

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090319\
 Data File : VX012020.D
 Acq On : 03 Sep 2019 13:40
 Operator : SY/SP
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 9/4/2019 4:46:19 PM

Quant Time: Sep 03 14:45:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 14:34:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	149039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269611	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119569	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	38942	29.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	59.14%	
35) Dibromofluoromethane	5.48	113	33725	19.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.16%	
50) Toluene-d8	8.71	98	112049	17.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	35.98%	
62) 4-Bromofluorobenzene	11.14	95	59450	22.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	44.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	27398	30.456	ug/l	97
3) Chloromethane	1.31	50	27168	30.387	ug/l	98
4) Vinyl Chloride	1.40	62	25121	27.661	ug/l	92
5) Bromomethane	1.62	94	11953	18.563	ug/l	94
6) Chloroethane	1.70	64	15780	27.471	ug/l	100
7) Trichlorofluoromethane	1.91	101	39834	24.162	ug/l	98
8) Diethyl Ether	2.17	74	13681	27.291	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	29988	28.563	ug/l	99
10) Methyl Iodide	2.50	142	21094	20.111	ug/l	99
11) Tert butyl alcohol	3.03	59	20405	187.540	ug/l	98
12) 1,1-Dichloroethene	2.36	96	28040	29.271	ug/l	93
13) Acrolein	2.28	56	8565	215.019	ug/l	89
14) Allyl chloride	2.72	41	51428	31.325	ug/l	99
15) Acrylonitrile	3.13	53	43676	170.295	ug/l	99
16) Acetone	2.43	43	47158	182.441	ug/l	98
17) Carbon Disulfide	2.55	76	73982	27.374	ug/l	98
18) Methyl Acetate	2.76	43	22451	33.518	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	95388	33.402	ug/l	100
20) Methylene Chloride	2.84	84	37726	32.313	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	32577	28.609	ug/l	97
22) Diisopropyl ether	3.84	45	108128	32.750	ug/l	91
23) Vinyl Acetate	3.80	43	345852	166.597	ug/l	99
24) 1,1-Dichloroethane	3.68	63	61161	31.764	ug/l	99
25) 2-Butanone	4.66	43	61569	174.843	ug/l	99
26) 2,2-Dichloropropane	4.57	77	58532	32.772	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	39575	30.250	ug/l	99
28) Bromochloromethane	5.00	49	24702	31.215	ug/l	99
29) Tetrahydrofuran	5.12	42	36650	169.232	ug/l	98
30) Chloroform	5.19	83	67170	31.782	ug/l	97
31) Cyclohexane	5.56	56	49538	30.882	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	58898	29.954	ug/l	99
36) 1,1-Dichloropropene	5.79	75	45803	22.202	ug/l	98
37) Ethyl Acetate	4.82	43	25486	24.678	ug/l	96
38) Carbon Tetrachloride	5.77	117	49306	19.654	ug/l	94

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 14:34:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	54227	21.647	ug/l	97
40) Benzene	6.13	78	133885	22.470	ug/l	98
41) Methacrylonitrile	5.03	41	15687	25.204	ug/l	97
42) 1,2-Dichloroethane	6.18	62	48457	24.007	ug/l	100
43) Isopropyl Acetate	6.44	43	52073	24.394	ug/l	99
44) Trichloroethene	7.20	130	36348	18.367	ug/l	87
45) 1,2-Dichloropropane	7.50	63	35427	23.629	ug/l	98
46) Dibromomethane	7.65	93	20177	22.451	ug/l	100
47) Bromodichloromethane	7.89	83	51872	22.864	ug/l	97
48) Methyl methacrylate	7.76	41	26017	24.716	ug/l	97
49) 1,4-Dioxane	7.74	88	7029	475.974	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	134817	125.663	ug/l	99
52) Toluene	8.78	92	87410	21.652	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	53988	23.508	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	59719	23.102	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	29961	22.836	ug/l	96
56) Ethyl methacrylate	9.17	69	41865	24.028	ug/l	99
57) 1,3-Dichloropropane	9.37	76	51911	24.092	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	94223	119.001	ug/l	98
59) 2-Hexanone	9.49	43	98252	128.646	ug/l	98
60) Dibromochloromethane	9.57	129	35300	19.355	ug/l	98
61) 1,2-Dibromoethane	9.67	107	28169	21.556	ug/l	100
64) Tetrachloroethene	9.33	164	30794	15.188	ug/l	98
65) Chlorobenzene	10.14	112	96974	20.852	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	35631	19.092	ug/l	98
67) Ethyl Benzene	10.25	91	178986	22.781	ug/l	99
68) m/p-Xylenes	10.36	106	133184	43.170	ug/l	99
69) o-Xylene	10.70	106	64654	21.604	ug/l	99
70) Styrene	10.71	104	113114	22.029	ug/l	100
71) Bromoform	10.85	173	19437	15.011	ug/l #	99
73) Isopropylbenzene	11.01	105	176365	26.432	ug/l	100
74) N-amyl acetate	10.89	43	52193	31.370	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	36875	30.187	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	27748m	29.317	ug/l	
77) Bromobenzene	11.25	156	39115	20.049	ug/l	98
78) n-propylbenzene	11.35	91	214090	28.513	ug/l	99
79) 2-Chlorotoluene	11.42	91	131484	29.579	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	158259	27.495	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	11764	29.321	ug/l	98
82) 4-Chlorotoluene	11.51	91	155705	29.191	ug/l	99
83) tert-Butylbenzene	11.76	119	149040	25.051	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	158659	27.200	ug/l	100
85) sec-Butylbenzene	11.94	105	183264	26.817	ug/l	100
86) p-Isopropyltoluene	12.06	119	167917	25.096	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	80092	21.890	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	80054	22.022	ug/l	99
89) n-Butylbenzene	12.39	91	163381	28.195	ug/l	99
90) Hexachloroethane	12.59	117	33386	26.577	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	73449	22.236	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7795	32.501	ug/l	99

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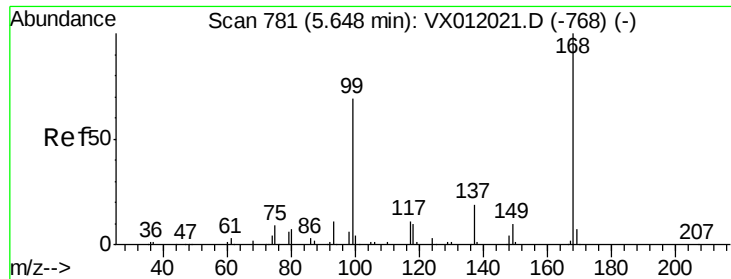
Manual Integrations
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Quant Time: Sep 03 14:45:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	51435	17.896	ug/l	98
94) Hexachlorobutadiene	13.78	225	26195	13.045	ug/l	96
95) Naphthalene	13.83	128	108729	24.604	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	44865	17.753	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 149039

Ion Ratio Lower Upper

168 100

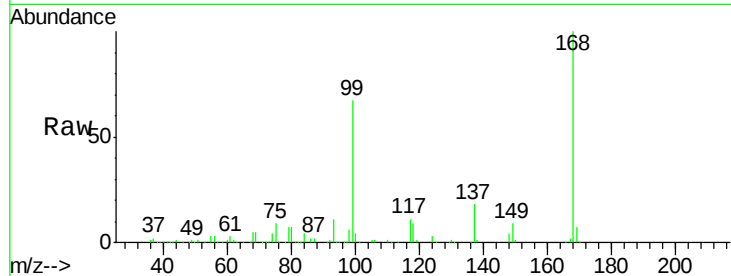
99 66.7 55.0 82.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

50000

40000

30000

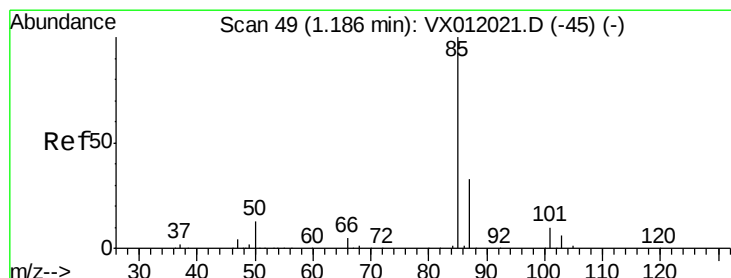
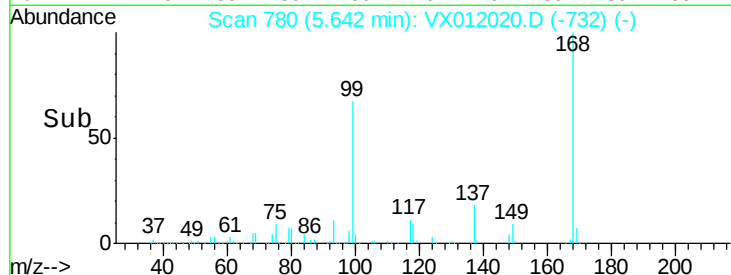
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 30.456 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012020.D

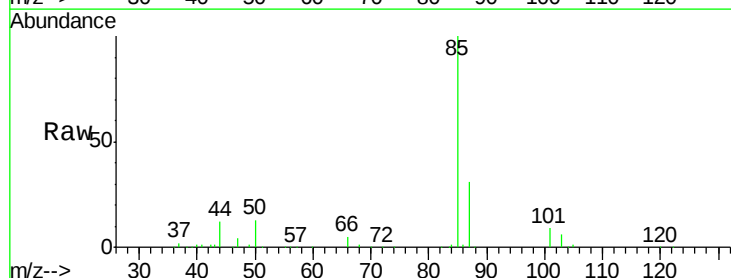
Acq: 03 Sep 2019 13:40

Tgt Ion: 85 Resp: 27398

Ion Ratio Lower Upper

85 100

87 31.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

30000

25000

20000

15000

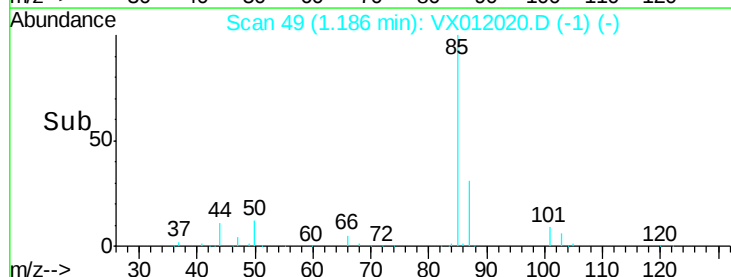
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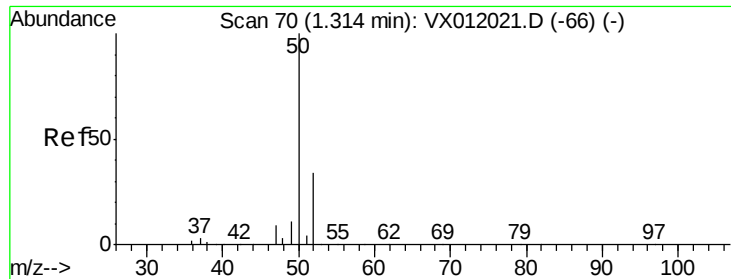
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0

Time-->

1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 30.387 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 27168

Ion Ratio Lower Upper

50 100

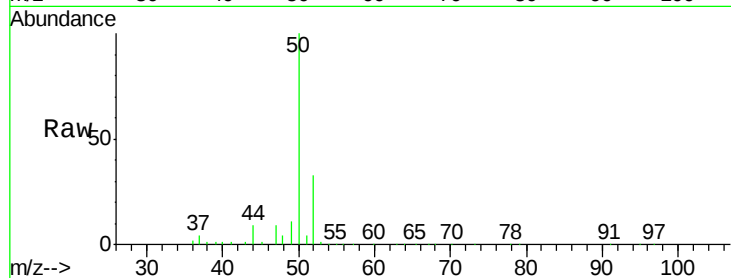
52 32.7 27.1 40.7

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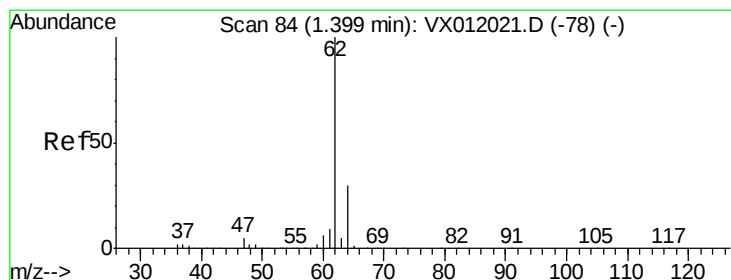
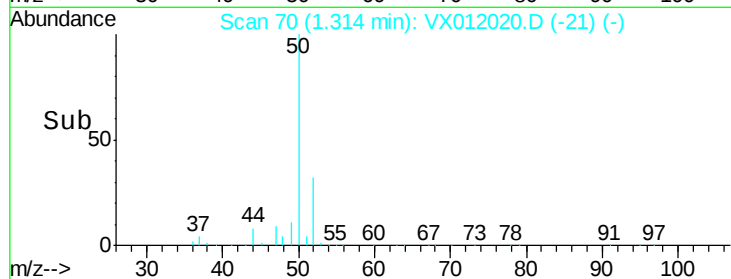
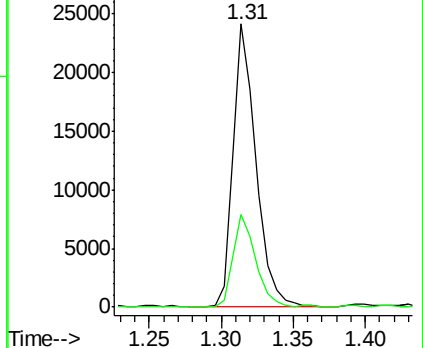
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 27.661 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012020.D

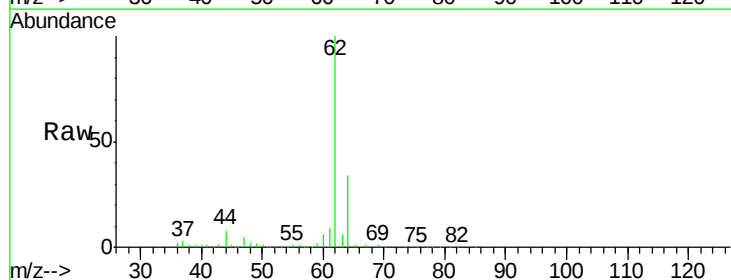
Acq: 03 Sep 2019 13:40

Tgt Ion: 62 Resp: 25121

Ion Ratio Lower Upper

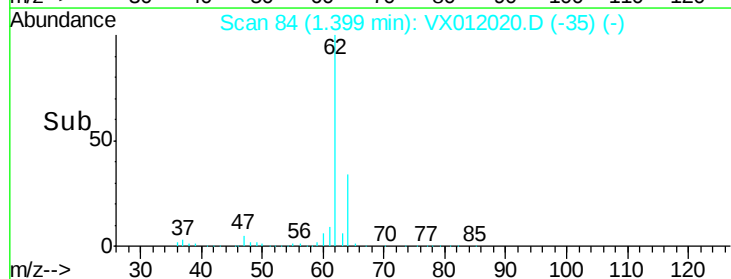
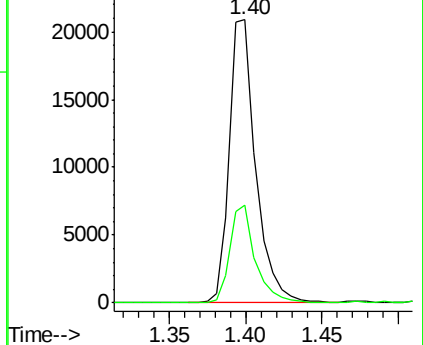
62 100

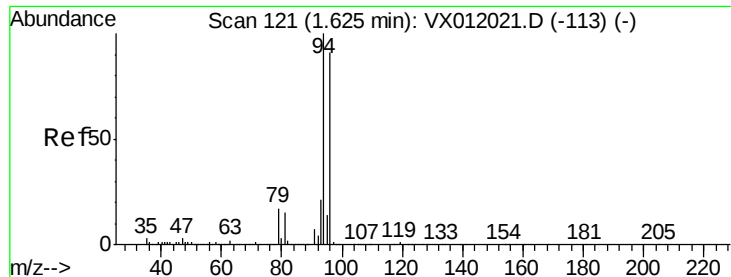
64 34.4 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.563 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 11953

Ion Ratio Lower Upper

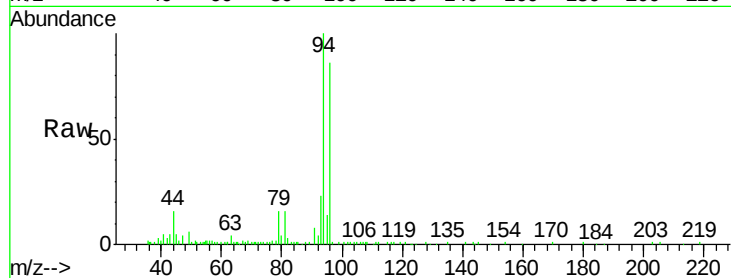
94 100

96 85.7 73.0 109.6

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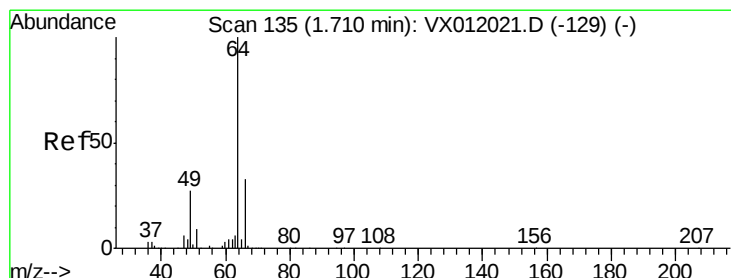
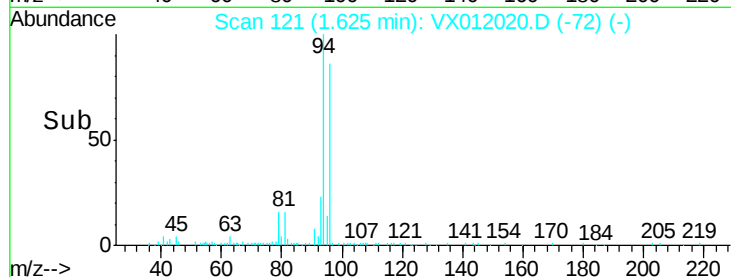
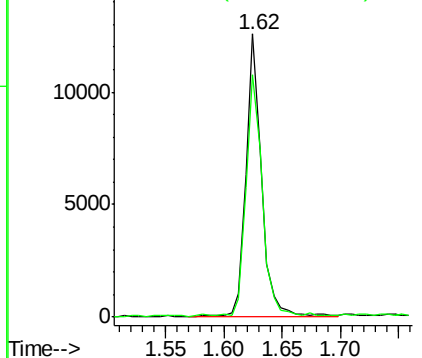
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 27.471 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012020.D

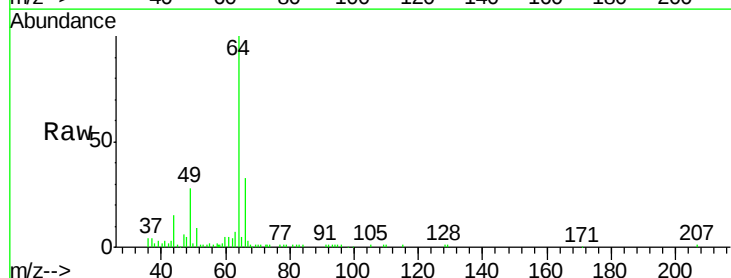
Acq: 03 Sep 2019 13:40

Tgt Ion: 64 Resp: 15780

Ion Ratio Lower Upper

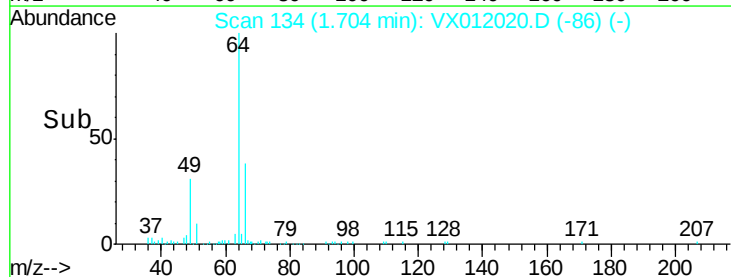
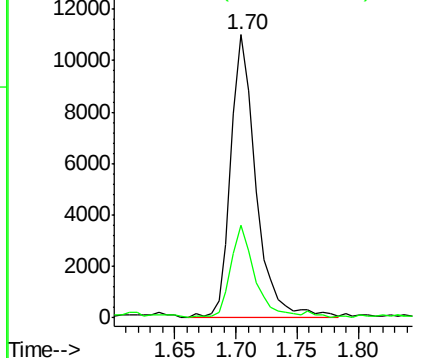
64 100

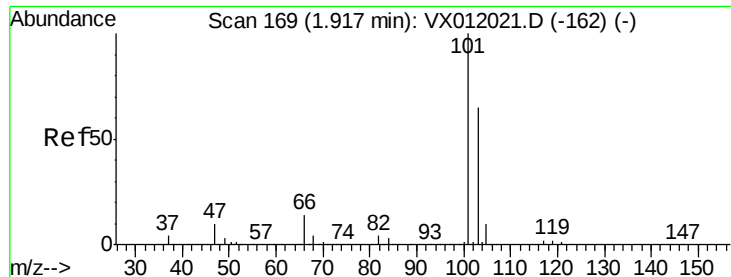
66 32.9 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

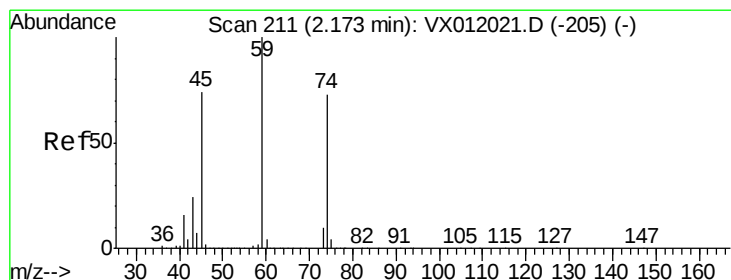
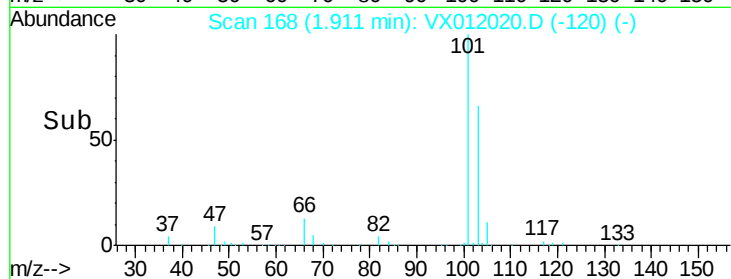
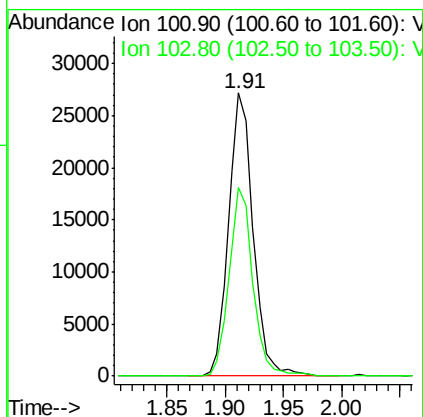
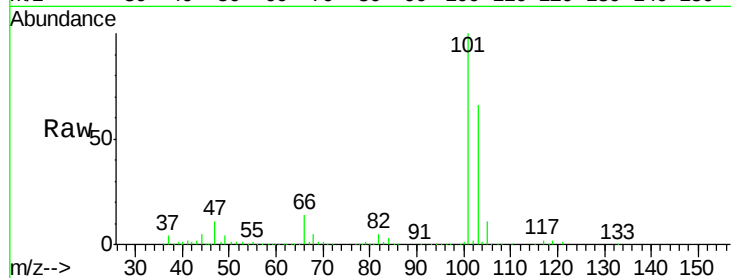
Trichlorofluoromethane
Concen: 24.162 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.8	77.6

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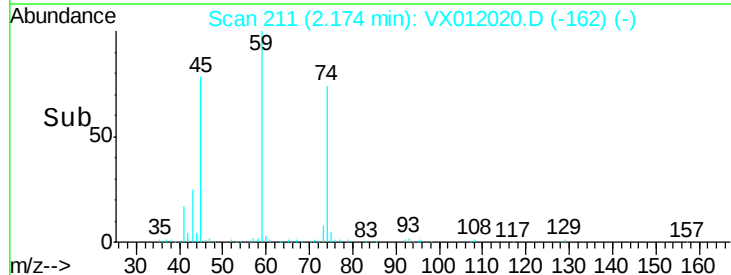
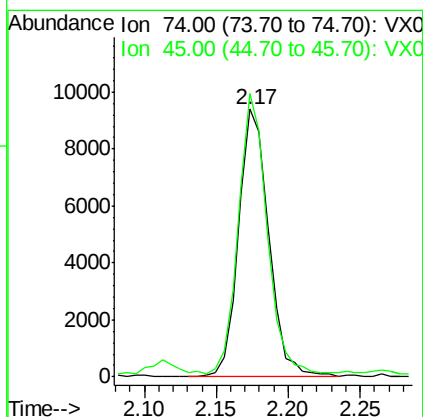
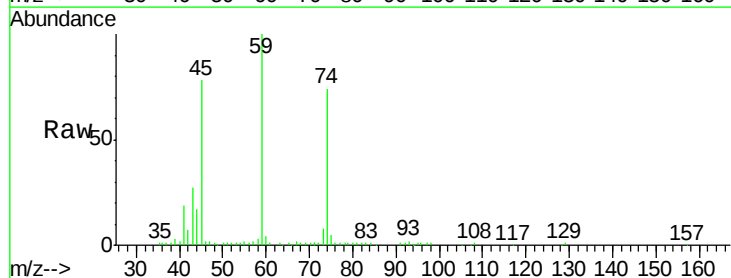
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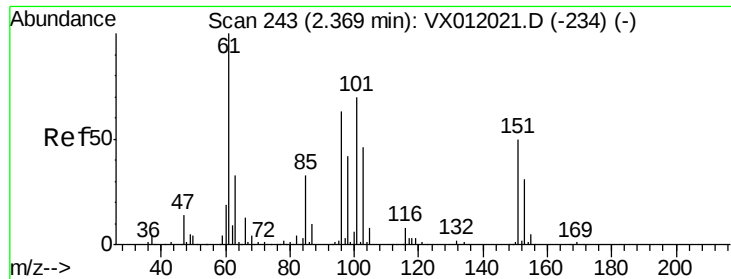


#8

Diethyl Ether
Concen: 27.291 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	48.9	146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 28.563 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

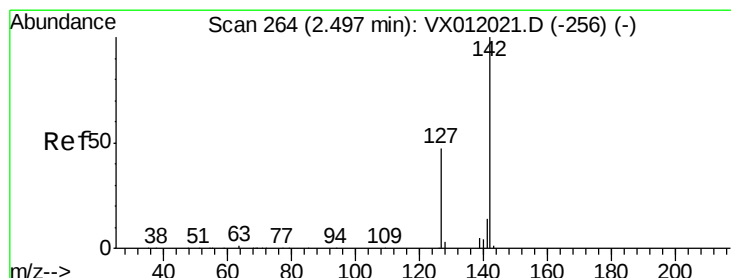
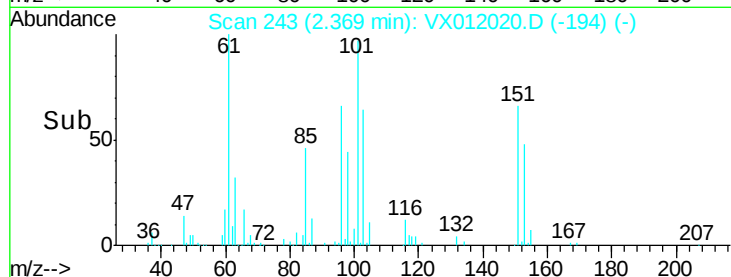
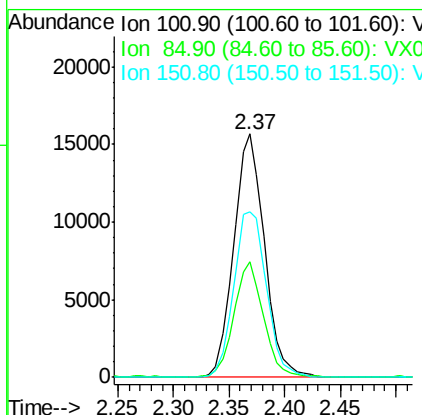
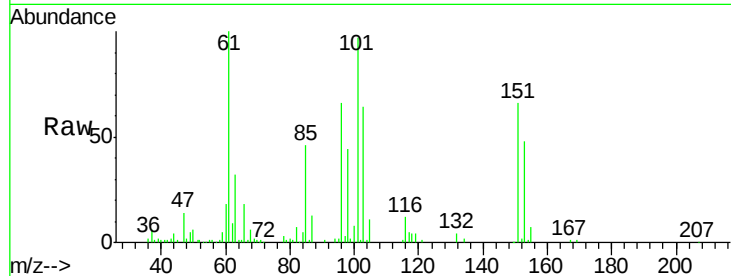
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	29988
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.6	55.0
151	72.2	56.5	84.7

Manual Integrations
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#10

Methyl Iodide

Concen: 20.111 ug/l

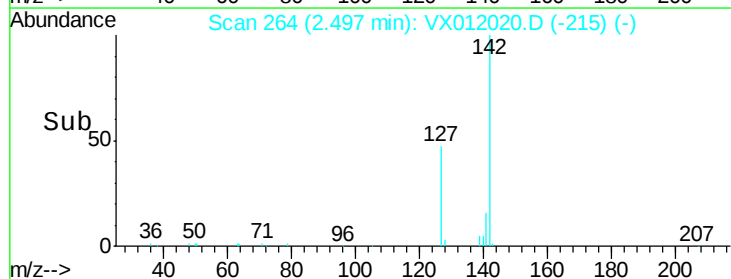
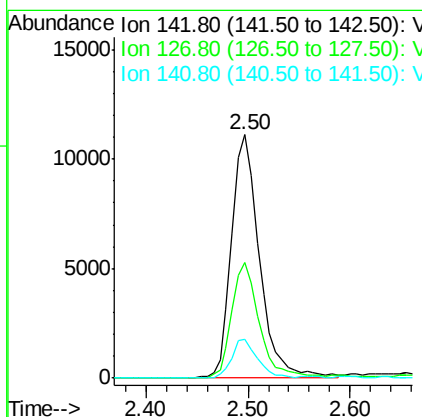
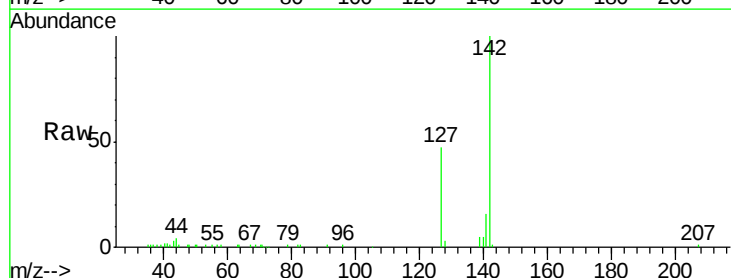
RT: 2.50 min Scan# 264

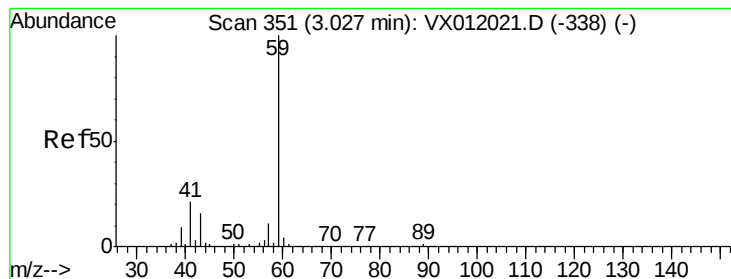
Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion:	142	Resp:	21094
Ion Ratio	Lower	Upper	
142	100		
127	46.6	38.2	57.2
141	14.5	11.2	16.8





