100

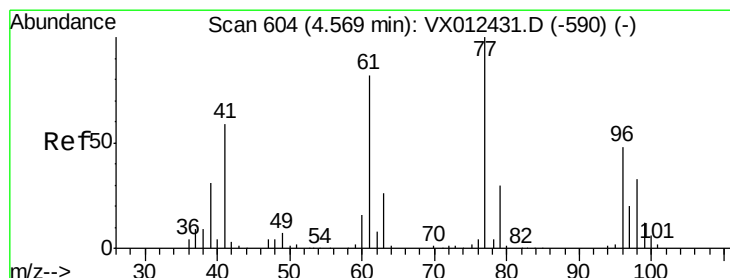
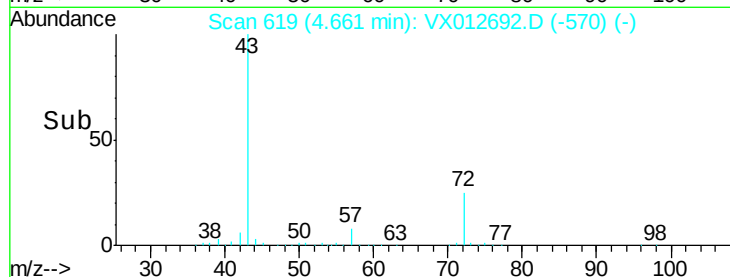
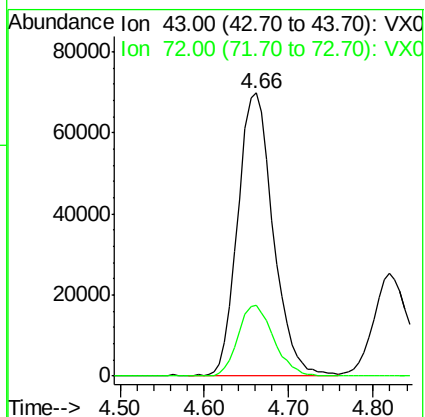
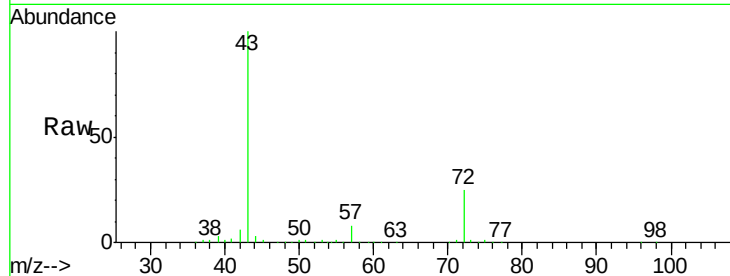
72 24.6 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.615 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012692.D

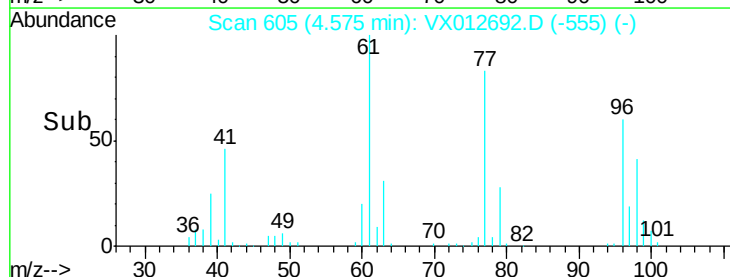
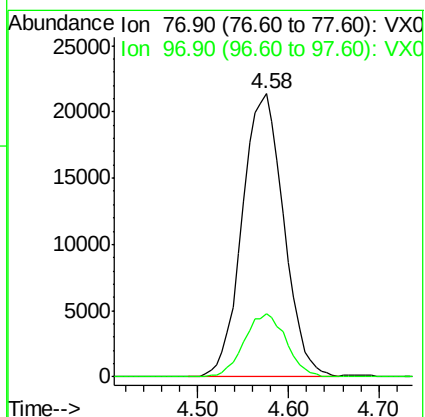
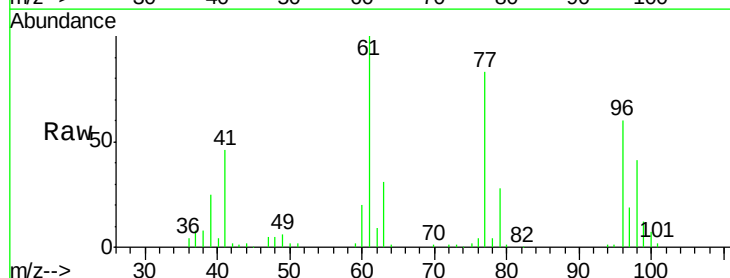
Acq: 27 Sep 2019 12:28

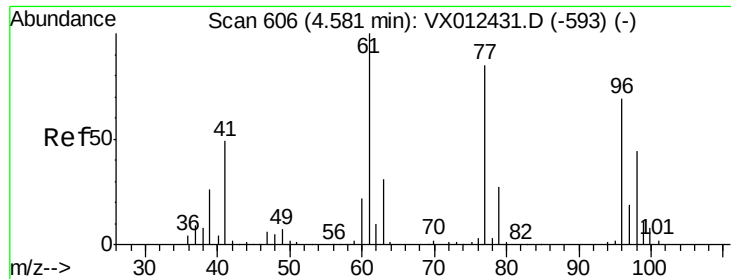
Tgt Ion: 77 Resp: 67870

Ion Ratio Lower Upper

77 100

97 22.4 10.5 31.6





#27

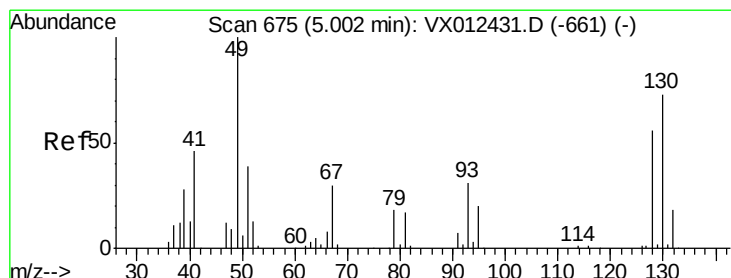
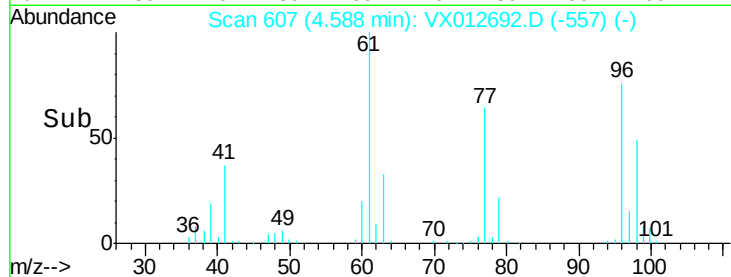
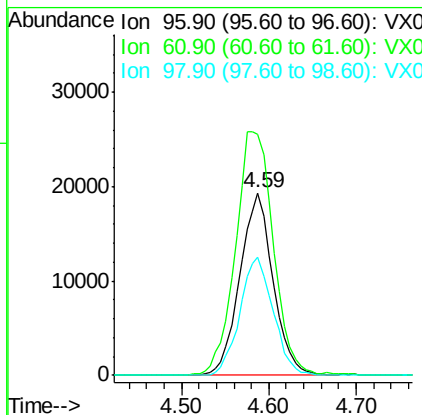
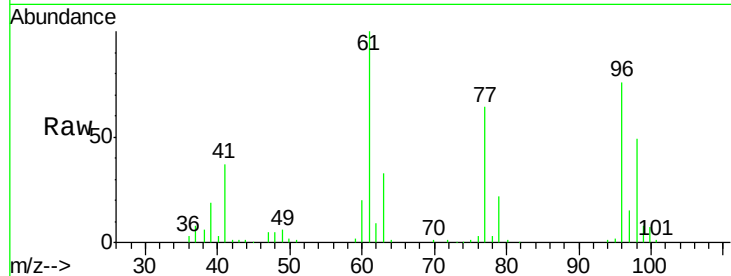
cis-1,2-Dichloroethene
Concen: 20.141 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	50933		
61	152.1		0.0	319.4
98	65.0		0.0	130.6

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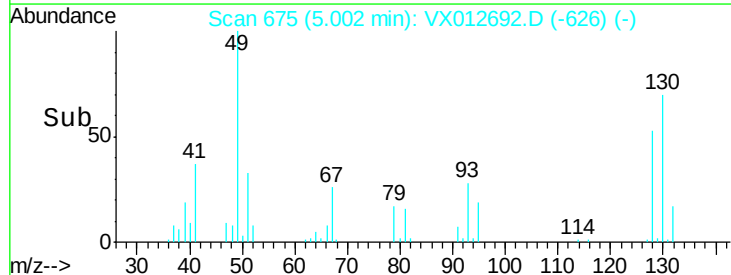
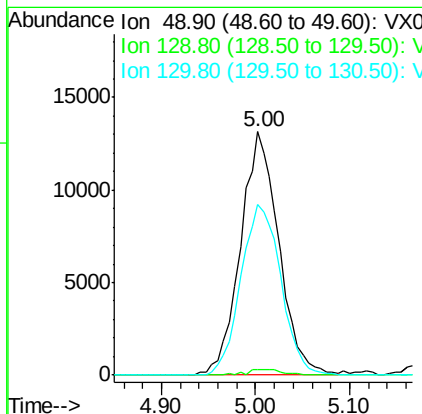
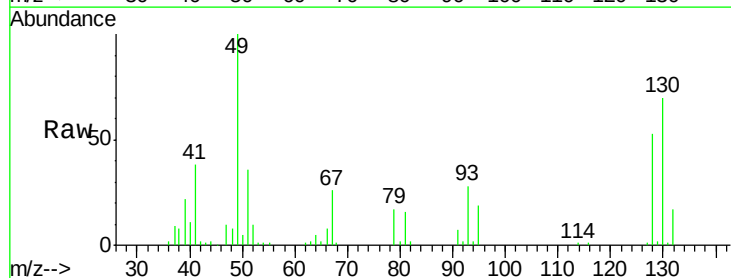
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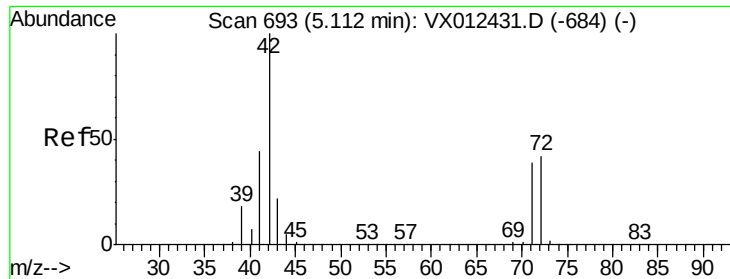


#28

Bromochloromethane
Concen: 25.052 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	37289		
129	2.1		0.0	3.8
130	73.5		58.2	87.4





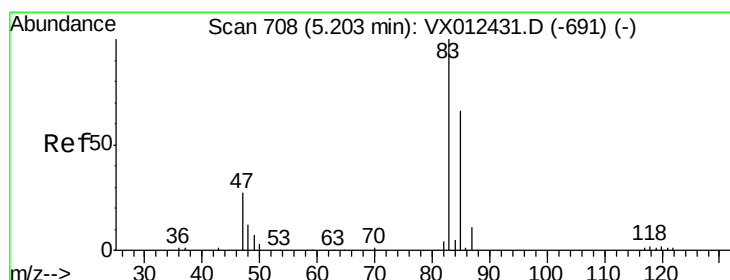
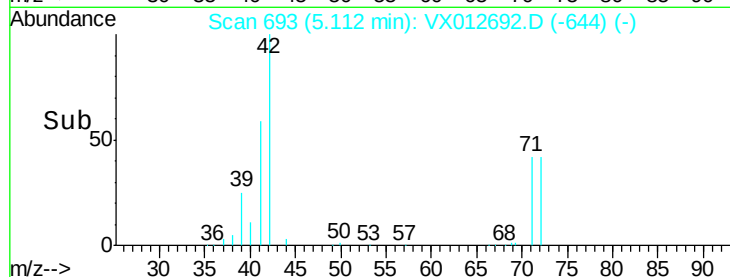
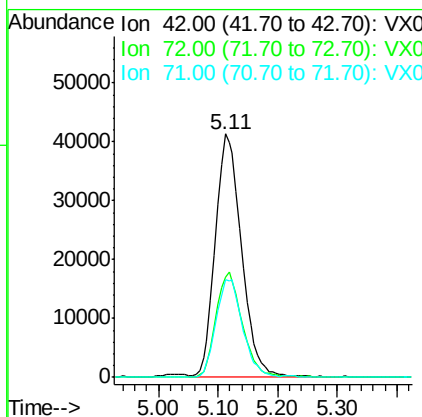
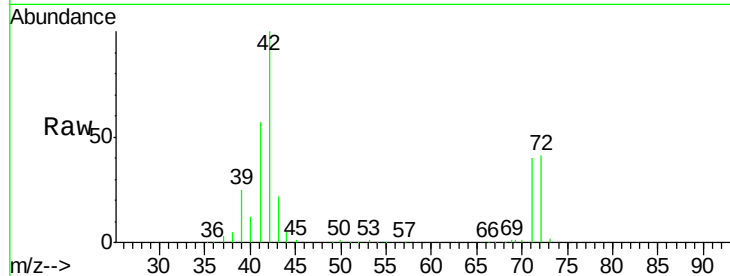
#29
Tetrahydrofuran
Concen: 102.630 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.0	51.0
71	40.6	31.5	47.3

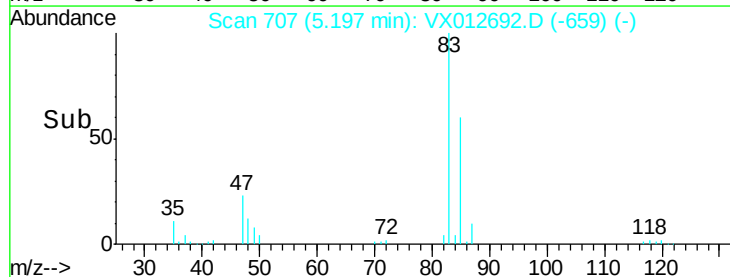
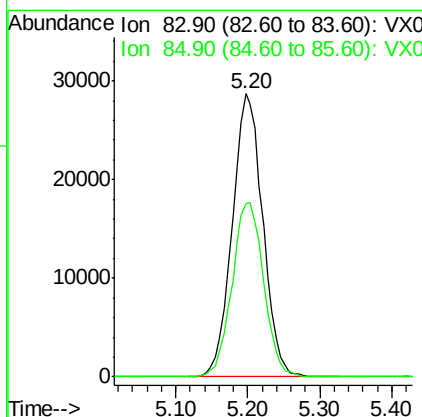
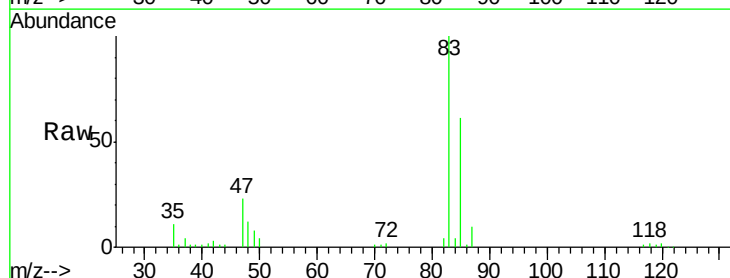
Manual Integrations
APPROVED

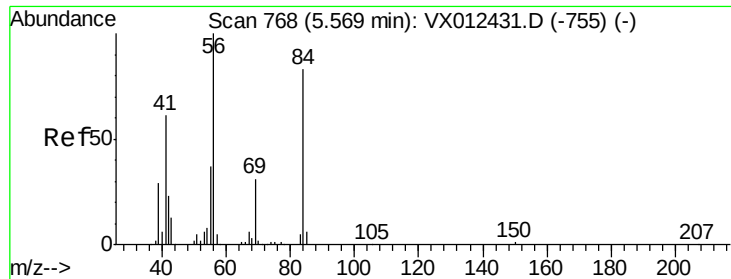
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#30
Chloroform
Concen: 20.093 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	53.0	79.4





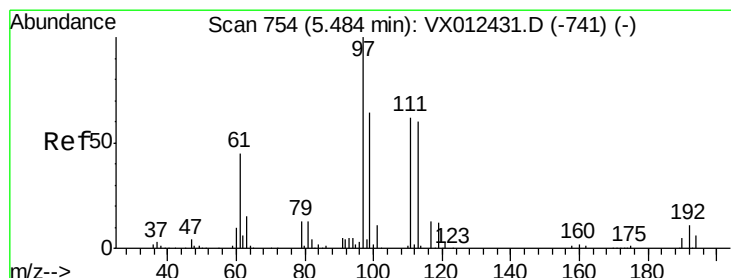
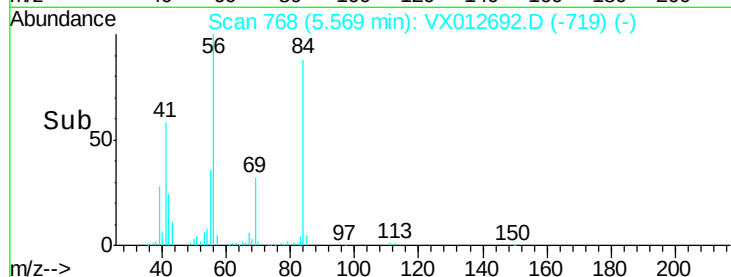
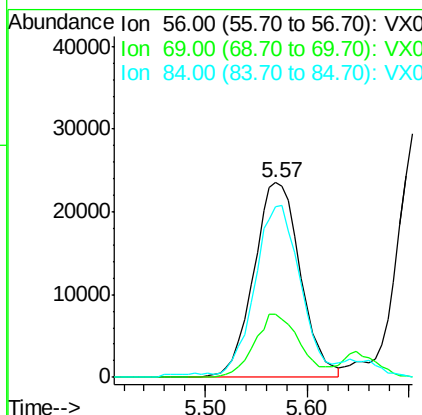
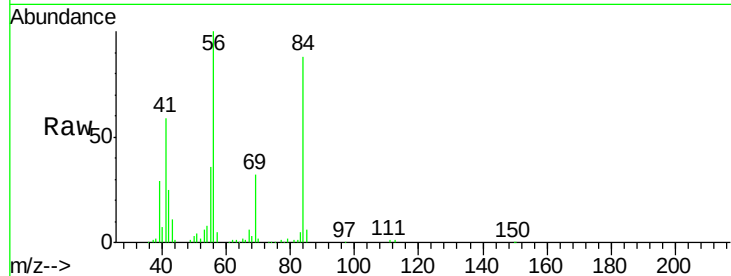
#31
Cyclohexane
Concen: 20.133 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.0	37.6
84	86.0	66.4	99.6

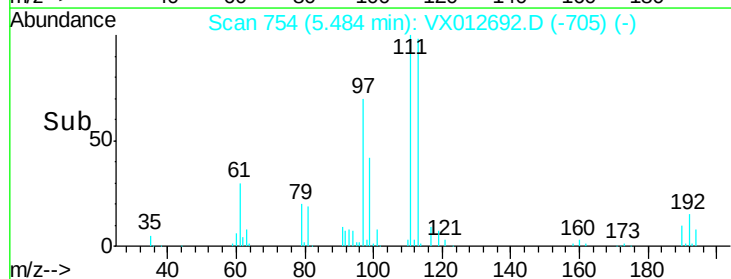
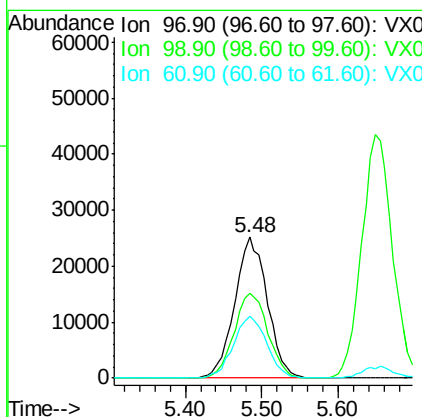
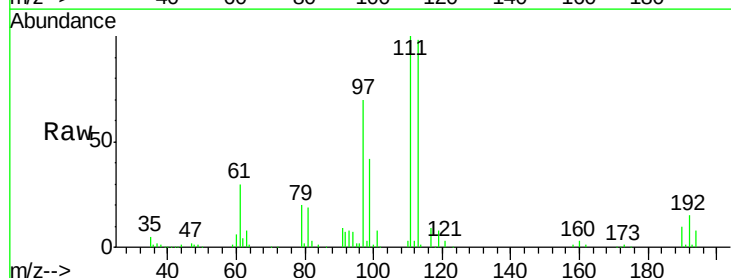
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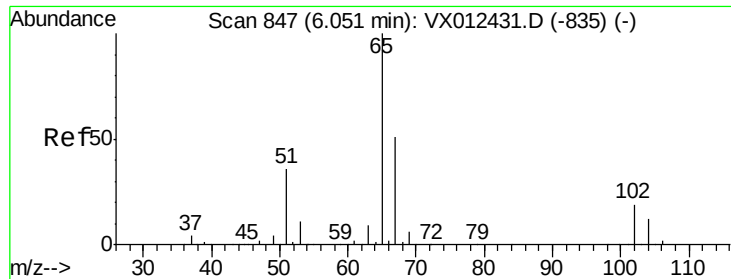
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#32
1,1,1-Trichloroethane
Concen: 19.952 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.3	76.9
61	44.8	36.1	54.1





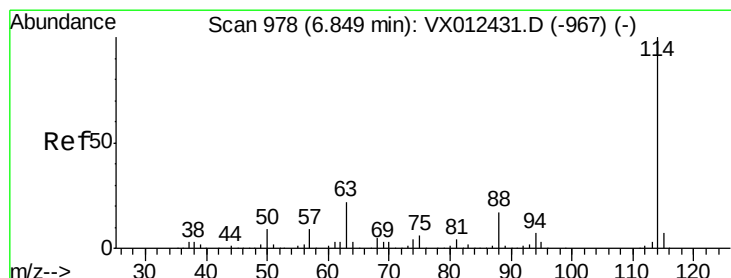
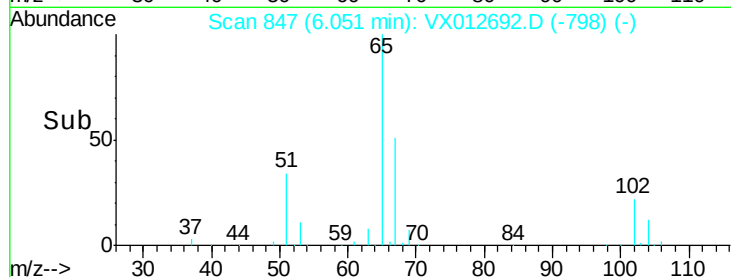
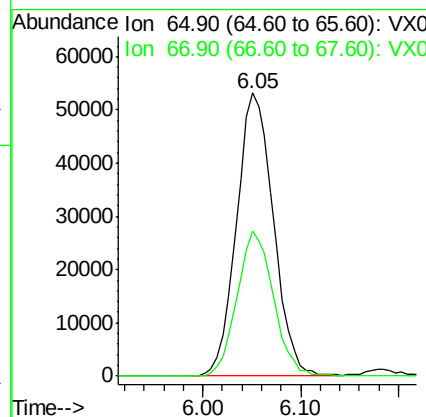
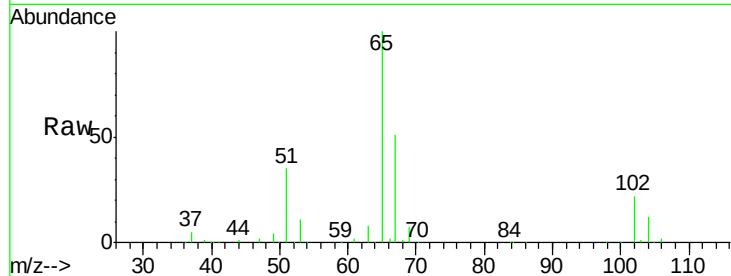
#33
 1,2-Dichloroethane-d4
 Concen: 52.164 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138983		
67	50.4	0.0	101.2	

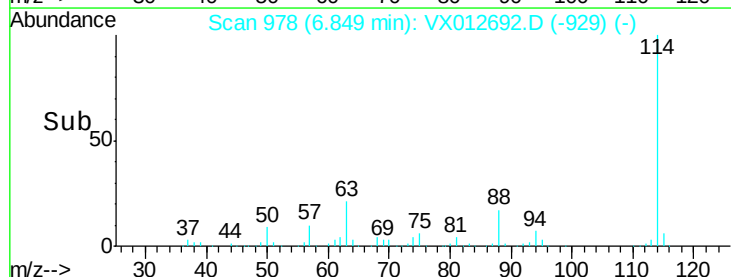
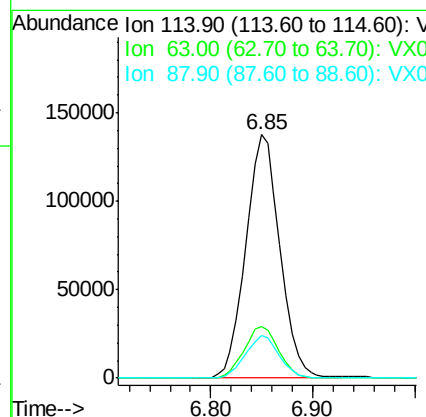
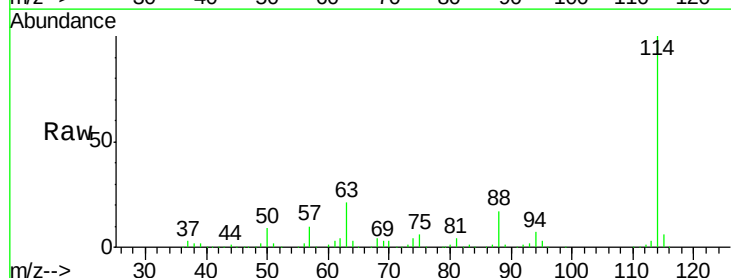
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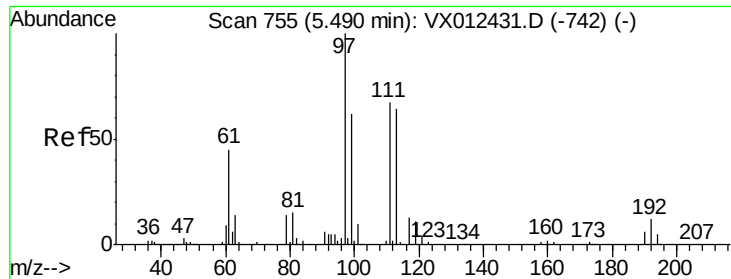
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	320806		
63	21.4	0.0	43.2	
88	17.3	0.0	33.2	





#35

Dibromofluoromethane

Concen: 54.480 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

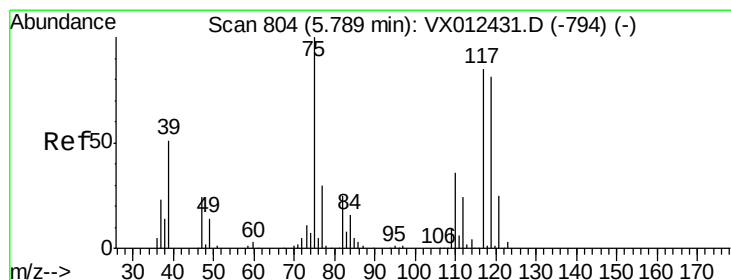
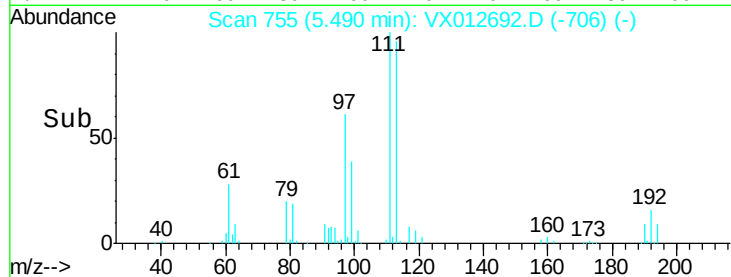
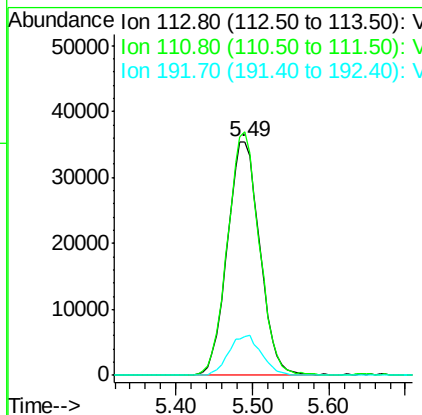
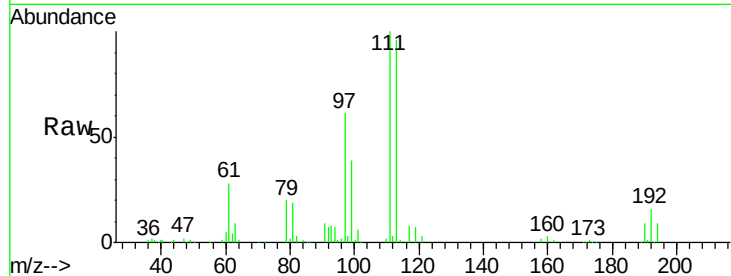
ClientSampleId :

VX0927WBSD01

Tot Ion:	113	Resp:	104086
Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.4	125.2
192	17.3	14.4	21.6

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#36

1,1-Dichloropropene

Concen: 20.233 ug/l

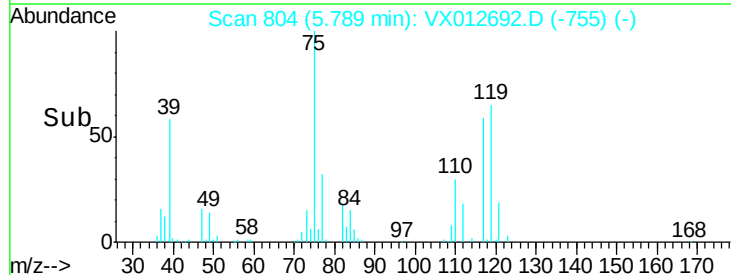
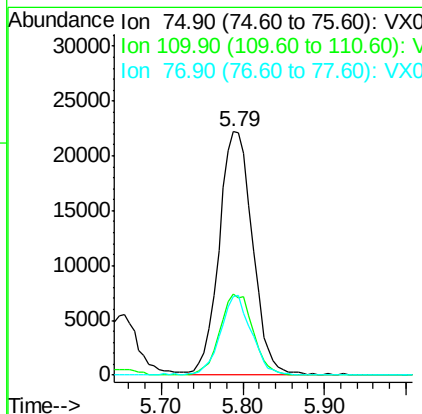
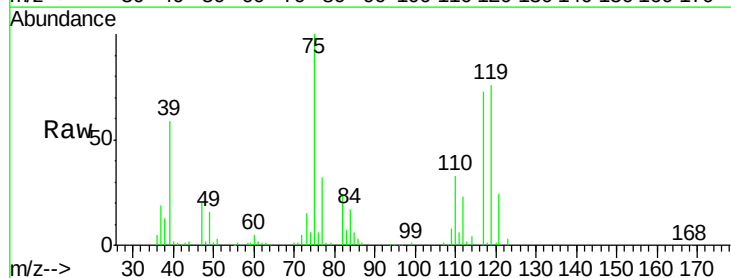
RT: 5.79 min Scan# 804

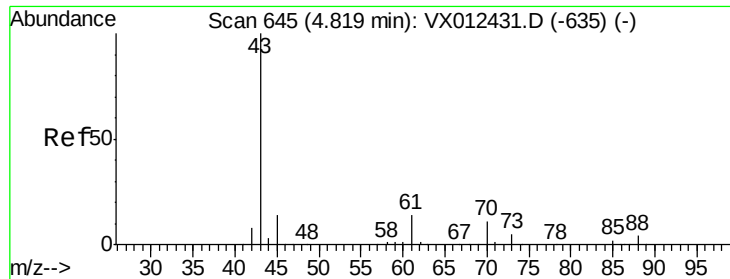
Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Tgt Ion:	75	Resp:	62565
Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.7	50.0
77	30.5	24.2	36.2





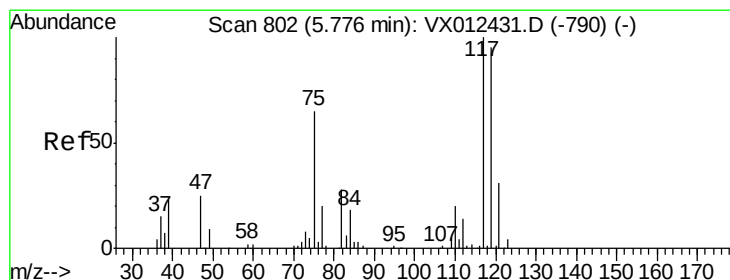
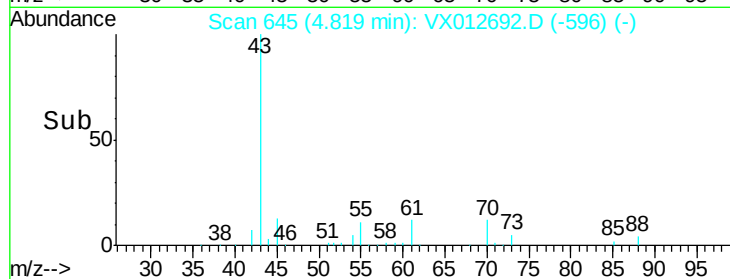
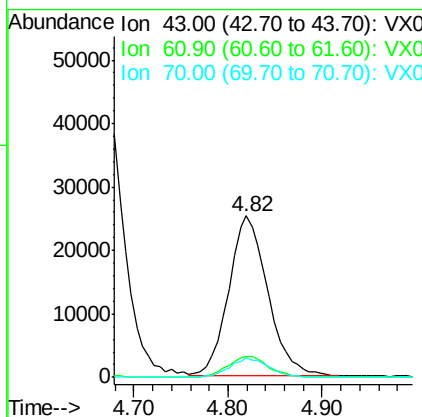
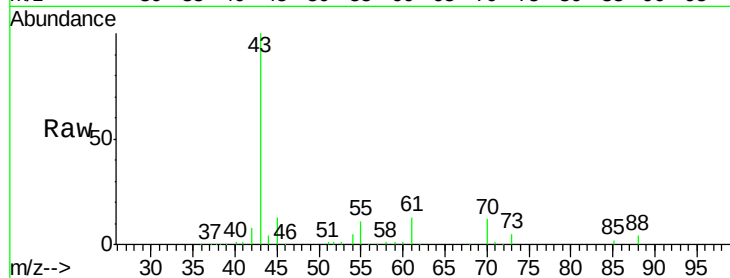
#37
Ethyl Acetate
Concen: 20.130 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.4
70	11.8	8.7	13.1

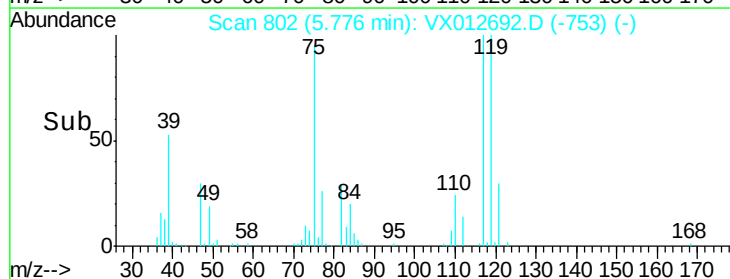
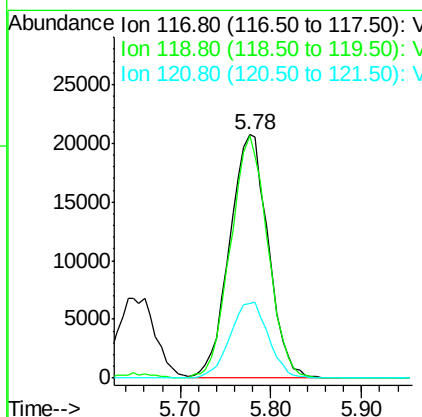
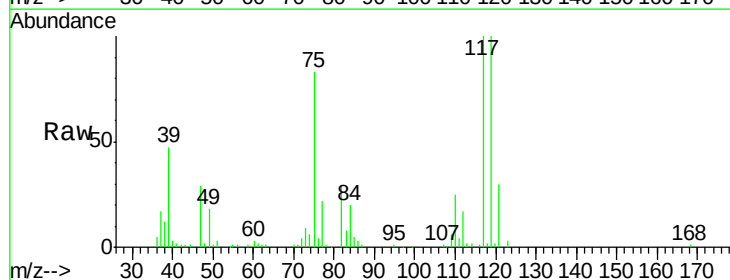
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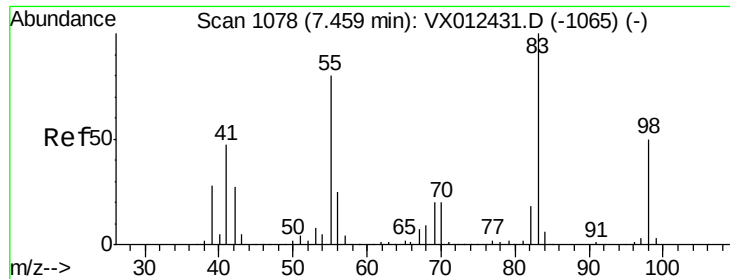
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#38
Carbon Tetrachloride
Concen: 19.518 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	75.7	113.5
121	30.5	24.2	36.4





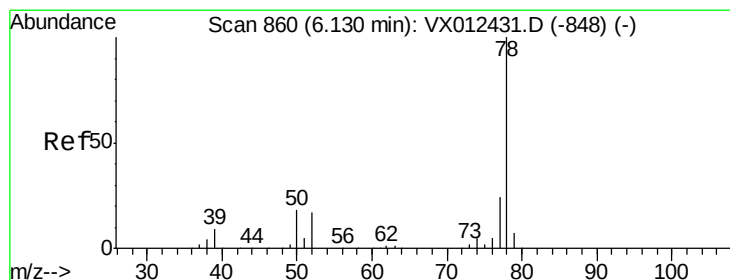
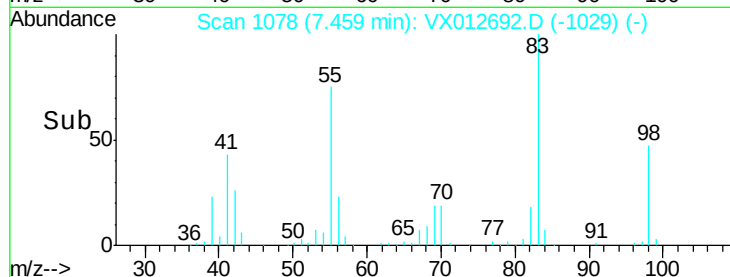
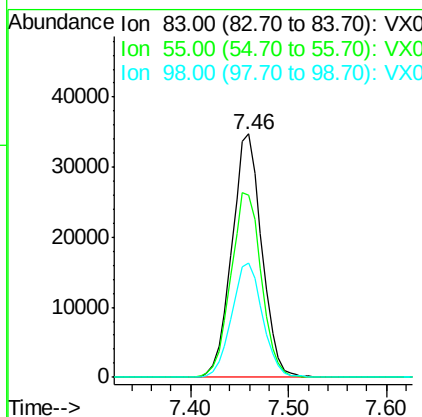
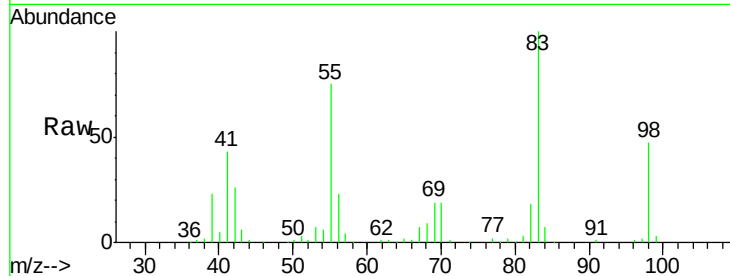
#39
Methylvlcyclohexane
Concen: 19.759 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.9		64.4	96.6
98	47.0		40.1	60.1

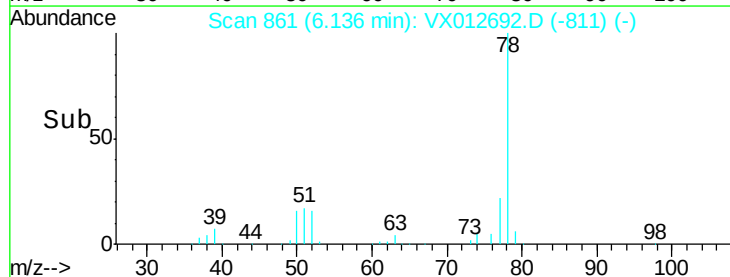
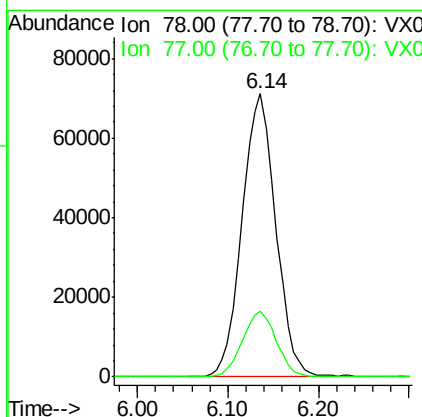
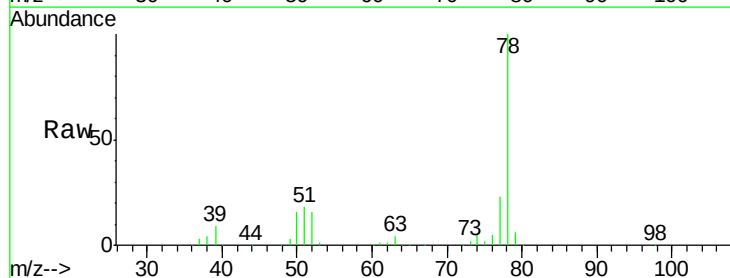
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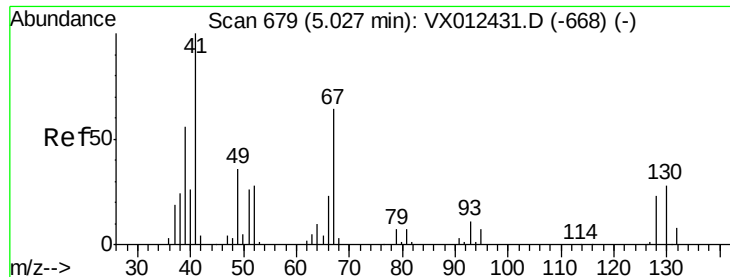
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#40
Benzene
Concen: 20.080 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3		19.2	28.8





#41

Methacrylonitrile

Concen: 20.566 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion: 41 Resp: 41714

Ion Ratio Lower Upper

41 100

39 52.4 46.0 69.0

67 67.9 52.2 78.2

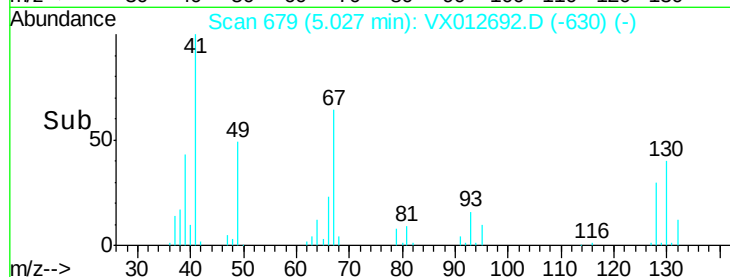
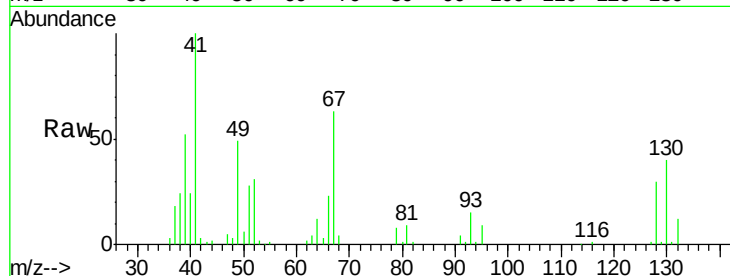
52 29.2 22.7 34.1

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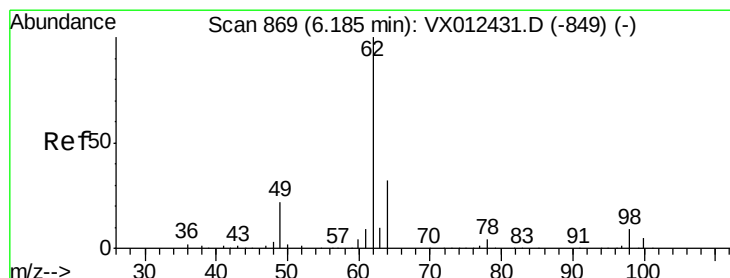
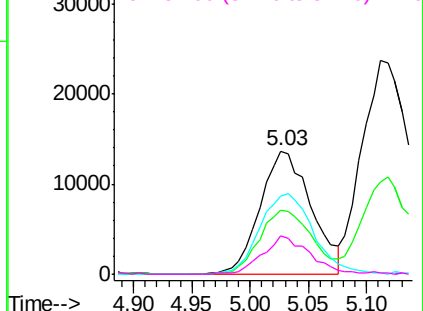


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.388 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012692.D

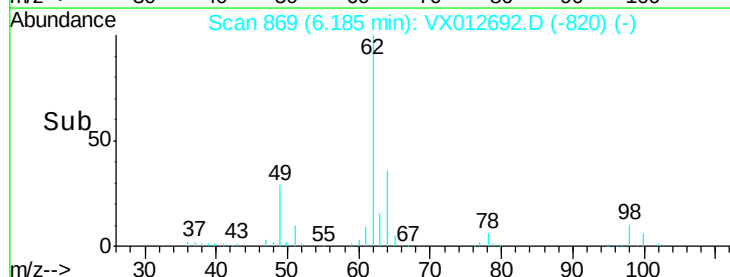
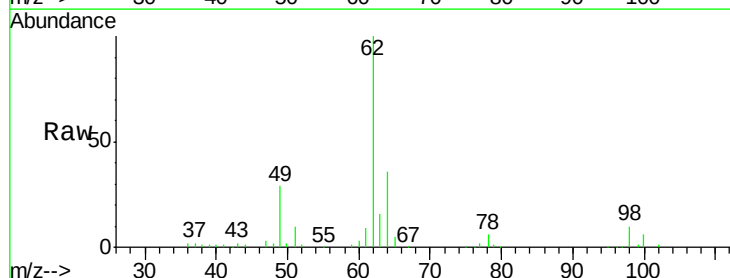
Acq: 27 Sep 2019 12:28

Tgt Ion: 62 Resp: 70438

Ion Ratio Lower Upper

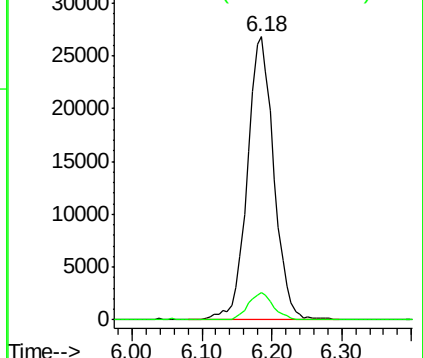
62 100

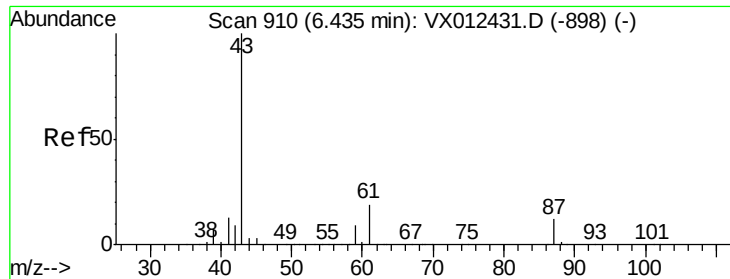
98 9.3 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