#11

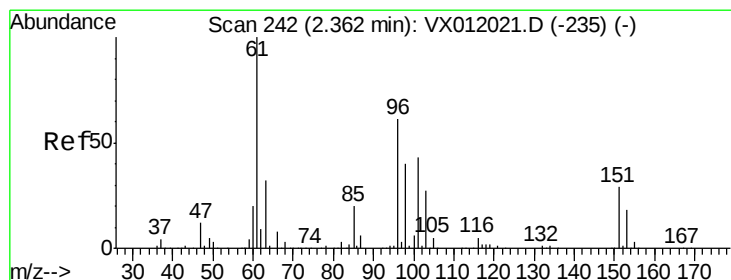
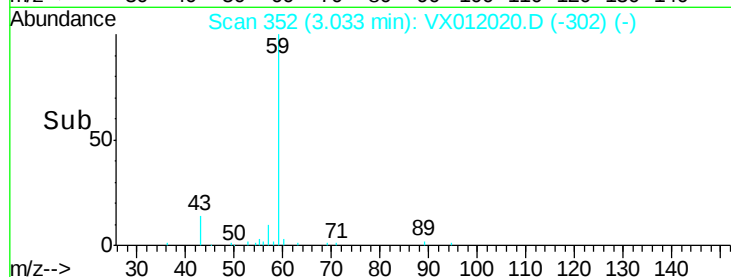
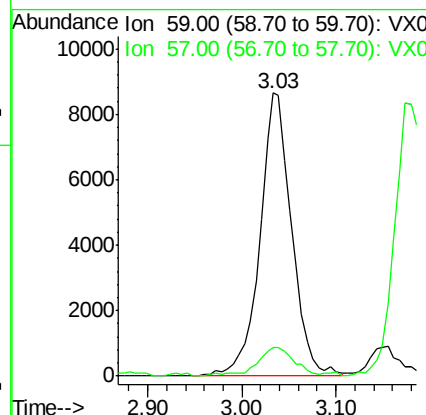
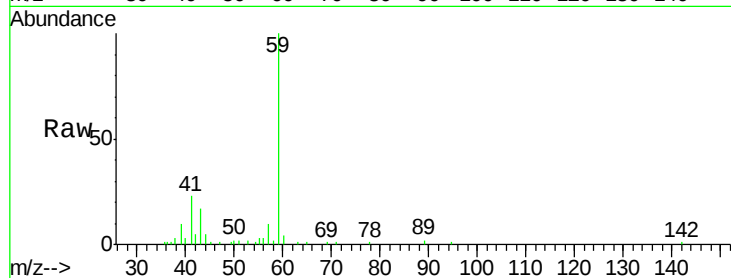
Tert butyl alcohol
 Concen: 187.540 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.0	9.0	13.6

Manual Integrations
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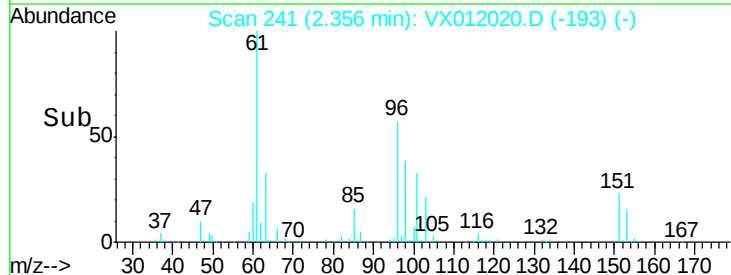
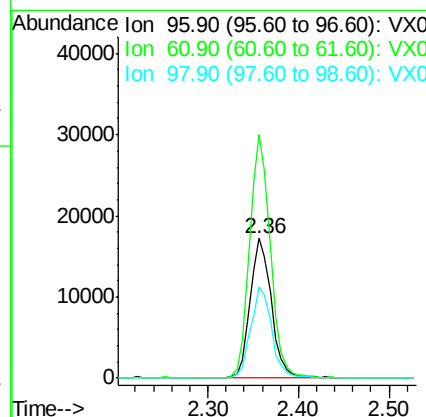
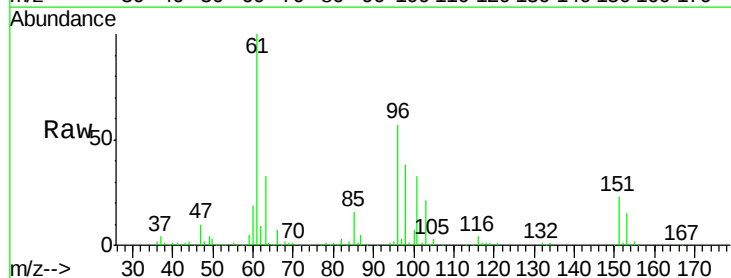
sam
 9/4/2019 4:46:19 PM

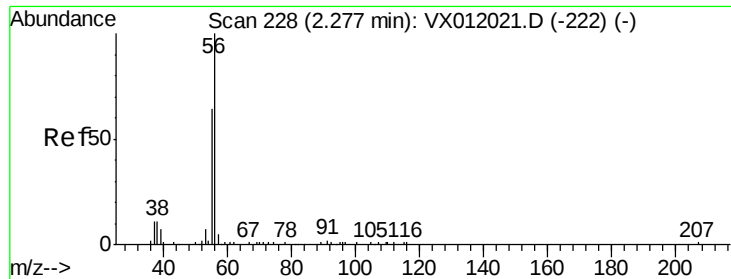


#12

1,1-Dichloroethene
 Concen: 29.271 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.6	130.2	195.4
98	65.5	51.8	77.6





#13

Acrolein

Concen: 215.019 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tot Ion: 56 Resp: 8565

Ion Ratio Lower Upper

56 100

55 62.7 57.7 86.5

Instrument :

MSVOA_X

ClientSampleId :

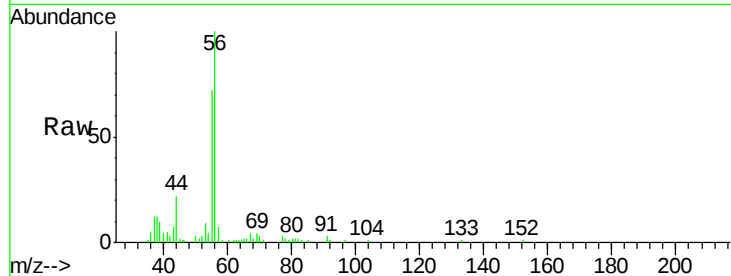
VSTDIC020

Manual Integrations

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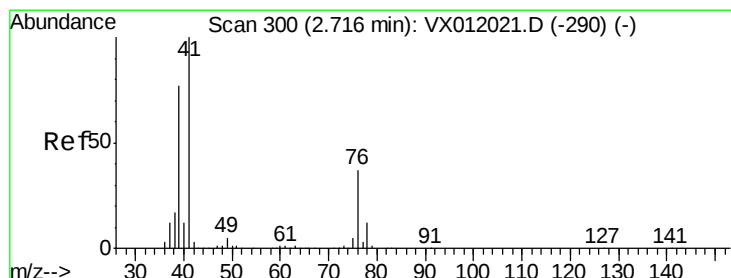
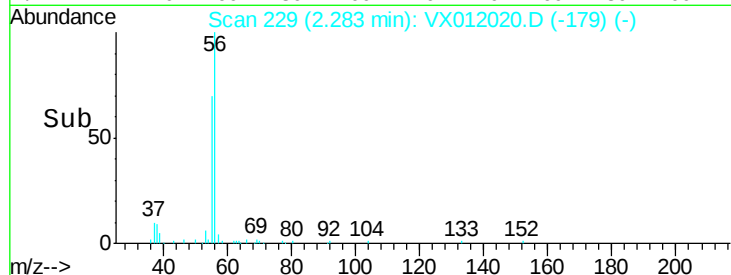
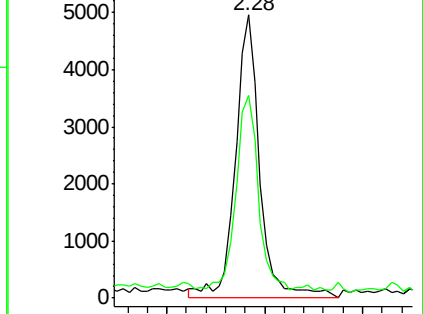
sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 31.325 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

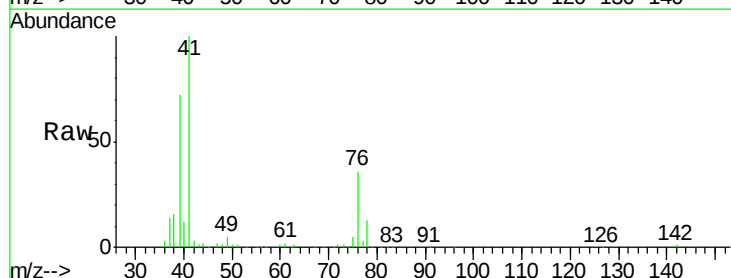
Tgt Ion: 41 Resp: 51428

Ion Ratio Lower Upper

41 100

39 73.1 59.2 88.8

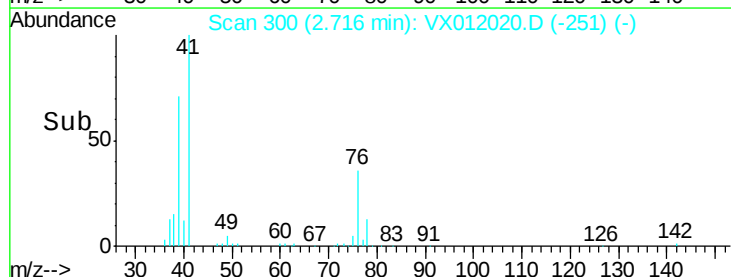
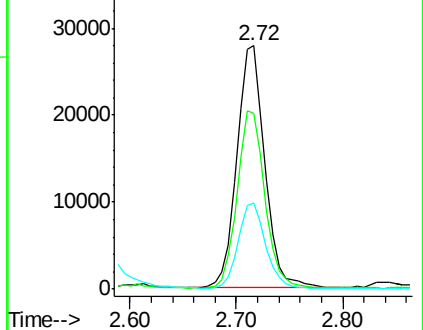
76 35.5 28.9 43.3

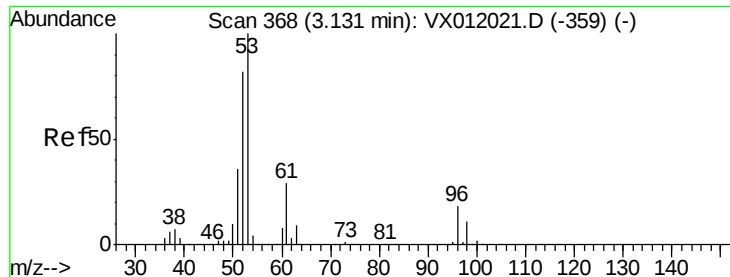


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 170.295 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

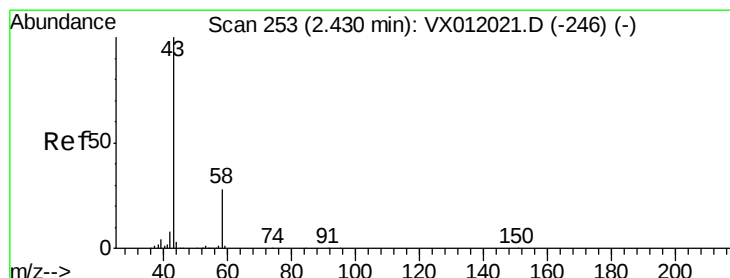
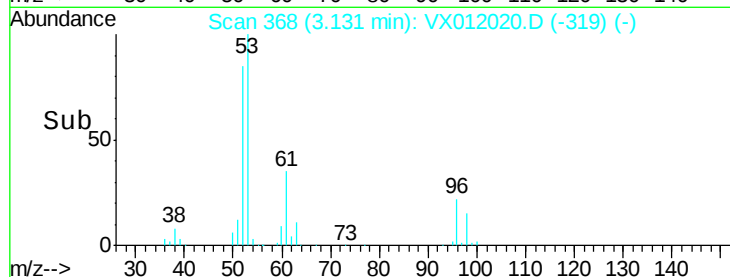
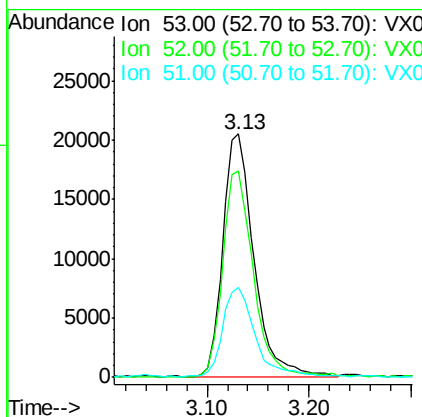
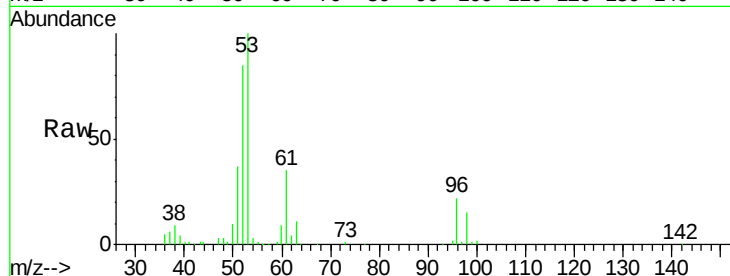
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	43676
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.0	99.0
51	38.5	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 182.441 ug/l

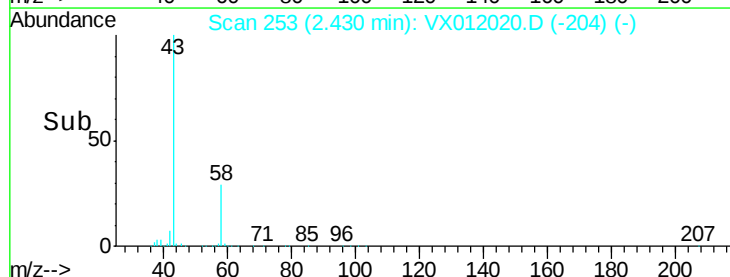
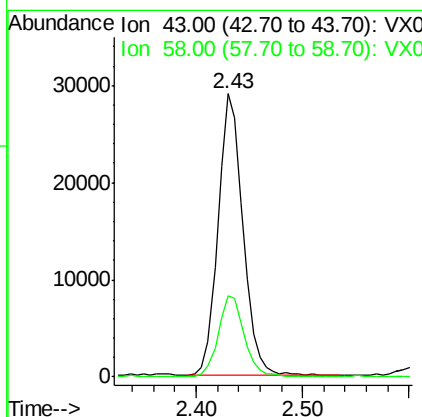
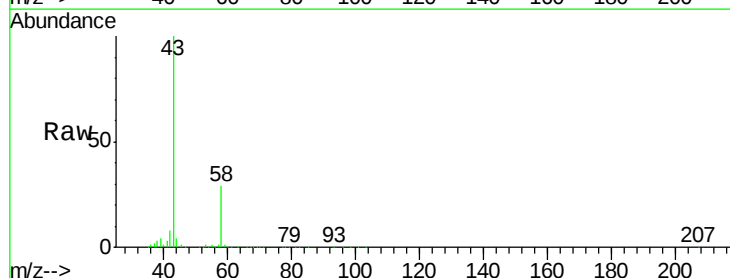
RT: 2.43 min Scan# 253

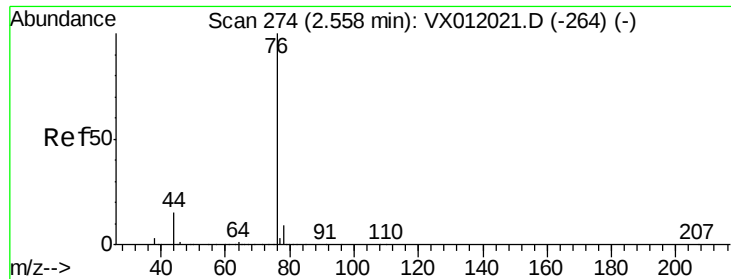
Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion:	43	Resp:	47158
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.4	33.6





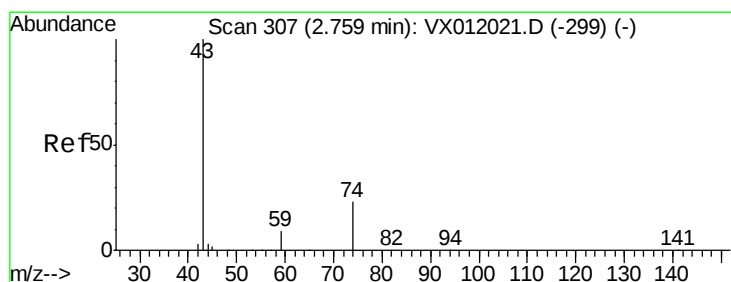
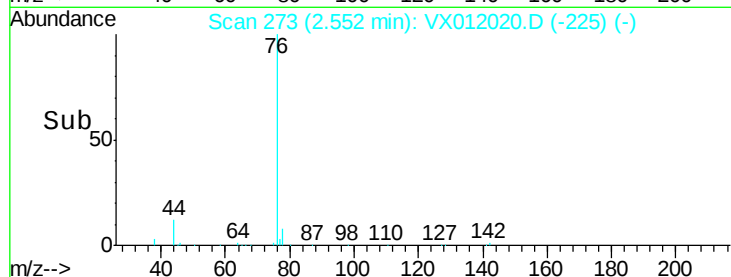
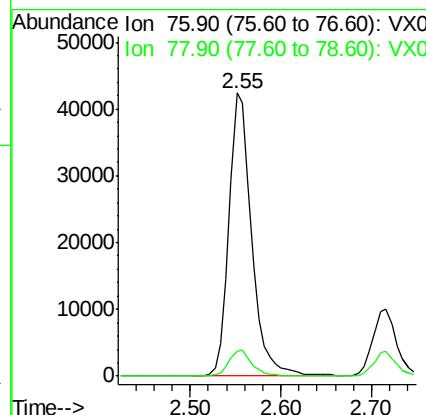
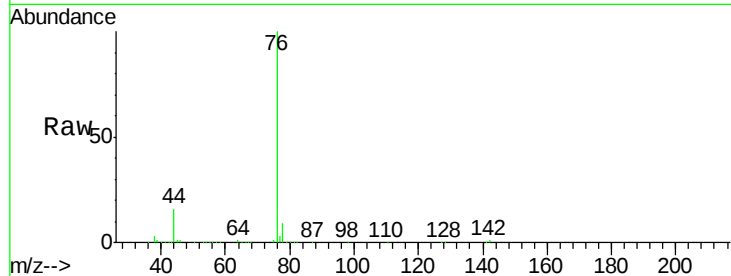
#17
Carbon Disulfide
Concen: 27.374 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.0

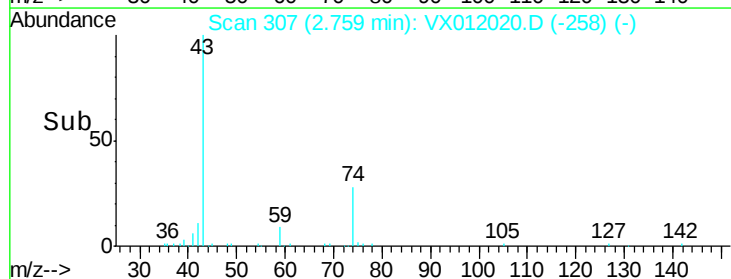
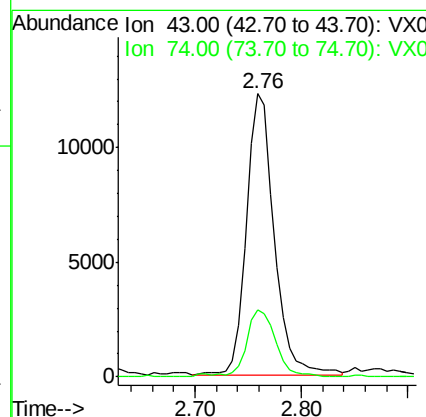
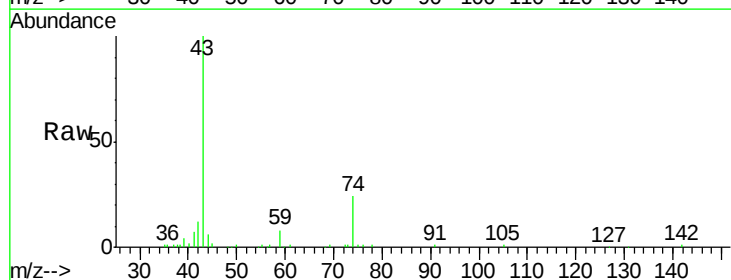
Manual Integrations
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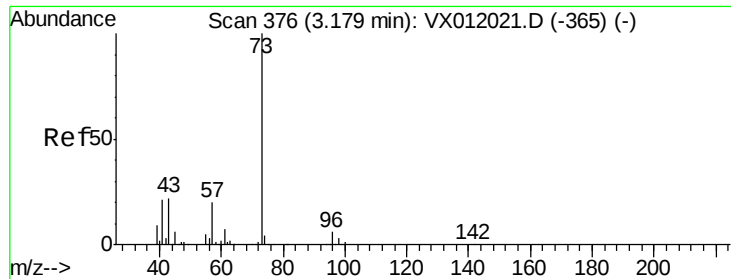
sam
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#18
Methyl Acetate
Concen: 33.518 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.7	29.5





#19

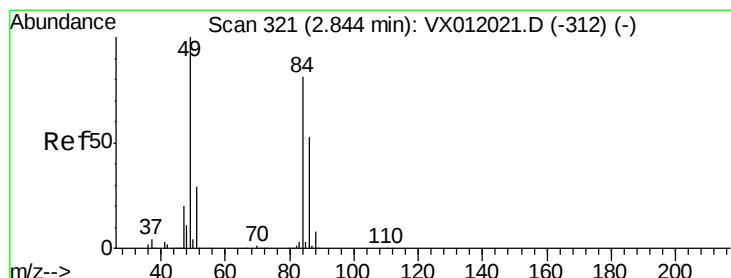
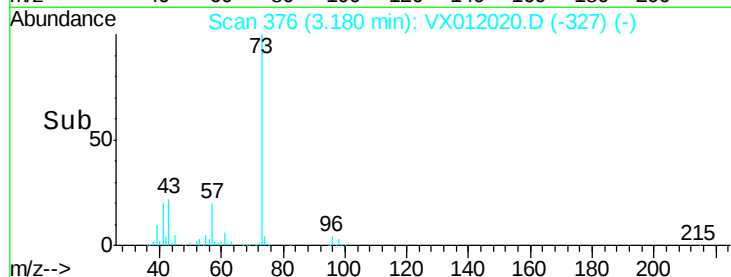
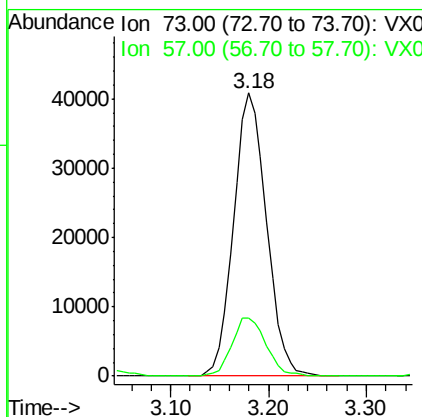
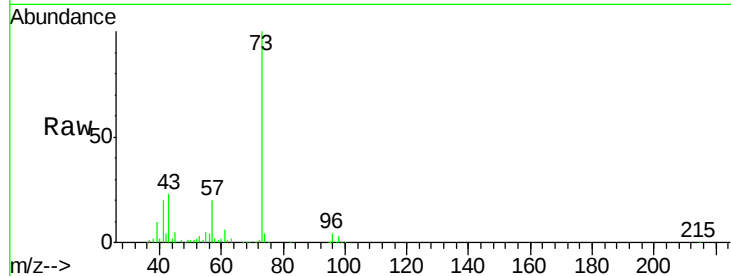
Methyl tert-butyl Ether
 Concen: 33.402 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	73	Resp	95388
Ion Ratio	100	Lower	Upper
73	100		
57	20.2	16.3	24.5

Manual Integrations
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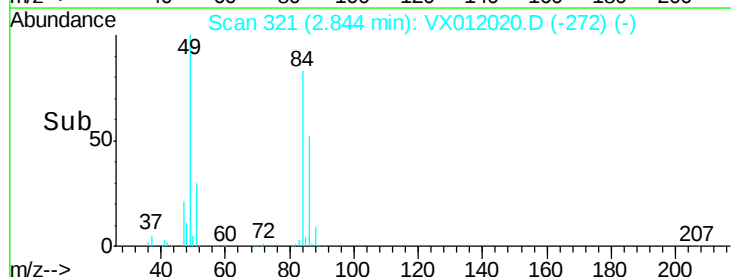
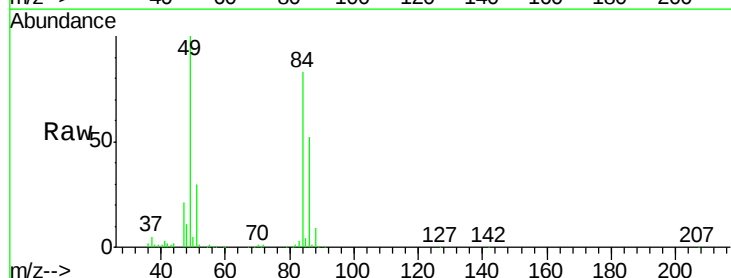
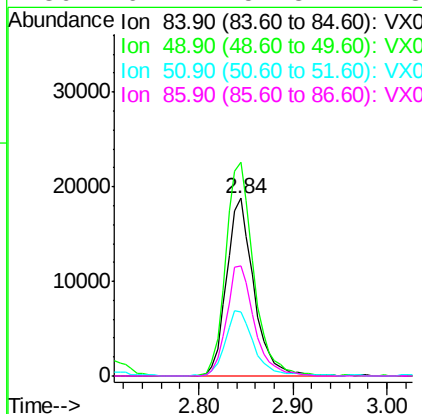
Sam
 9/4/2019 4:46:19 PM

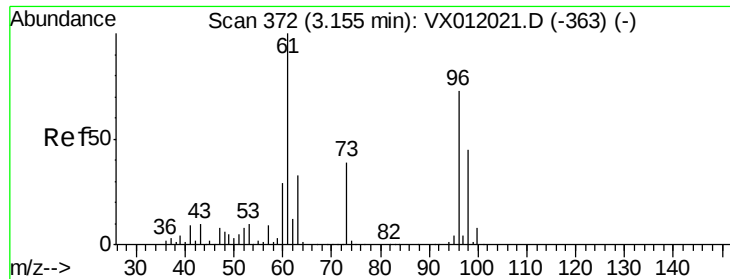


#20

Methylene Chloride
 Concen: 32.313 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Tgt Ion	84	Resp	37726
Ion Ratio	100	Lower	Upper
84	100		
49	120.3	98.4	147.6
51	36.0	29.0	43.4
86	62.1	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 28.609 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

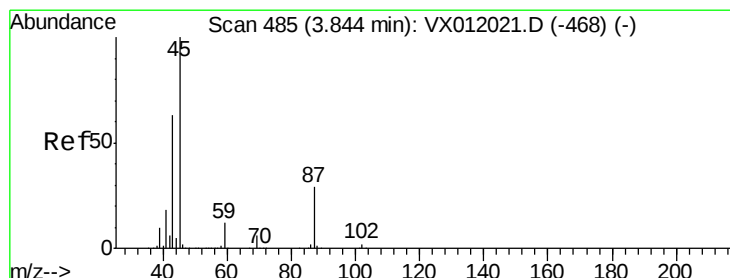
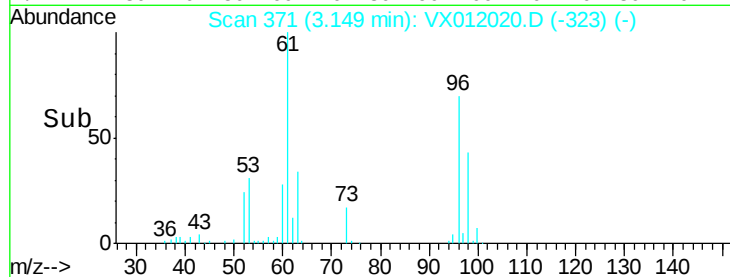
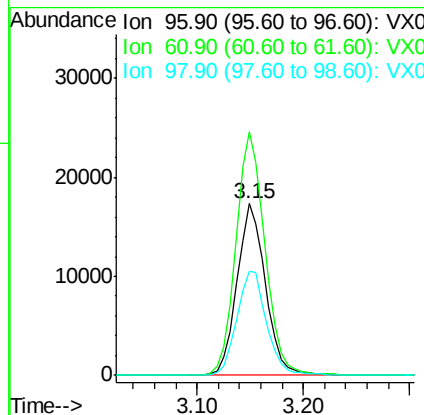
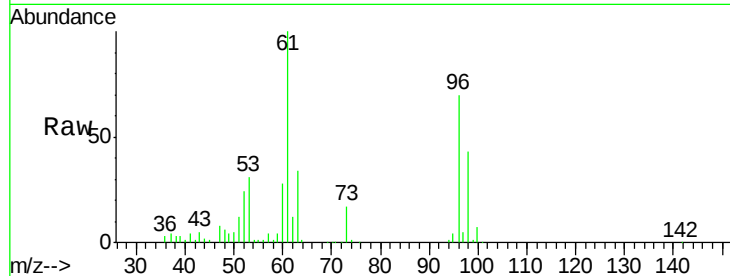
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	32577
Ion	Ratio	Lower	Upper
96	100		
61	141.5	109.6	164.4
98	60.5	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 32.750 ug/l

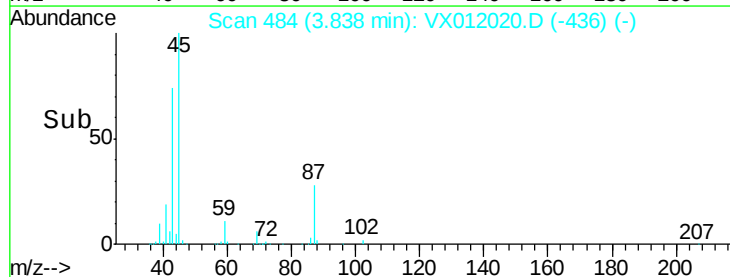
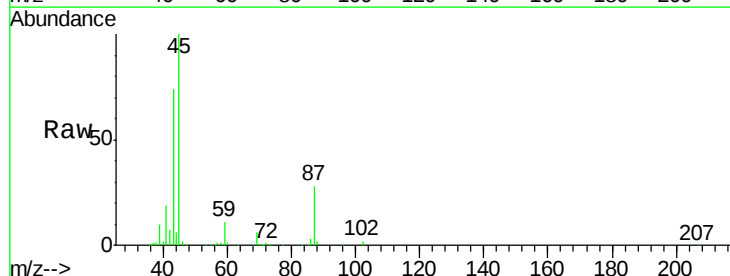
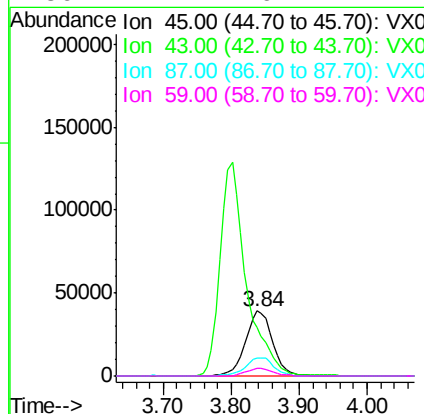
RT: 3.84 min Scan# 484