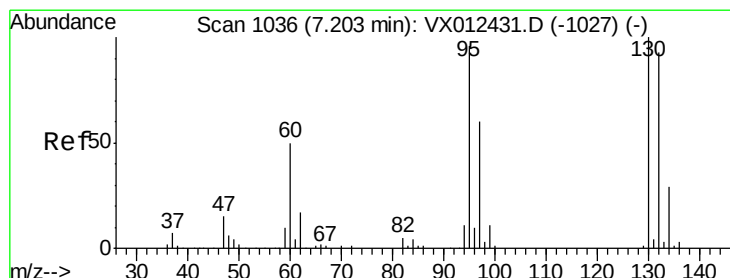
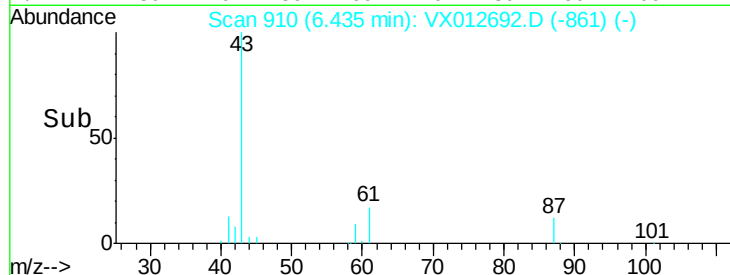
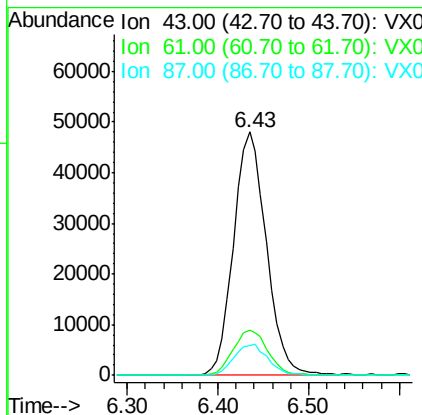
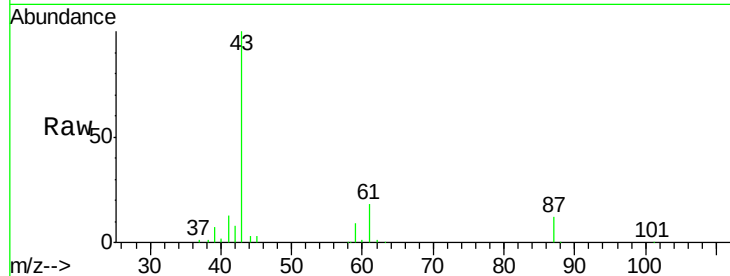
Isopropyl Acetate
 Concen: 20.028 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	13.1	9.8	14.8

Manual Integrations
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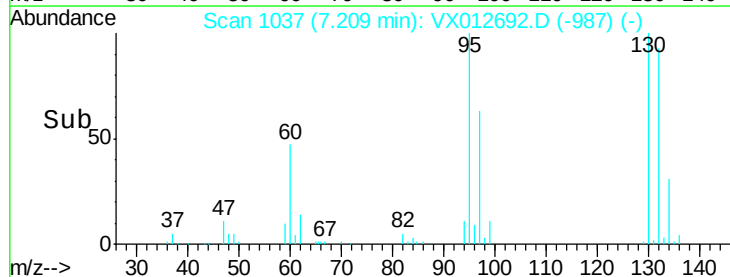
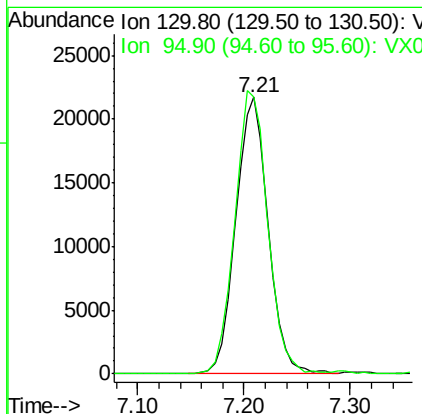
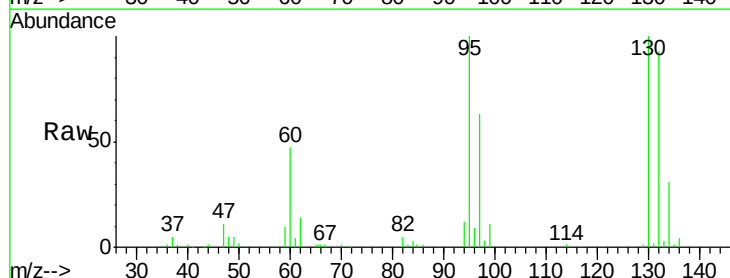
MMDadoda
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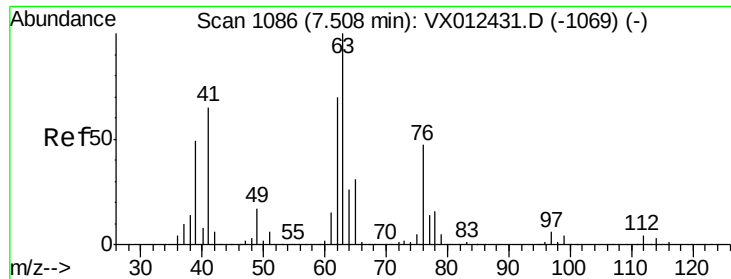


#44

Trichloroethene
 Concen: 19.948 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	193.0





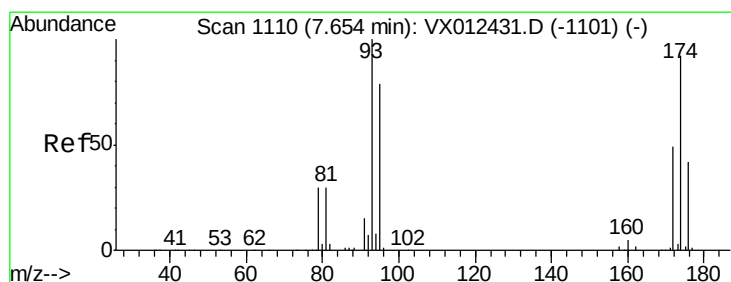
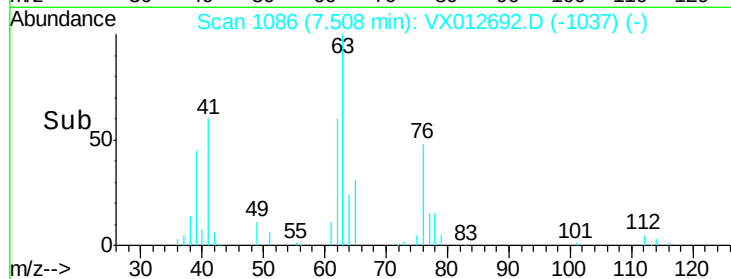
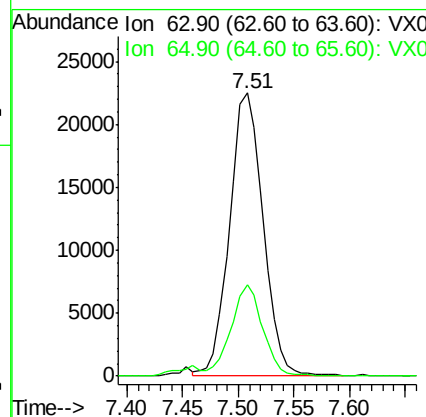
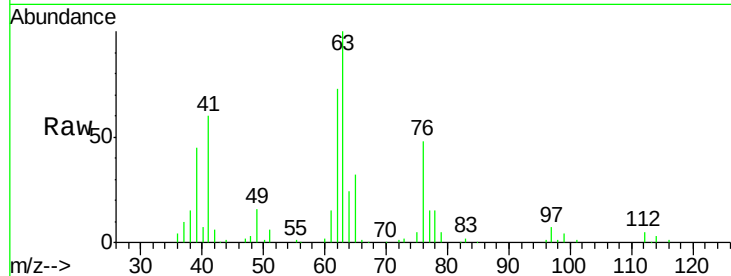
#45
 1,2-Dichloropropane
 Concen: 20.216 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampled :
 VX0927WBSD01

Tot Ion: 63 Resp: 47089
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.6

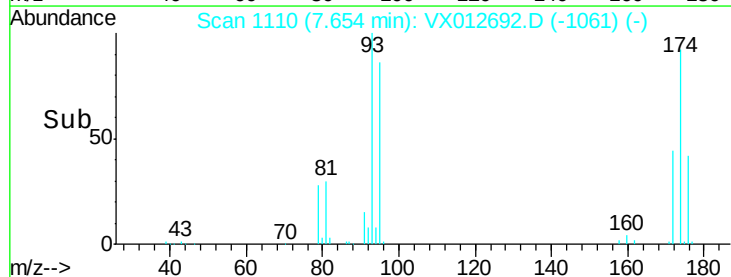
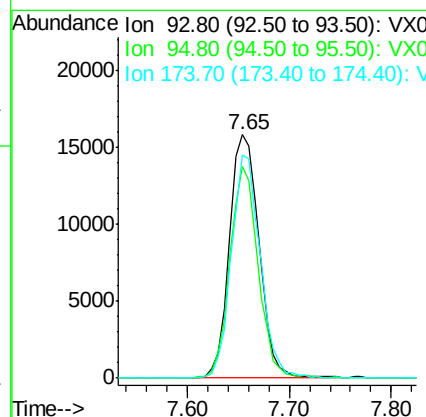
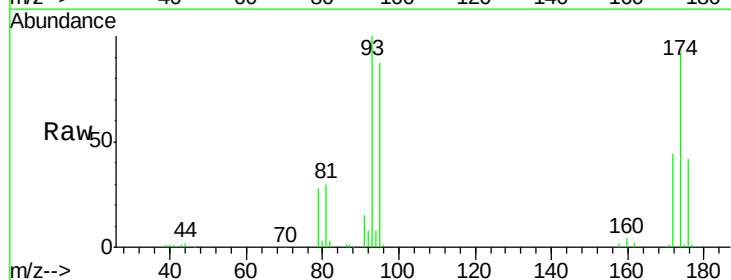
Manual Integrations
 APPROVED

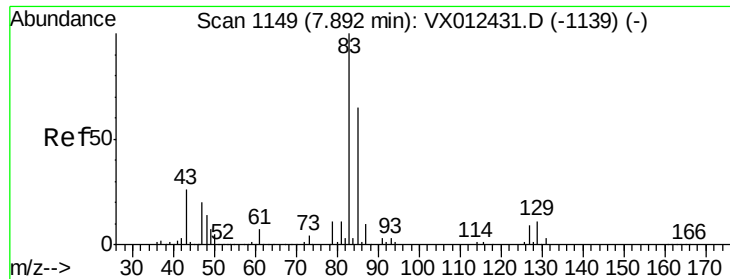
MMDadoda
 9/30/2019 8:23:41 AM



#46
 Dibromomethane
 Concen: 20.067 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Tgt Ion: 93 Resp: 31825
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.6 100.0
 174 88.9 77.4 116.0





#47

Bromodichloromethane

Concen: 19.525 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

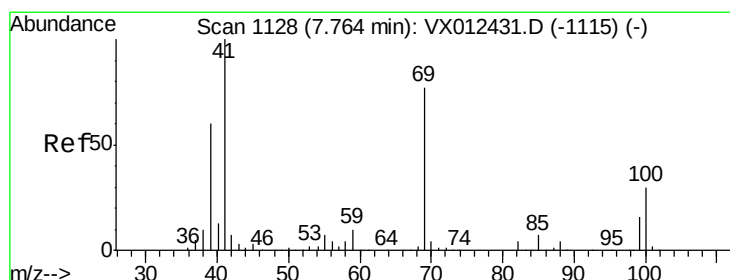
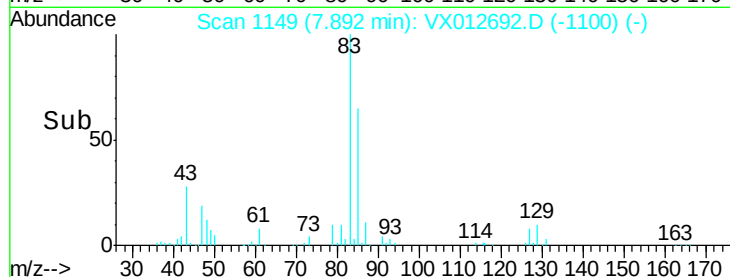
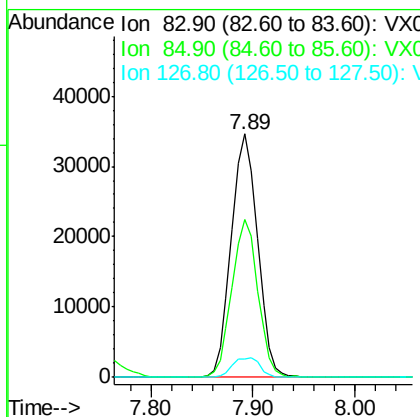
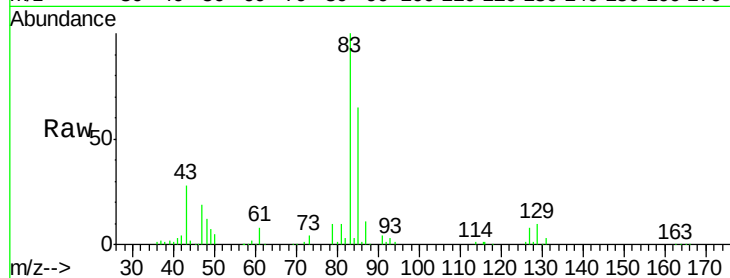
ClientSampleId :

VX0927WBSD01

Tot Ion:	83	Resp:	61889
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6
127	7.6	7.3	10.9

Manual Integrations
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MMDadoda
9/30/2019 8:23:41 AM



#48

Methyl methacrylate

Concen: 19.604 ug/l

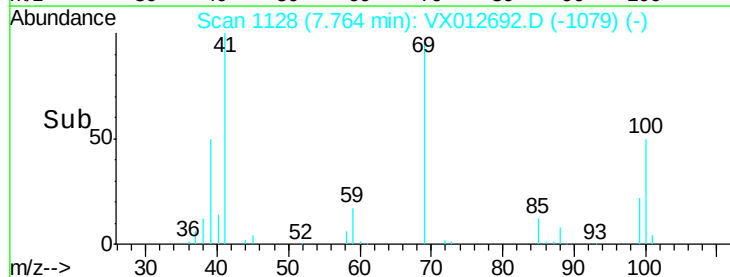
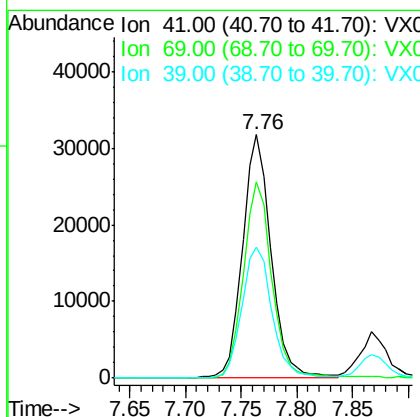
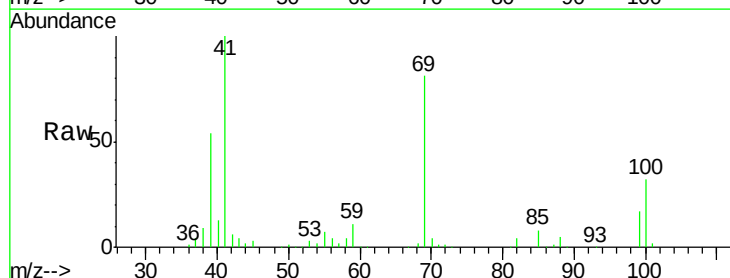
RT: 7.76 min Scan# 1128

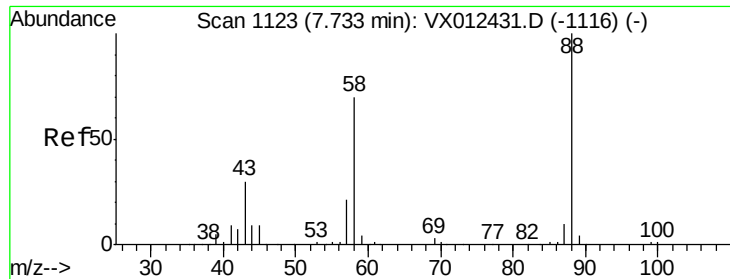
Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Tgt Ion:	41	Resp:	56829
Ion	Ratio	Lower	Upper
41	100		
69	79.7	59.9	89.9
39	56.8	47.8	71.6





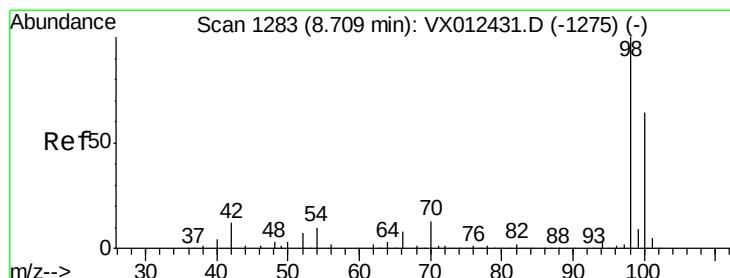
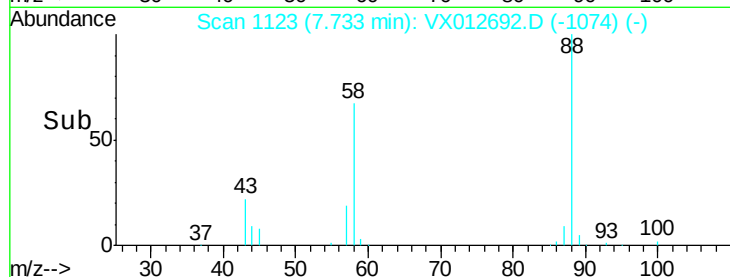
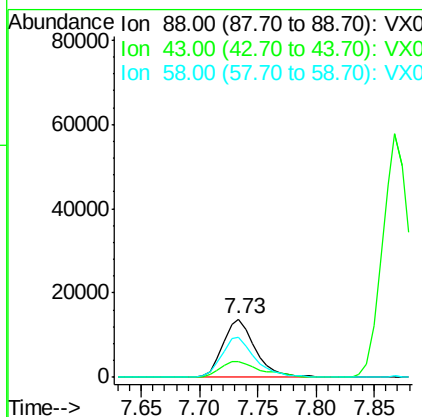
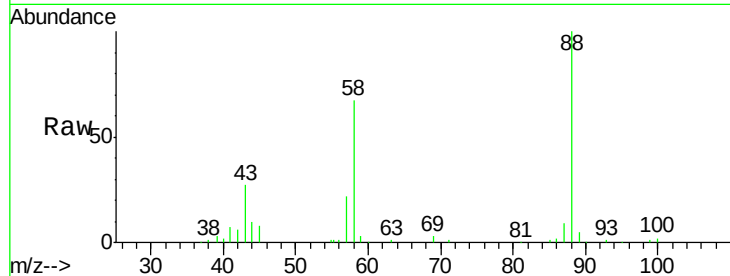
#49
1,4-Dioxane
Concen: 403.613 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	29.4	44.0
58	71.7	57.5	86.3

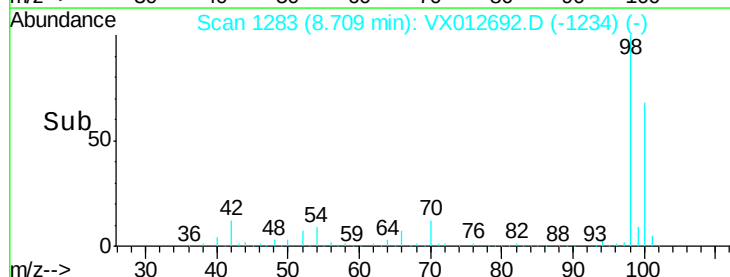
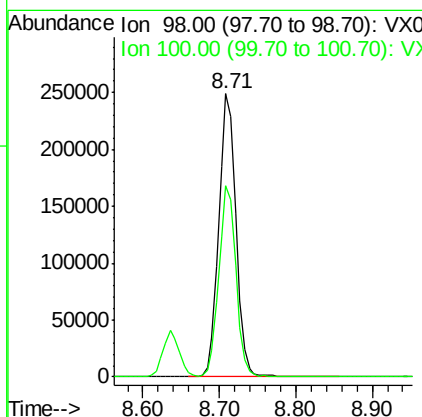
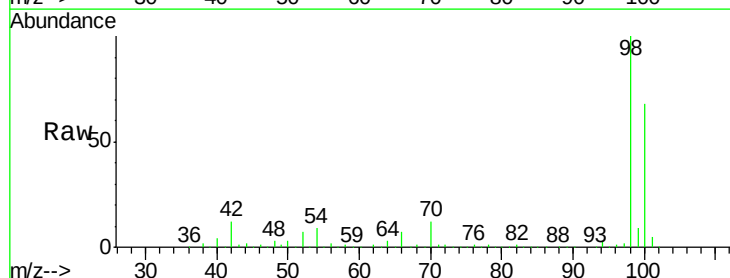
Manual Integrations
APPROVED

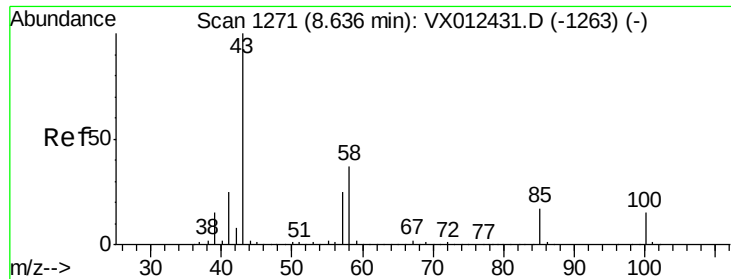
MMDadoda
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#50
Toluene-d8
Concen: 52.776 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 100.781 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion: 43 Resp: 376101

Ion Ratio Lower Upper

43 100

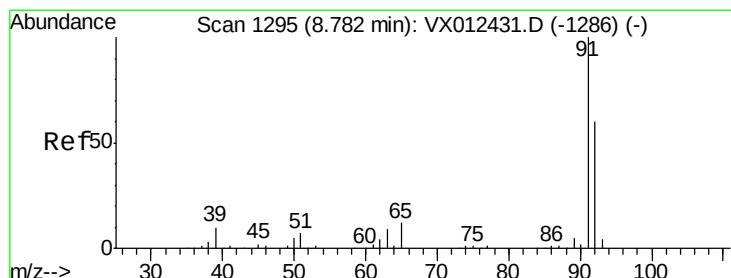
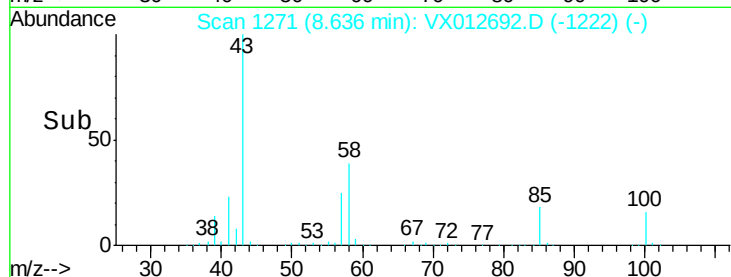
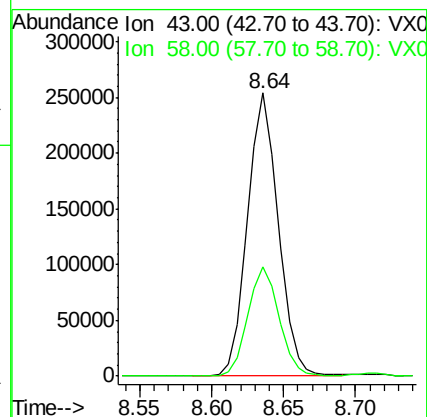
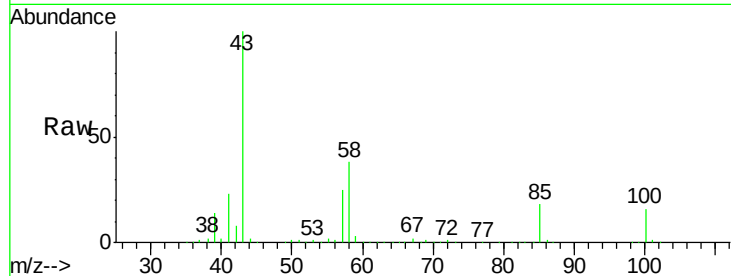
58 39.0 29.8 44.6

Manual Integrations

APPROVED

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#52

Toluene

Concen: 20.719 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012692.D

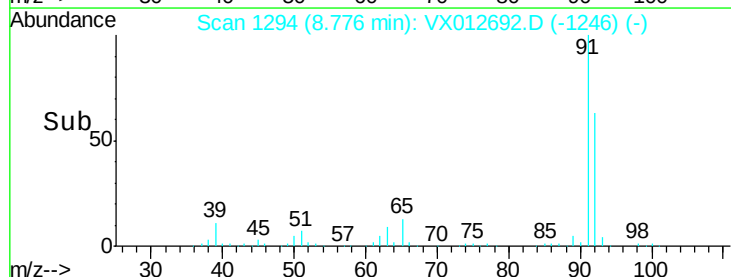
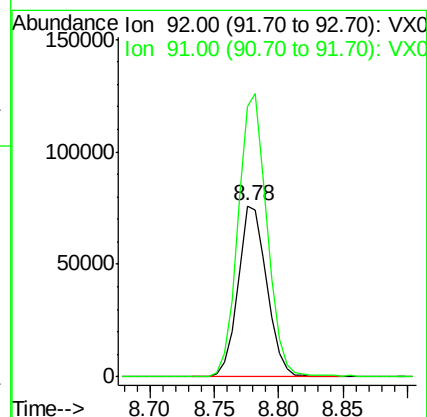
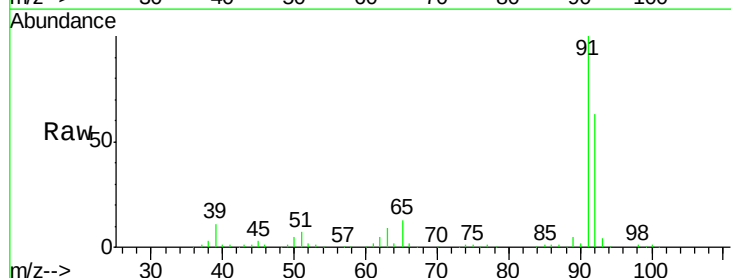
Acq: 27 Sep 2019 12:28

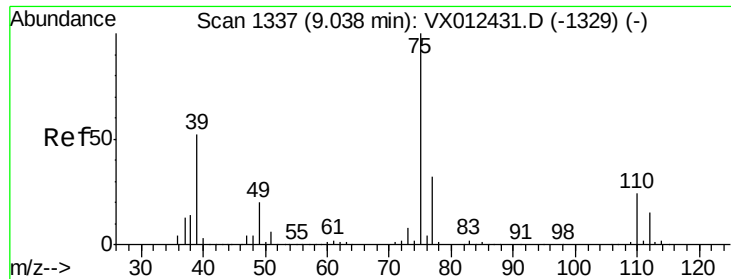
Tgt Ion: 92 Resp: 118475

Ion Ratio Lower Upper

92 100

91 165.6 135.4 203.0





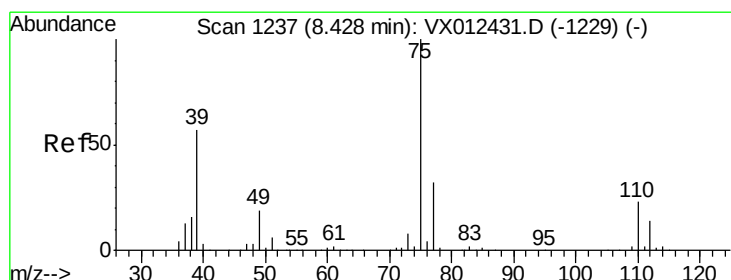
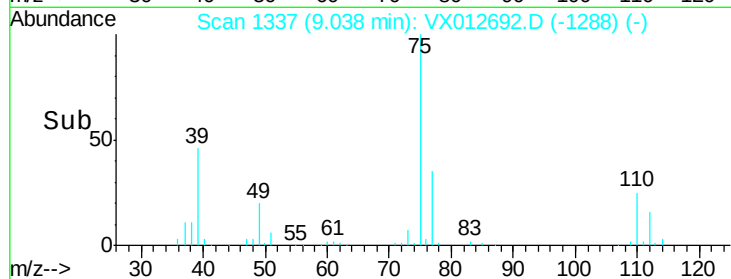
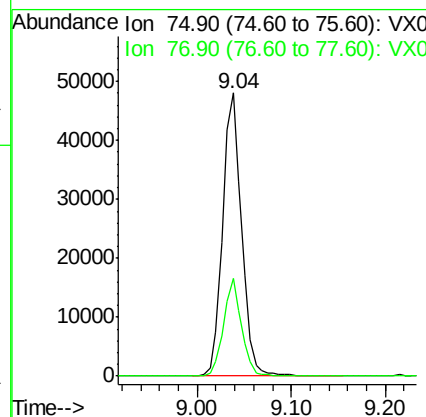
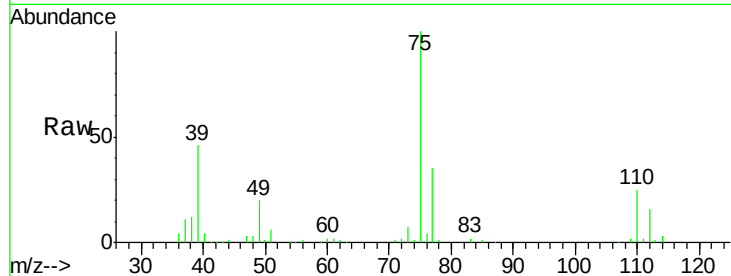
#53
t-1,3-Dichloropropene
Concen: 19.137 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion: 75 Resp: 67114
Ion Ratio Lower Upper
75 100
77 34.6 25.2 37.8

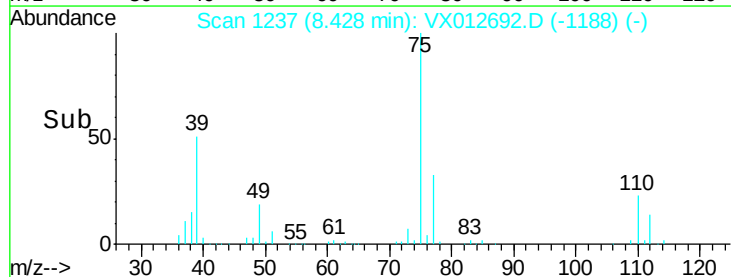
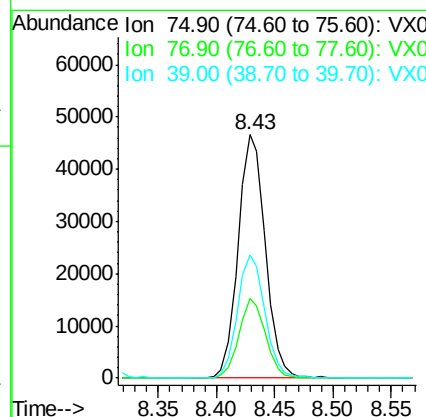
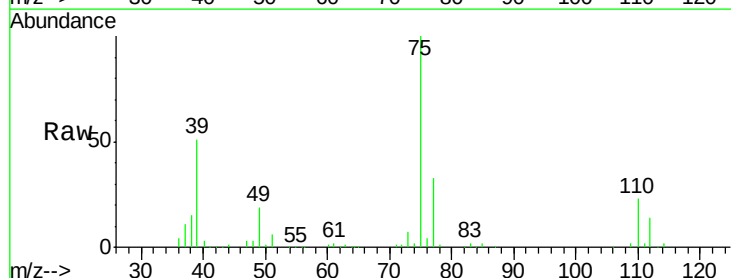
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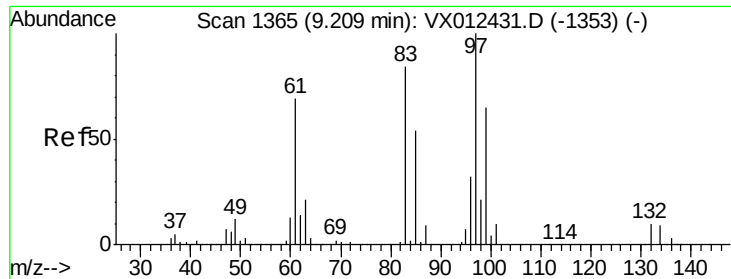
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.853 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion: 75 Resp: 76020
Ion Ratio Lower Upper
75 100
77 32.7 25.8 38.8
39 50.8 45.5 68.3





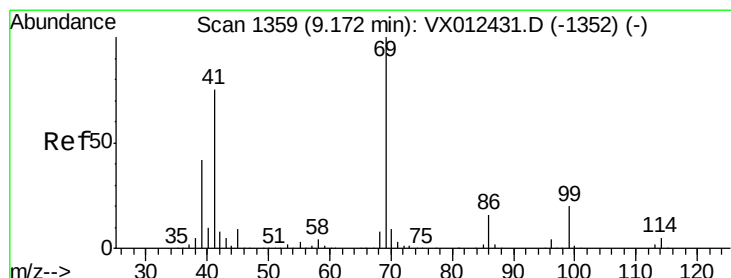
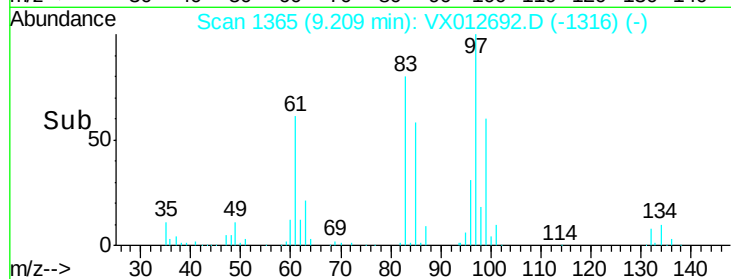
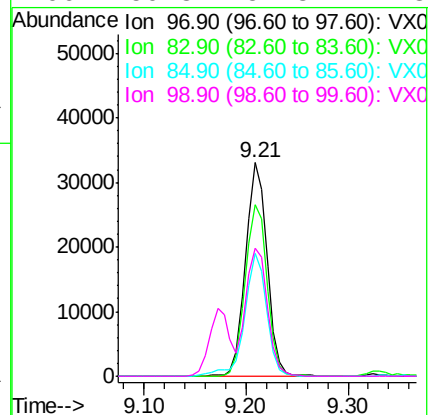
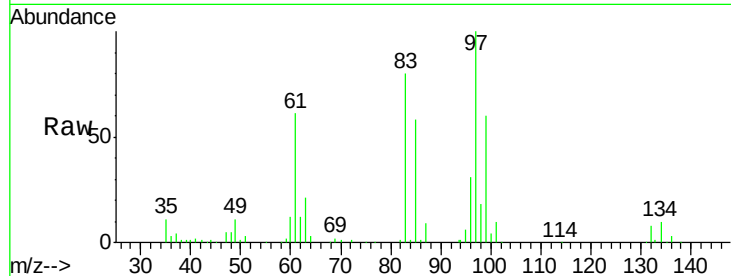
#55
 1,1,2-Trichloroethane
 Concen: 21.161 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBSD01

Tot Ion:	97	Resp:	48107
Ion	Ratio	Lower	Upper
97	100		
83	80.2	67.4	101.2
85	57.6	43.5	65.3
99	59.8	51.8	77.8

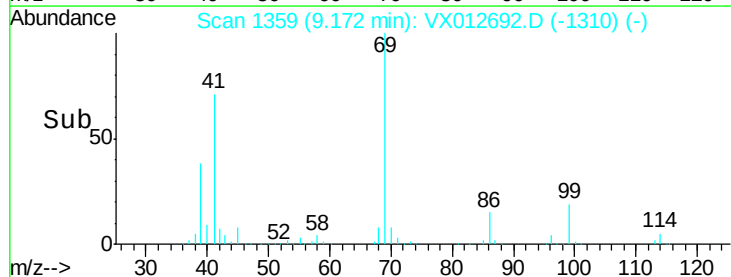
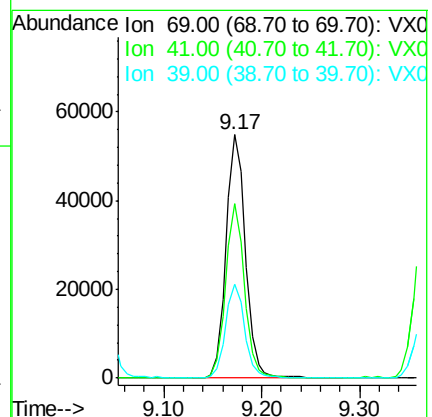
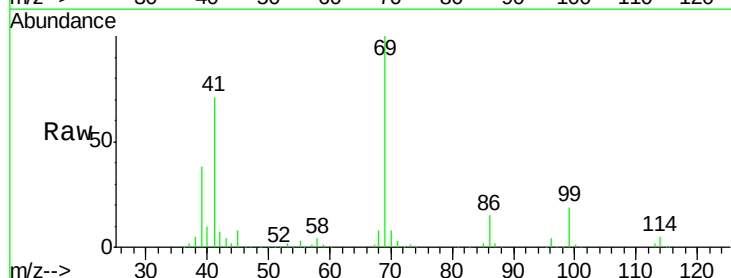
Manual Integrations
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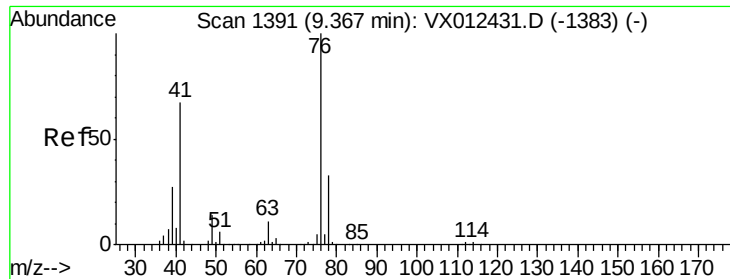
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#56
 Ethyl methacrylate
 Concen: 19.862 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Tgt Ion:	69	Resp:	75859
Ion	Ratio	Lower	Upper
69	100		
41	70.0	58.4	87.6
39	38.8	33.4	50.0





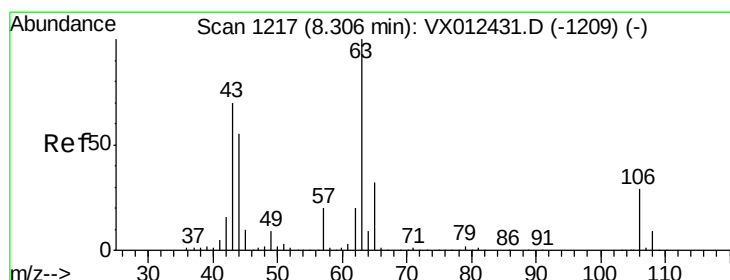
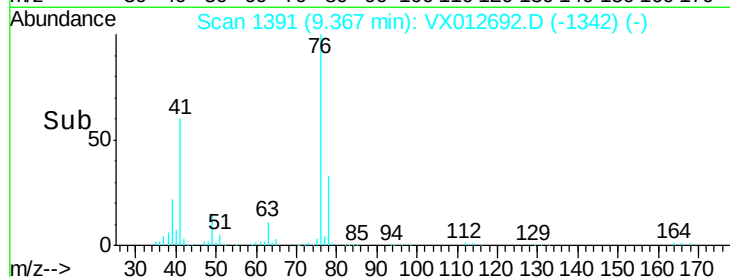
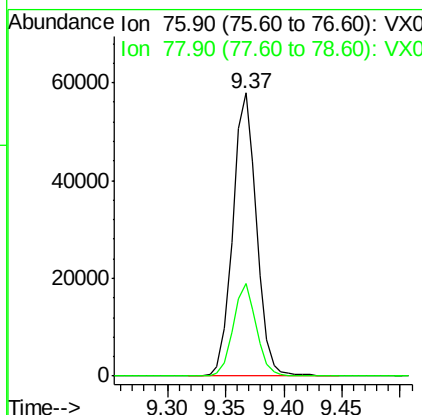
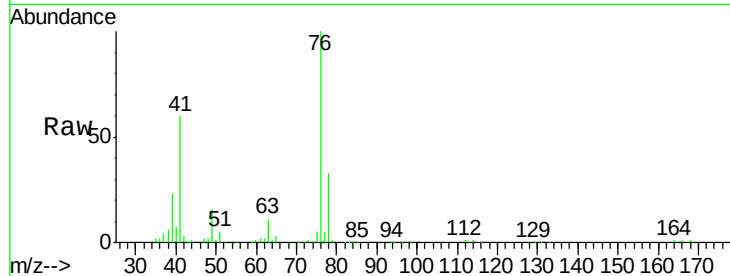
#57
 1,3-Dichloropropane
 Concen: 20.674 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBSD01

Tot Ion: 76 Resp: 82258
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.2 39.2

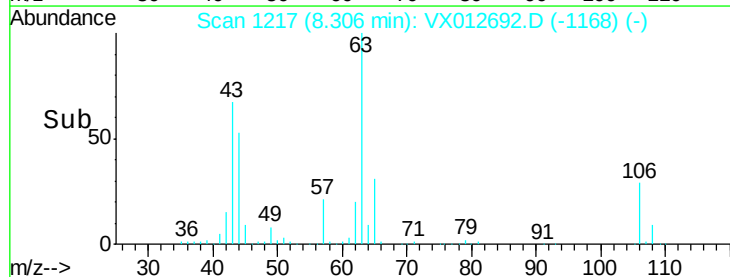
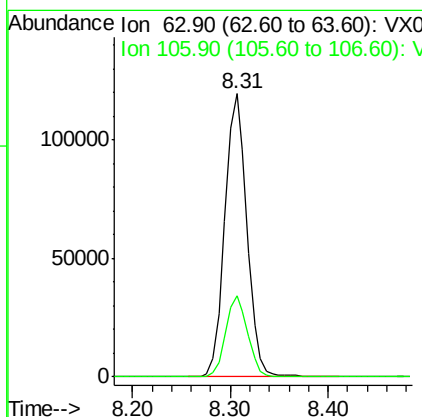
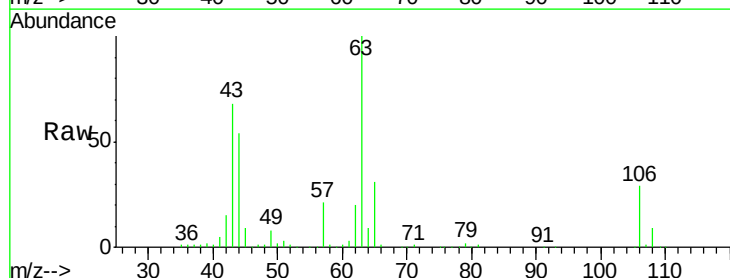
Manual Integrations
 APPROVED

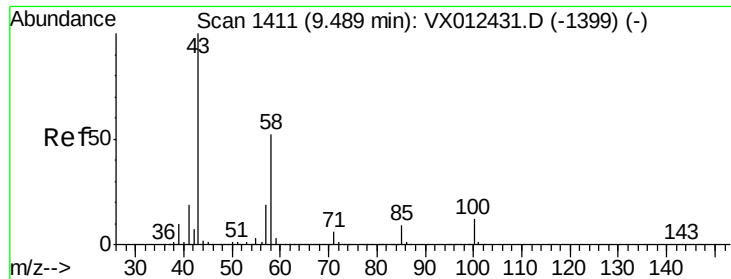
MMDadoda
 9/30/2019 8:23:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.394 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Tgt Ion: 63 Resp: 187547
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.8 35.6





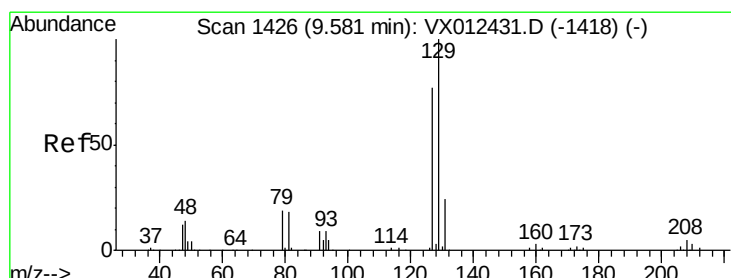
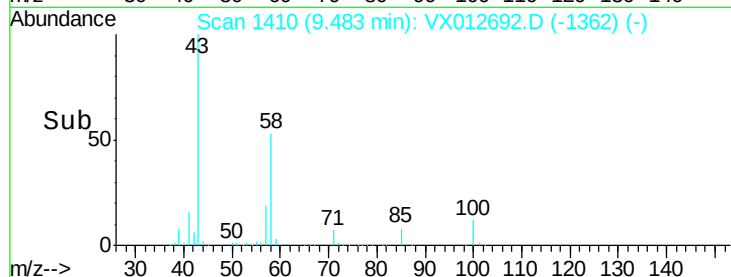
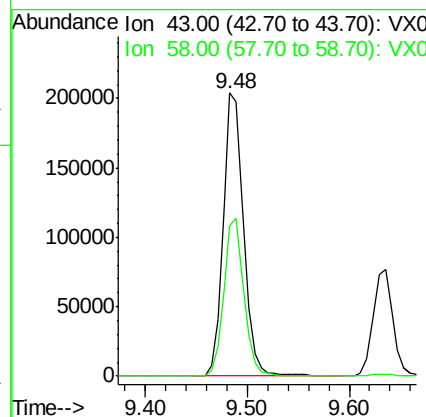
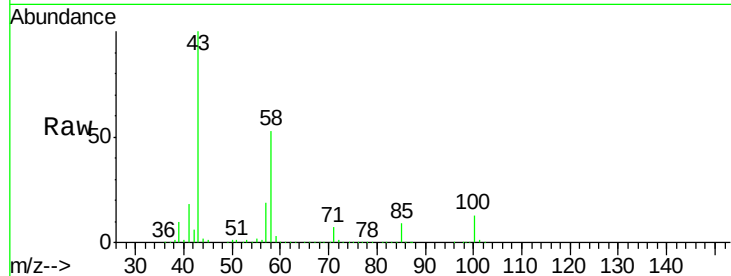
#59
2-Hexanone
Concen: 100.070 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion: 43 Resp: 285853
Ion Ratio Lower Upper
43 100
58 55.4 25.7 77.1