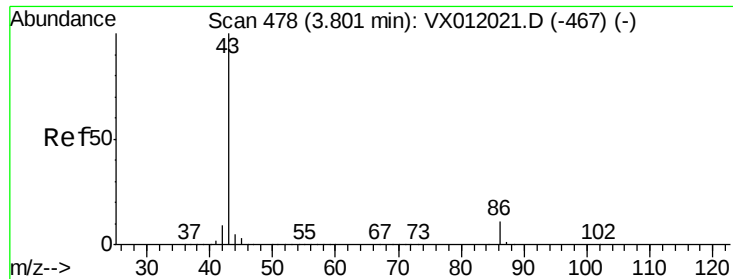
Delta R.T. -0.01 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion:	45	Resp:	108128
Ion	Ratio	Lower	Upper
45	100		
43	74.1	50.6	76.0
87	28.0	23.4	35.0
59	11.2	9.4	14.2





#23

Vinyl Acetate

Concen: 166.597 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 345852

Ion Ratio Lower Upper

43 100

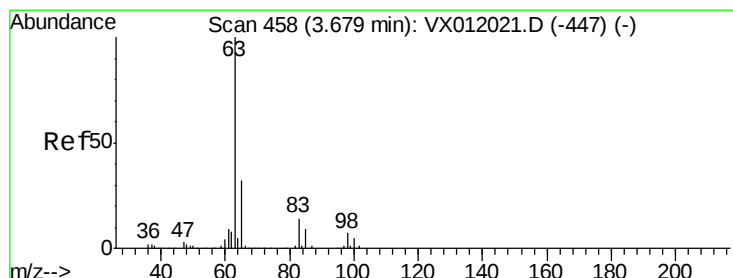
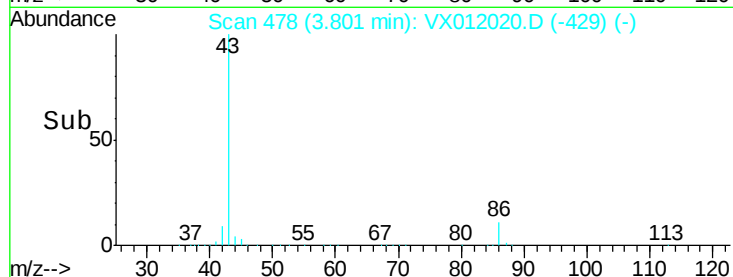
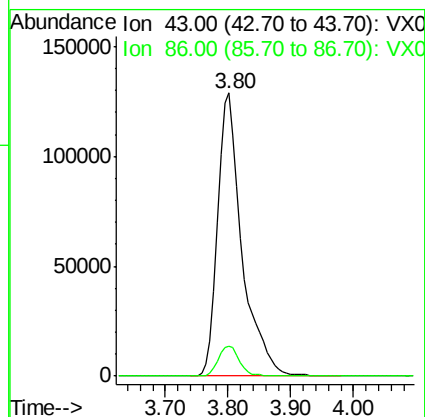
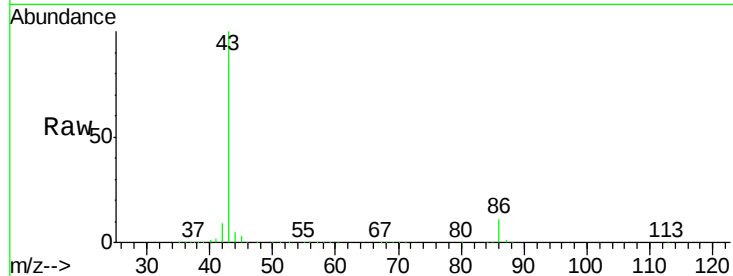
86 10.6 8.7 13.1

Manual Integrations

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sam

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#24

1,1-Dichloroethane

Concen: 31.764 ug/l

RT: 3.68 min Scan# 458

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

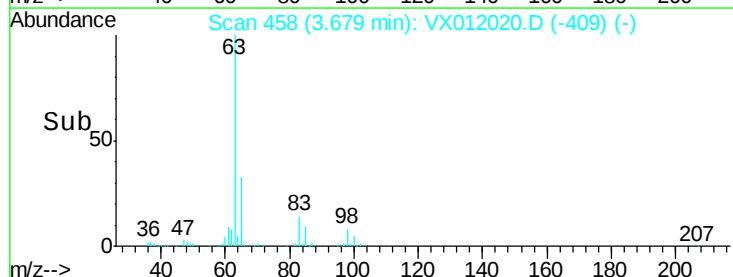
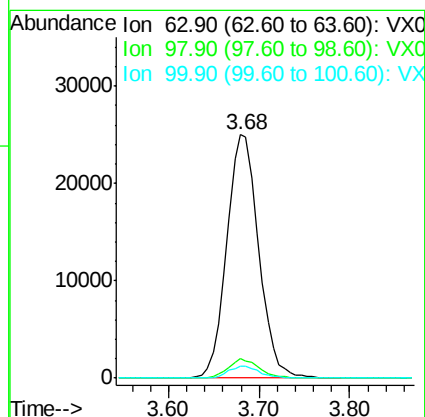
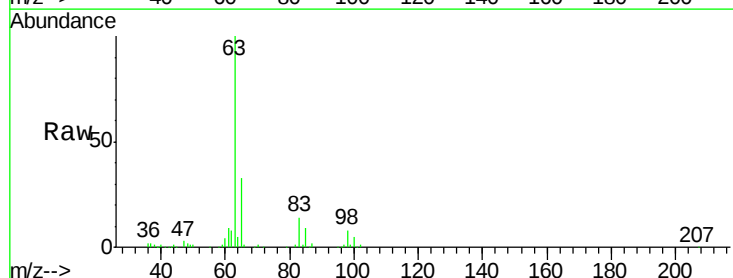
Tgt Ion: 63 Resp: 61161

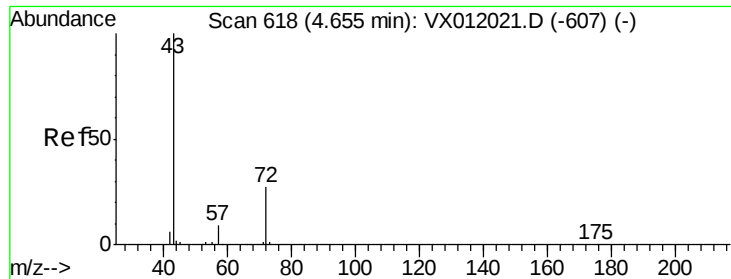
Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

100 4.8 2.5 7.6





#25

2-Butanone

Concen: 174.843 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 61569

Ion Ratio Lower Upper

43 100

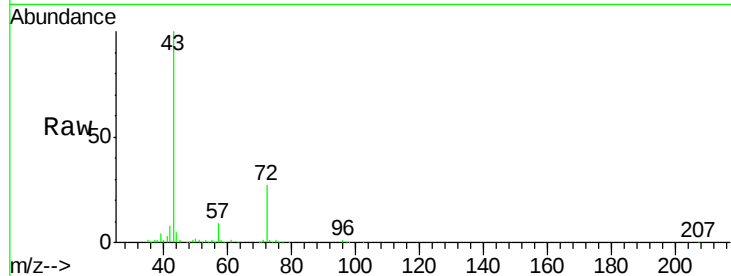
72 26.3 21.7 32.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

25000

20000

15000

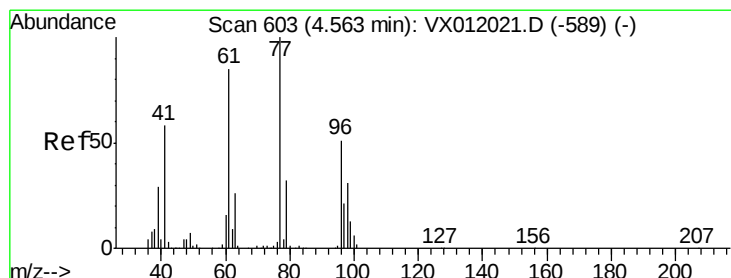
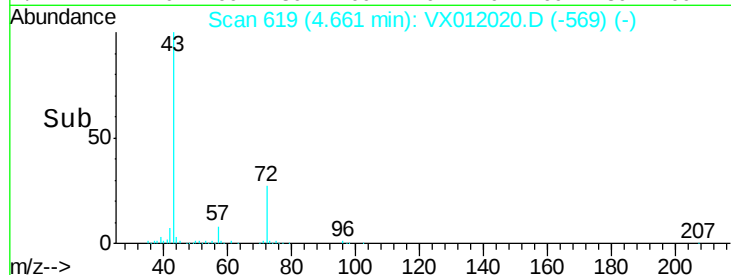
10000

5000

0

4.60 4.66 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 32.772 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX012020.D

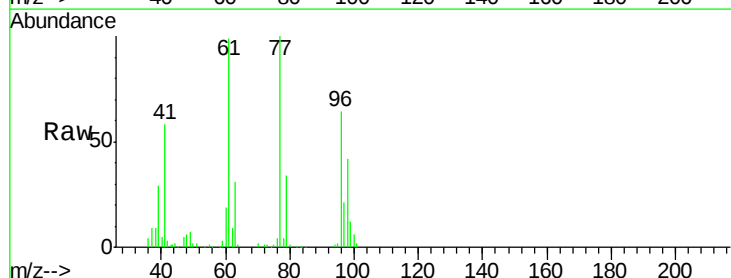
Acq: 03 Sep 2019 13:40

Tgt Ion: 77 Resp: 58532

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.7



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

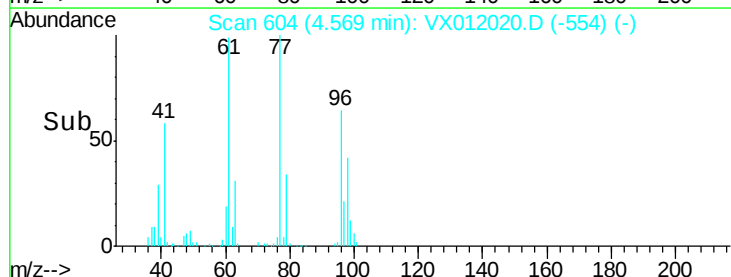
10000

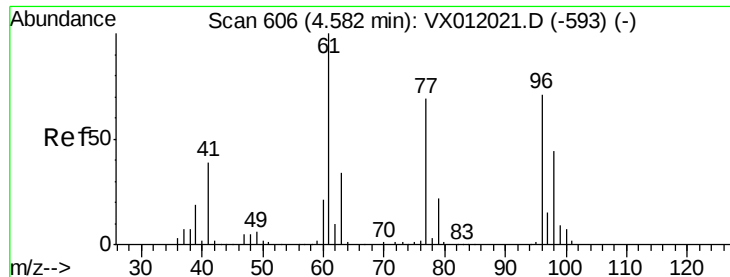
5000

0

4.40 4.50 4.57 4.60 4.70

Time-->





#27

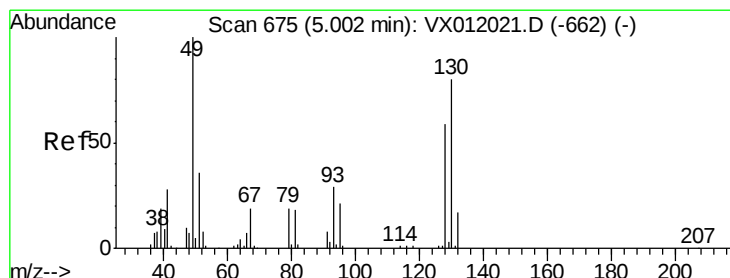
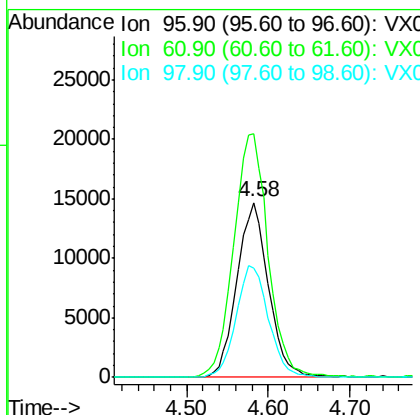
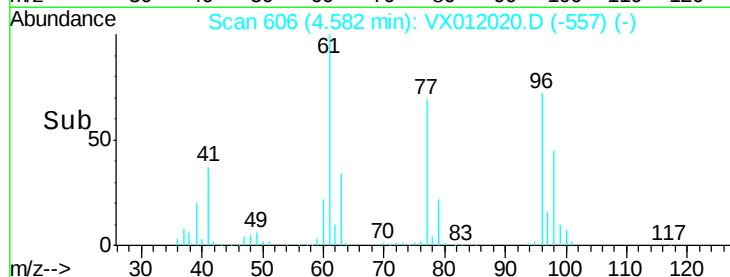
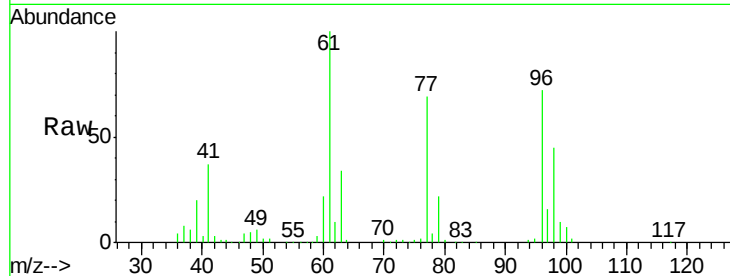
cis-1,2-Dichloroethene
Concen: 30.250 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	301.8
98	65.3	0.0	129.0

Manual Integrations
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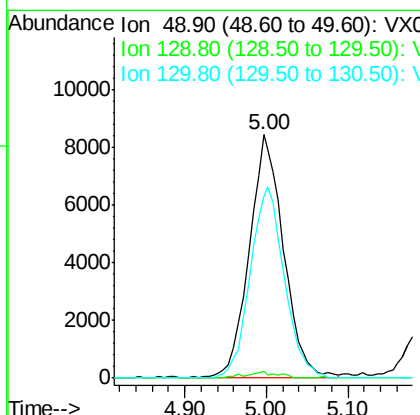
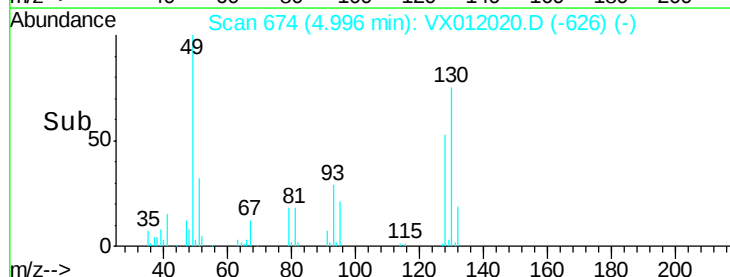
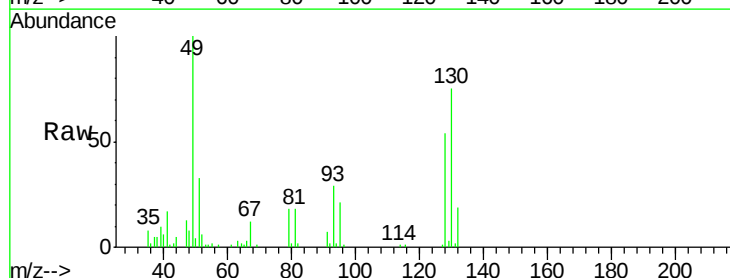
sam
9/4/2019 4:46:19 PM

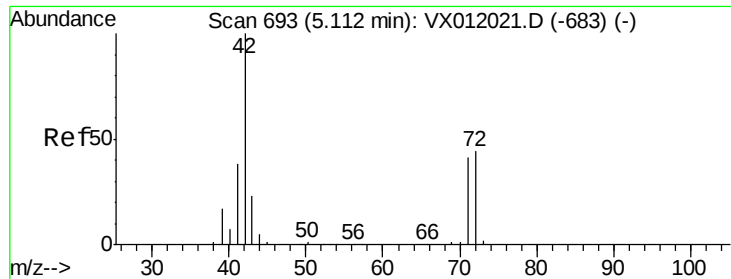


#28

Bromochloromethane
Concen: 31.215 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.8
130	78.0	62.0	93.0





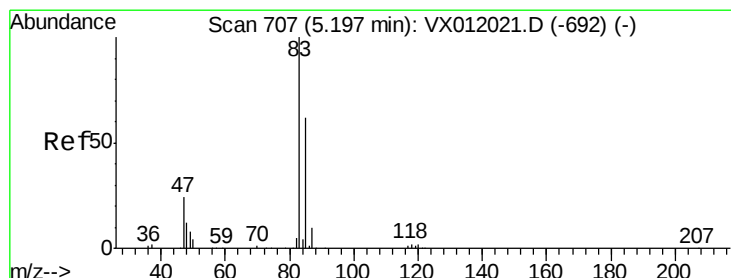
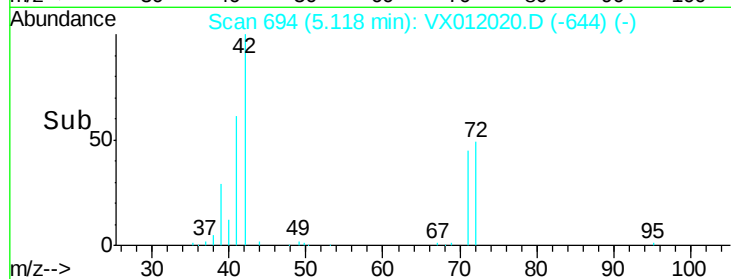
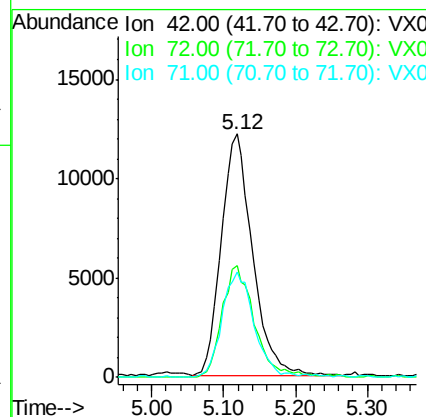
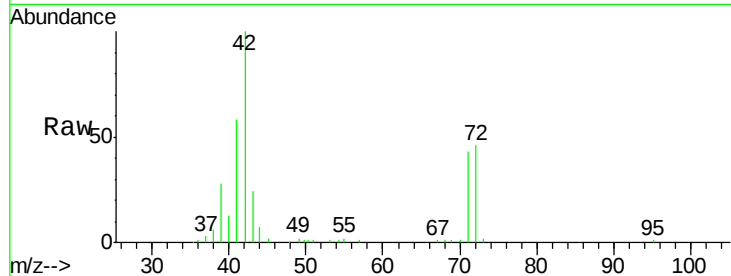
#29
Tetrahydrofuran
Concen: 169.232 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.8	56.8
71	45.2	34.9	52.3

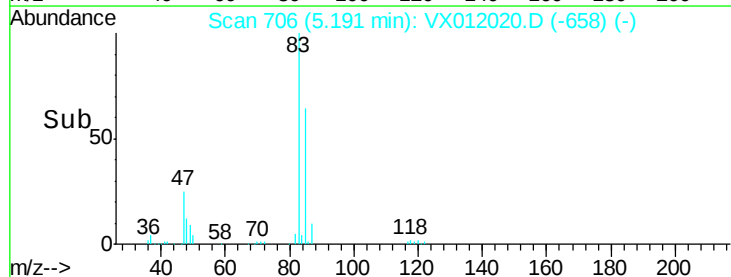
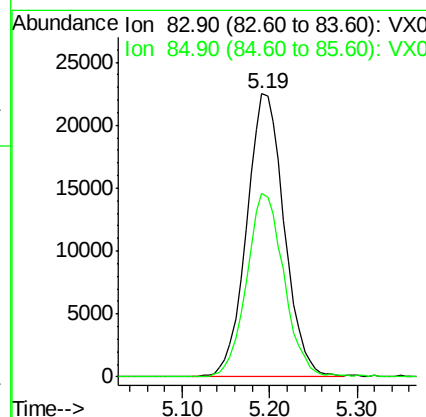
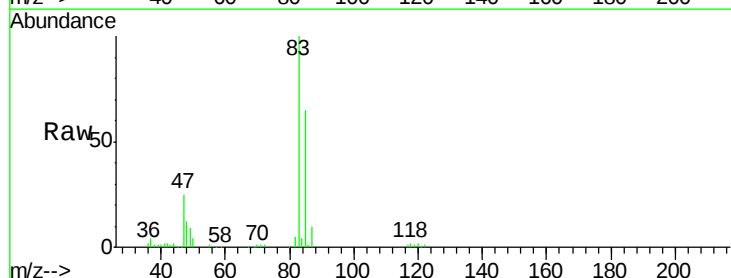
Manual Integrations
APPROVED

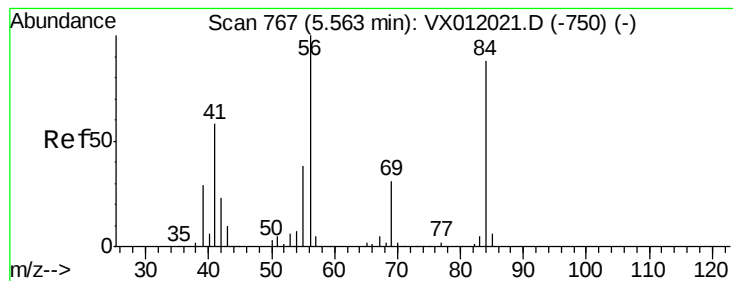
sam
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#30
Chloroform
Concen: 31.782 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.6	74.4





#31

Cyclohexane

Concen: 30.882 ug/l

RT: 5.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

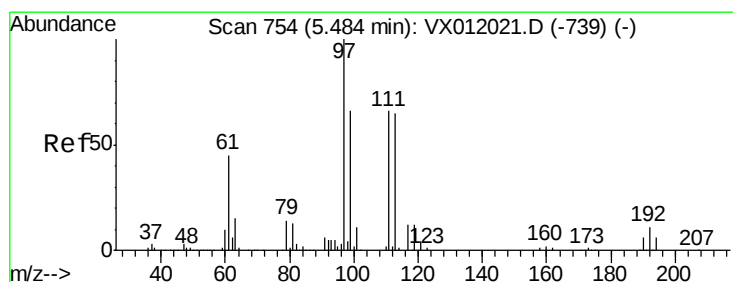
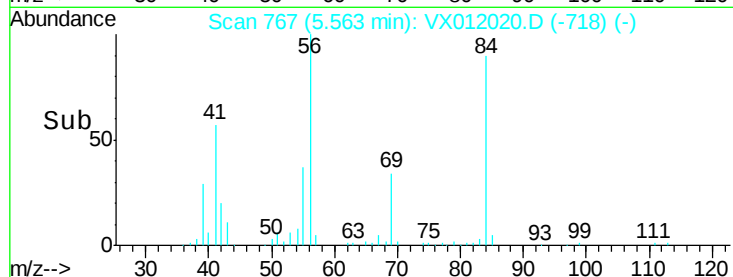
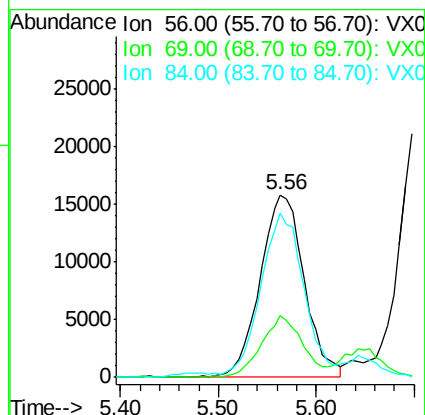
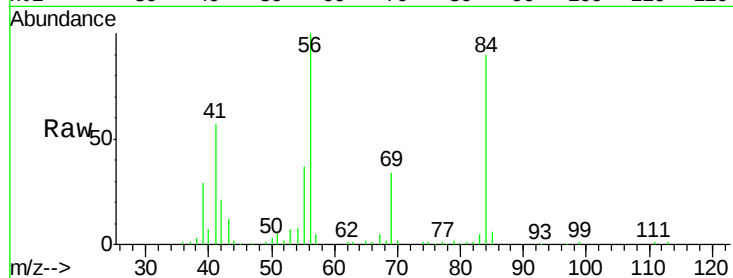
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	49538
Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.0	37.6
84	88.2	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 29.954 ug/l

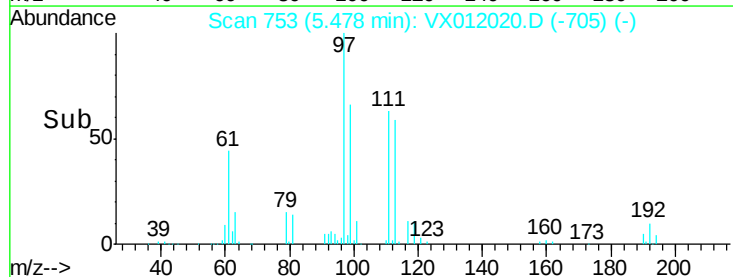
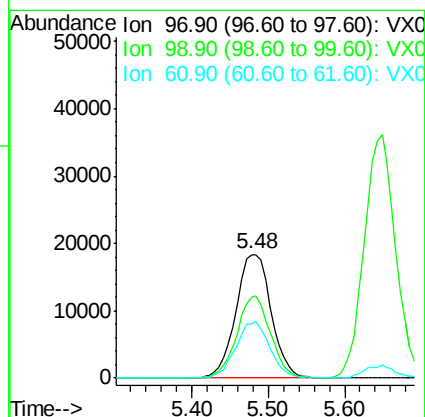
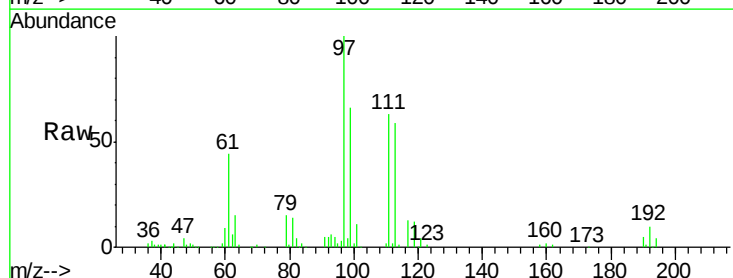
RT: 5.48 min Scan# 753

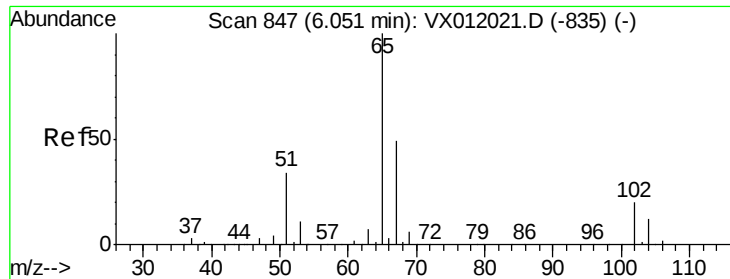
Delta R.T. -0.01 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion:	97	Resp:	58898
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.4	77.0
61	44.3	35.6	53.4





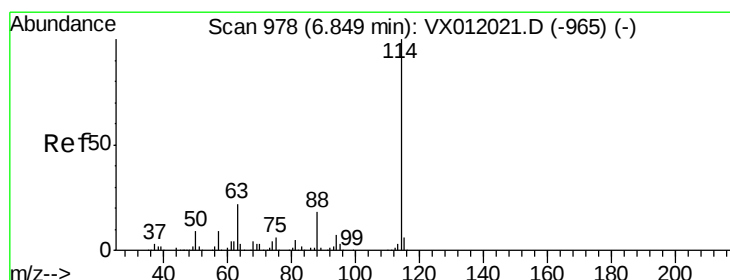
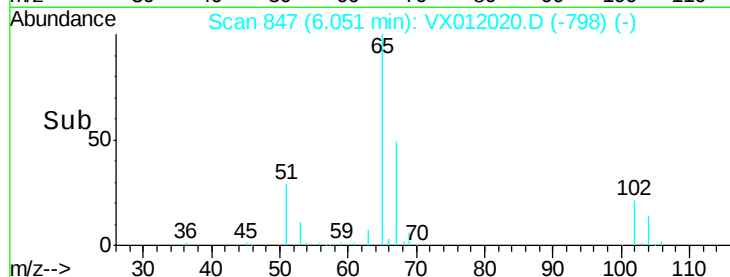
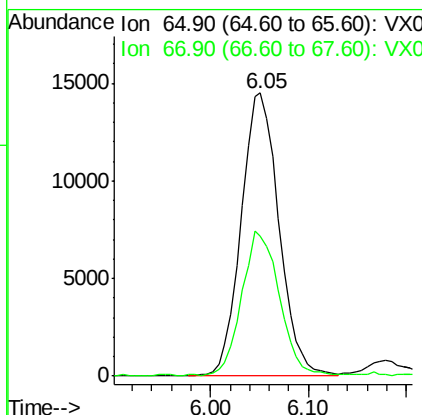
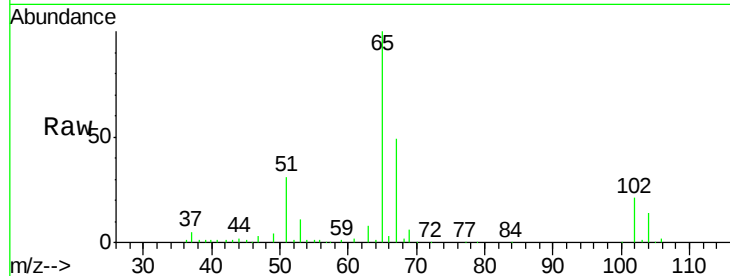
#33
 1,2-Dichloroethane-d4
 Concen: 29.566 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	101.0

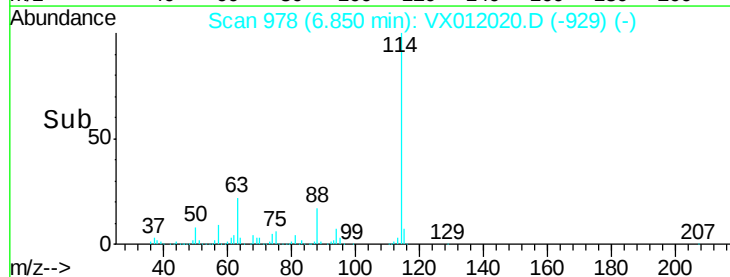
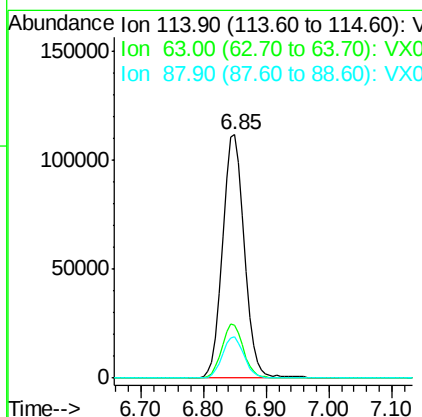
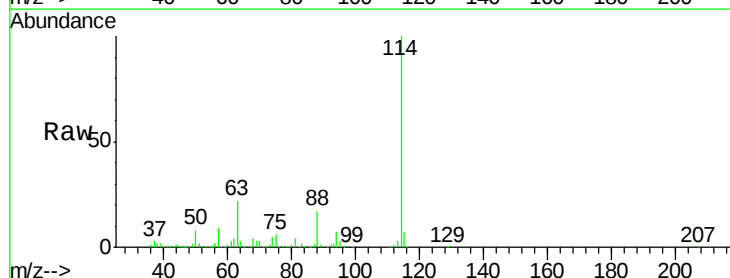
Manual Integrations
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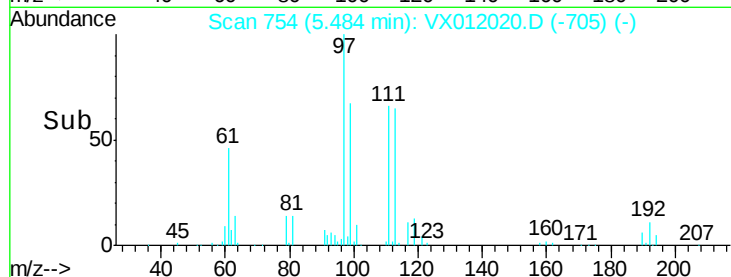
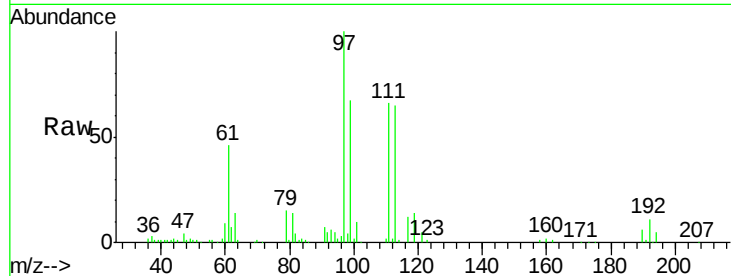
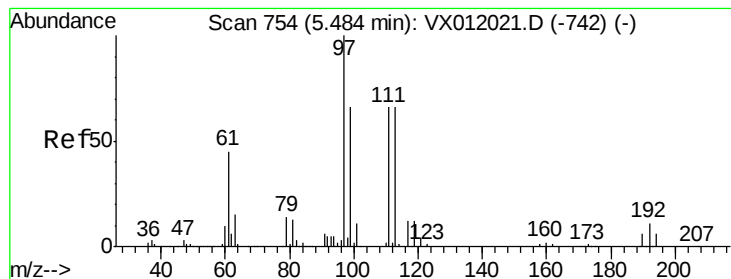
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.8
88	16.9	0.0	35.2