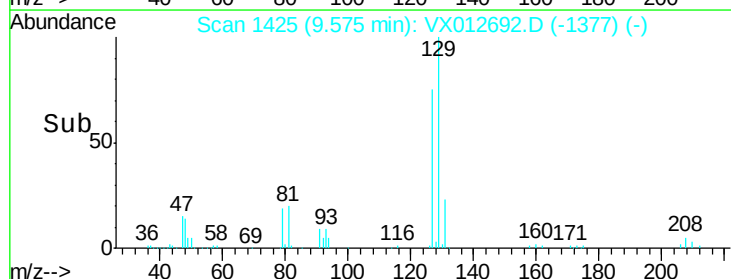
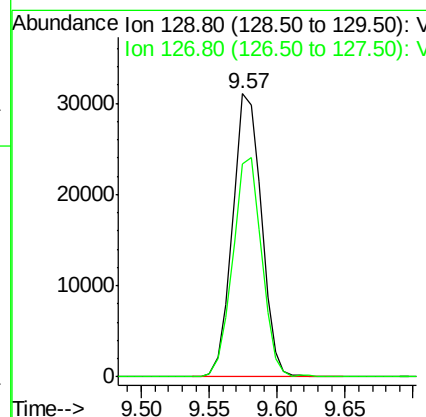
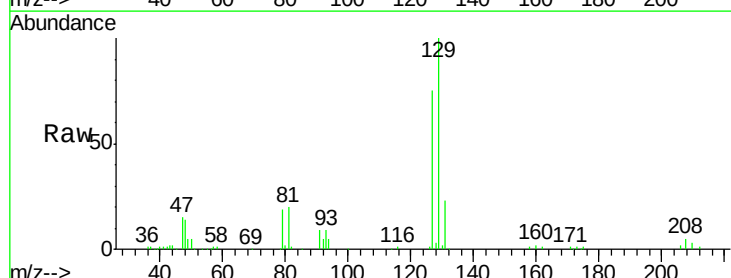
Manual Integrations
APPROVED

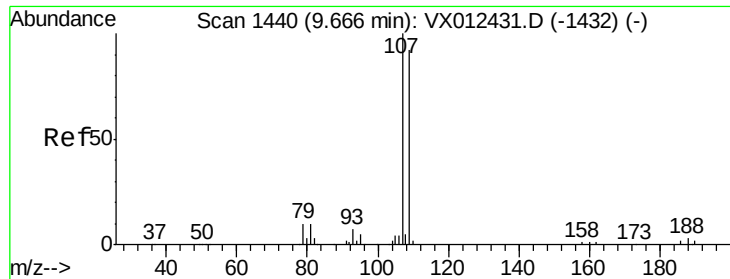
MMDadoda
9/30/2019 8:23:41 AM



#60
Dibromochloromethane
Concen: 19.873 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion: 129 Resp: 45736
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.611 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion:107 Resp: 48767

Ion Ratio Lower Upper

107 100

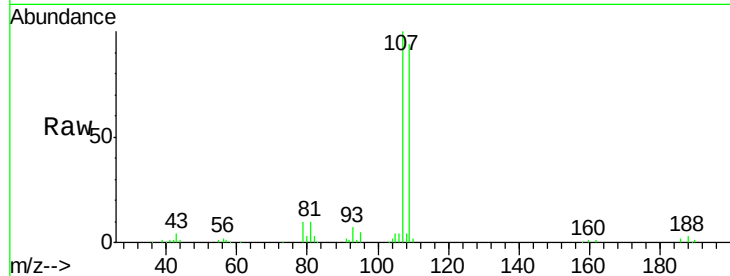
109 93.5 74.7 112.1

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

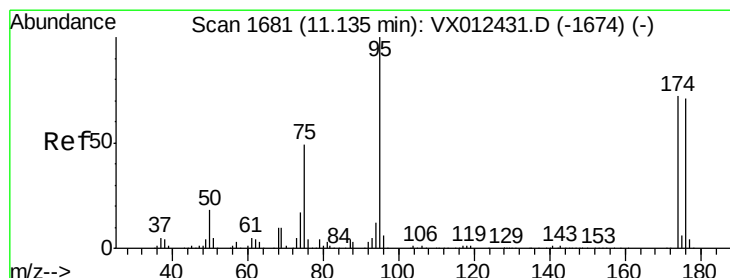
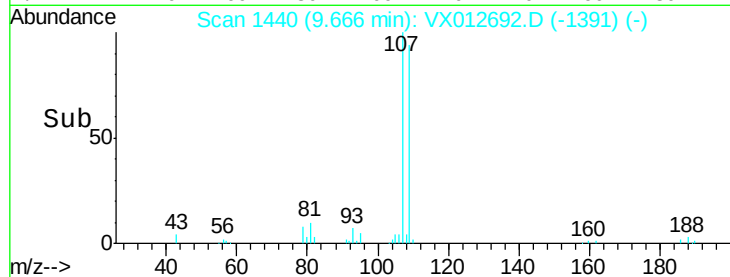
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 52.571 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

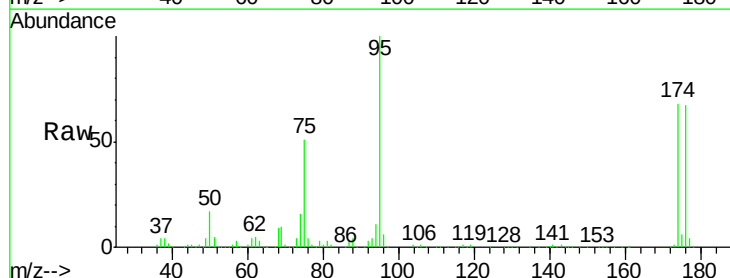
Tgt Ion: 95 Resp: 152089

Ion Ratio Lower Upper

95 100

174 65.7 0.0 140.0

176 64.6 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

150000

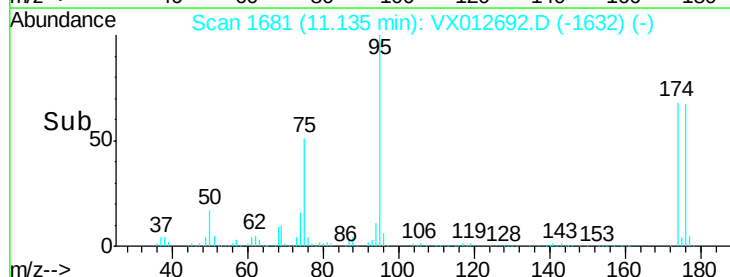
100000

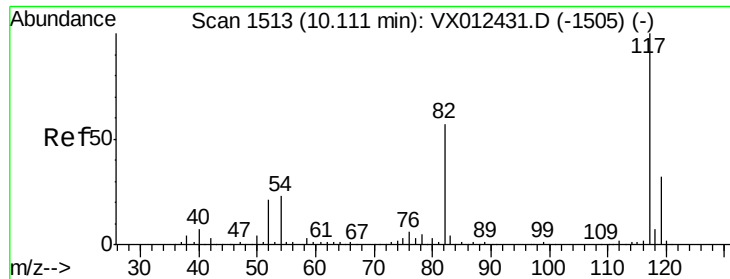
50000

0

11.05 11.10 11.15 11.20

Time-->





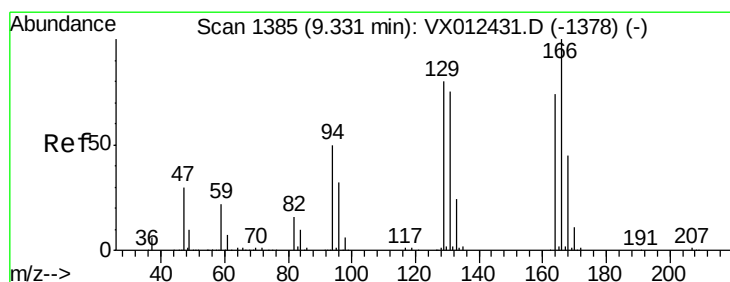
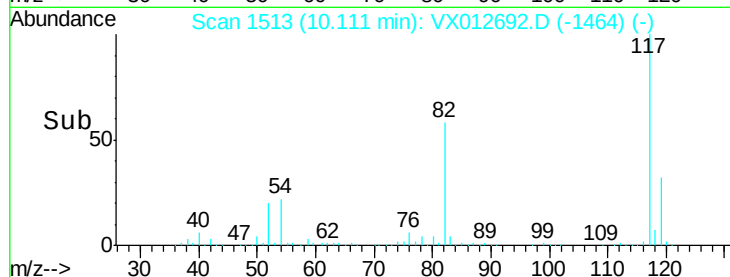
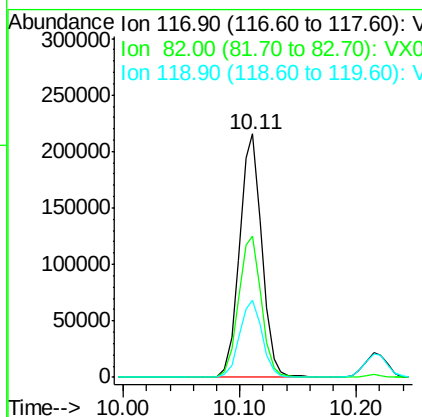
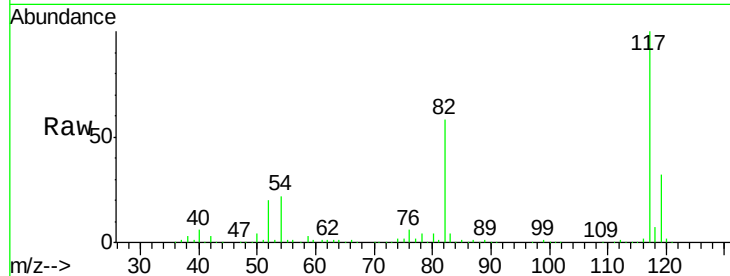
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.9	68.9
119	31.9	25.3	37.9

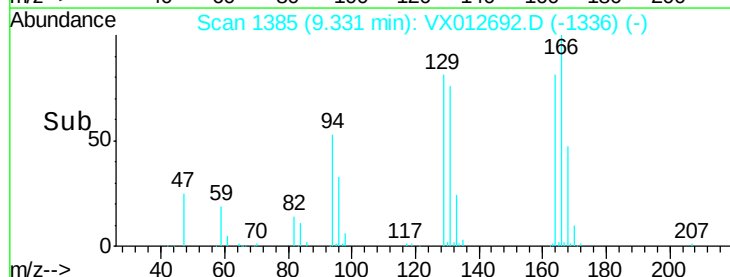
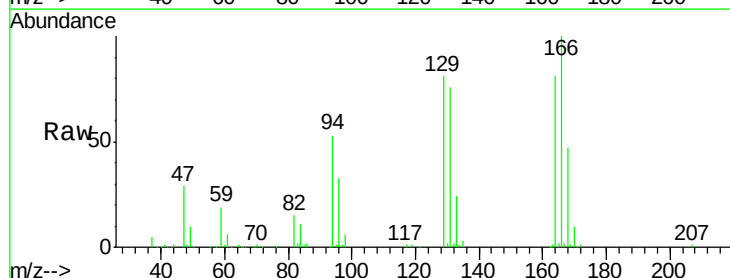
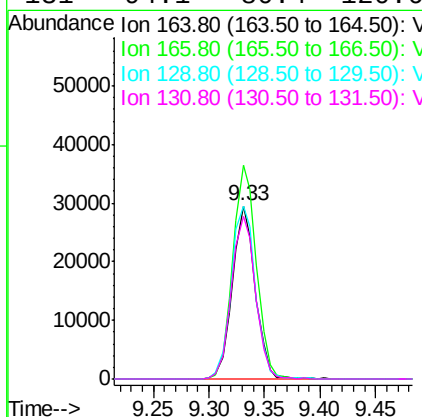
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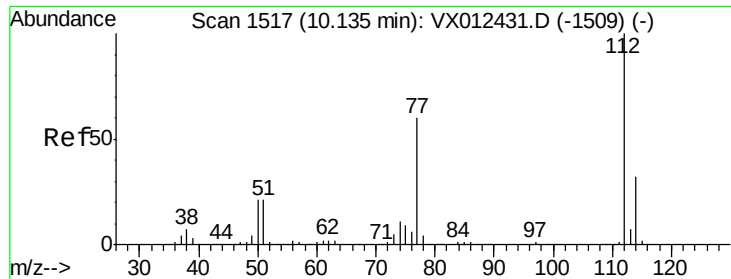
MMDadoda
9/30/2019 8:23:41 AM



#64
Tetrachloroethene
Concen: 20.978 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.3	107.8	161.6
129	99.6	86.2	129.2
131	94.1	80.4	120.6





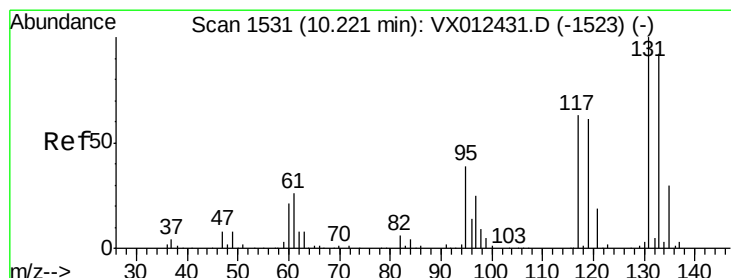
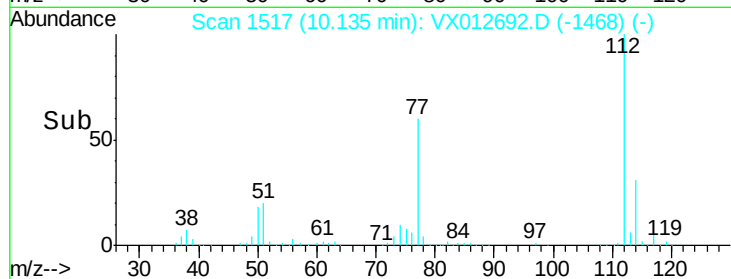
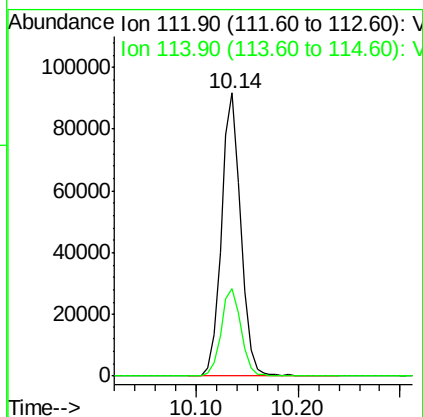
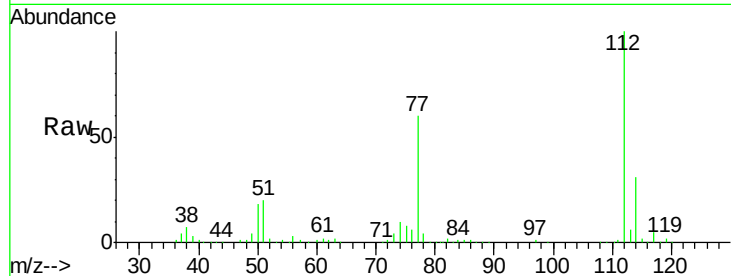
#65
Chlorobenzene
Concen: 20.118 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.4	38.0

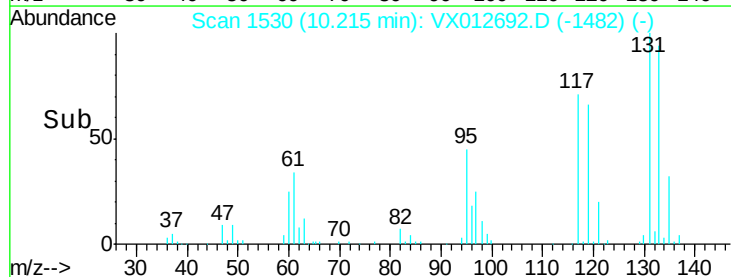
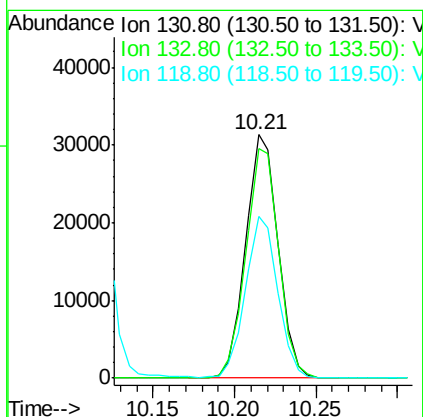
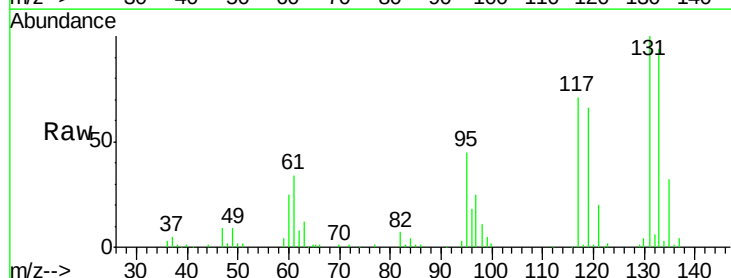
Manual Integrations
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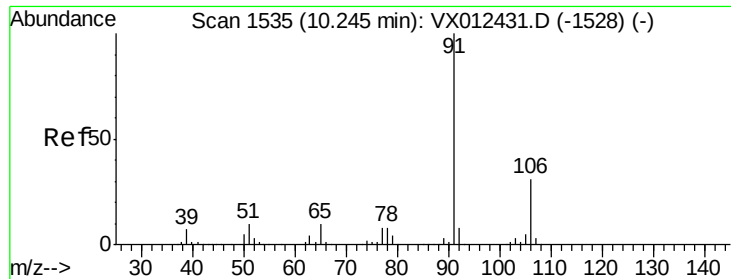
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.885 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.6	142.9
119	66.3	31.3	93.8





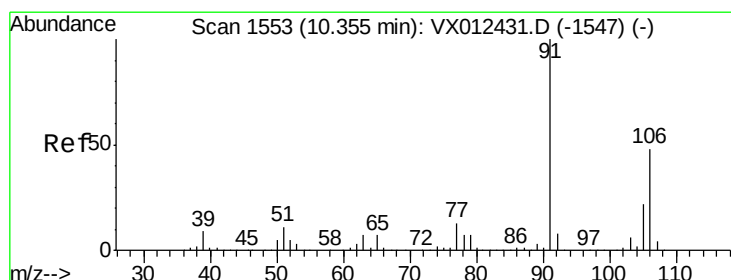
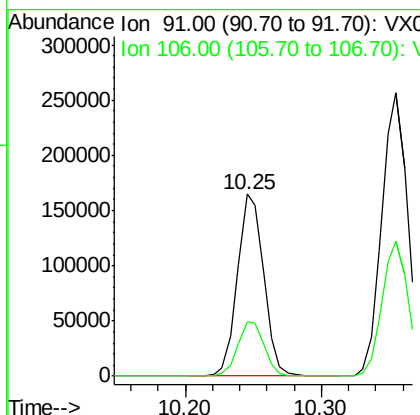
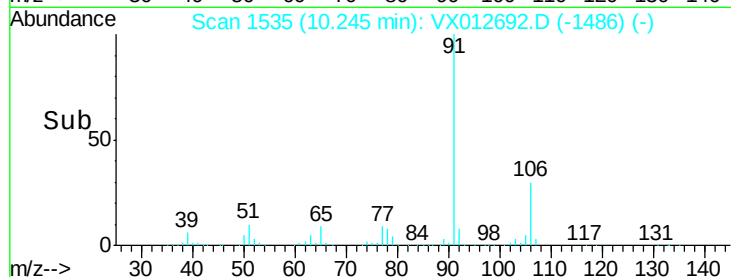
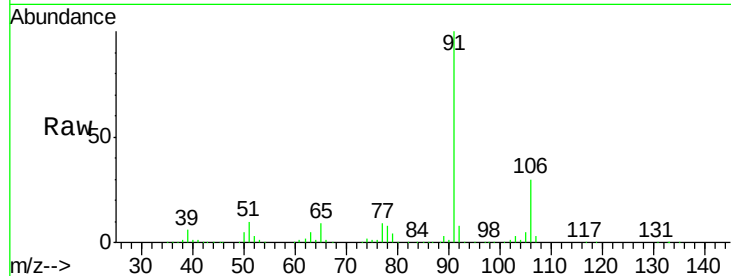
#67
Ethyl Benzene
Concen: 20.322 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion: 91 Resp: 222102
Ion Ratio Lower Upper
91 100
106 29.7 24.6 37.0

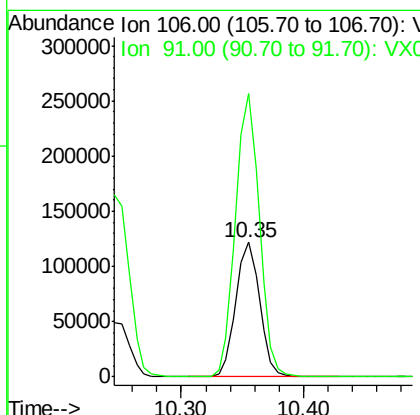
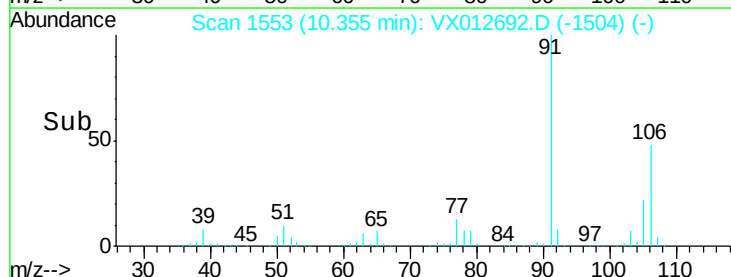
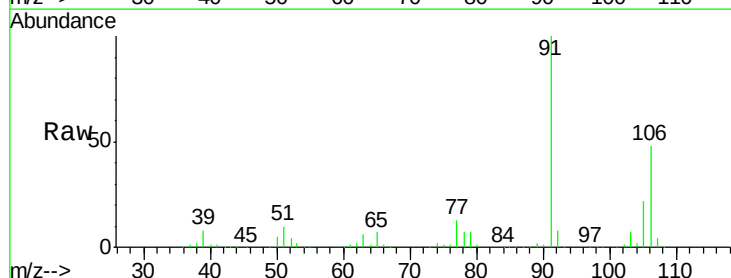
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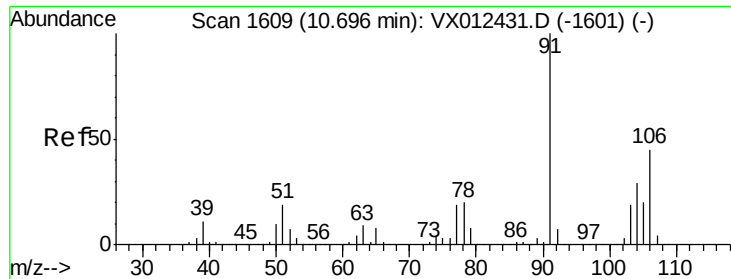
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#68
m/p-Xylenes
Concen: 40.354 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion: 106 Resp: 165215
Ion Ratio Lower Upper
106 100
91 209.3 166.6 250.0