#35

Dibromofluoromethane

Concen: 19.077 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tot Ion:	113	Resp:	33725
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	16.7	13.3	19.9

Instrument :

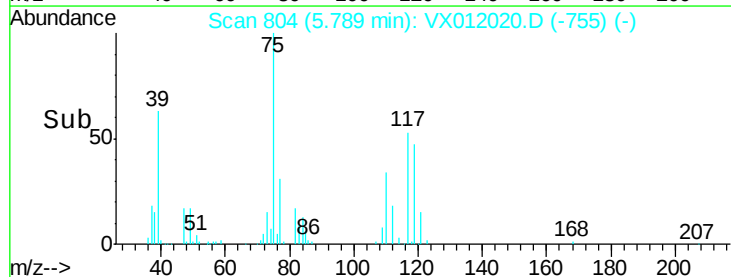
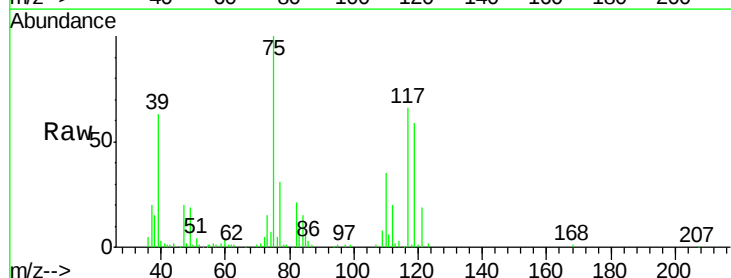
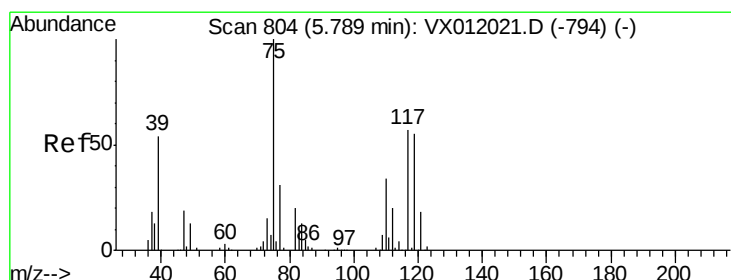
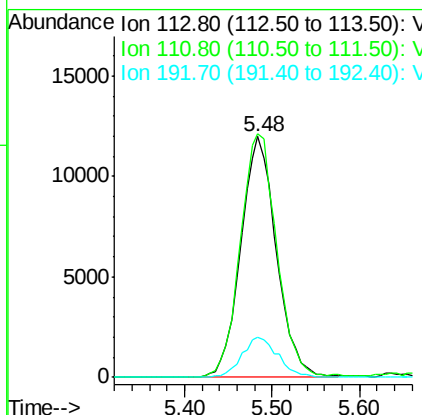
MSVOA_X

ClientSampleId :

VSTDIC020

Manual Integrations
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sam
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#36

1,1-Dichloropropene

Concen: 22.202 ug/l

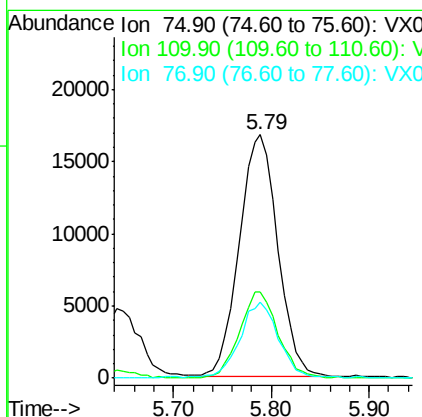
RT: 5.79 min Scan# 804

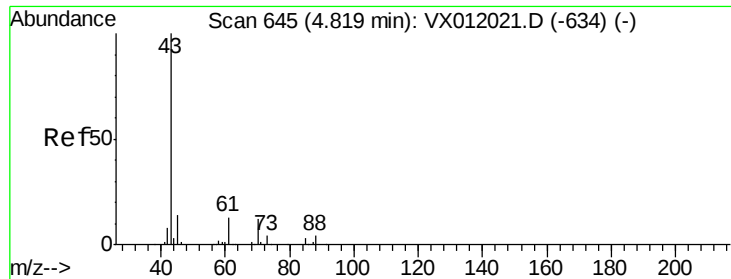
Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion:	75	Resp:	45803
Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.4	52.2
77	31.6	24.5	36.7





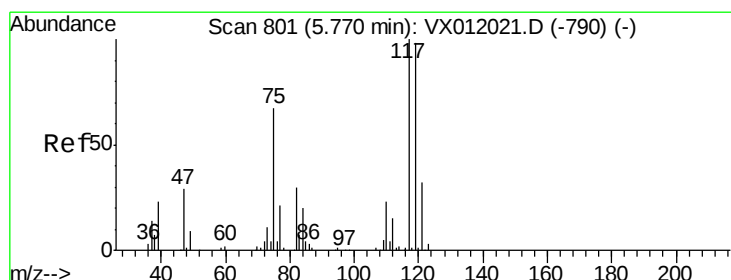
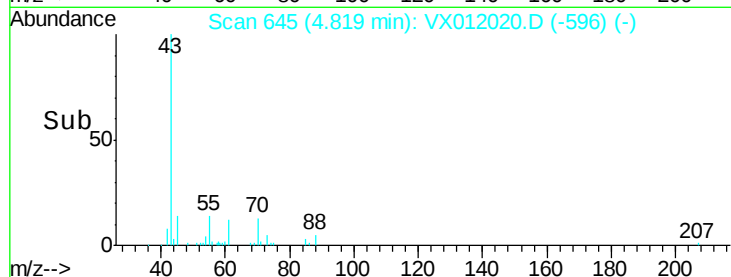
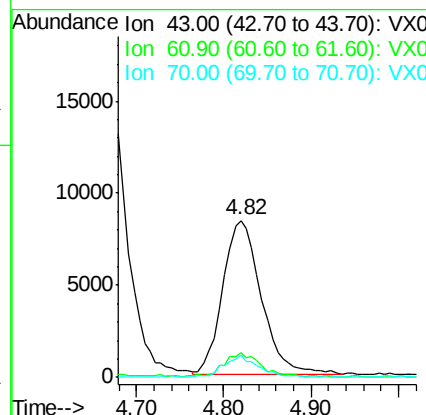
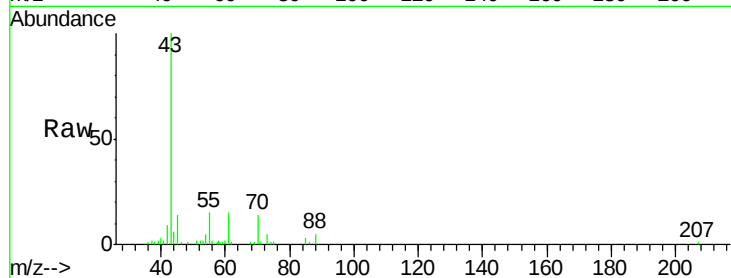
#37
Ethyl Acetate
Concen: 24.678 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	25486
Ion Ratio	Lower	Upper	
43	100		
61	15.6	10.7	16.1
70	13.0	10.0	15.0

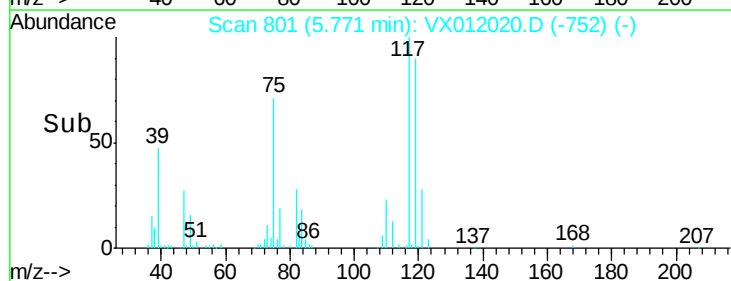
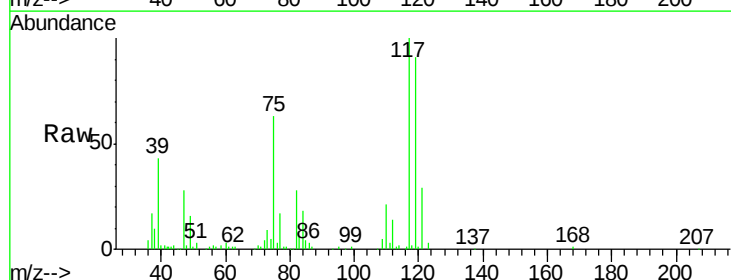
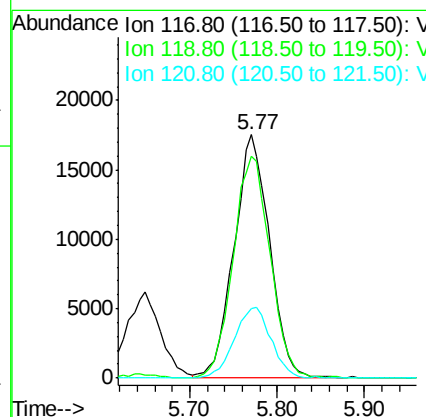
Manual Integrations
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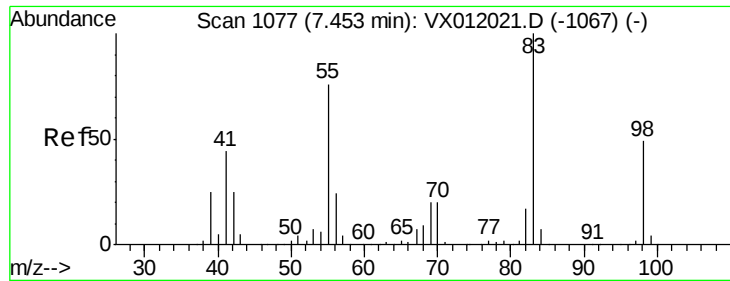
sam
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#38
Carbon Tetrachloride
Concen: 19.654 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Tgt Ion	117	Resp	49306
Ion Ratio	Lower	Upper	
117	100		
119	91.0	78.1	117.1
121	28.8	25.5	38.3





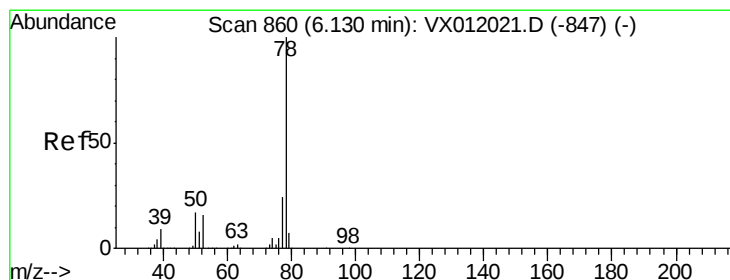
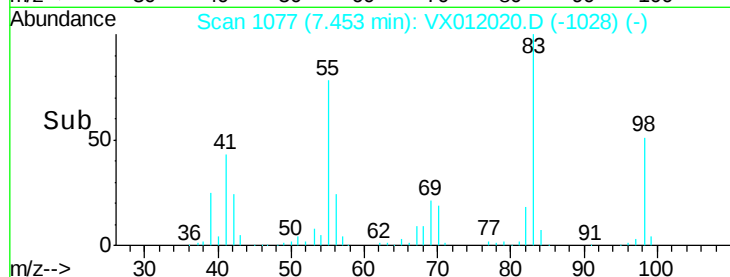
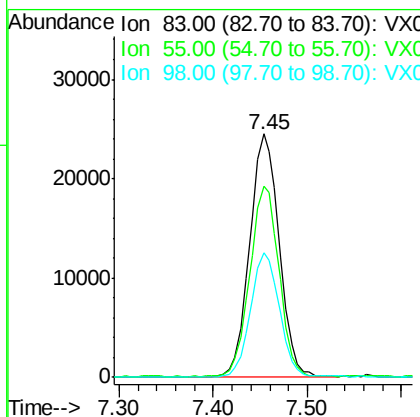
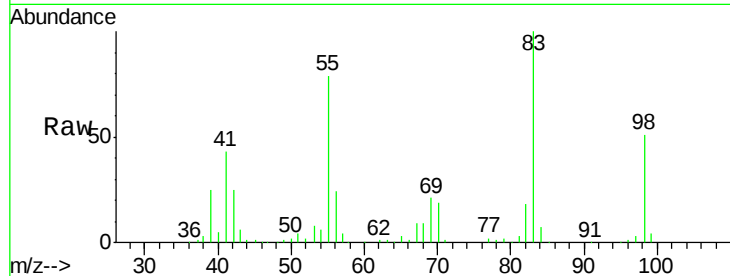
#39
Methvlcvclohexane
Concen: 21.647 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	54227
Ion	Ratio	Lower	Upper
83	100		
55	78.5	60.7	91.1
98	51.2	39.0	58.6

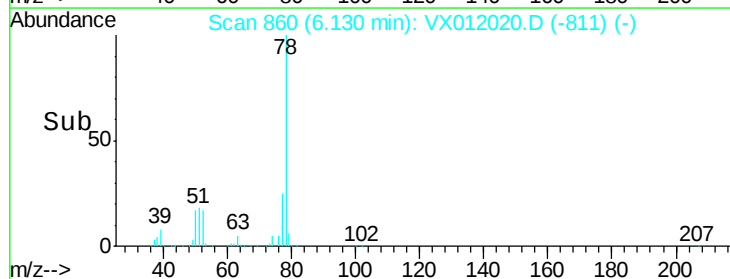
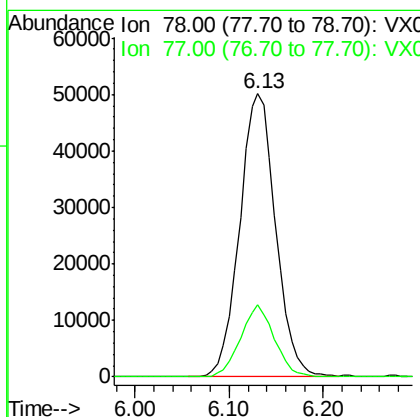
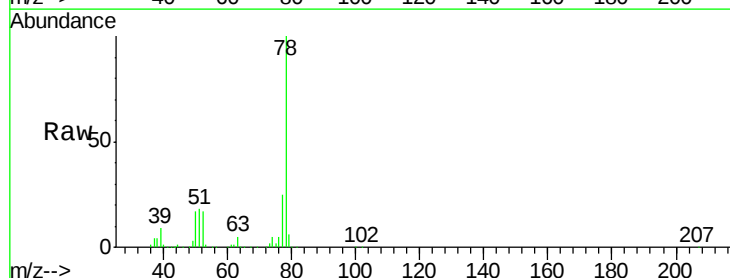
Manual Integrations
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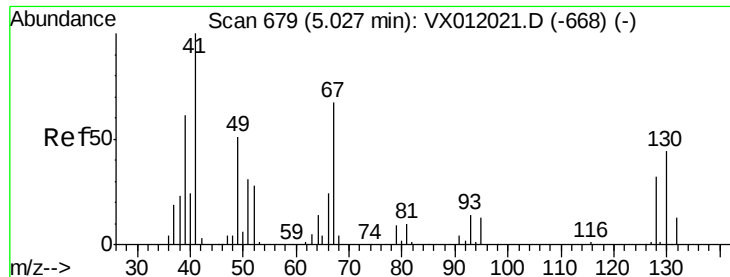
sam
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#40
Benzene
Concen: 22.470 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Tgt Ion	78	Resp	133885
Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.4	29.2





#41

Methacrylonitrile

Concen: 25.204 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012020.D

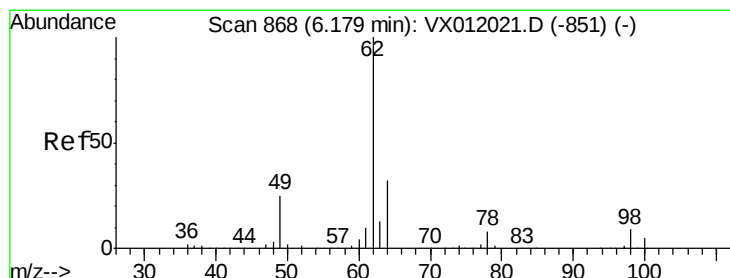
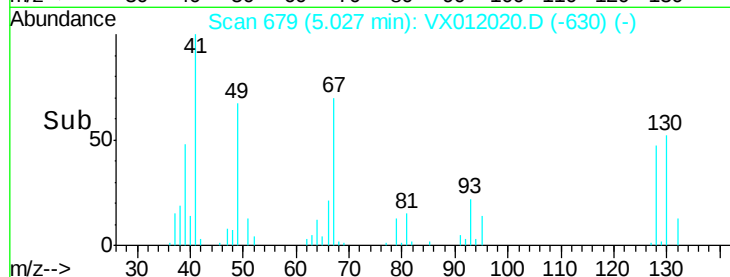
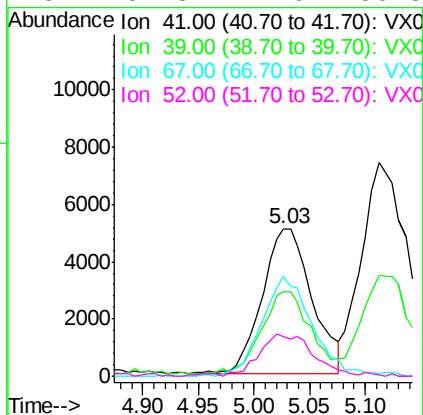
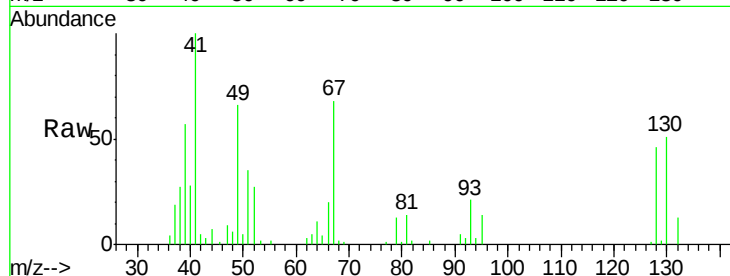
Acq: 03 Sep 2019 13:40

Tot Ion:	41	Resp:	15687
Ion	Ratio	Lower	Upper
41	100		
39	55.3	47.2	70.8
67	69.8	56.6	85.0
52	31.3	24.6	36.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

sam
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#42

1,2-Dichloroethane

Concen: 24.007 ug/l

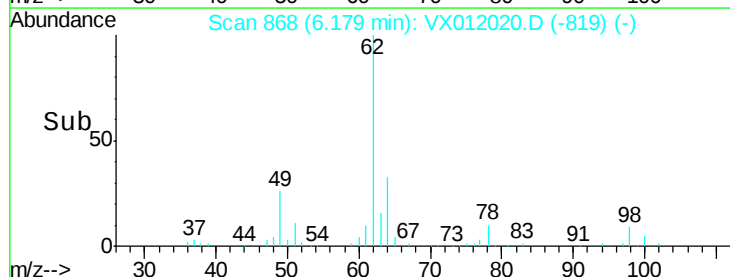
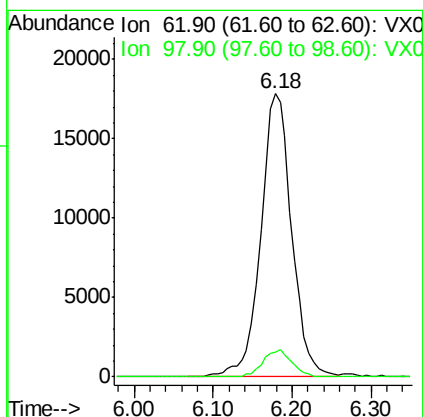
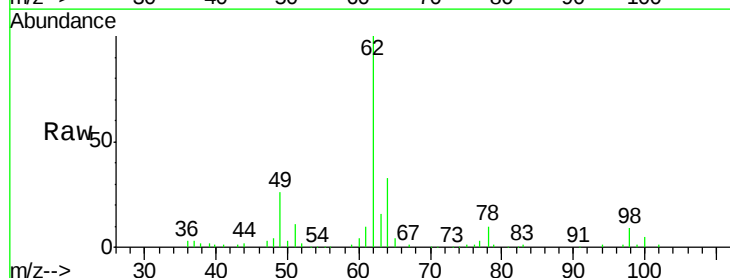
RT: 6.18 min Scan# 868

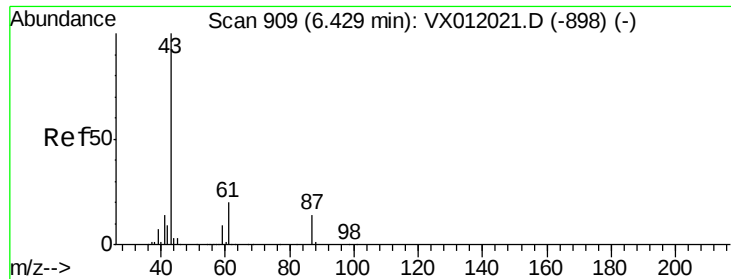
Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion:	62	Resp:	48457
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.8





#43

Isopropyl Acetate

Concen: 24.394 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

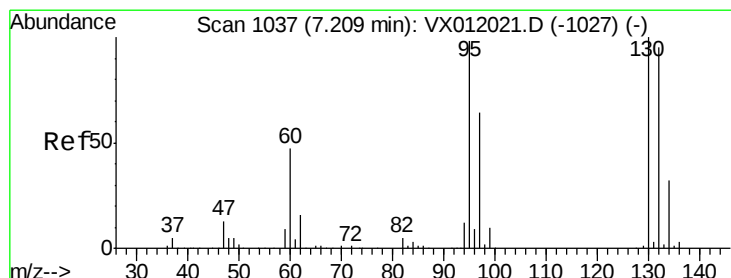
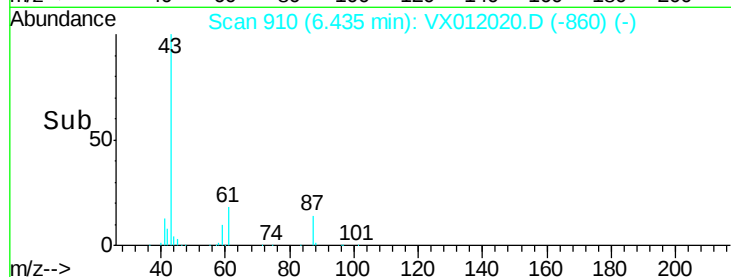
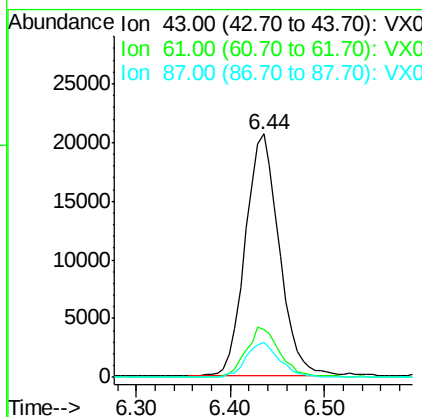
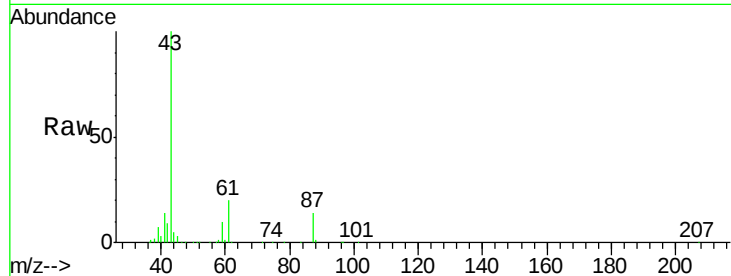
ClientSampled :

VSTDIC020

Tot Ion:	43	Resp:	52073
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.2	24.4
87	14.0	10.9	16.3

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#44

Trichloroethene

Concen: 18.367 ug/l

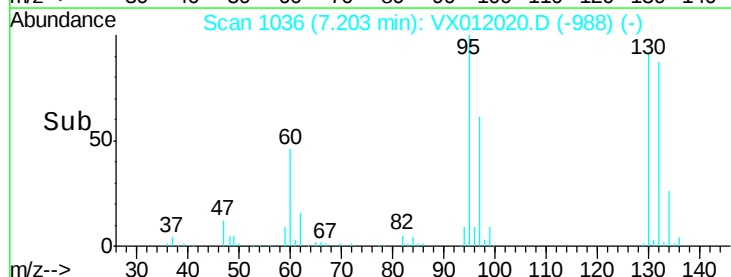
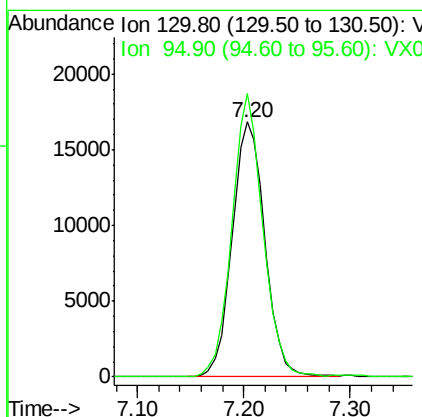
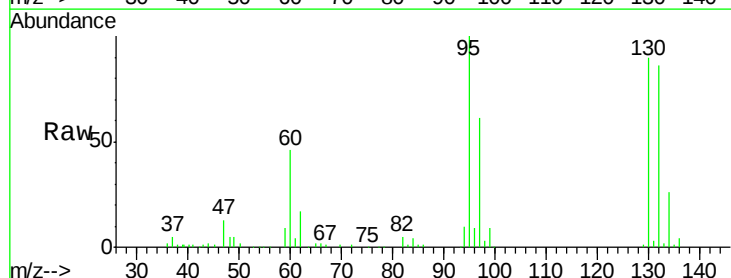
RT: 7.20 min Scan# 1036

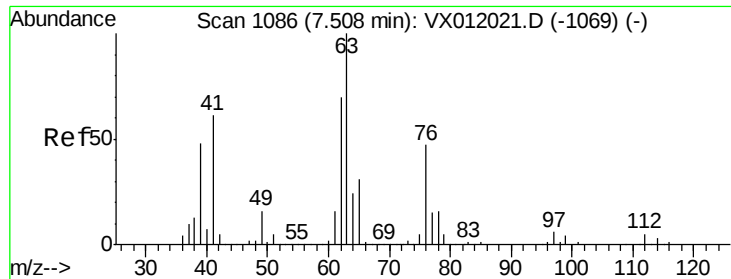
Delta R.T. -0.01 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion:	130	Resp:	36348
Ion	Ratio	Lower	Upper
130	100		
95	110.9	0.0	196.6





#45

1,2-Dichloropropane

Concen: 23.629 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 35427

Ion Ratio Lower Upper

63 100

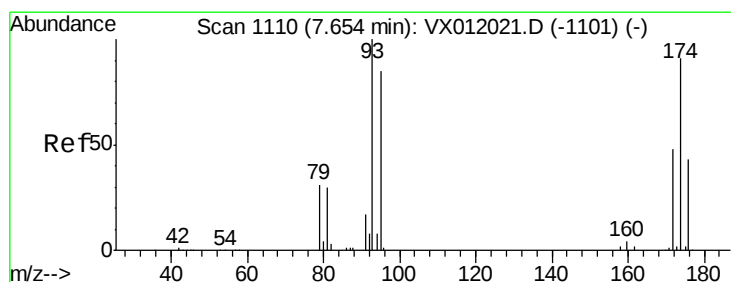
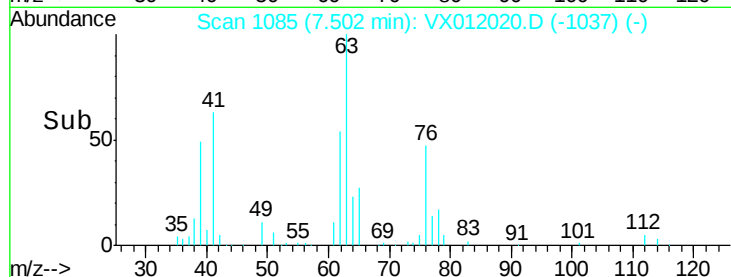
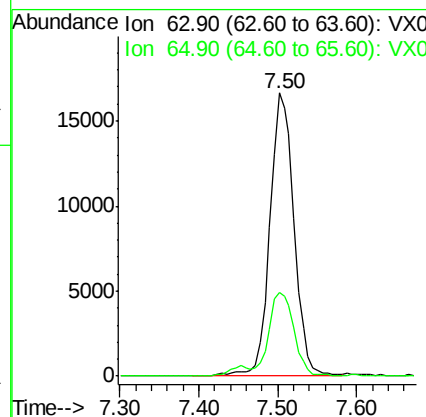
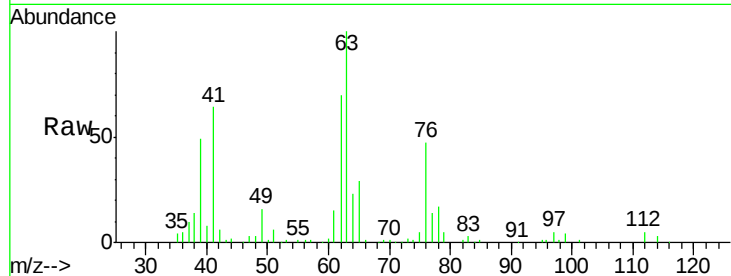
65 29.5 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 22.451 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

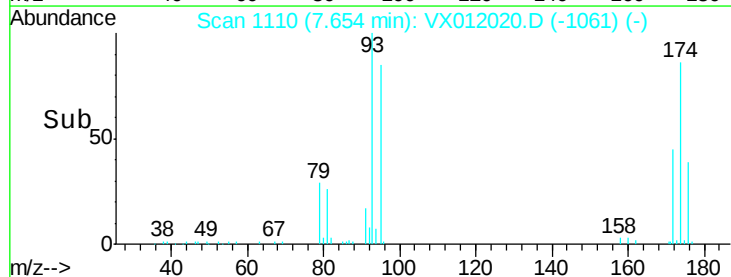
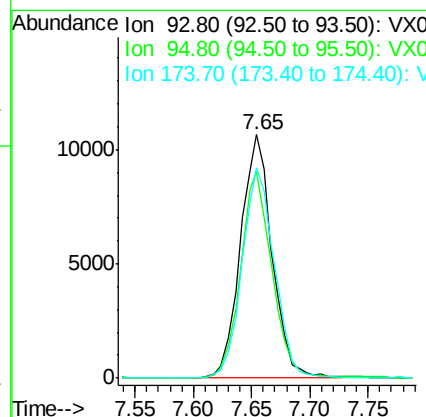
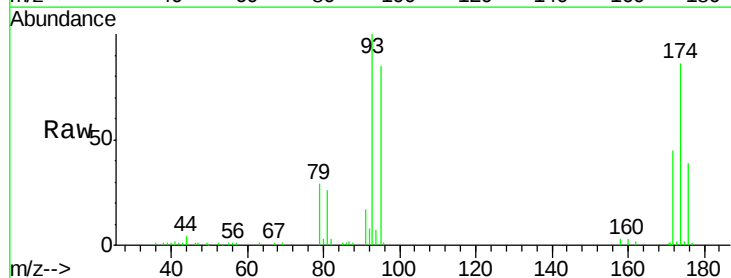
Tgt Ion: 93 Resp: 20177

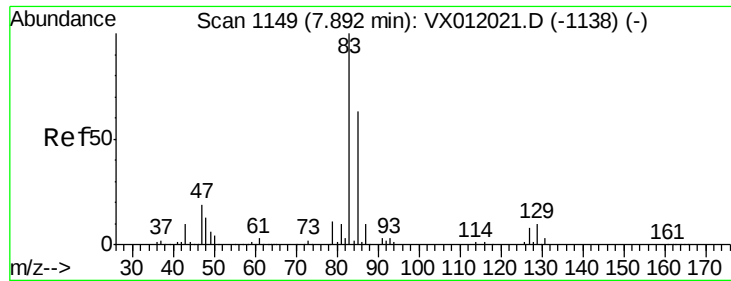
Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.6

174 88.0 70.5 105.7





#47

Bromodichloromethane

Concen: 22.864 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

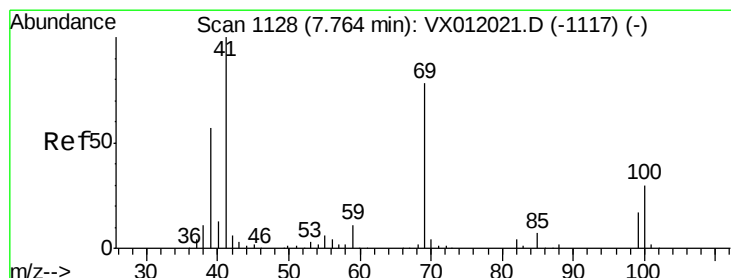
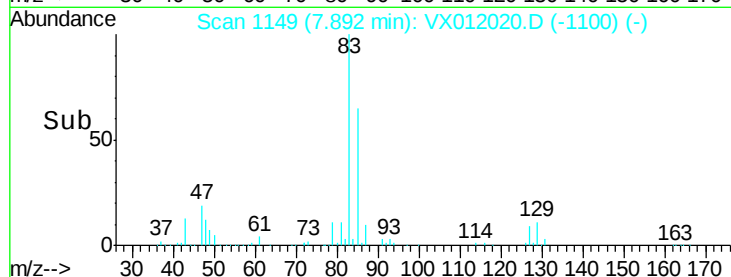
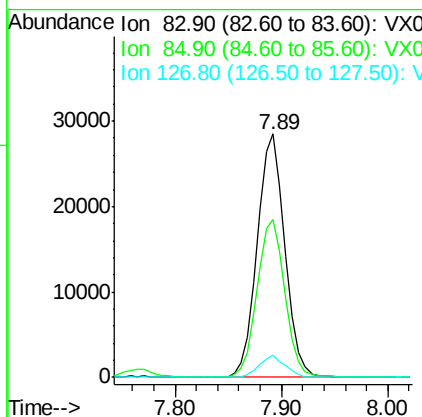
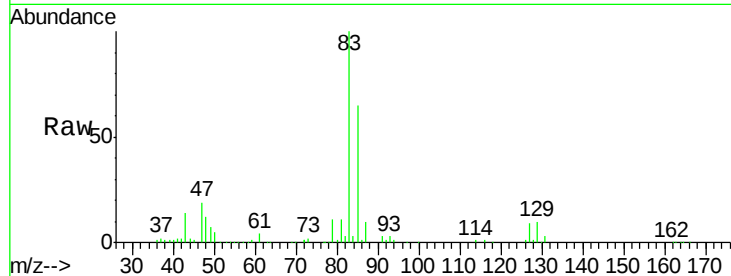
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	51872
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.4
127	8.9	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 24.716 ug/l

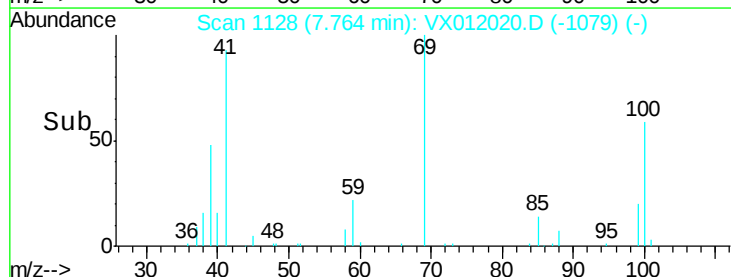
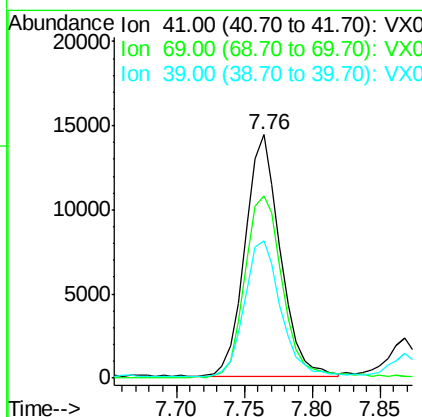
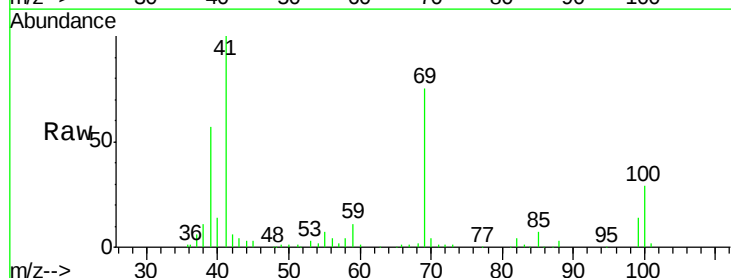
RT: 7.76 min Scan# 1128

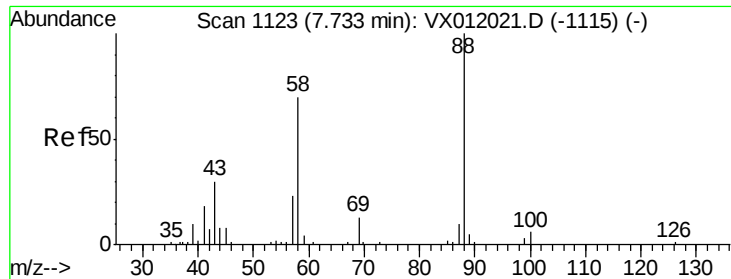
Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion:	41	Resp:	26017
Ion	Ratio	Lower	Upper
41	100		
69	82.1	63.9	95.9
39	57.8	48.4	72.6





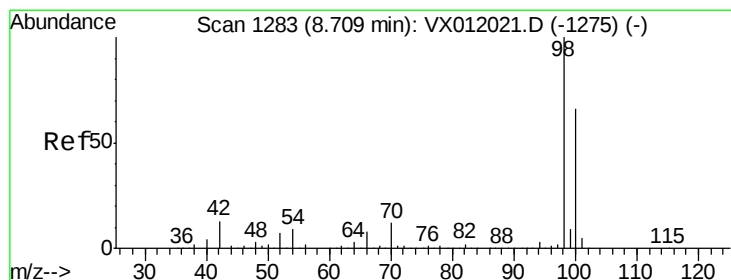
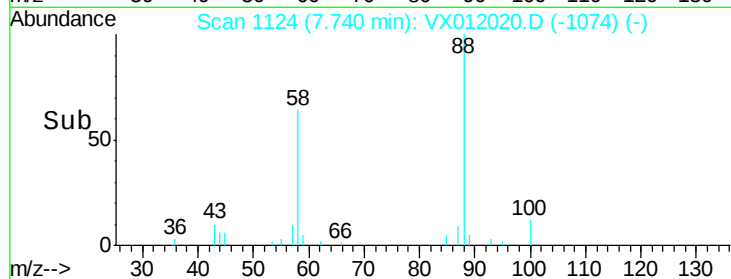
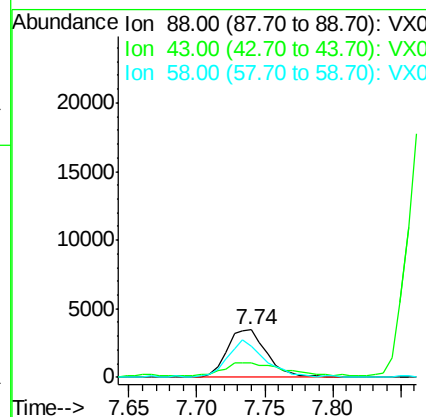
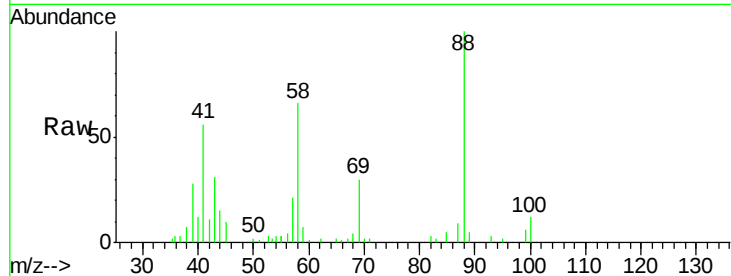
#49
1,4-Dioxane
Concen: 475.974 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.1	28.8	43.2
58	74.4	59.9	89.9

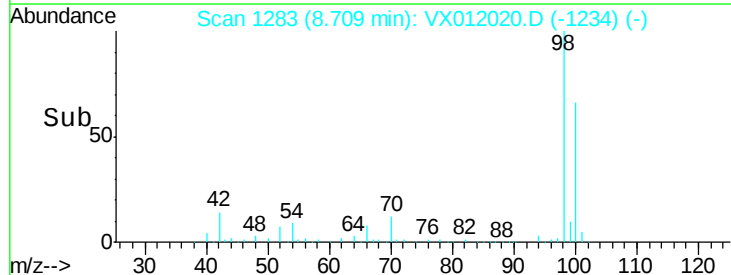
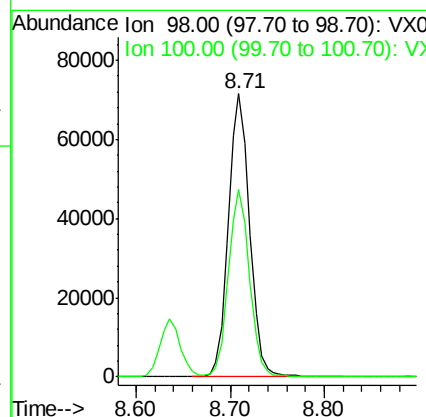
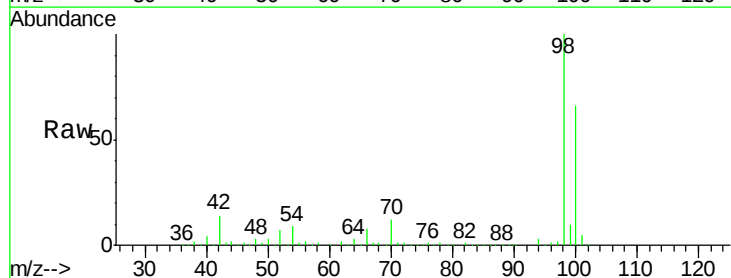
Manual Integrations
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#50
Toluene-d8
Concen: 17.994 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 125.663 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 134817

Ion Ratio Lower Upper

43 100

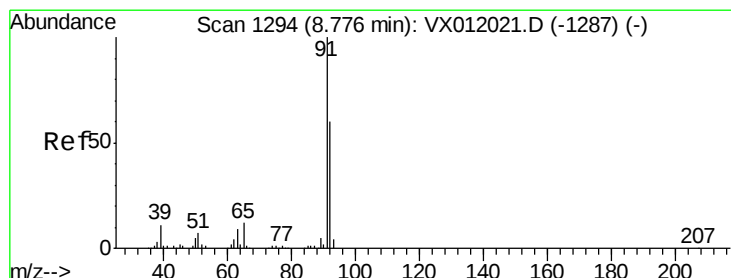
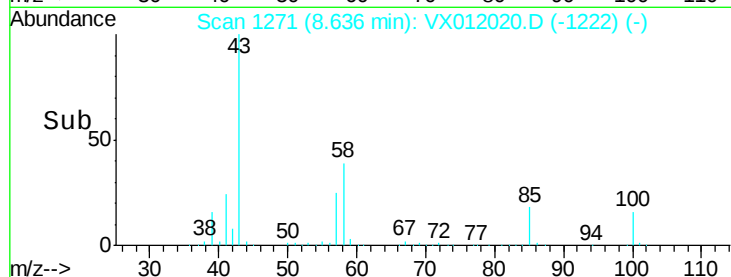
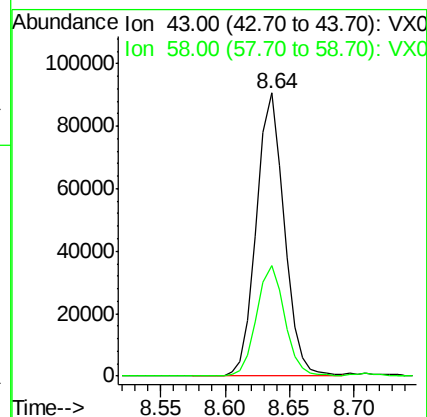
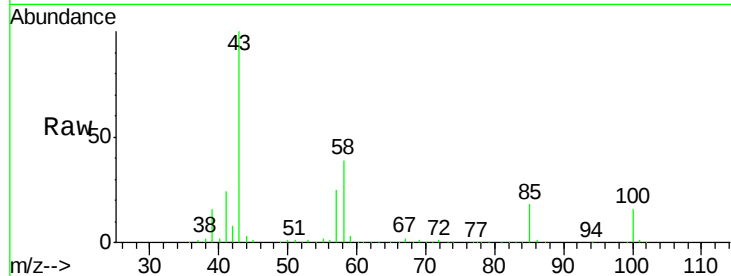
58 39.4 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 21.652 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX012020.D

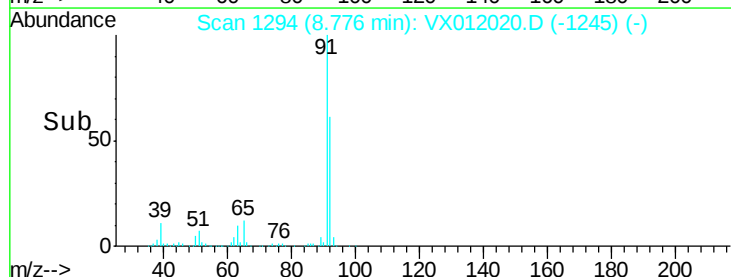
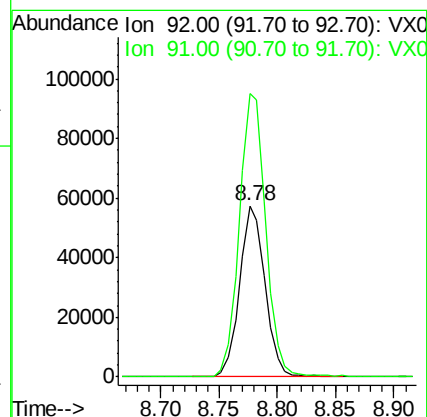
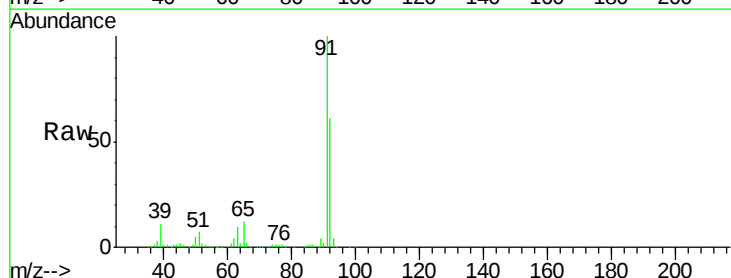
Acq: 03 Sep 2019 13:40

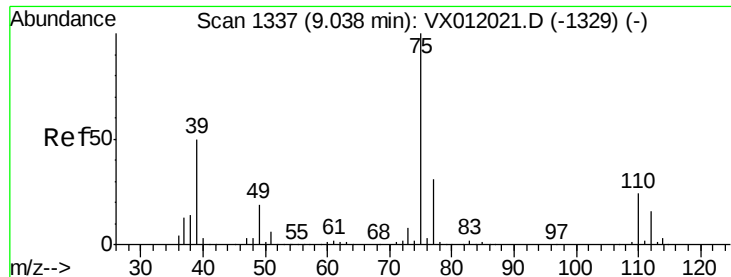
Tgt Ion: 92 Resp: 87410

Ion Ratio Lower Upper

92 100

91 172.5 135.4 203.2





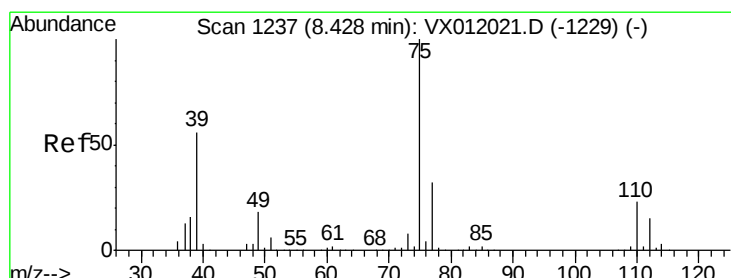
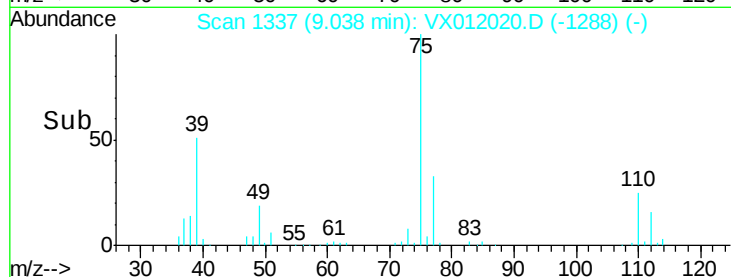
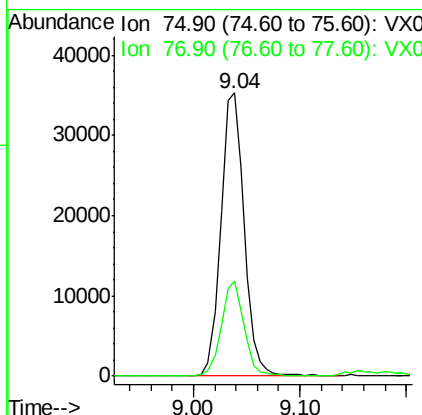
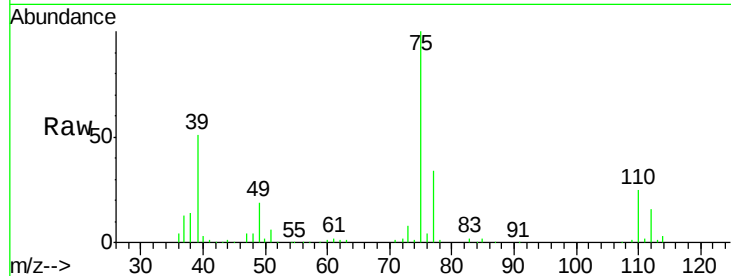
#53
t-1,3-Dichloropropene
Concen: 23.508 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 53988
Ion Ratio Lower Upper
75 100
77 33.5 24.8 37.2

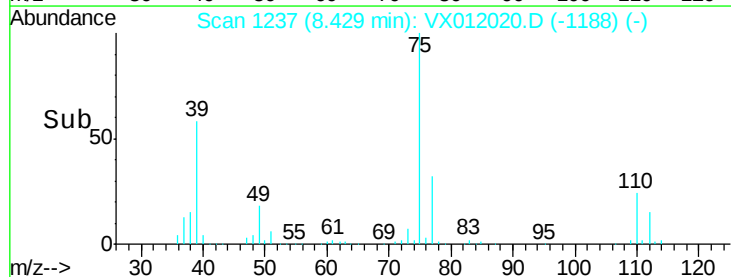
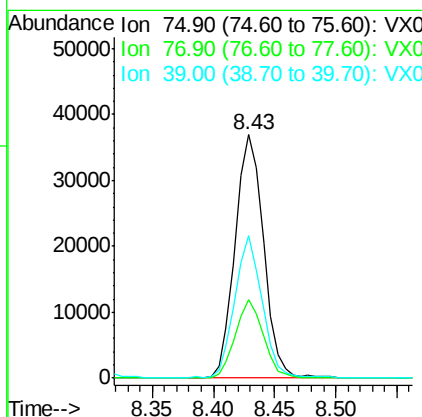
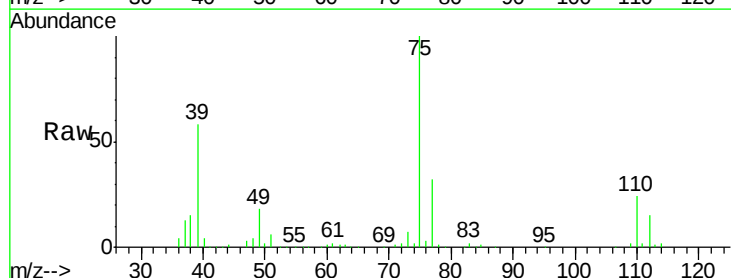
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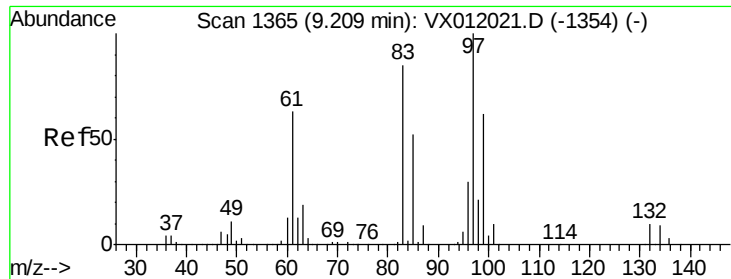
sam
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#54
cis-1,3-Dichloropropene
Concen: 23.102 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Tgt Ion: 75 Resp: 59719
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2
39 58.1 44.7 67.1





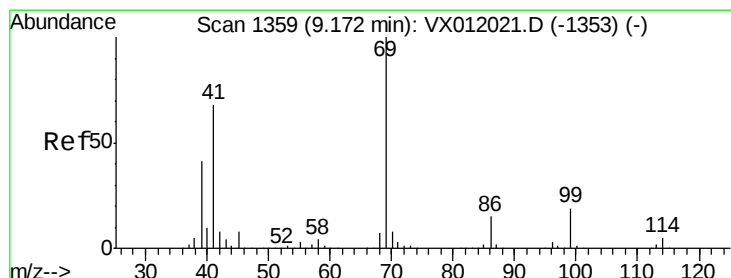
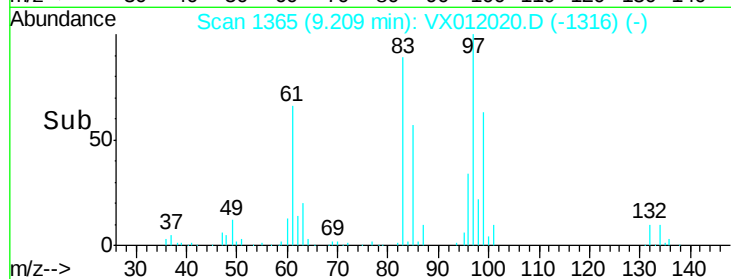
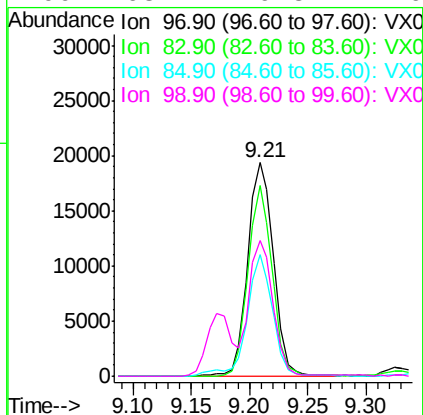
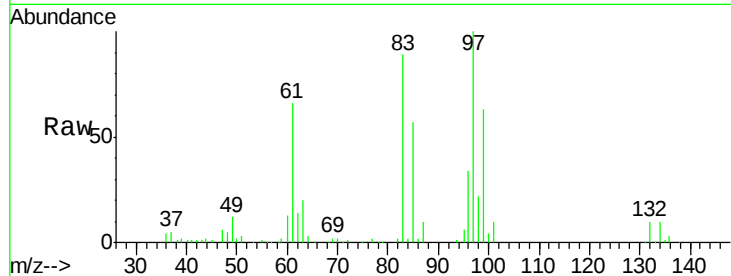
#55
 1,1,2-Trichloroethane
 Concen: 22.836 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	29961
Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.1	102.1
85	57.1	41.4	62.2
99	63.1	49.8	74.6

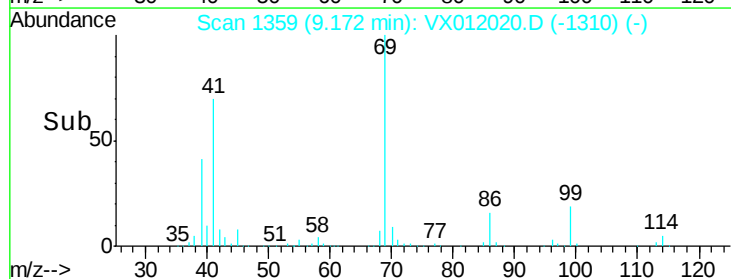
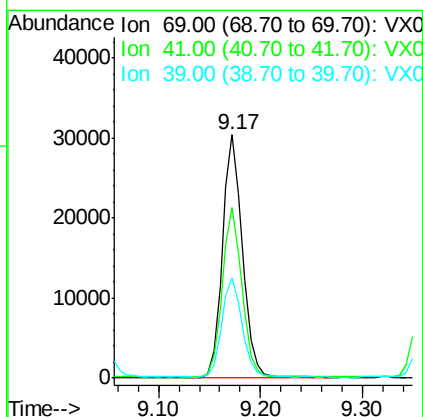
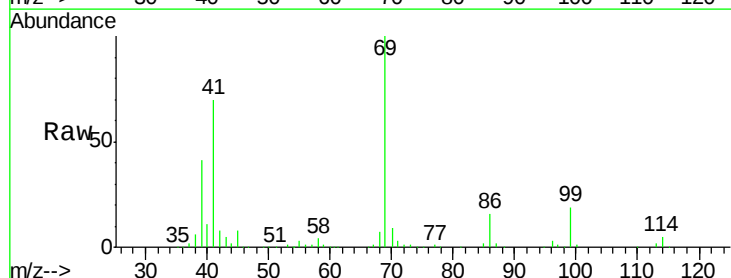
Manual Integrations
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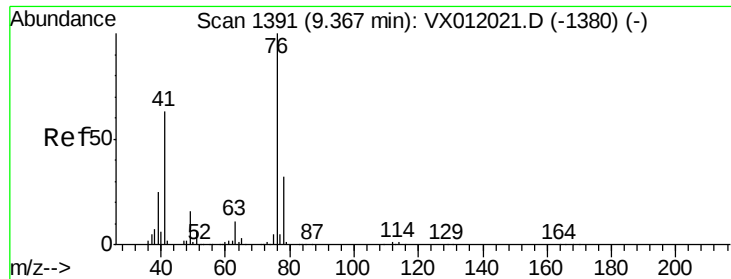
sam
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#56
 Ethyl methacrylate
 Concen: 24.028 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Tgt Ion:	69	Resp:	41865
Ion	Ratio	Lower	Upper
69	100		
41	67.8	55.4	83.2
39	41.1	33.3	49.9





#57

1,3-Dichloropropane

Concen: 24.092 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 51911

Ion Ratio Lower Upper

76 100

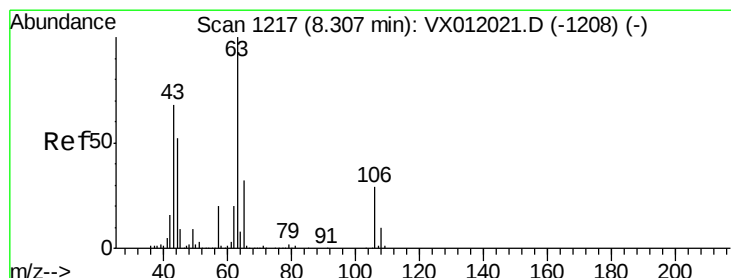
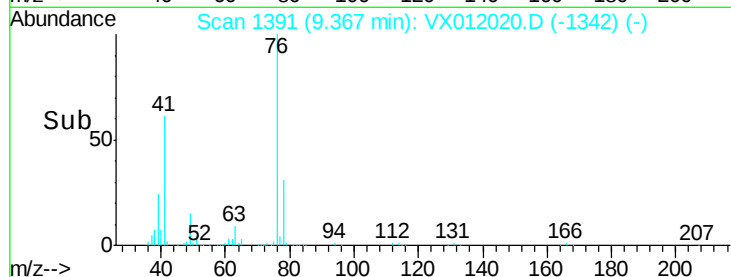
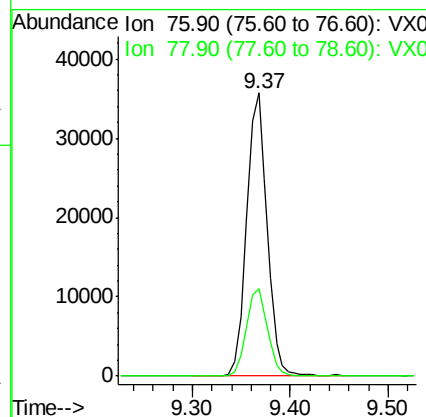
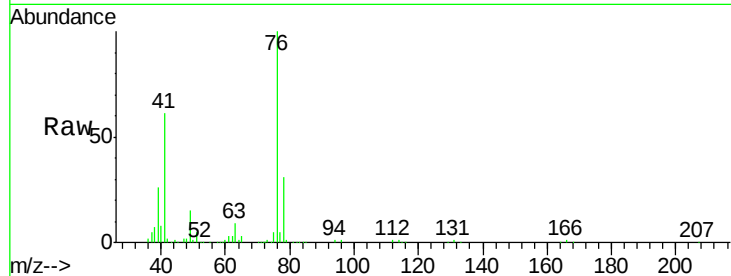
78 32.2 26.3 39.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 119.001 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012020.D

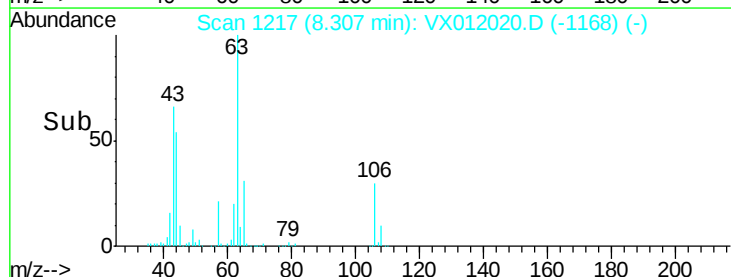
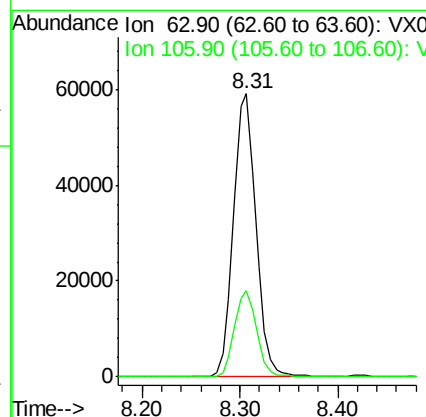
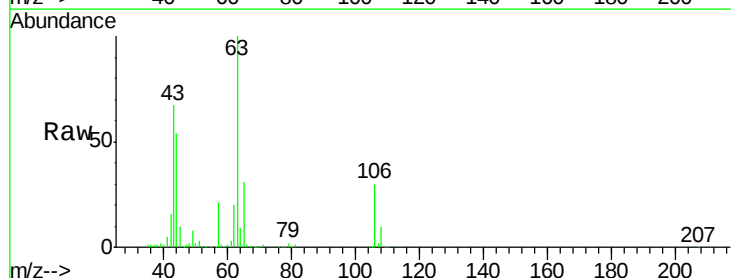
Acq: 03 Sep 2019 13:40