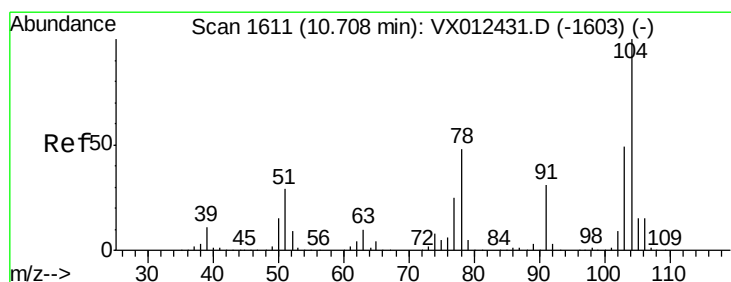
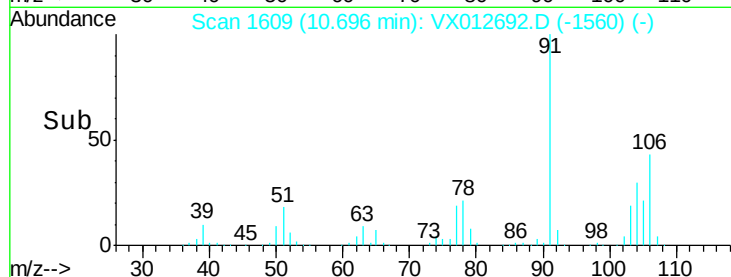
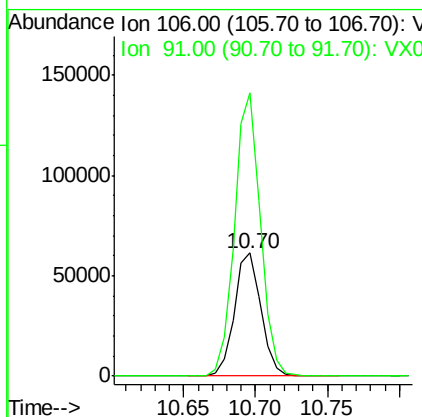
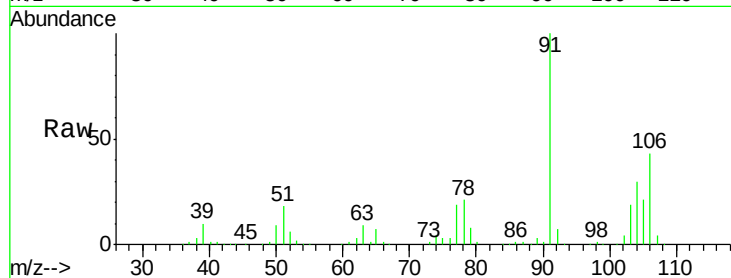
#69
o-Xylene
Concen: 19.965 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion:106 Resp: 79091
Ion Ratio Lower Upper
106 100
91 224.1 109.4 328.2

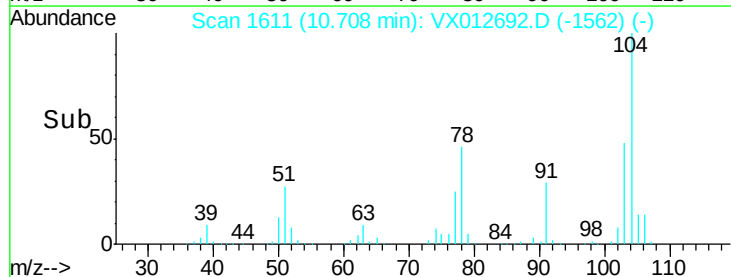
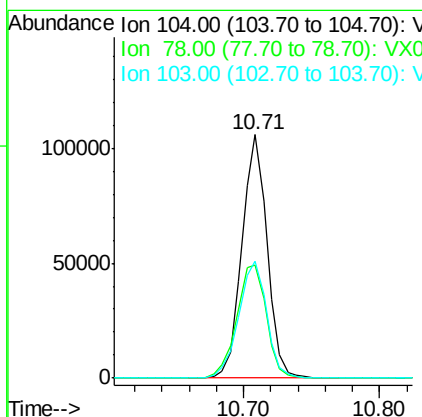
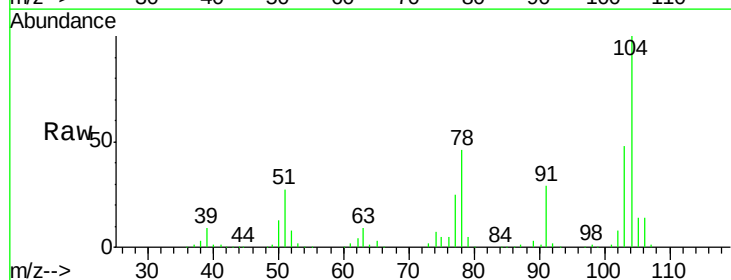
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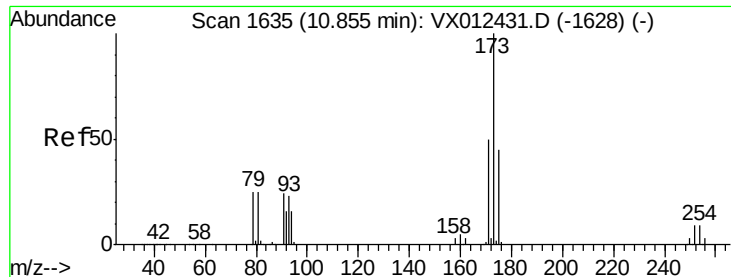
MMDadoda
9/30/2019 8:23:41 AM



#70
Styrene
Concen: 20.565 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion:104 Resp: 136579
Ion Ratio Lower Upper
104 100
78 54.8 43.4 65.2
103 53.3 43.3 64.9





#71

Bromoform

Concen: 19.144 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

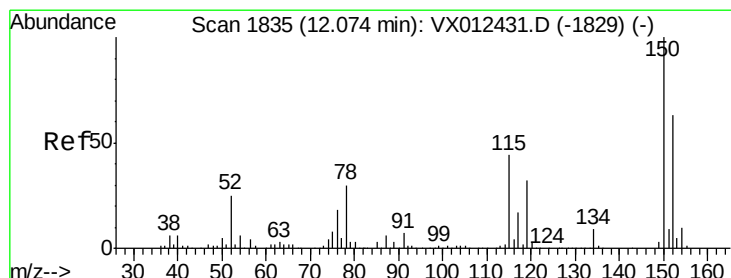
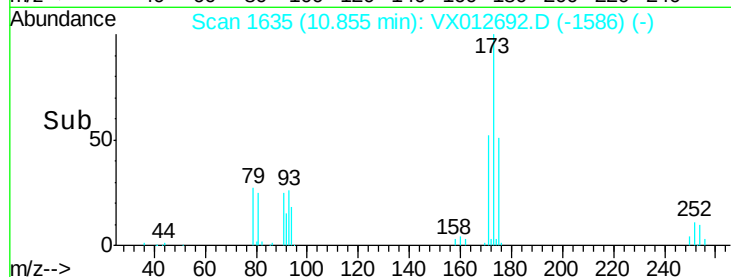
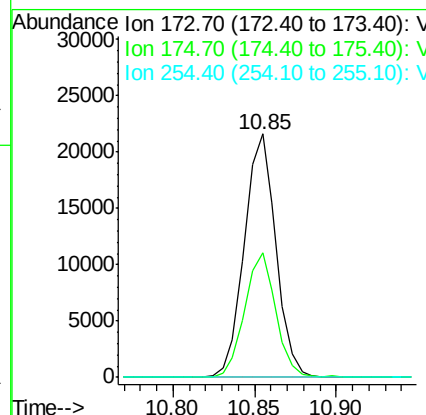
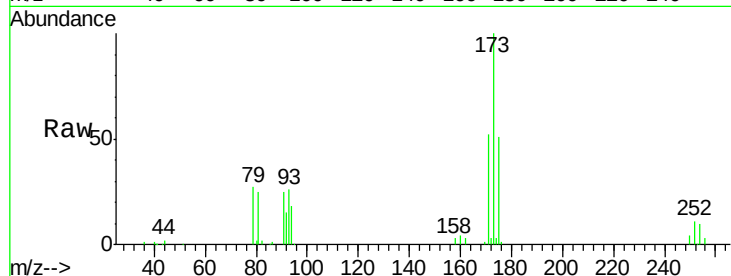
ClientSampleId :

VX0927WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	23.7	71.1
254	0.0	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

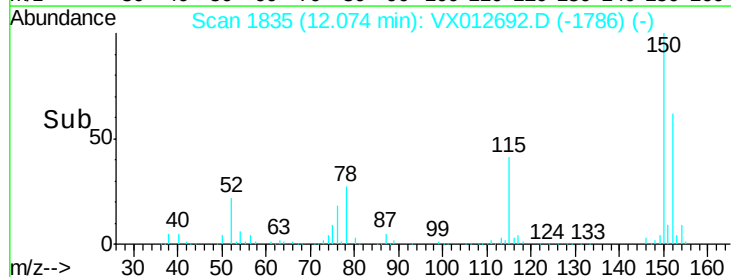
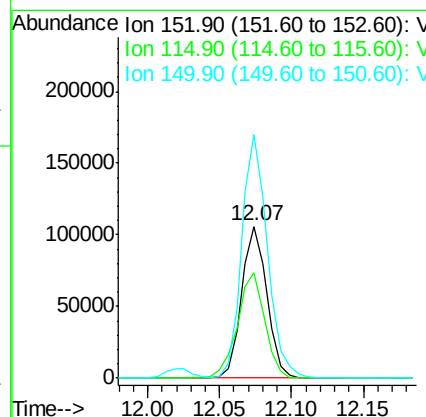
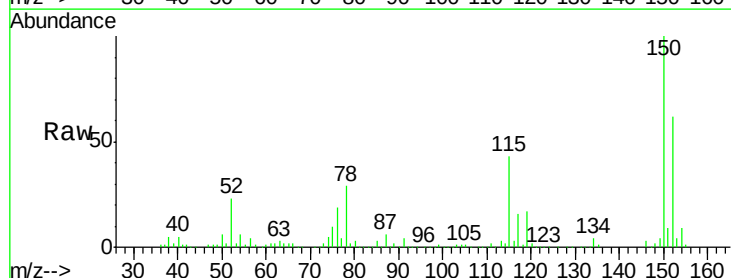
RT: 12.07 min Scan# 1835

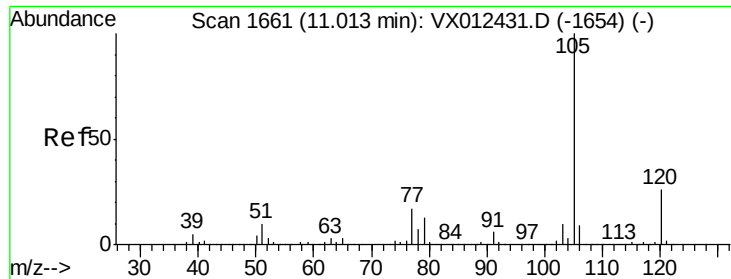
Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.8	44.1	132.3
150	163.7	0.0	343.8





#73

Isopropylbenzene

Concen: 20.820 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion: 105 Resp: 218201

Ion Ratio Lower Upper

105 100

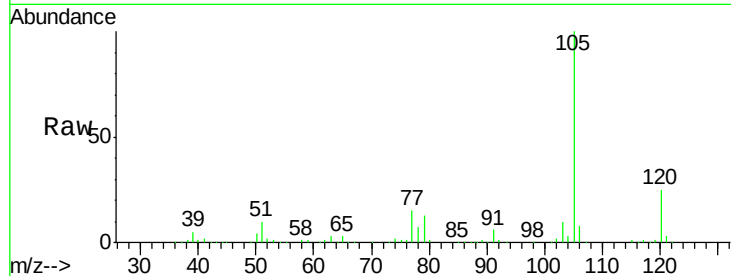
120 25.6 12.9 38.7

Manual Integrations

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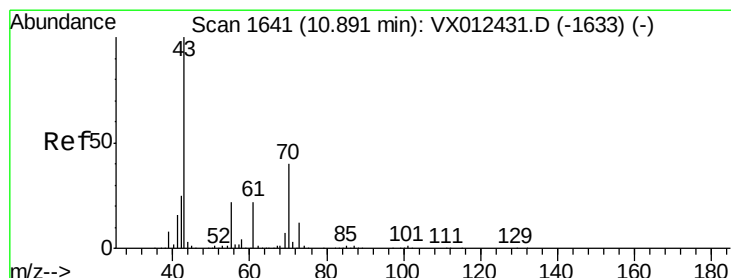
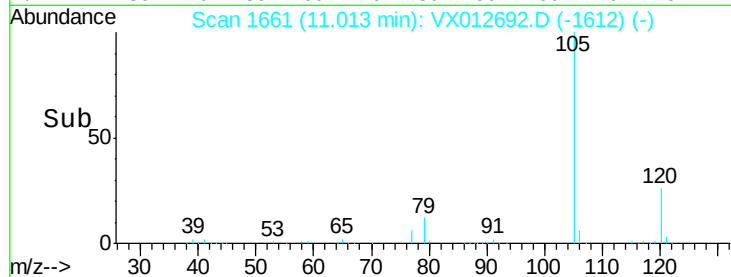
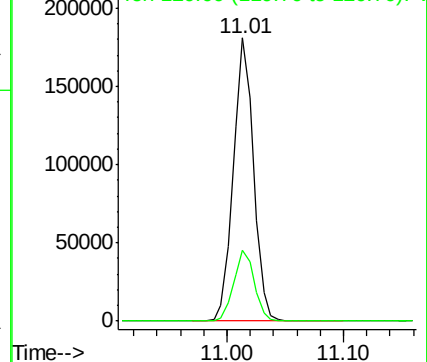
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.862 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Tgt Ion: 43 Resp: 99310

Ion Ratio Lower Upper

43 100

70 43.4 32.4 48.6

55 24.8 18.2 27.4

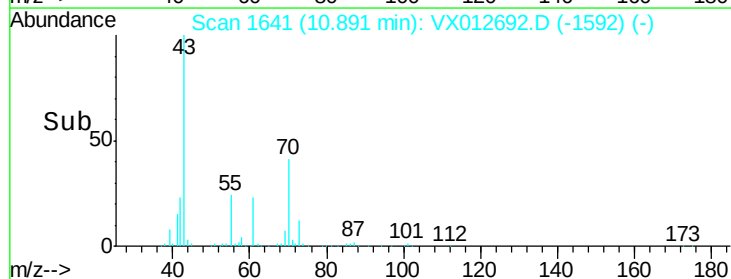
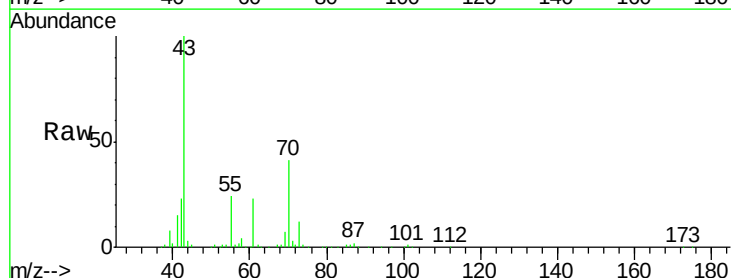
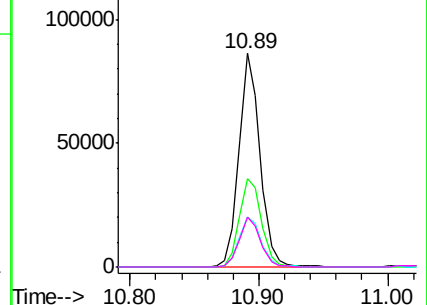
61 23.2 18.5 27.7

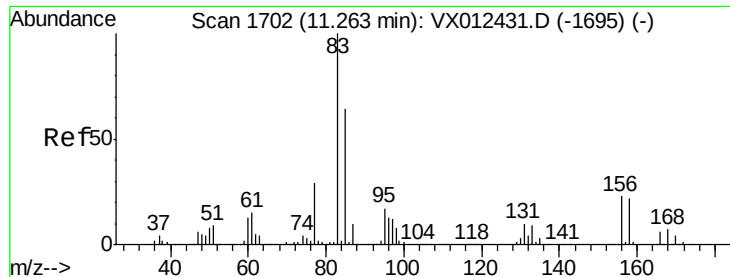
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.493 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

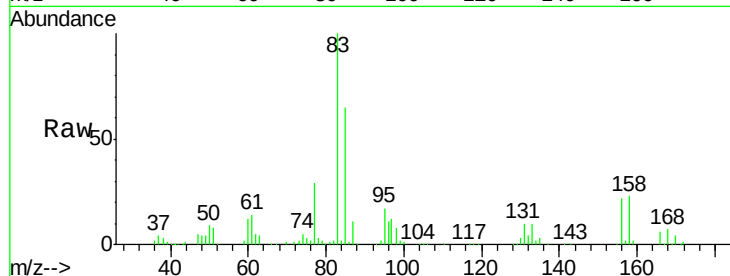
ClientSampleId :

VX0927WBSD01

Tot Ion:	83	Resp:	71132
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	64.7	32.0	96.0

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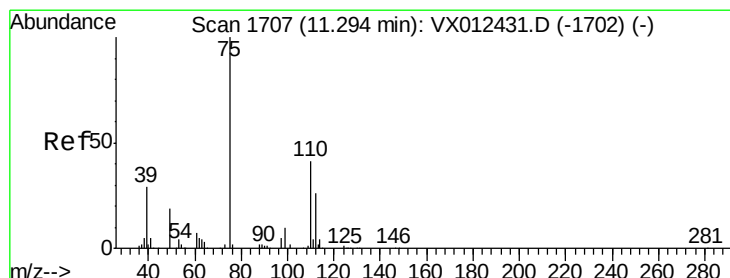
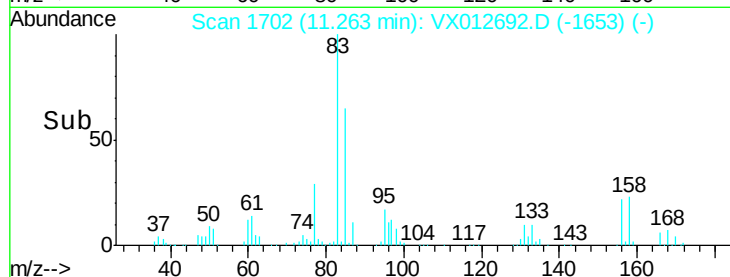
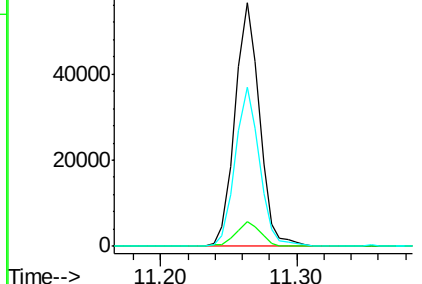
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.361 ug/l m

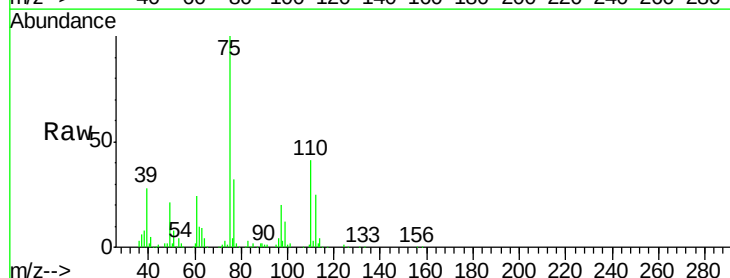
RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012692.D

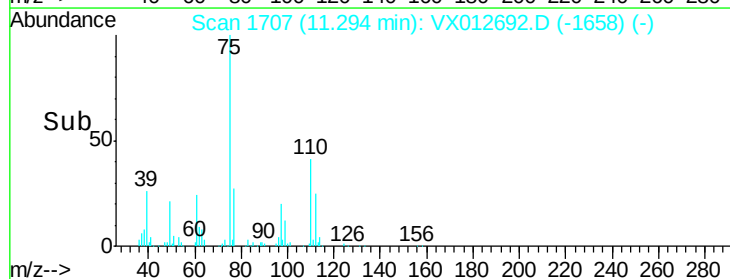
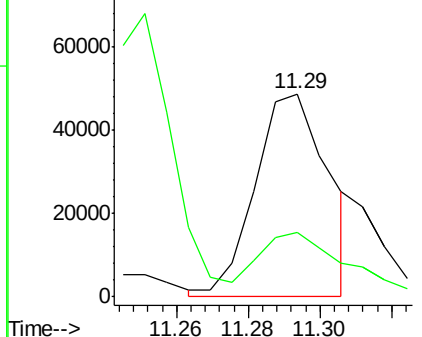
Acq: 27 Sep 2019 12:28

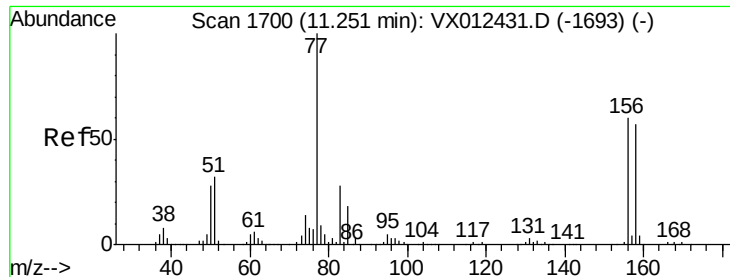
Tgt Ion:	75	Resp:	69305
Ion Ratio	Lower	Upper	
75	100		
77	37.9	19.7	59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.319 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion:156 Resp: 48197

Ion Ratio Lower Upper

156 100

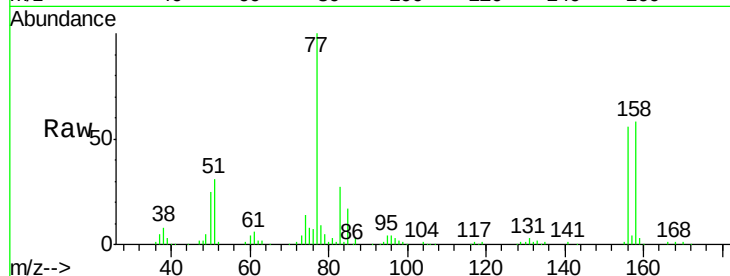
77 182.5 87.3 261.8

158 98.2 48.5 145.6

Manual Integrations
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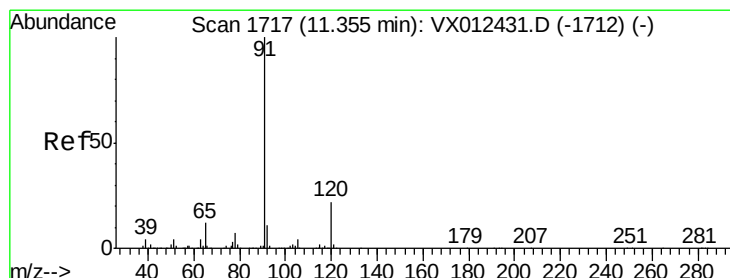
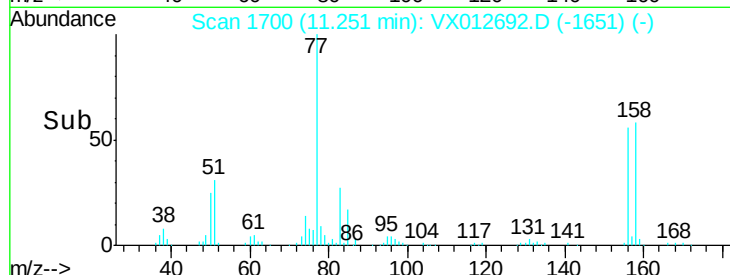
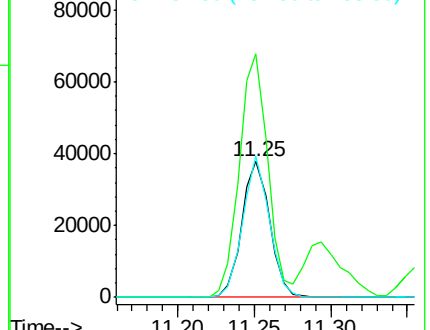
9/30/2019 8:23:41 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.346 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012692.D

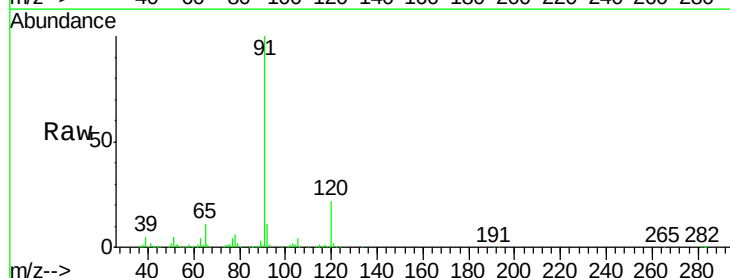
Acq: 27 Sep 2019 12:28

Tgt Ion: 91 Resp: 240070

Ion Ratio Lower Upper

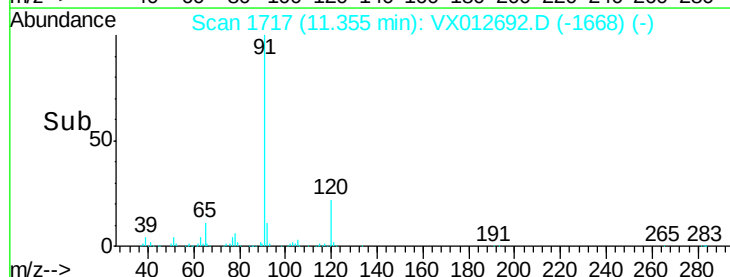
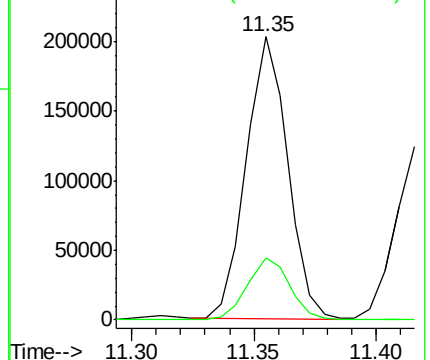
91 100