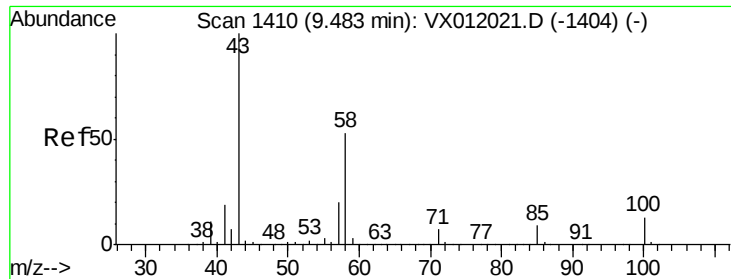
Tgt Ion: 63 Resp: 94223

Ion Ratio Lower Upper

63 100

106 30.2 23.3 34.9





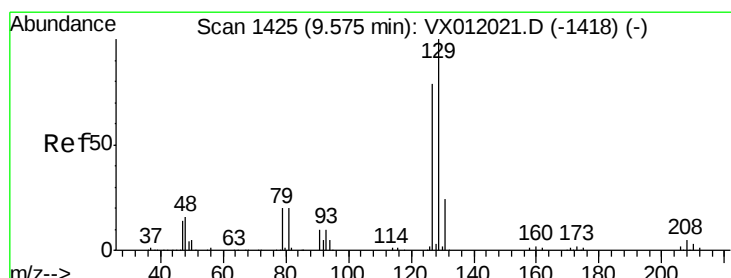
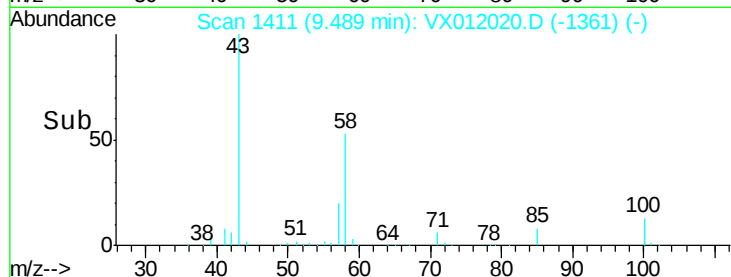
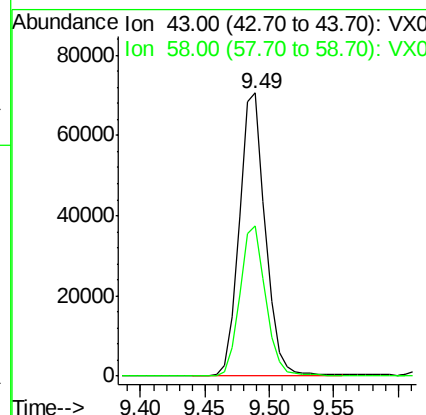
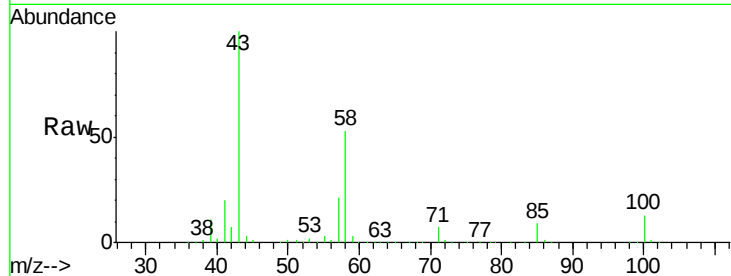
#59
2-Hexanone
Concen: 128.646 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 98252
Ion Ratio Lower Upper
43 100
58 53.0 27.3 81.8

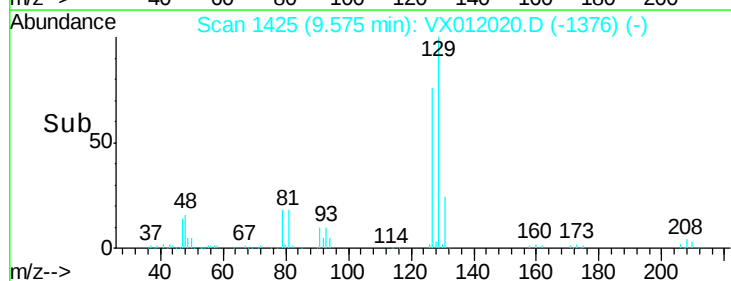
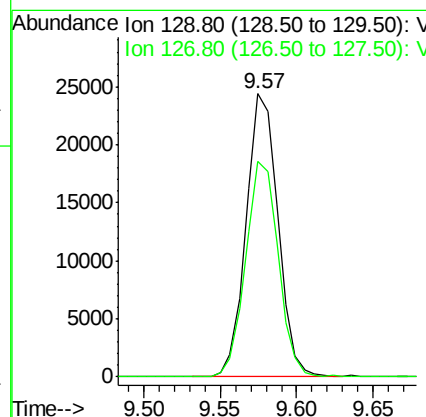
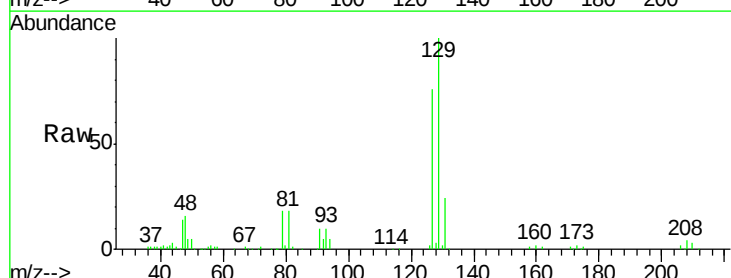
Manual Integrations
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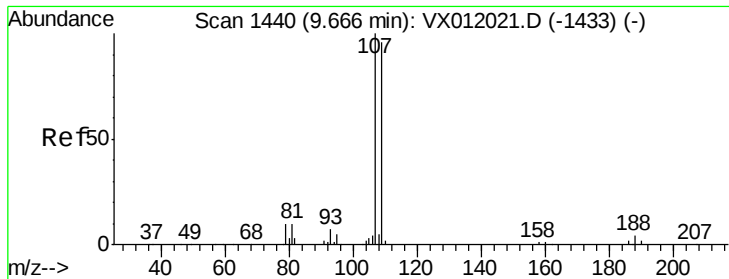
sam
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#60
Dibromochloromethane
Concen: 19.355 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Tgt Ion: 129 Resp: 35300
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 21.556 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 28169

Ion Ratio Lower Upper

107 100

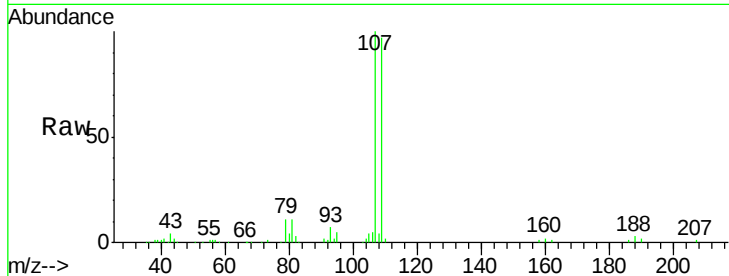
109 94.7 75.5 113.3

Manual Integrations

APPROVED

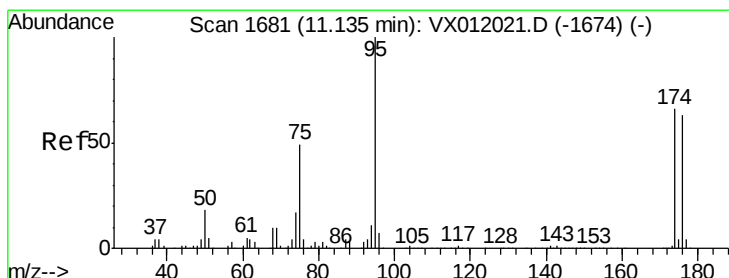
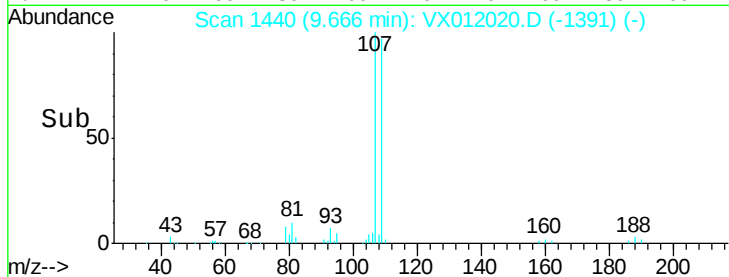
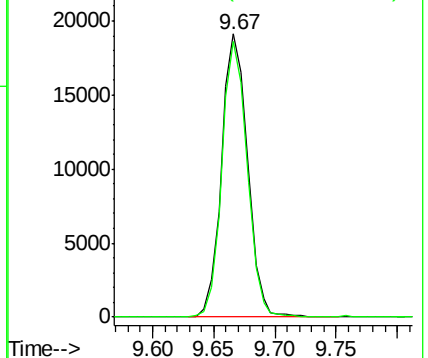
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 22.078 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

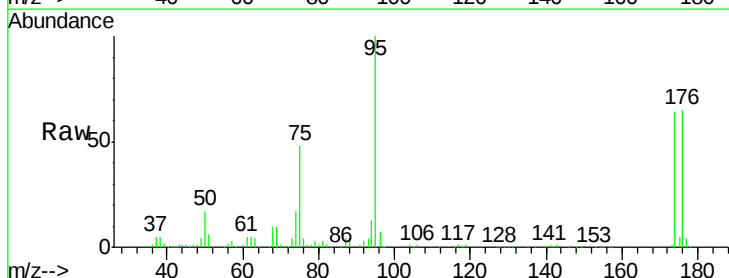
Tgt Ion: 95 Resp: 59450

Ion Ratio Lower Upper

95 100

174 62.7 0.0 125.2

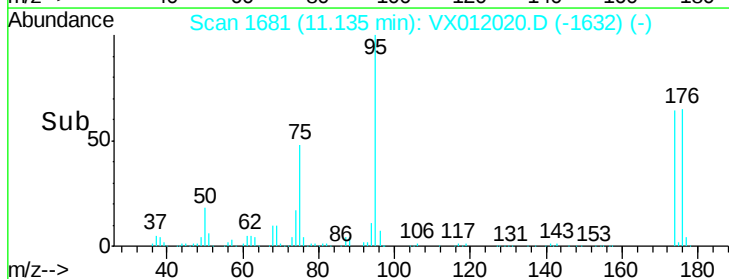
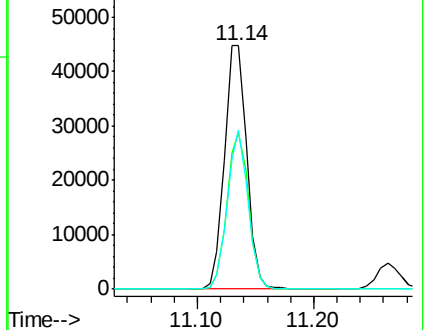
176 60.5 0.0 119.0

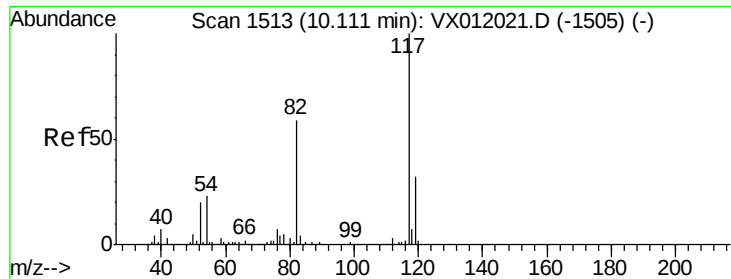


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





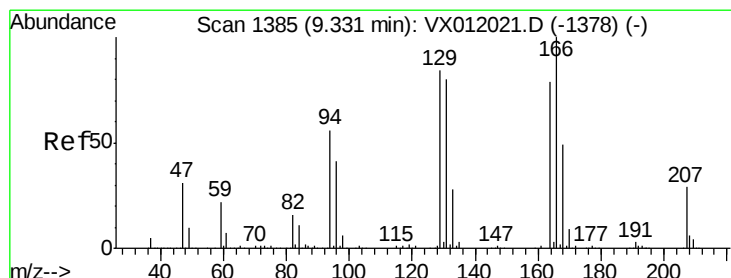
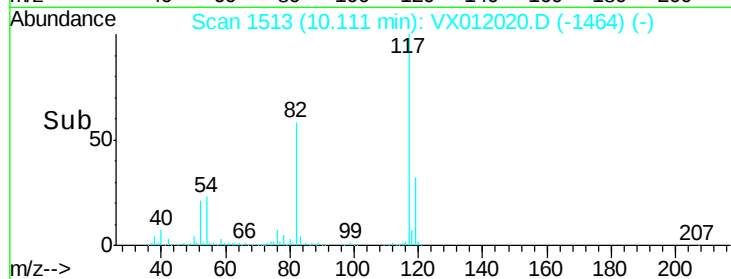
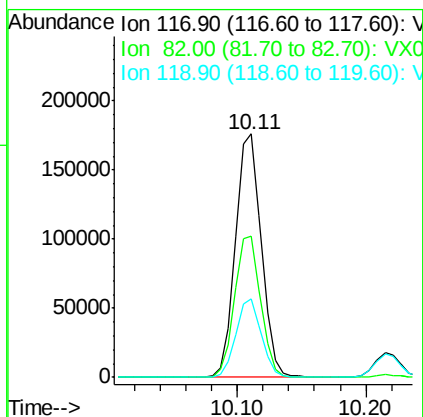
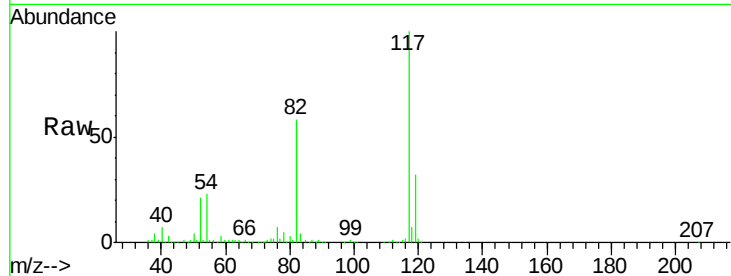
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	246357		
82	58.0	47.0	70.4	
119	32.1	25.4	38.0	

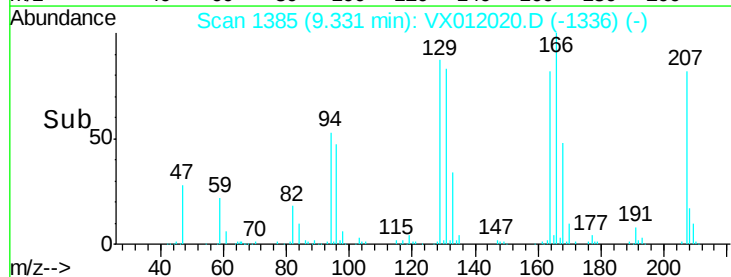
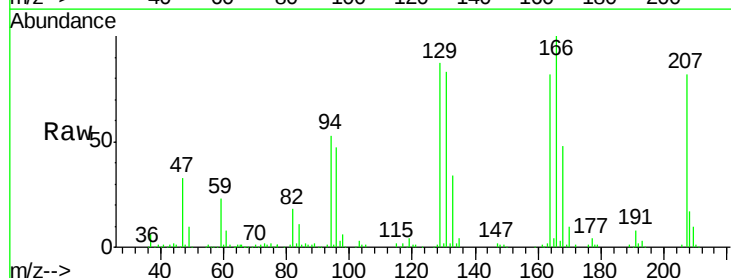
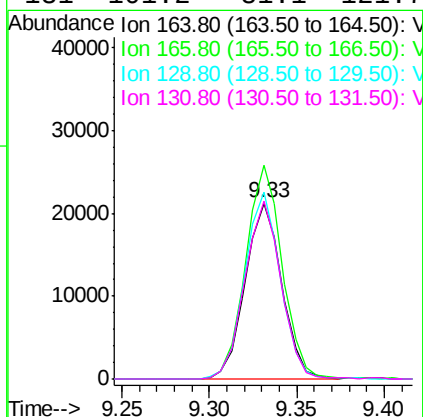
Manual Integrations
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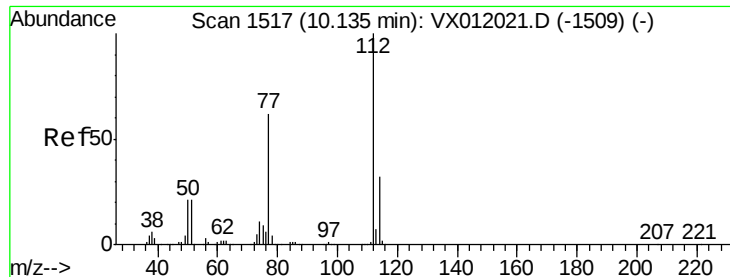
sam
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#64
Tetrachloroethene
Concen: 15.188 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	30794		
166	121.5	100.9	151.3	
129	106.1	85.1	127.7	
131	101.2	81.1	121.7	





#65

Chlorobenzene

Concen: 20.852 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 96974

Ion Ratio Lower Upper

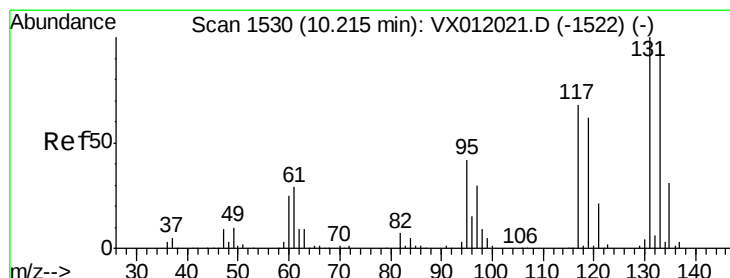
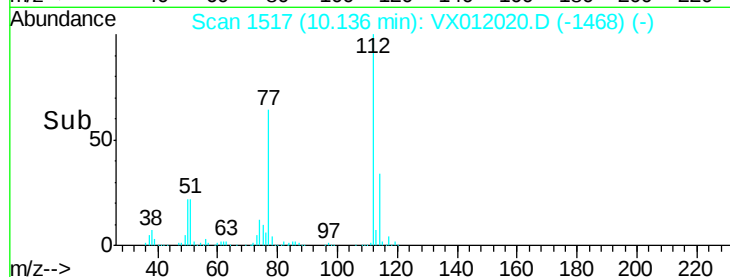
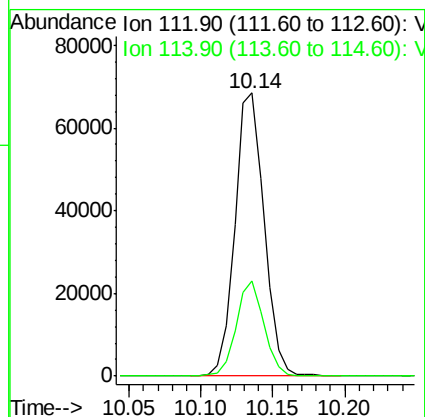
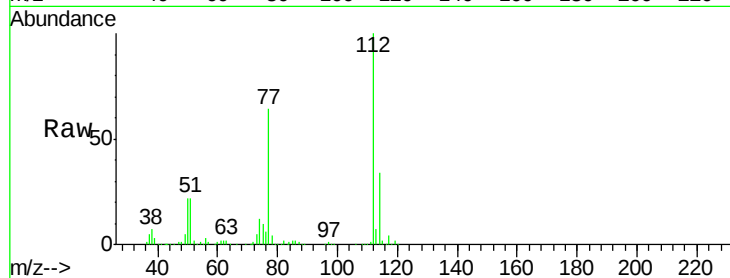
112 100

114 33.6 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.092 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

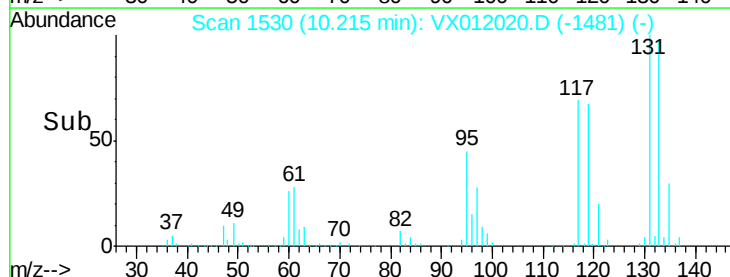
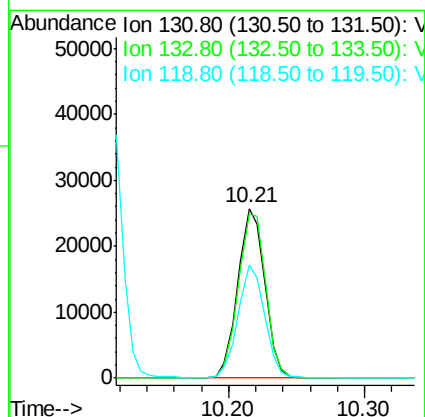
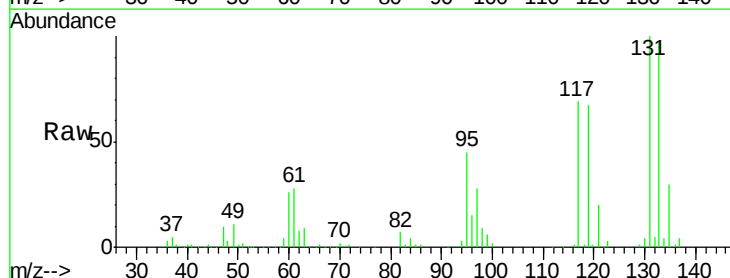
Tgt Ion:131 Resp: 35631

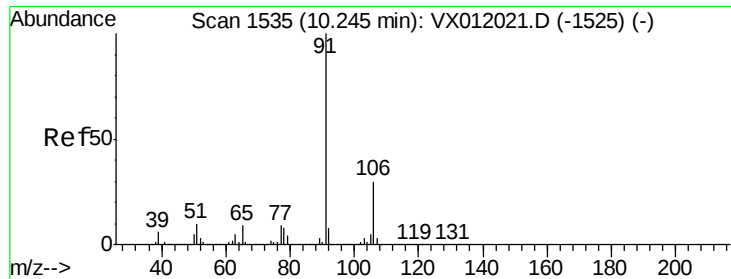
Ion Ratio Lower Upper

131 100

133 99.2 48.6 145.8

119 66.6 32.5 97.4





#67

Ethyl Benzene

Concen: 22.781 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 178986

Ion Ratio Lower Upper

91 100

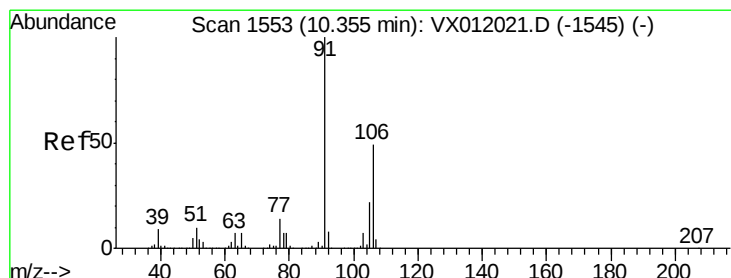
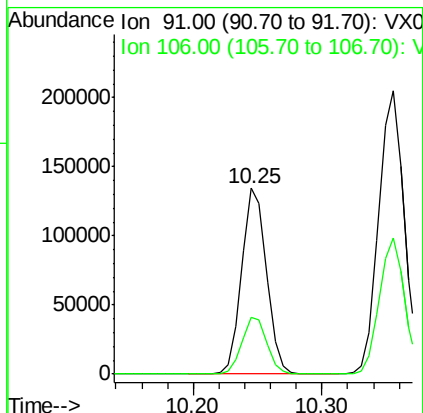
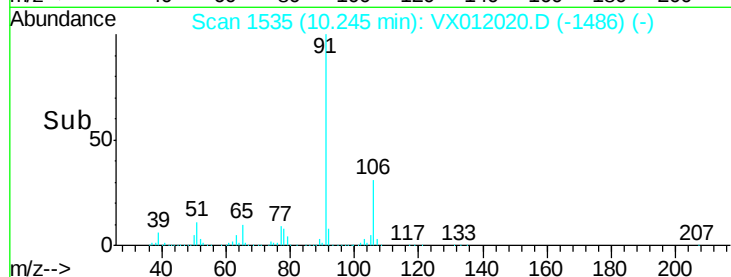
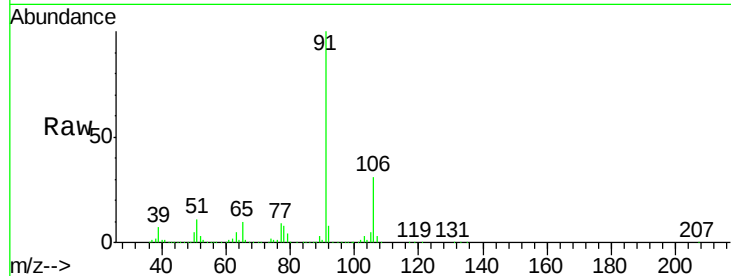
106 30.8 24.2 36.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 43.170 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012020.D

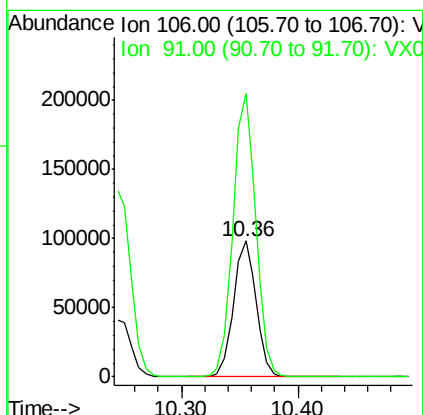
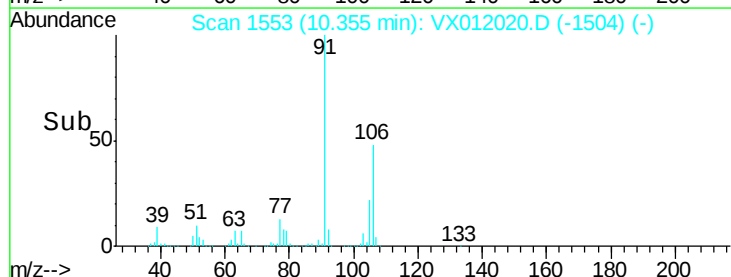
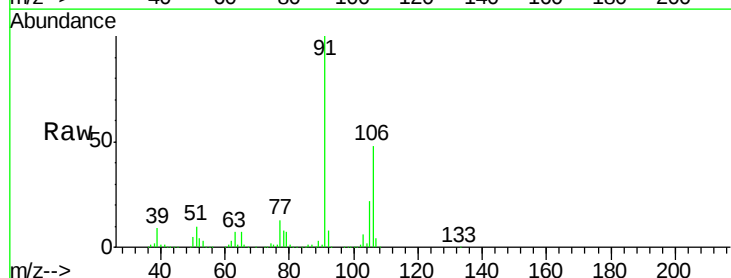
Acq: 03 Sep 2019 13:40

Tgt Ion: 106 Resp: 133184

Ion Ratio Lower Upper

106 100

91 210.4 166.9 250.3





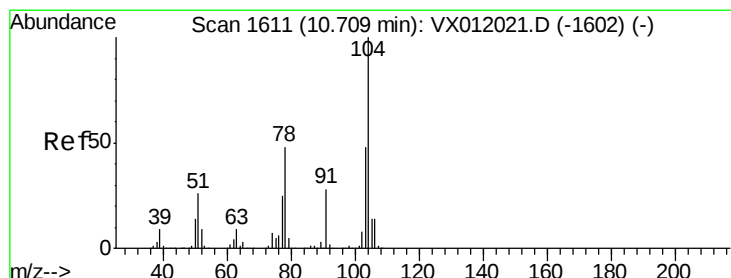
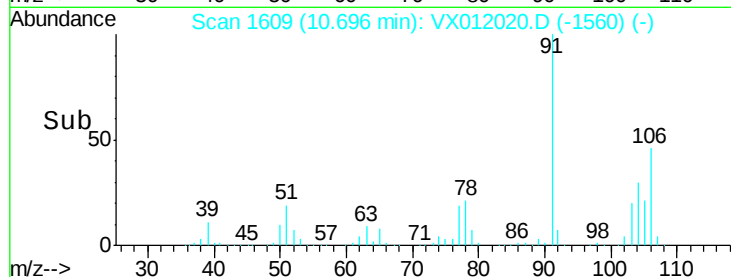
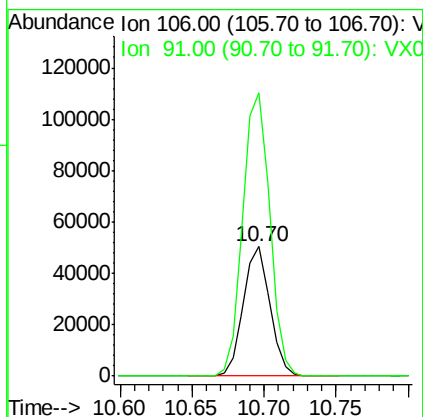
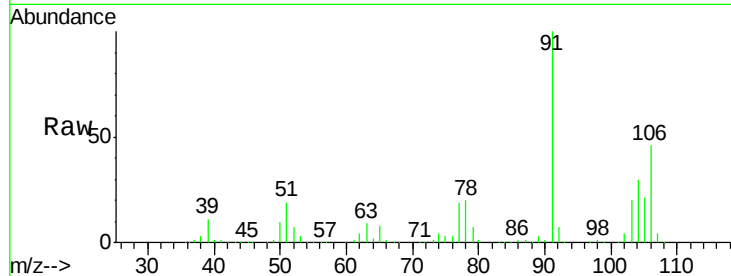
#69
o-Xylene
Concen: 21.604 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 64654
Ion Ratio Lower Upper
106 100
91 222.3 110.3 331.0

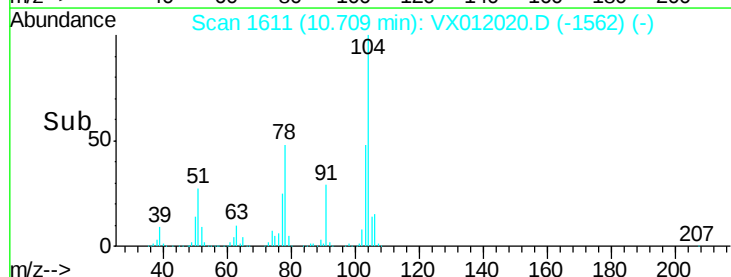
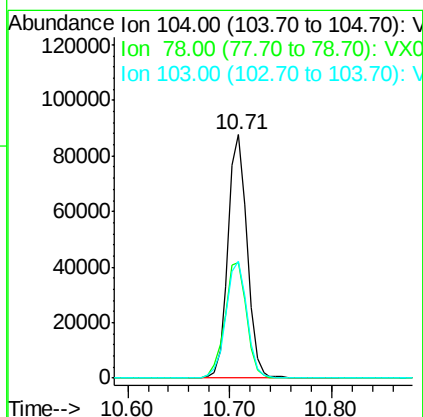
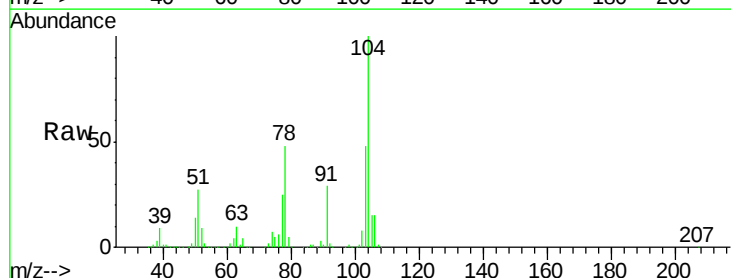
Manual Integrations
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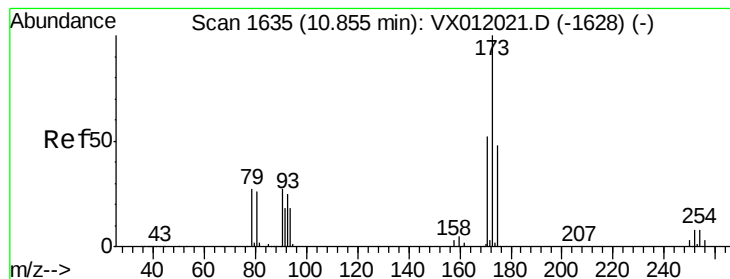
sam
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#70
Styrene
Concen: 22.029 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Tgt Ion:104 Resp: 113114
Ion Ratio Lower Upper
104 100
78 54.3 43.4 65.2
103 53.0 42.9 64.3





#71

Bromoform

Concen: 15.011 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

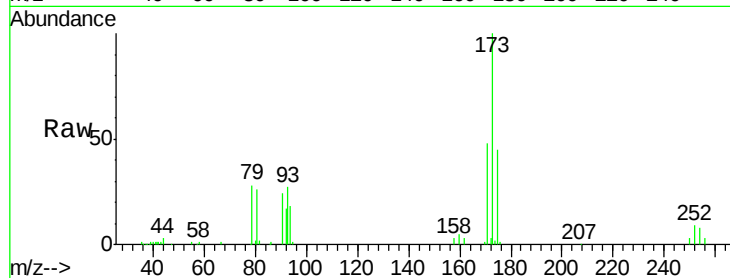
ClientSampleId :

VSTDIC020

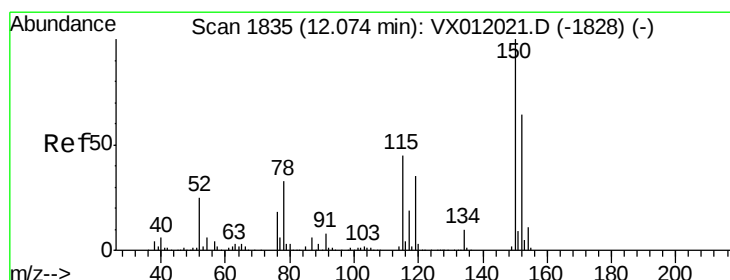
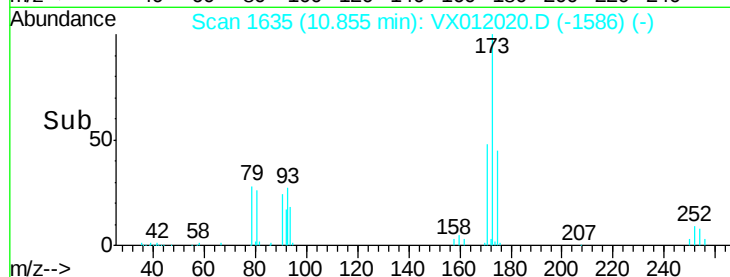
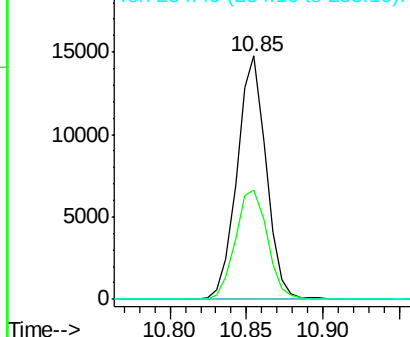
Tot Ion:	173	Resp:	19437
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.1	72.3
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

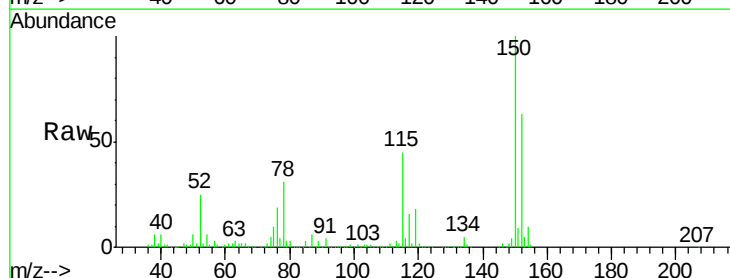
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

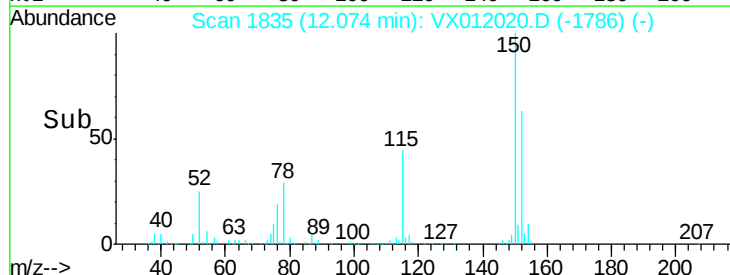
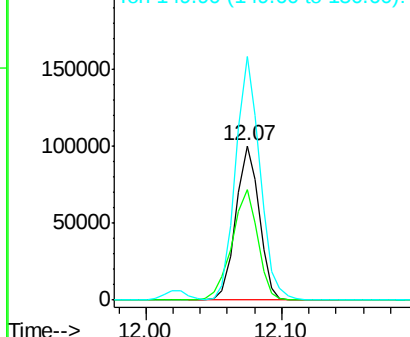
Lab File: VX012020.D

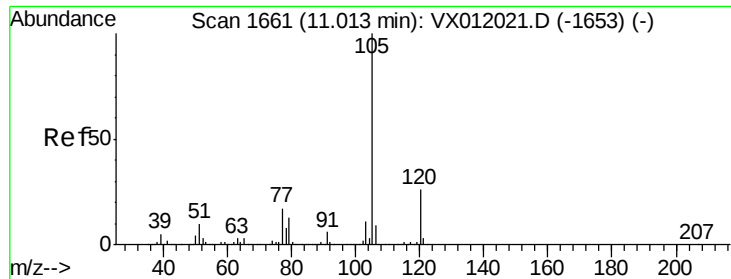
Acq: 03 Sep 2019 13:40

Tgt Ion:	152	Resp:	119569
Ion Ratio	Lower	Upper	
152	100		
115	78.9	45.5	136.5
150	164.9	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 26.432 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 176365

Ion Ratio Lower Upper

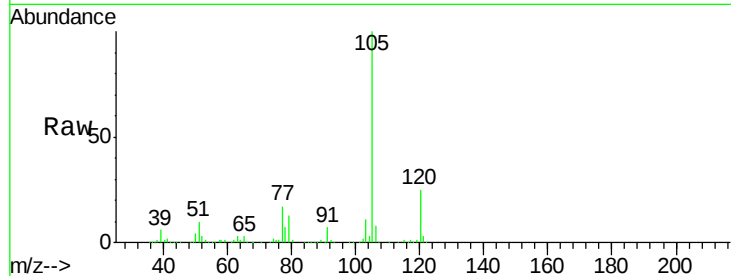
105 100

120 25.7 12.9 38.7

Manual Integrations
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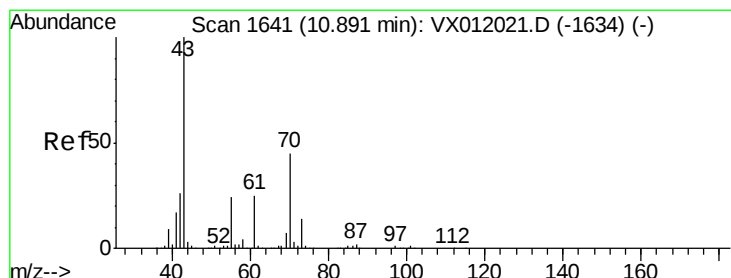
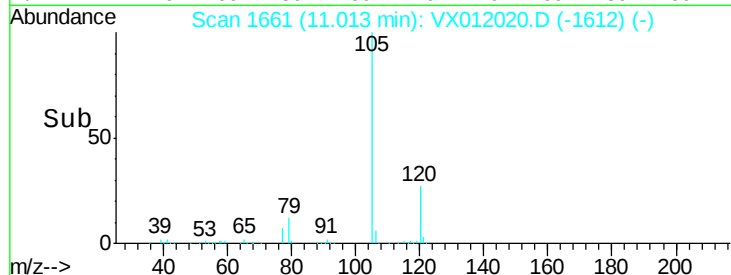
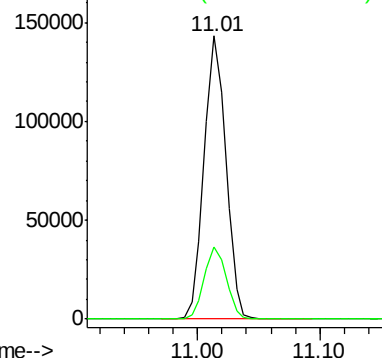
sam

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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: 31.370 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion: 43 Resp: 52193

Ion Ratio Lower Upper

43 100

70 42.2 34.7 52.1

55 24.2 19.2 28.8

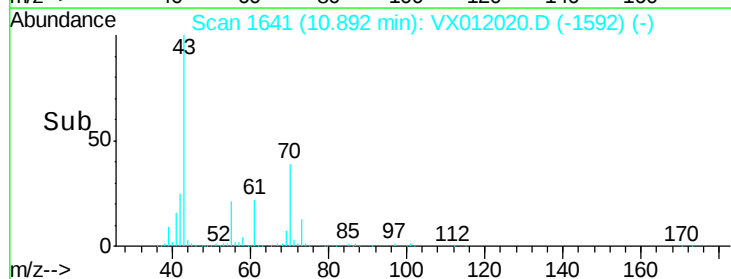
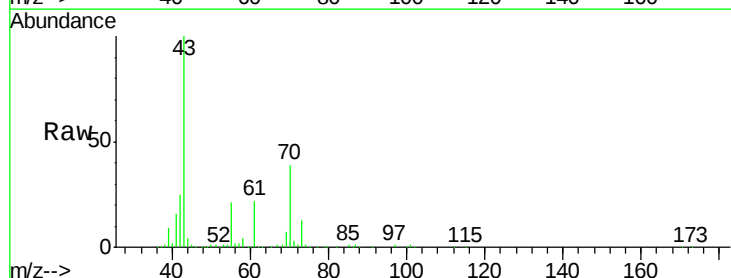
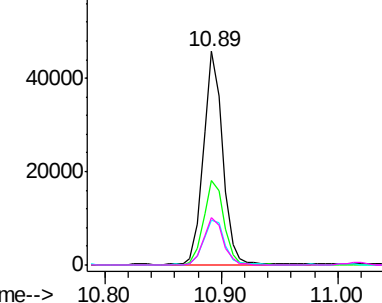
61 23.5 19.6 29.4

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: 30.187 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

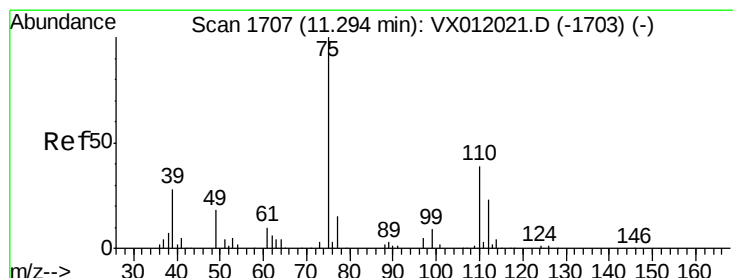
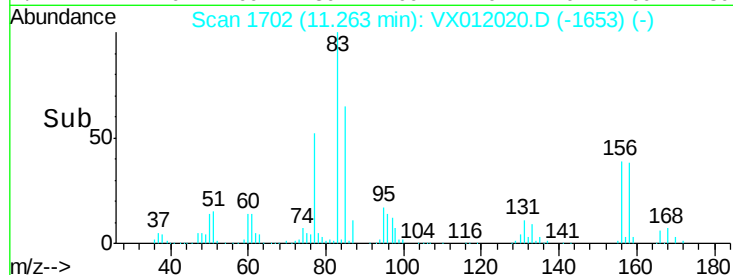
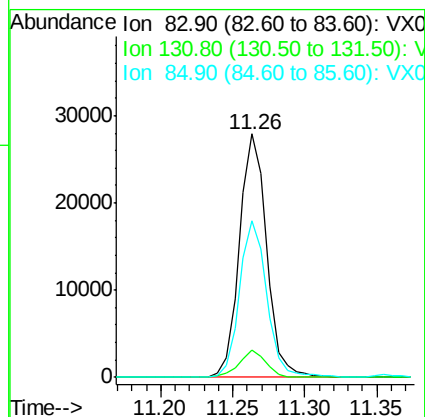
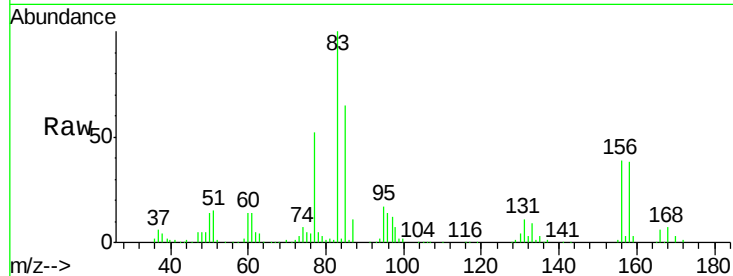
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	36875
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.8	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 29.317 ug/l m

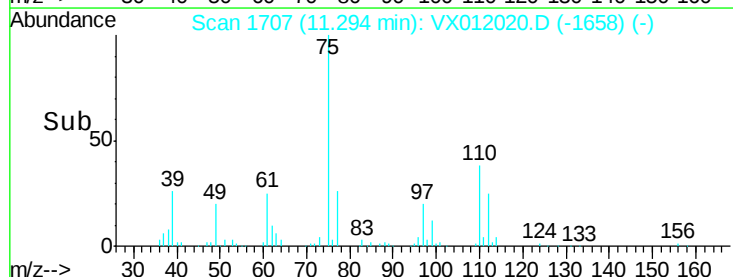
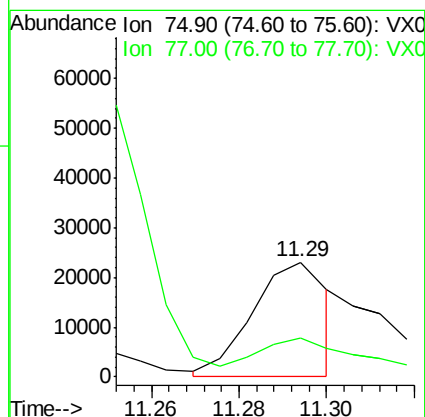
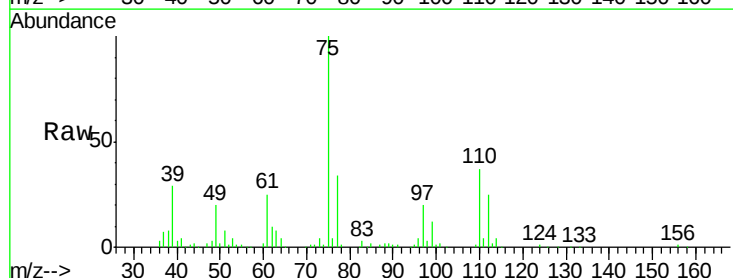
RT: 11.29 min Scan# 1707

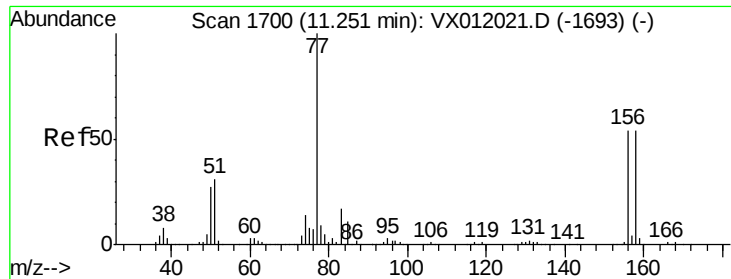
Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion:	75	Resp:	27748
Ion	Ratio	Lower	Upper
75	100		
77	47.5	22.6	67.8





#77

Bromobenzene

Concen: 20.049 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

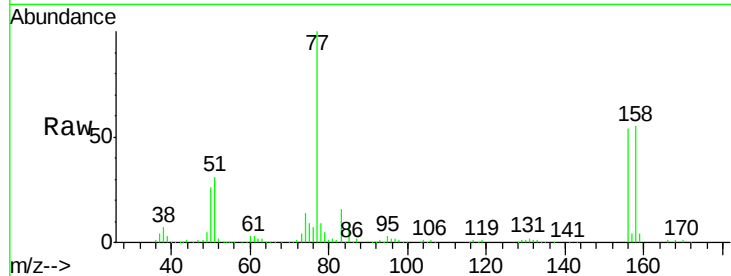
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	190.4	93.5	280.6
158	98.4	47.9	143.7

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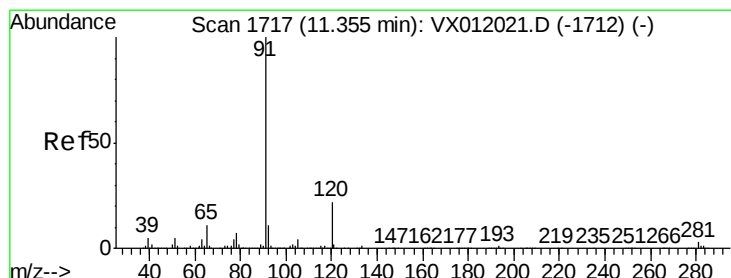
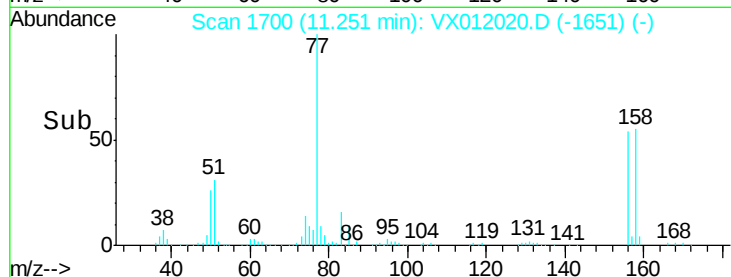
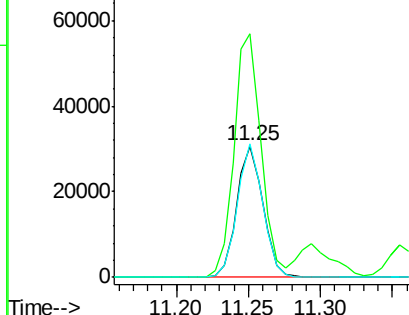
sam
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 28.513 ug/l

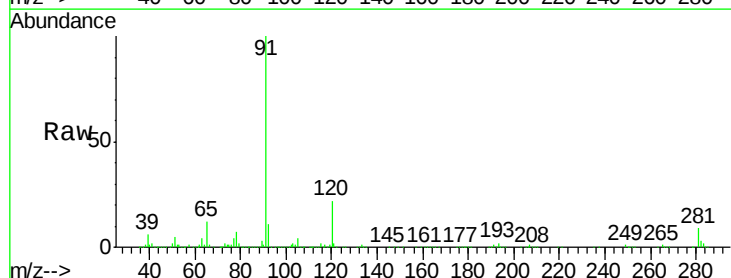
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012020.D

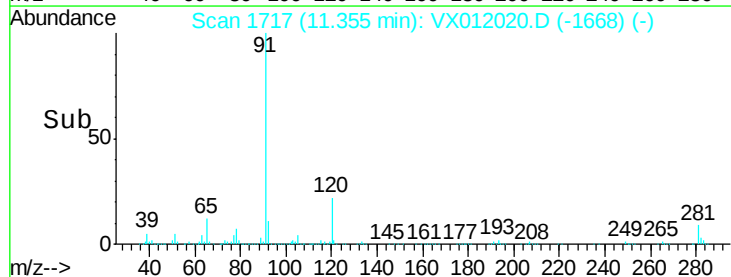
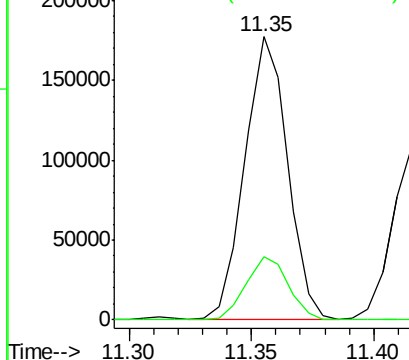
Acq: 03 Sep 2019 13:40

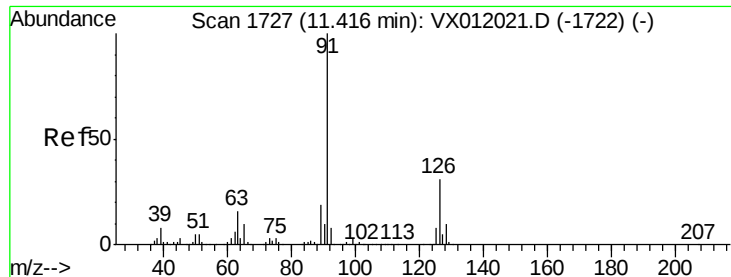
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





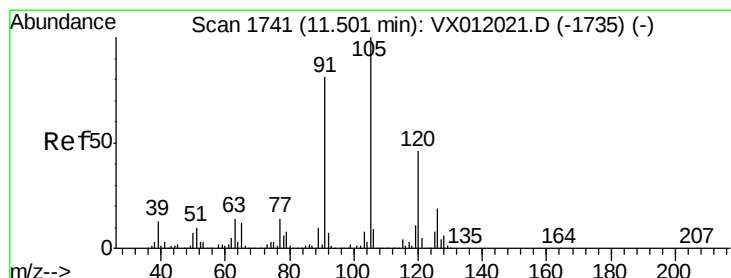
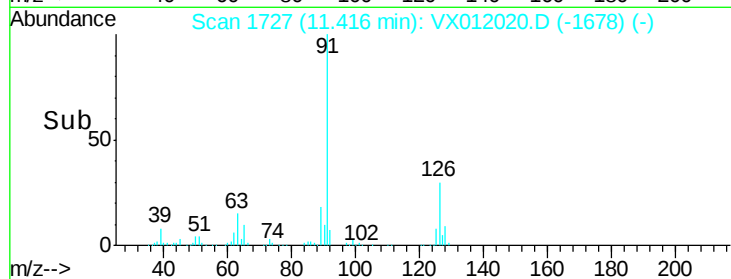
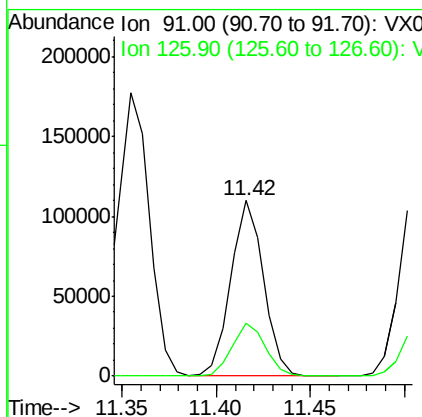
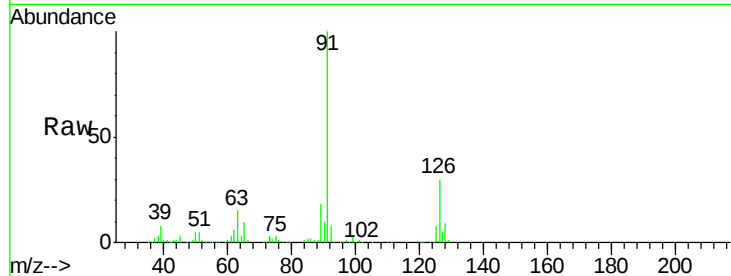
#79
 2-Chlorotoluene
 Concen: 29.579 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.9	47.7

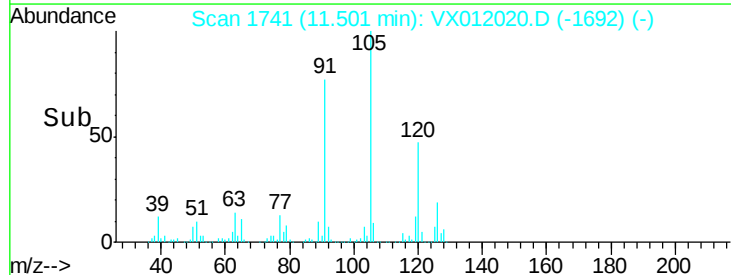
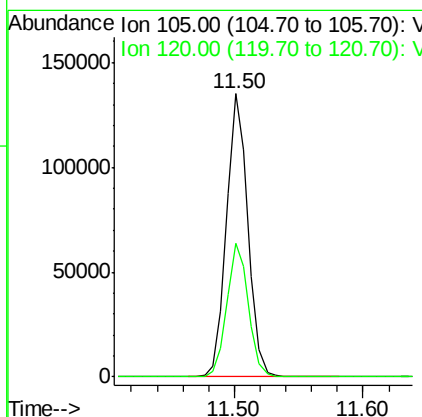
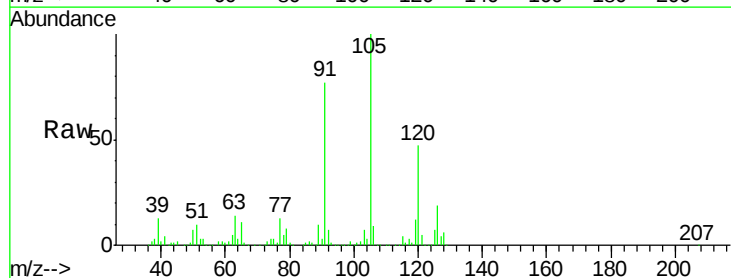
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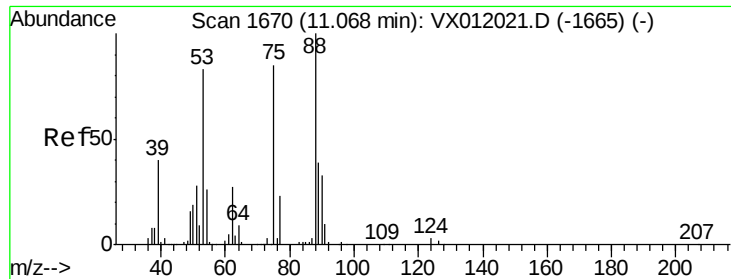
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 27.495 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.8	71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 29.321 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

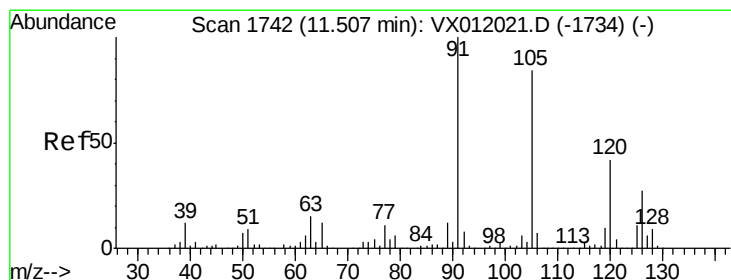
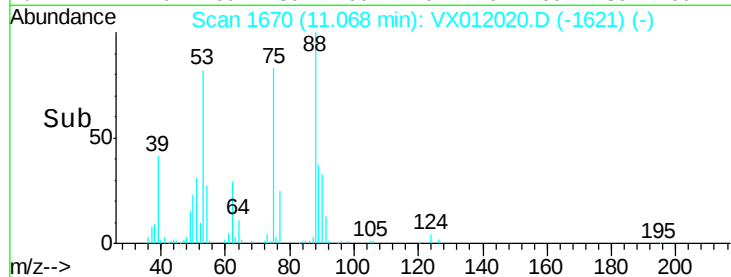
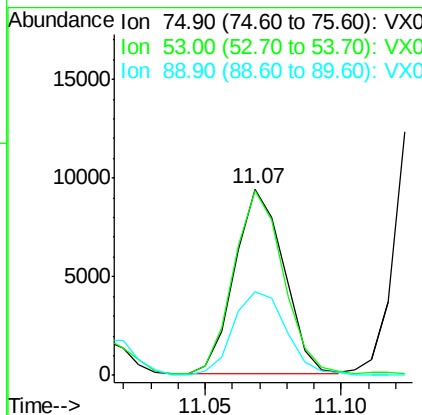
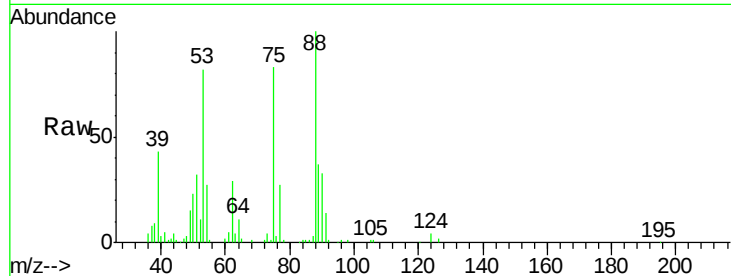
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.5	80.8	121.2
89	48.8	38.2	57.4

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#82

4-Chlorotoluene

Concen: 29.191 ug/l

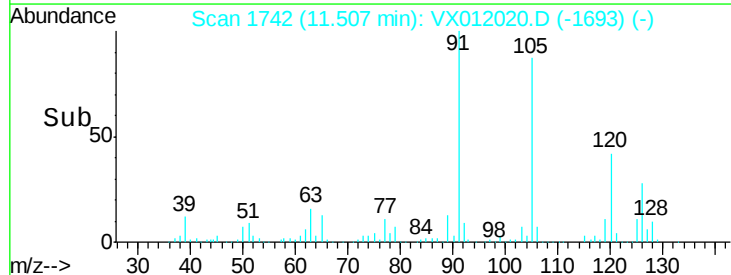
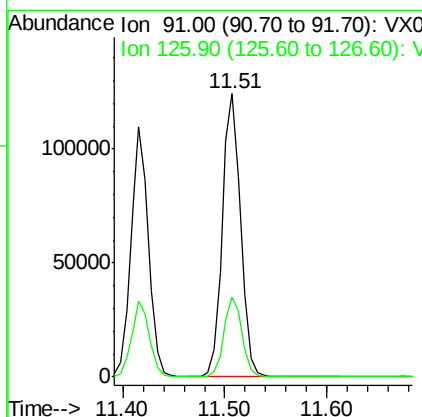
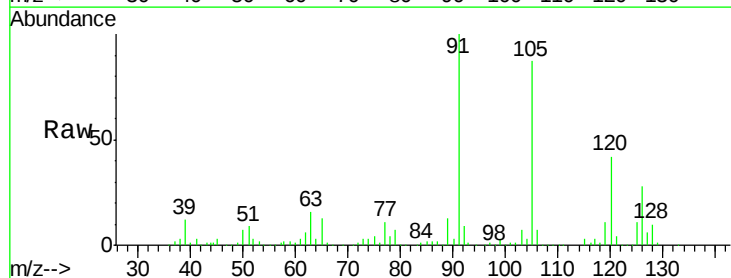
RT: 11.51 min Scan# 1742

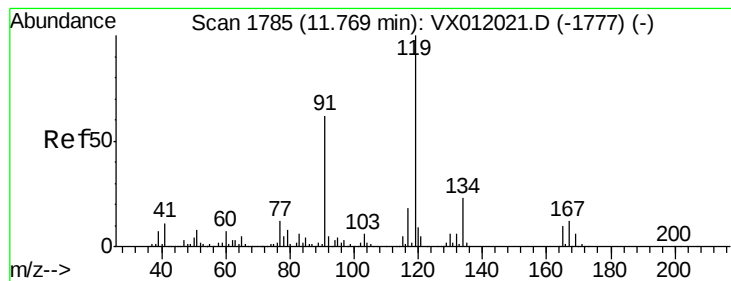
Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	13.5	40.4