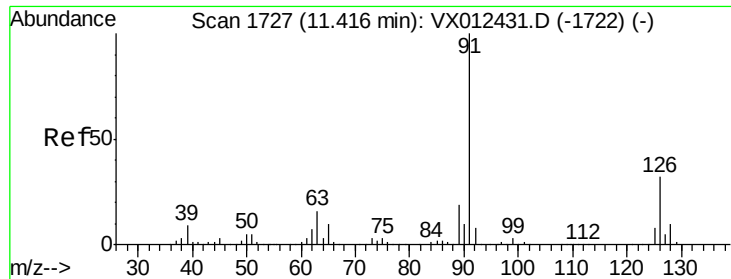
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





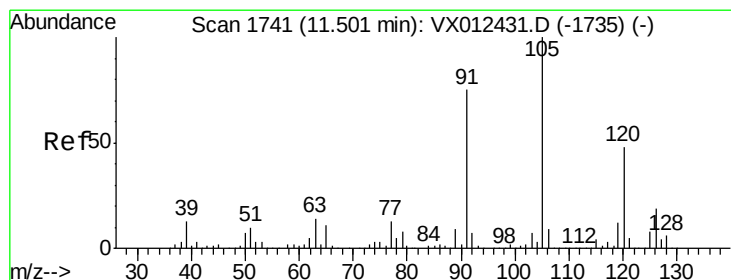
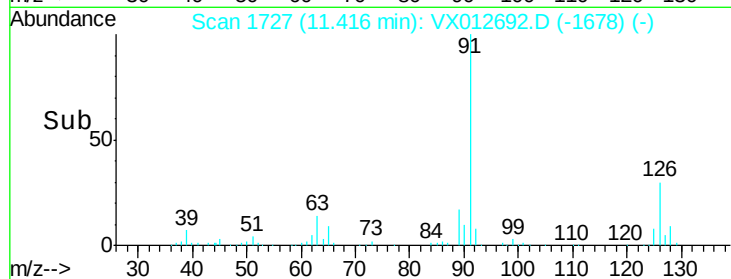
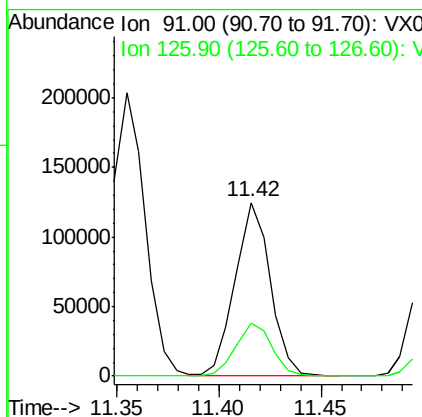
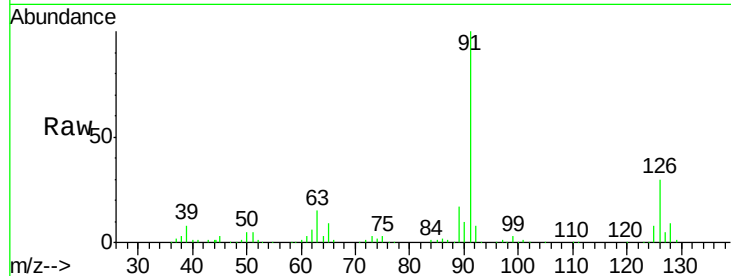
#79
 2-Chlorotoluene
 Concen: 20.199 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBSD01

Tot Ion: 91 Resp: 148677
 Ion Ratio Lower Upper
 91 100
 126 31.7 16.4 49.4

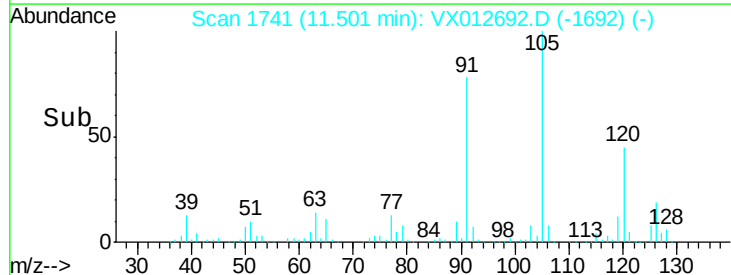
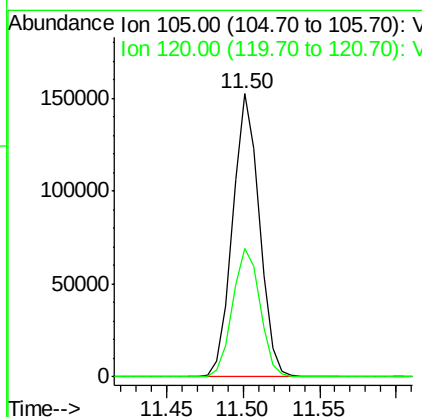
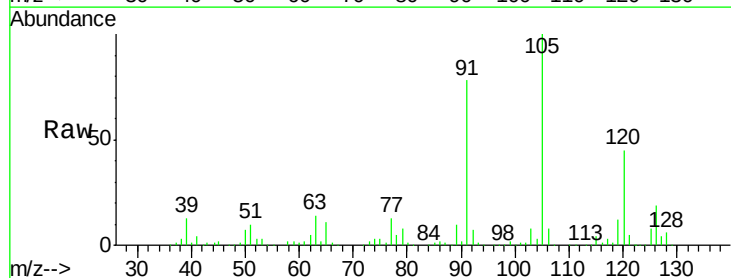
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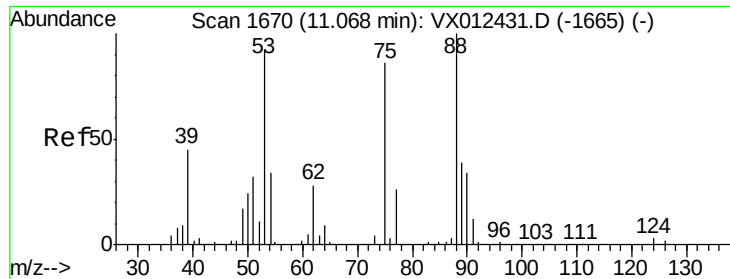
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.964 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Tgt Ion: 105 Resp: 184250
 Ion Ratio Lower Upper
 105 100
 120 46.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.041 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion: 75 Resp: 21429

Ion Ratio Lower Upper

75 100

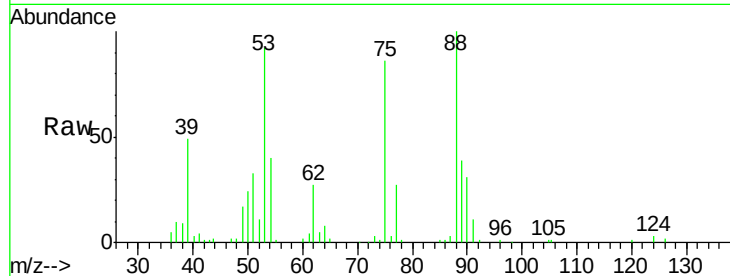
53 104.4 83.6 125.4

89 46.9 36.3 54.5

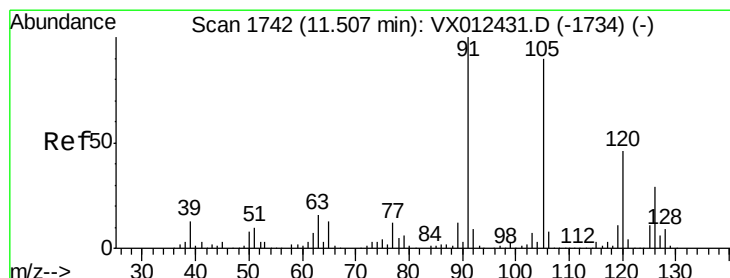
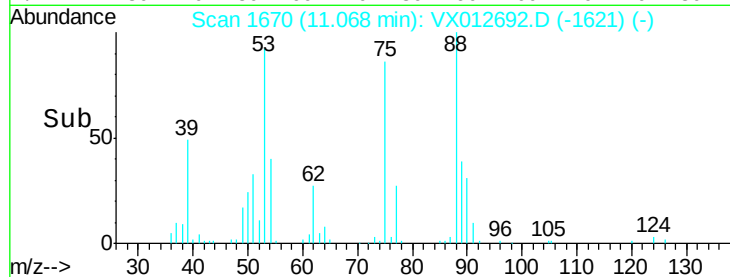
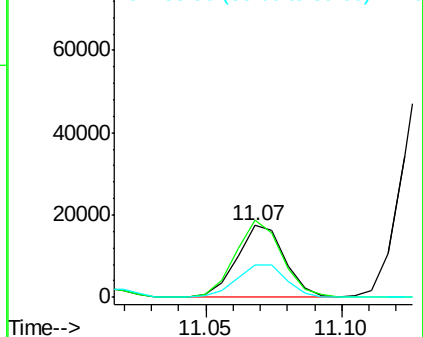
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.390 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012692.D

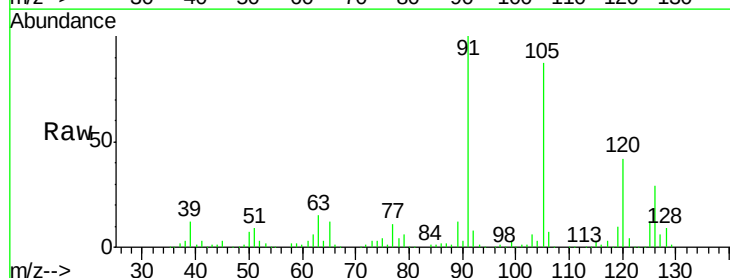
Acq: 27 Sep 2019 12:28

Tgt Ion: 91 Resp: 171087

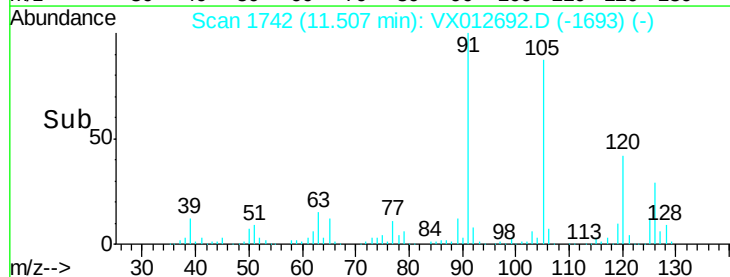
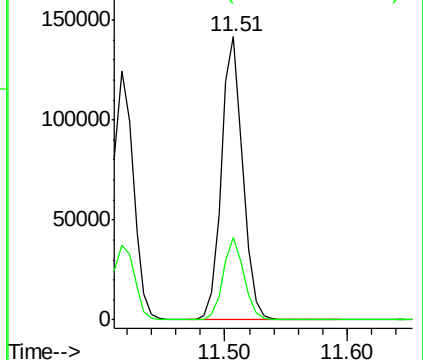
Ion Ratio Lower Upper

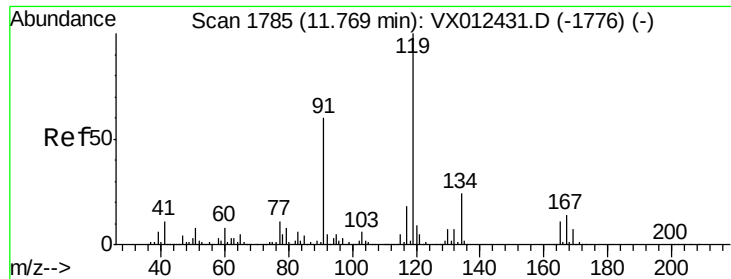
91 100

126 28.4 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





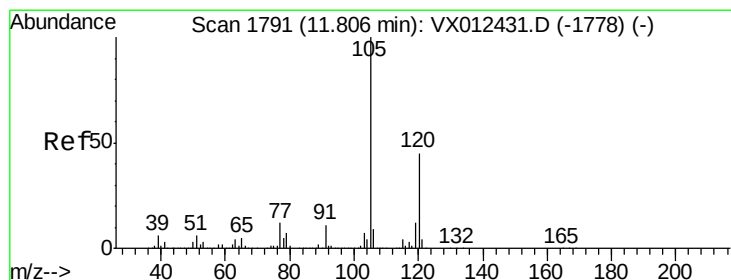
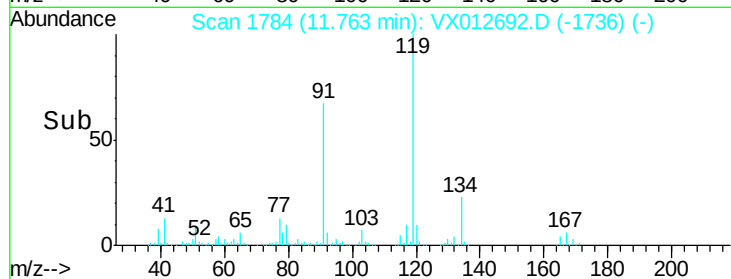
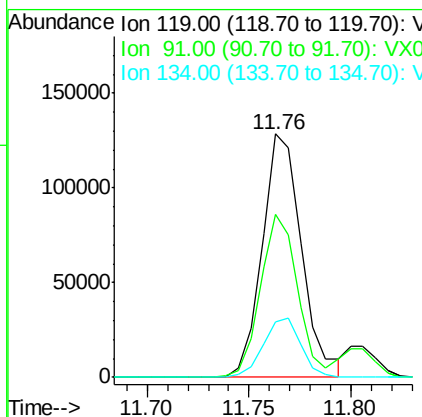
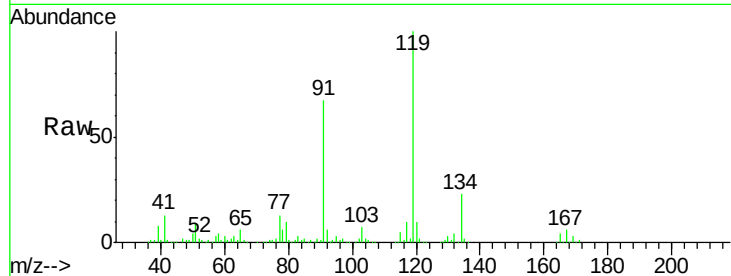
#83
 tert-Butylbenzene
 Concen: 20.454 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	173410		
91	62.7	30.0	90.0	
134	23.1	11.3	33.9	

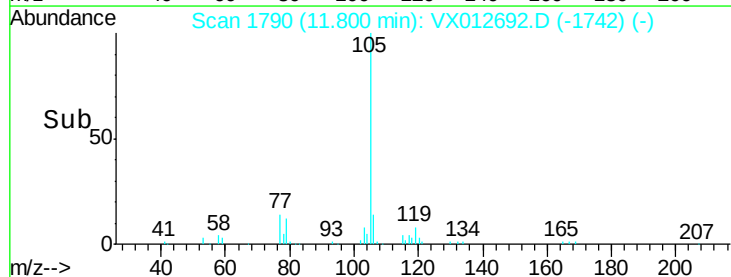
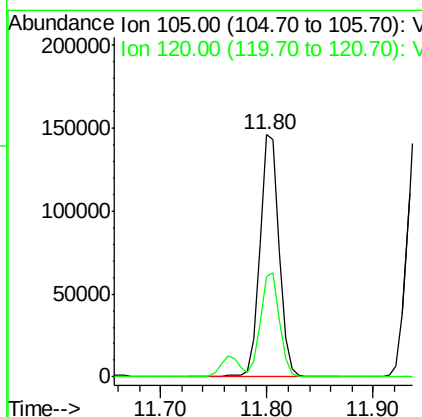
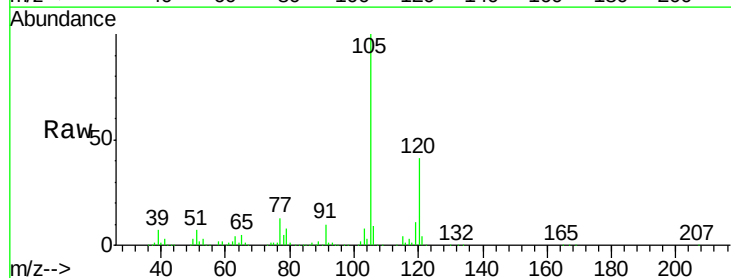
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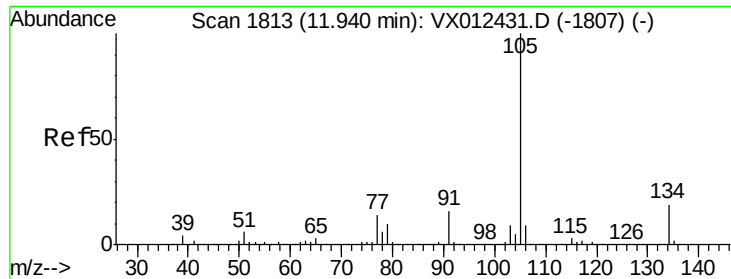
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.794 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	184360		
120	42.5	22.2	66.6	





#85

sec-Butylbenzene

Concen: 21.029 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBSD01

Tot Ion:105 Resp: 207360

Ion Ratio Lower Upper

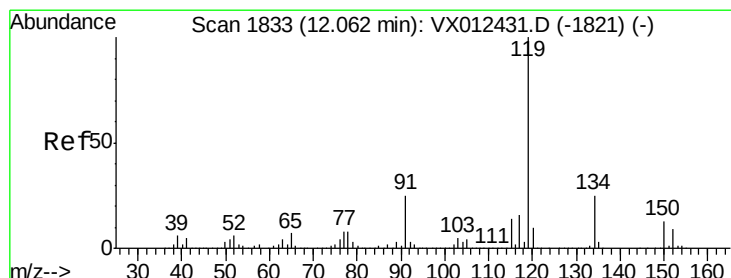
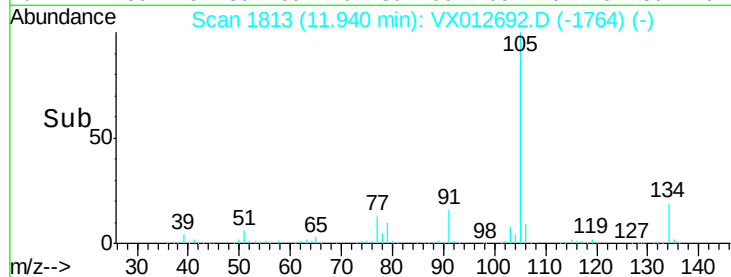
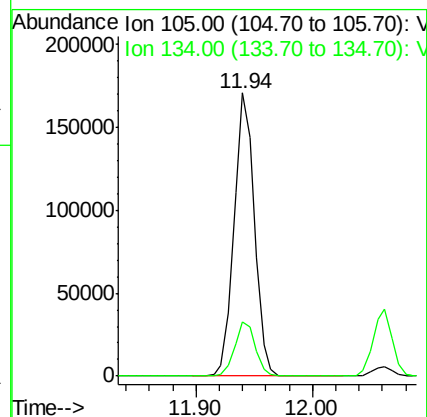
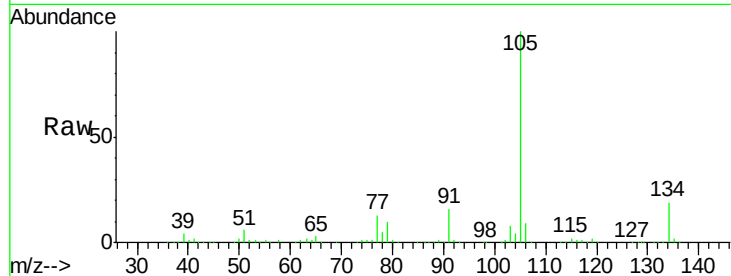
105 100

134 19.3 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 20.775 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

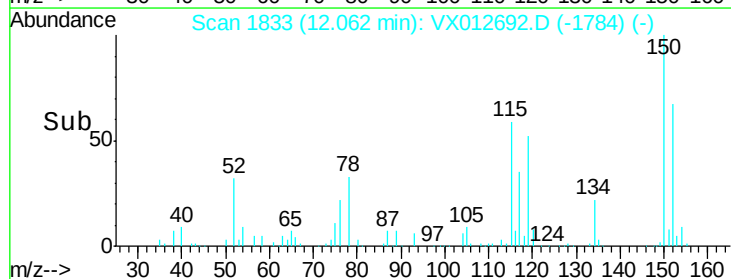
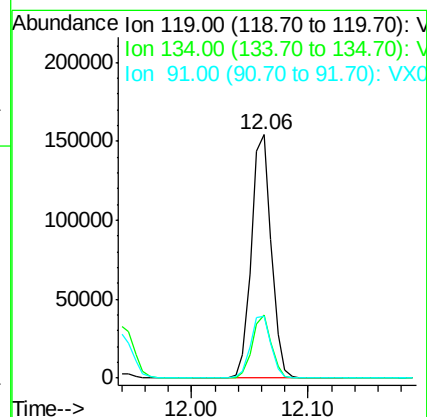
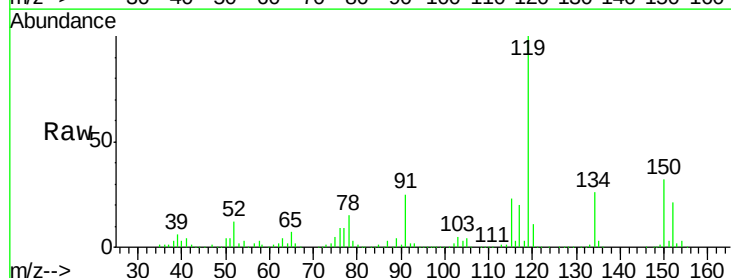
Tgt Ion:119 Resp: 184847

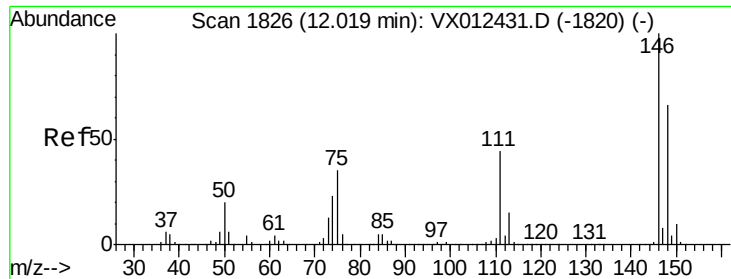
Ion Ratio Lower Upper

119 100

134 24.7 12.7 38.1

91 26.1 12.8 38.4





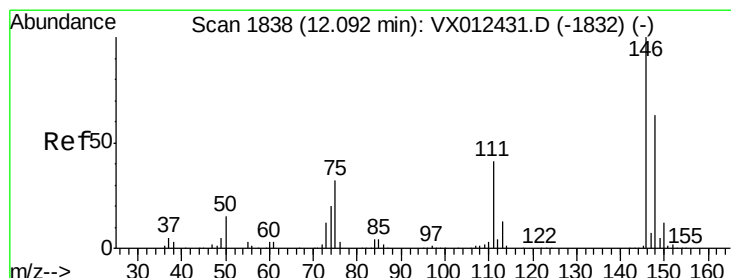
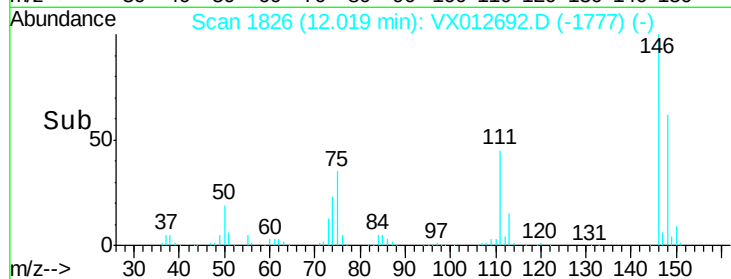
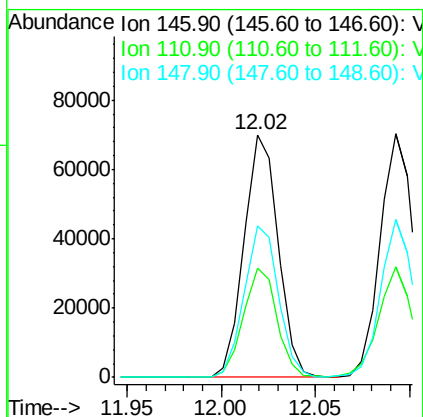
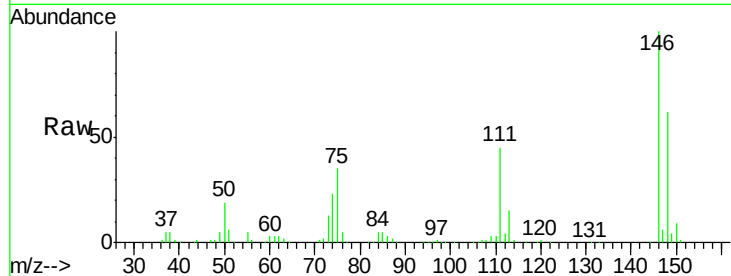
#87
 1,3-Dichlorobenzene
 Concen: 20.616 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.3	64.0
148	62.7	32.4	97.2

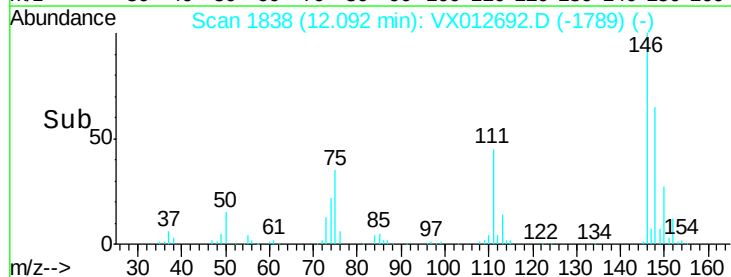
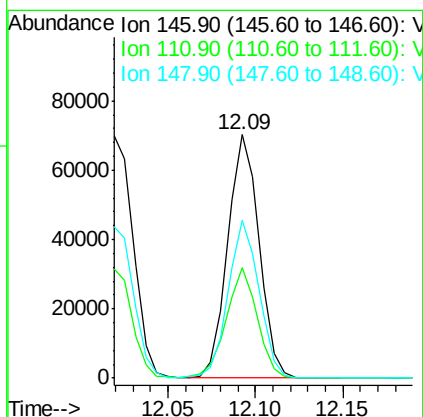
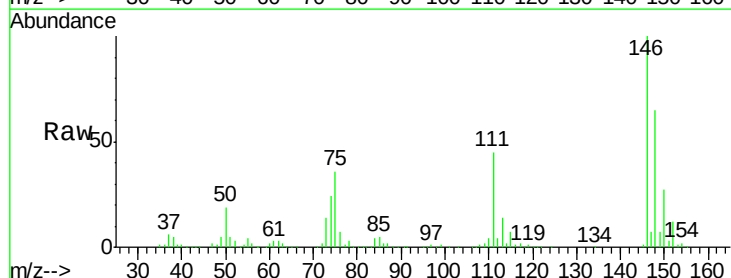
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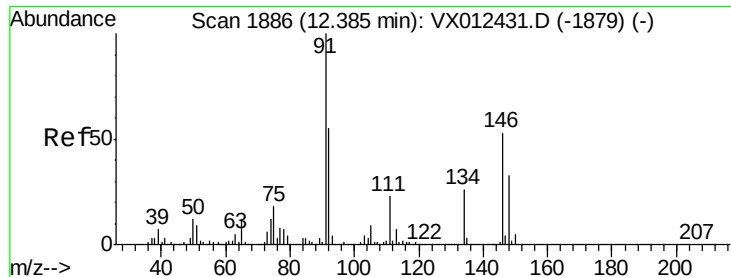
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#88
 1,4-Dichlorobenzene
 Concen: 20.283 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.1	63.3
148	64.0	32.1	96.5





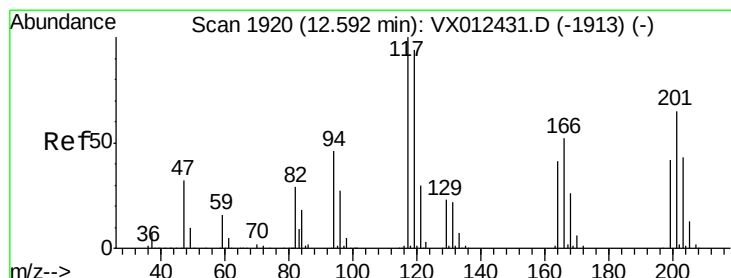
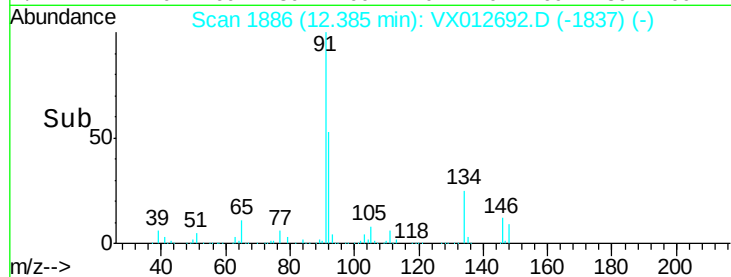
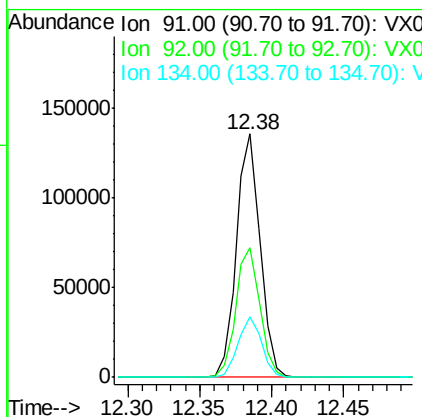
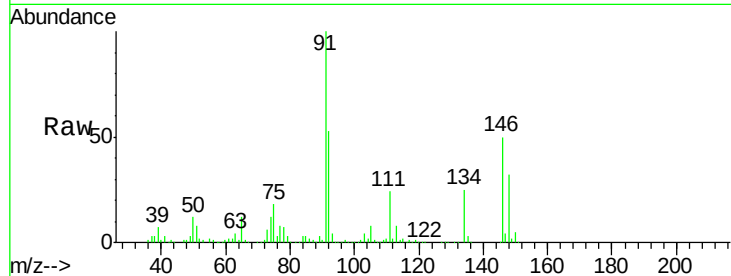
#89
n-Butylbenzene
Concen: 19.901 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.7	83.0	
134	24.9	12.9	38.6	

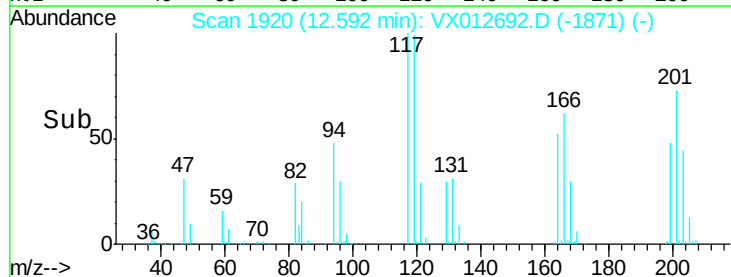
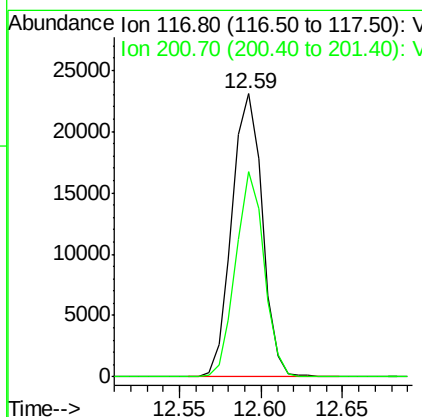
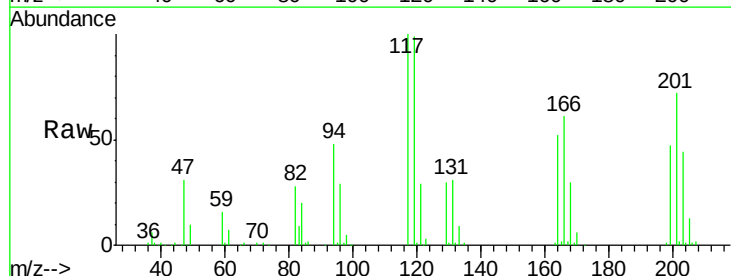
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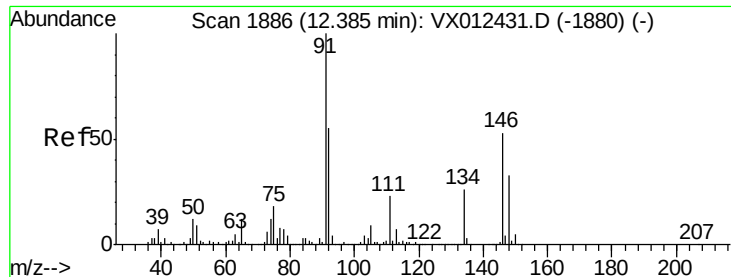
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#90
Hexachloroethane
Concen: 18.880 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	67.9	33.3	99.8	





#91

1,2-Dichlorobenzene

Concen: 20.718 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Instrument :

MSVOA_X

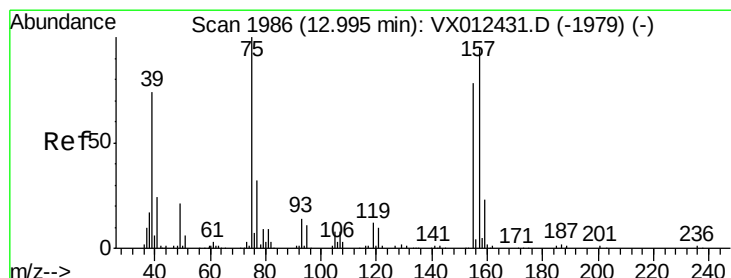
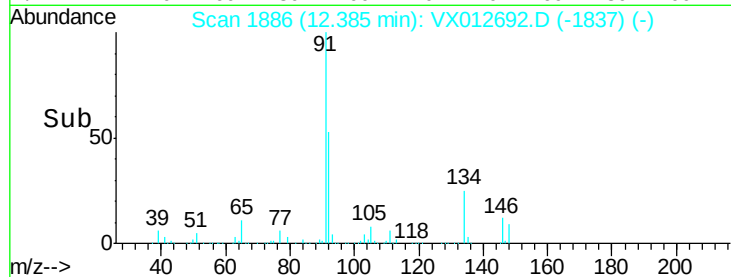
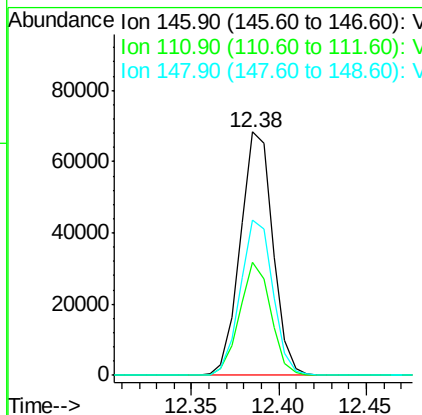
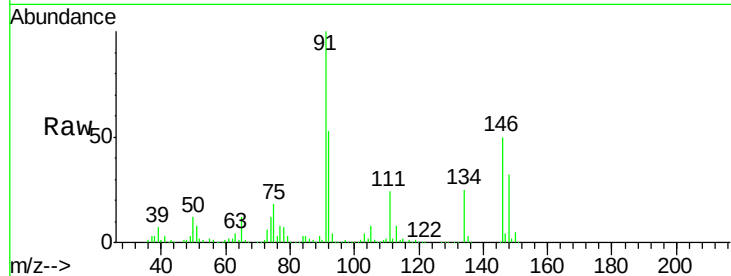
ClientSampleId :

VX0927WBSD01

Tot Ion:	146	Resp:	88541
Ion Ratio	Lower	Upper	
146	100		
111	44.6	22.1	66.1
148	63.7	31.3	93.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.302 ug/l

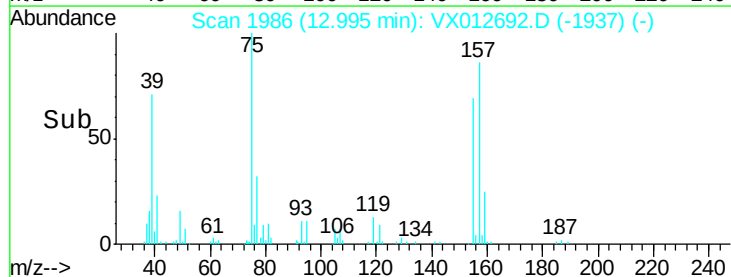
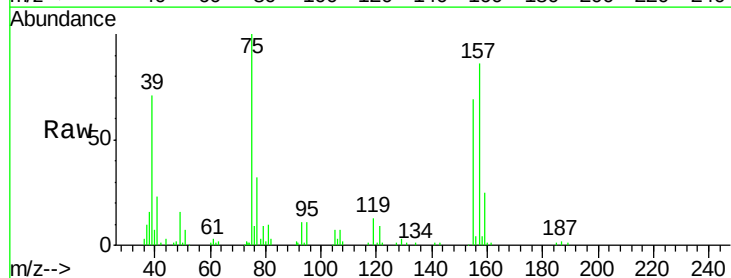
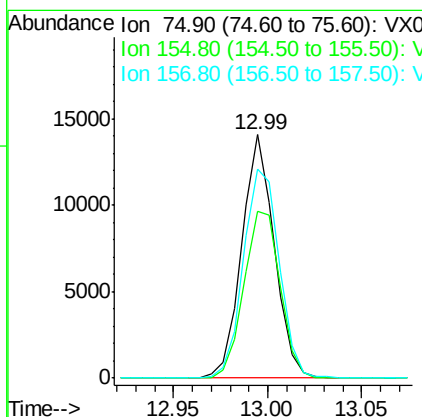
RT: 12.99 min Scan# 1986

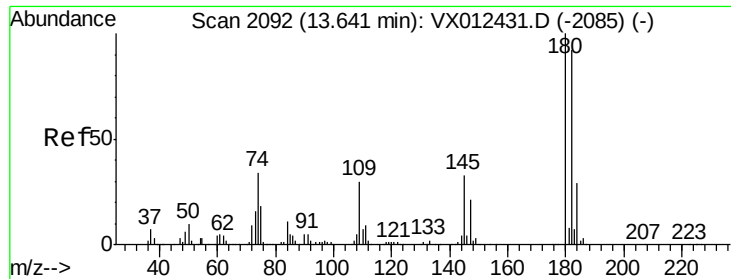
Delta R.T. 0.00 min

Lab File: VX012692.D

Acq: 27 Sep 2019 12:28

Tgt Ion:	75	Resp:	16759
Ion Ratio	Lower	Upper	
75	100		
155	76.8	38.6	115.8
157	95.2	50.6	151.9





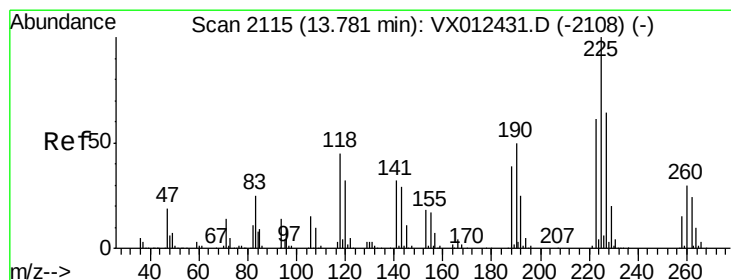
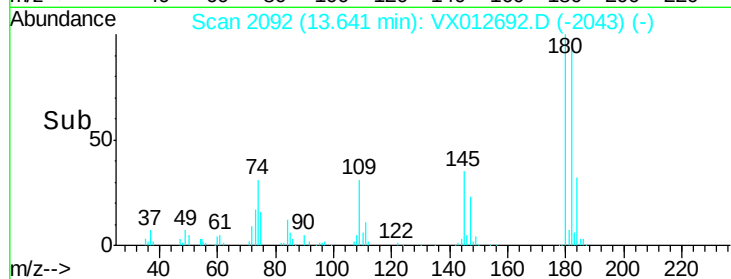
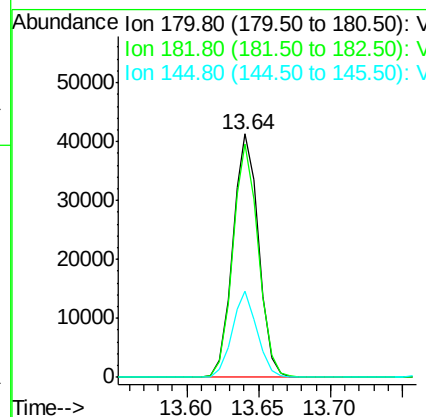
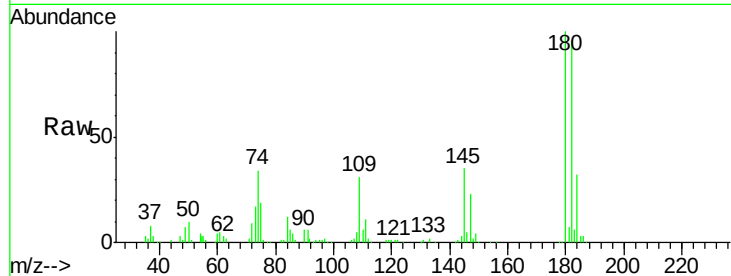
#93
 1,2,4-Trichlorobenzene
 Concen: 19.871 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51789		
182	95.1	47.0	141.0	
145	34.3	16.8	50.4	

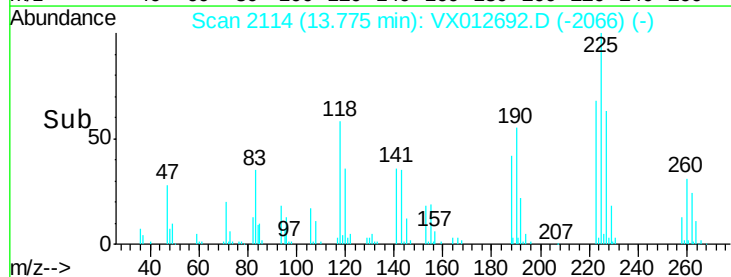
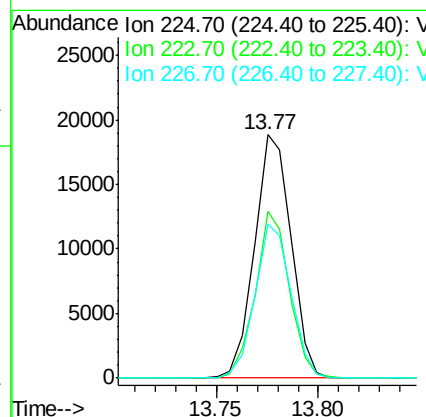
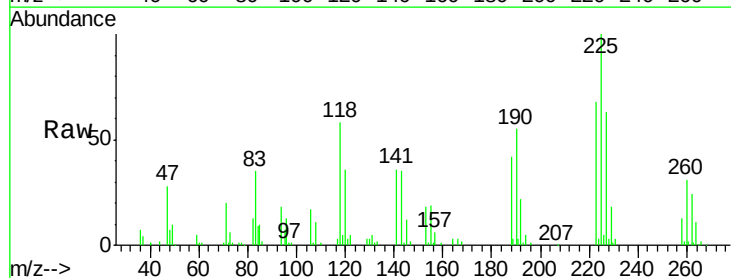
Manual Integrations
 APPROVED

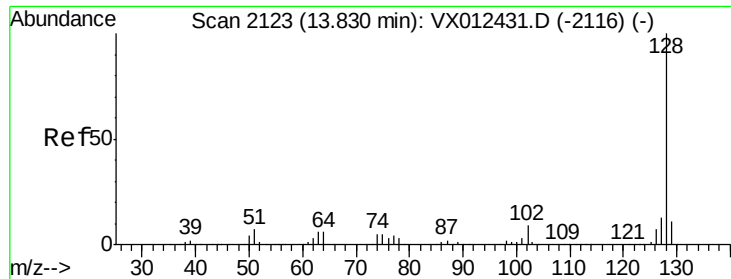
MMDadoda
 9/30/2019 8:23:41 AM



#94
 Hexachlorobutadiene
 Concen: 20.955 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012692.D
 Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23495		
223	64.1	32.0	96.2	
227	62.4	31.9	95.5	





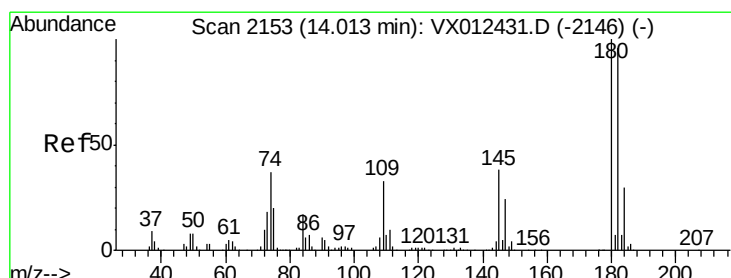
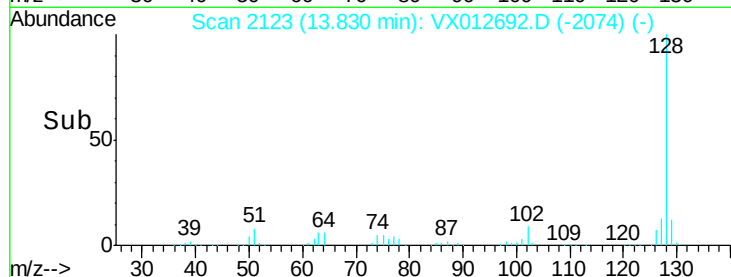
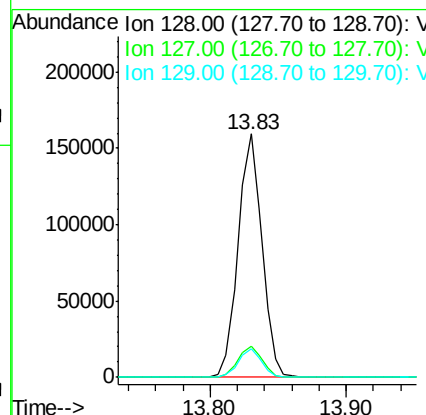
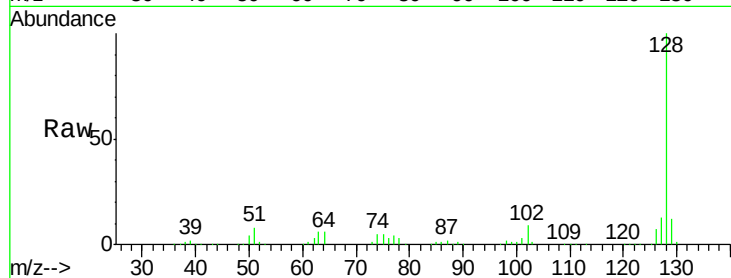
#95
Naphthalene
Concen: 20.618 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0927WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/30/2019 8:23:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.302 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012692.D
Acq: 27 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.1	141.3
145	36.8	18.0	54.0