#83

tert-Butylbenzene

Concen: 25.051 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

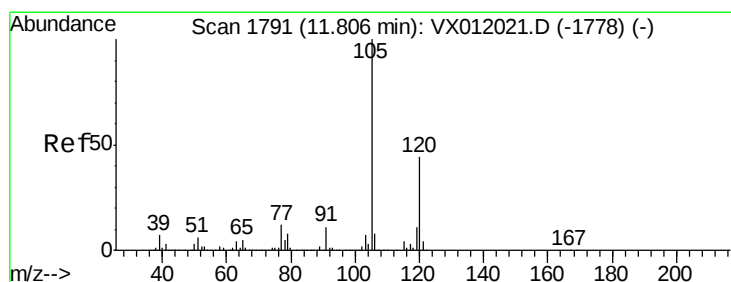
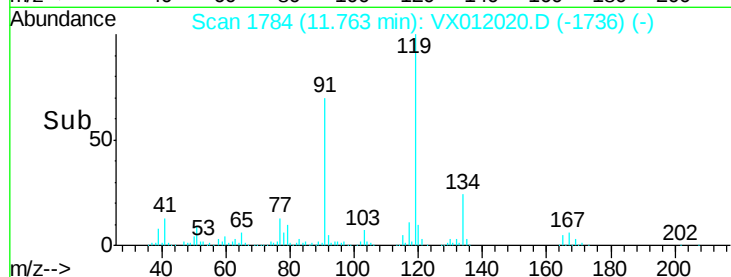
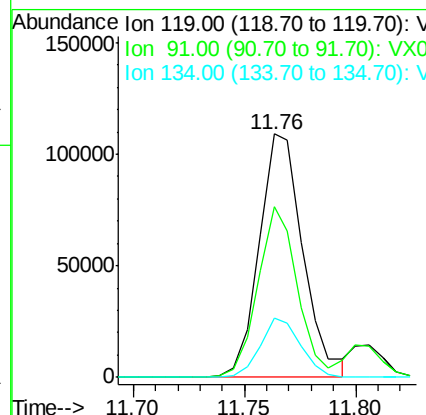
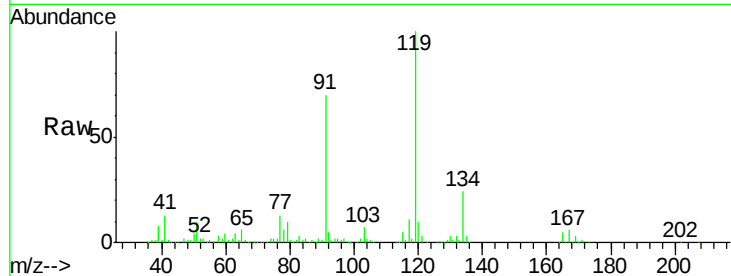
ClientSampled :

VSTDIC020

Tot Ion:	119	Resp:	149040
Ion Ratio	Lower	Upper	
119	100		
91	63.2	31.7	95.1
134	22.4	11.2	33.6

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#84

1,2,4-Trimethylbenzene

Concen: 27.200 ug/l

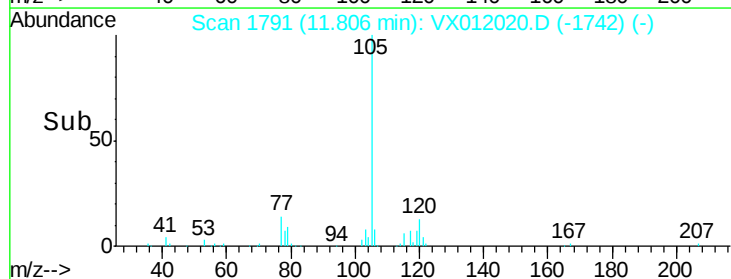
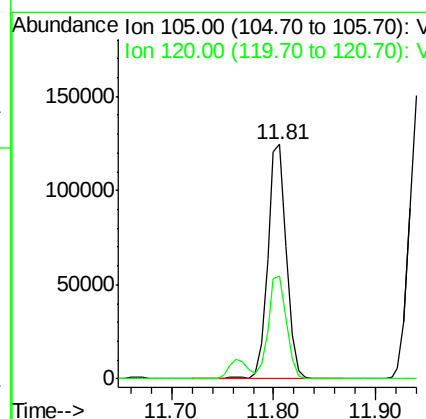
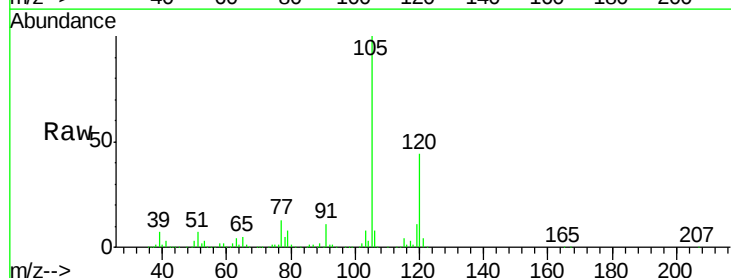
RT: 11.81 min Scan# 1791

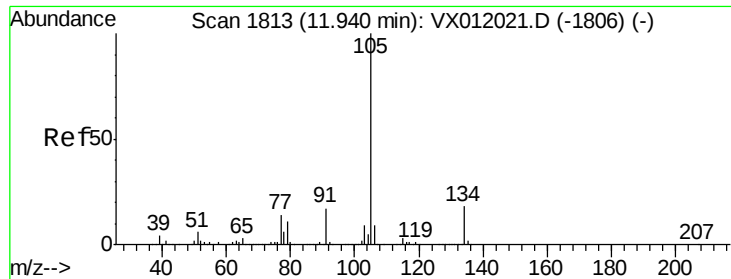
Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion:	105	Resp:	158659
Ion Ratio	Lower	Upper	
105	100		
120	42.9	21.5	64.5





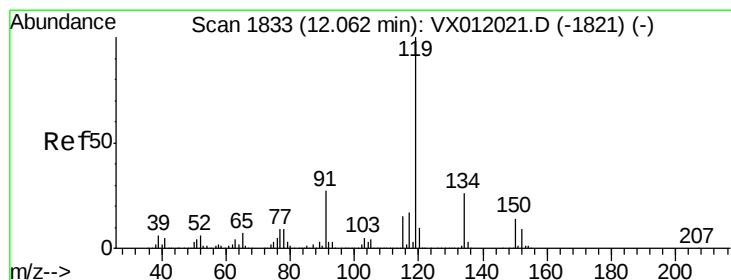
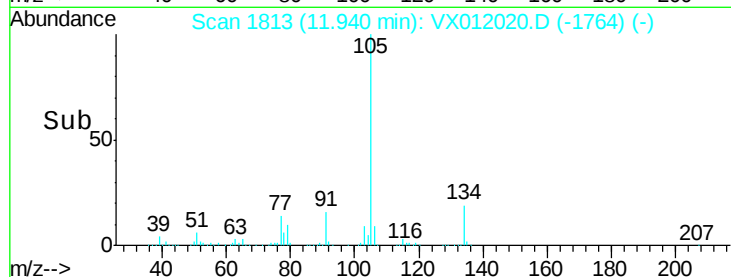
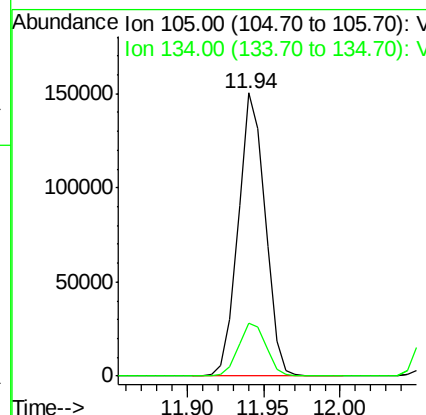
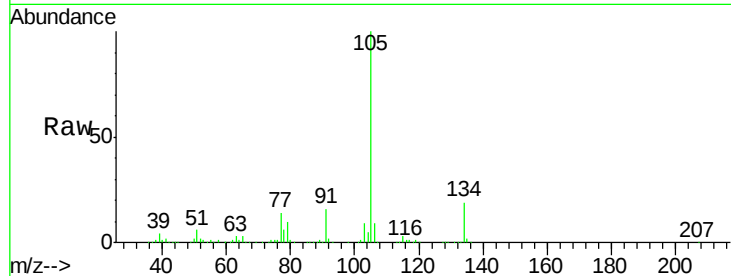
#85
 sec-Butylbenzene
 Concen: 26.817 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.6	28.8

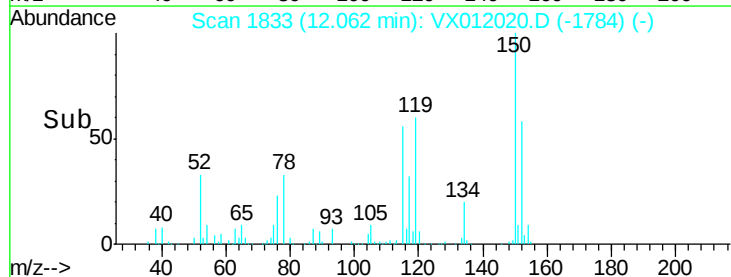
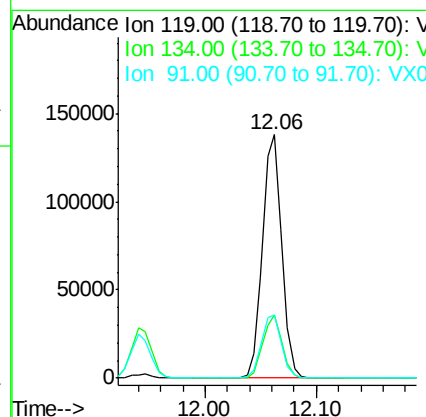
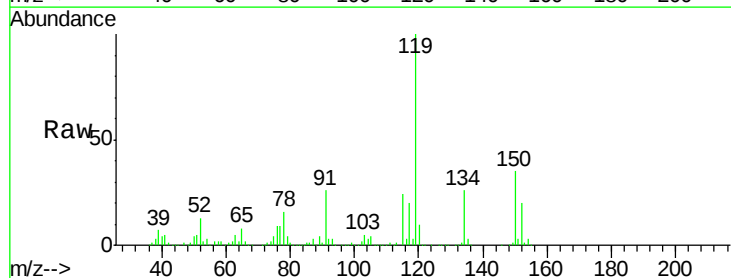
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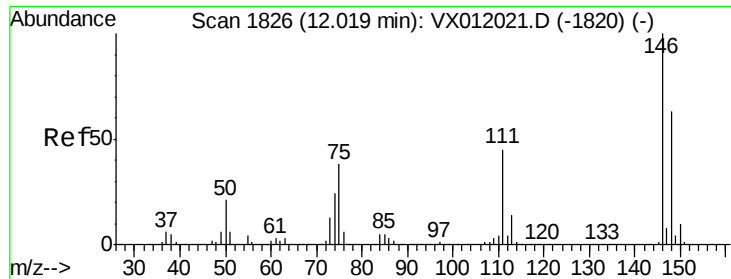
sam
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#86
 p-Isopropyltoluene
 Concen: 25.096 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.3
91	26.8	13.3	39.8





#87

1,3-Dichlorobenzene

Concen: 21.890 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

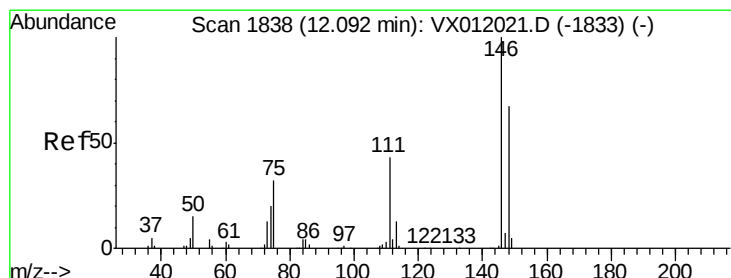
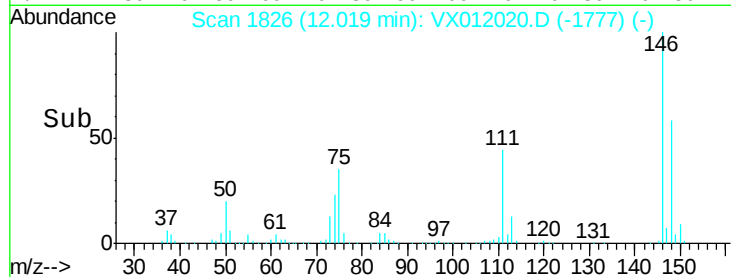
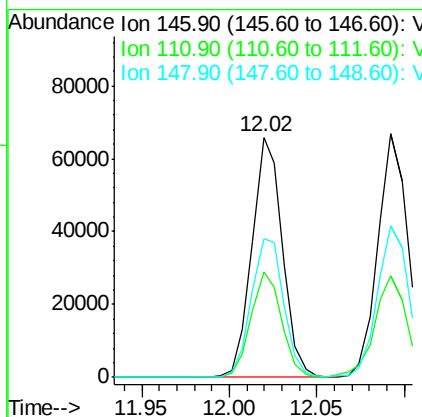
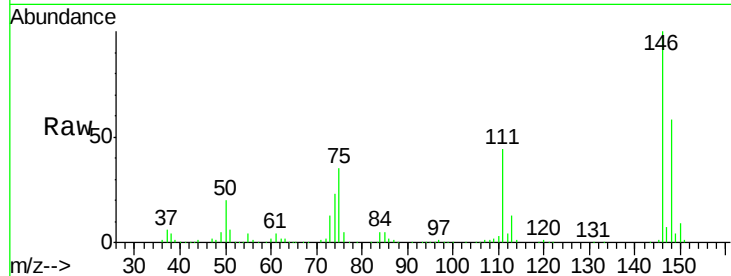
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	80092
Ion Ratio	Lower	Upper	
146	100		
111	44.6	22.4	67.2
148	61.9	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 22.022 ug/l

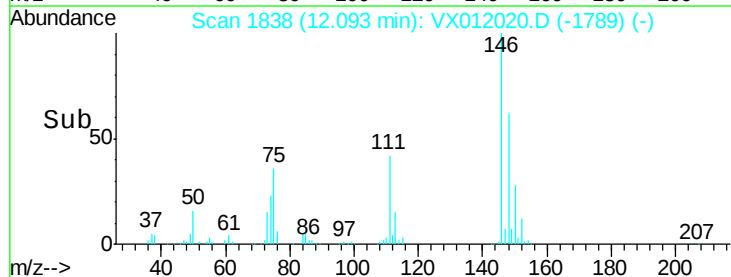
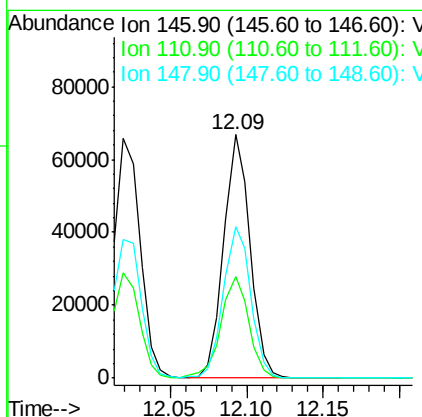
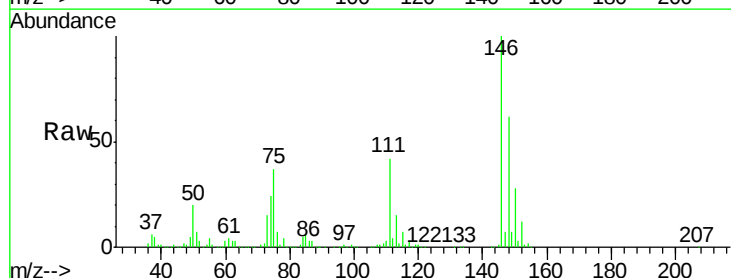
RT: 12.09 min Scan# 1838

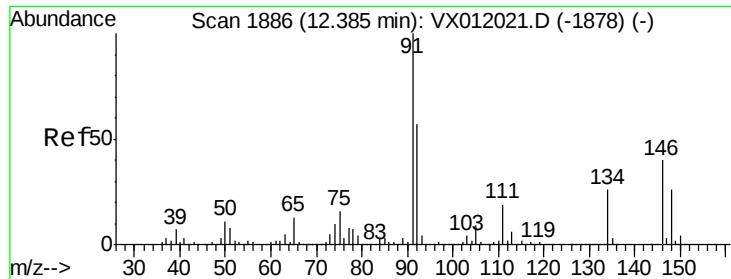
Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion:	146	Resp:	80054
Ion Ratio	Lower	Upper	
146	100		
111	44.3	21.8	65.3
148	64.8	32.3	96.8





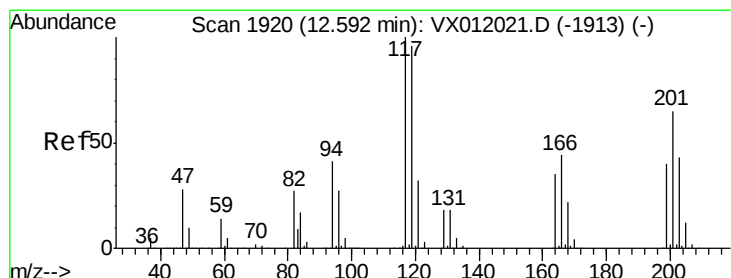
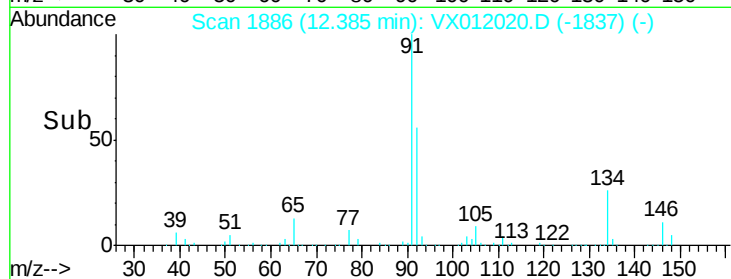
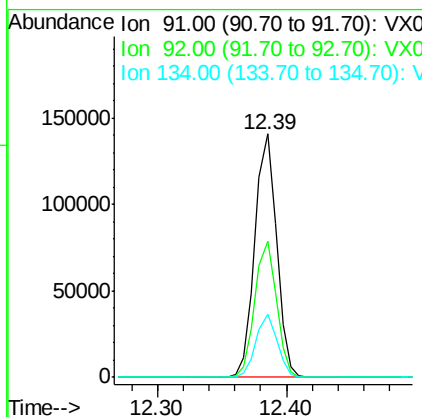
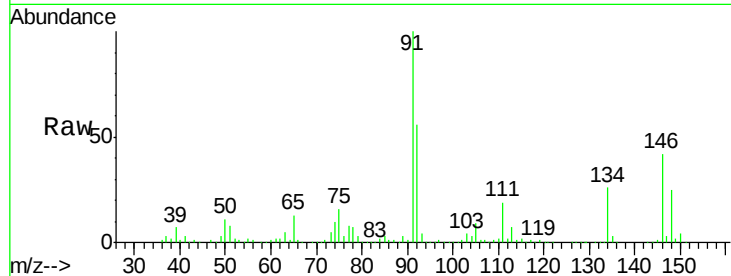
#89
n-Butylbenzene
Concen: 28.195 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	163381		
92	55.5	28.1	84.3	
134	25.3	12.9	38.7	

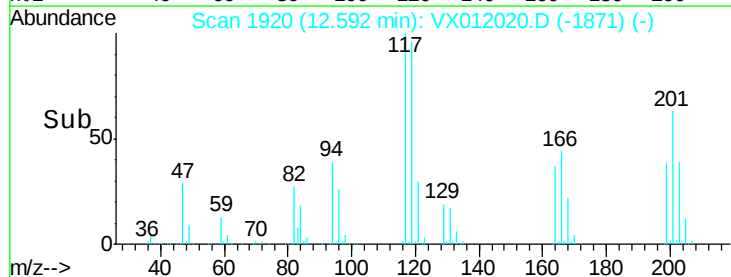
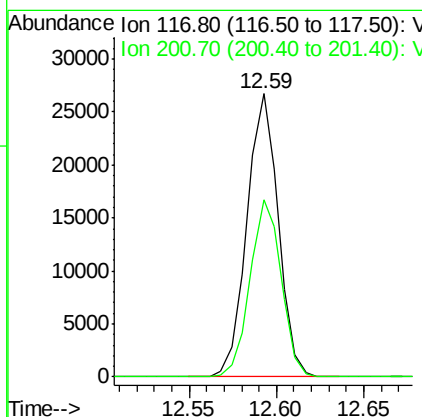
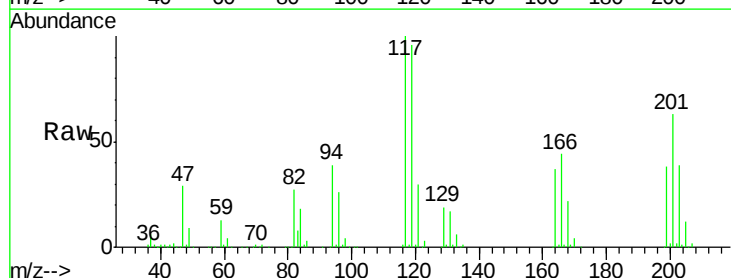
Manual Integrations
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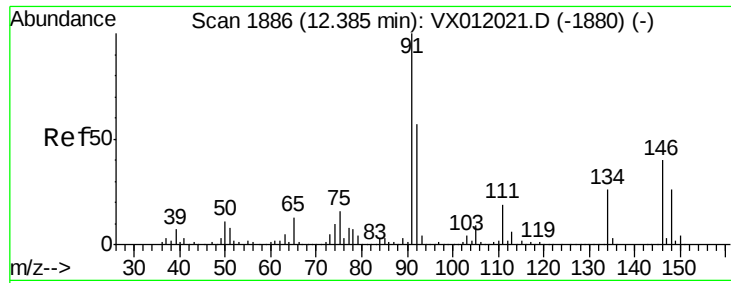
sam
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#90
Hexachloroethane
Concen: 26.577 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012020.D
Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33386		
201	62.5	32.6	97.8	





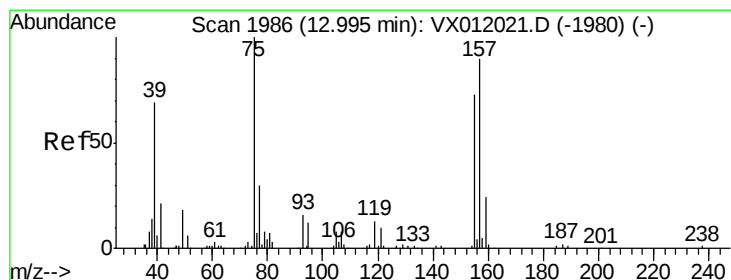
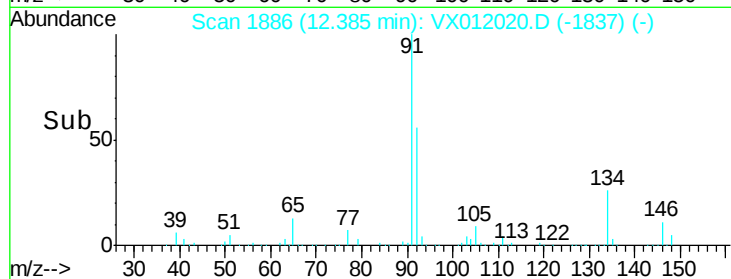
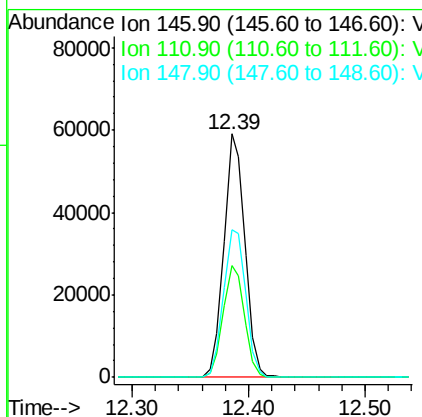
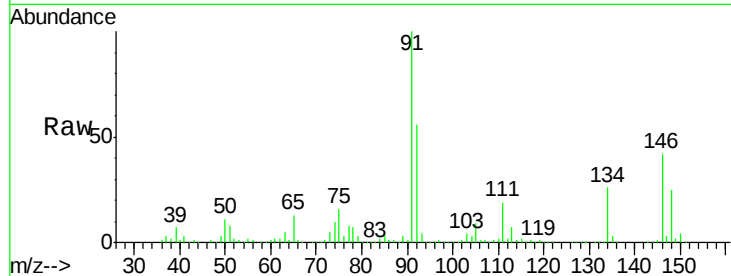
#91
 1,2-Dichlorobenzene
 Concen: 22.236 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.3	69.9
148	64.3	32.0	96.0

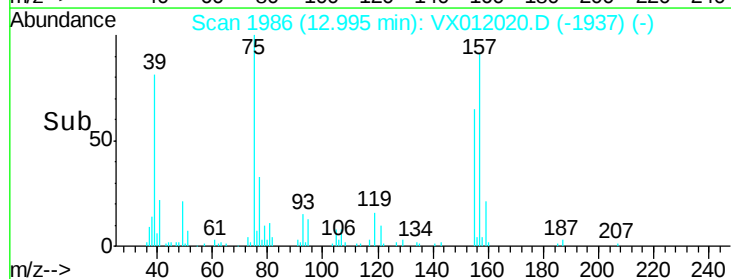
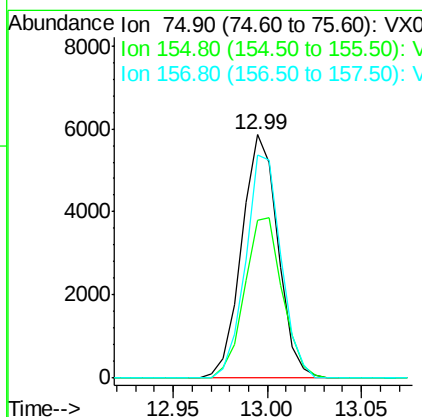
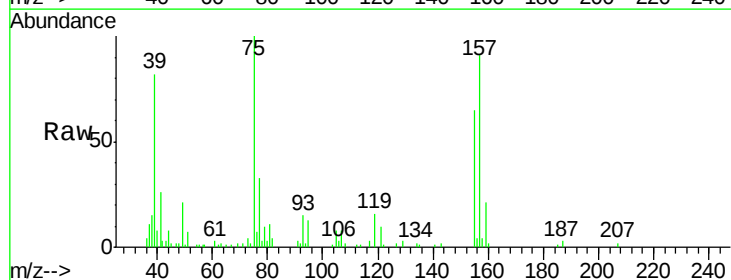
Manual Integrations
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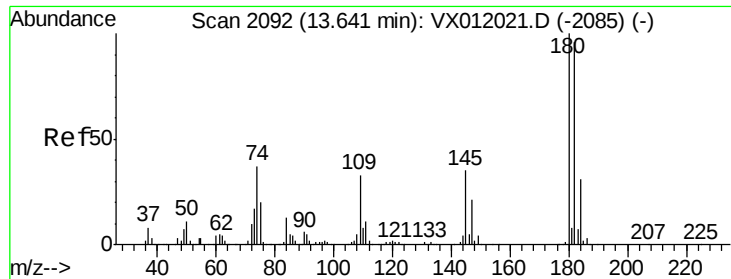
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 32.501 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.0	35.5	106.5
157	89.2	44.8	134.3





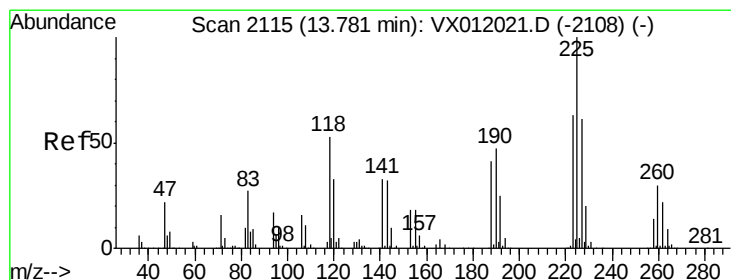
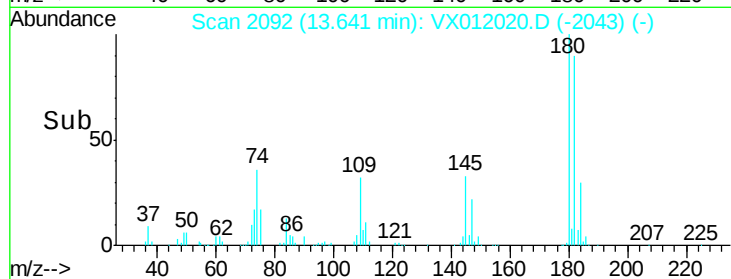
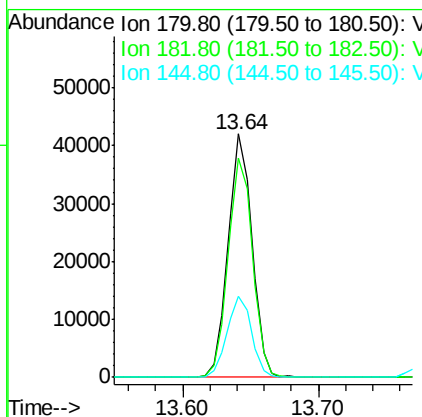
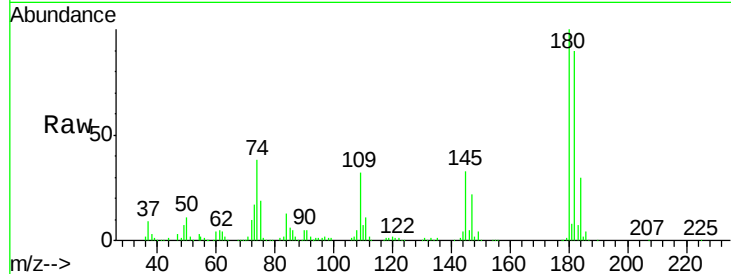
#93
 1,2,4-Trichlorobenzene
 Concen: 17.896 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51435		
182	91.7	46.8	140.3	
145	33.7	17.5	52.6	

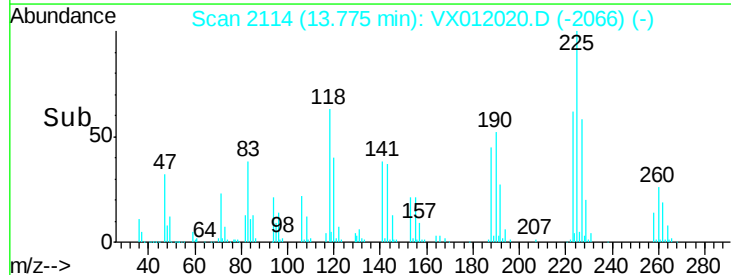
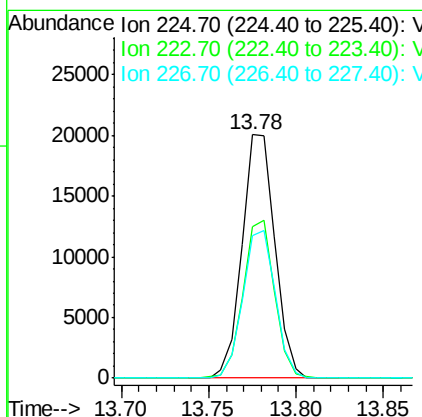
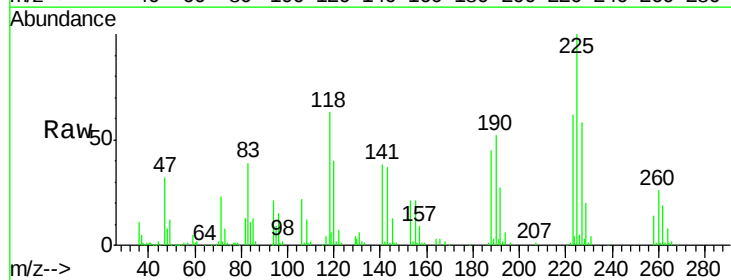
Manual Integrations
 APPROVED

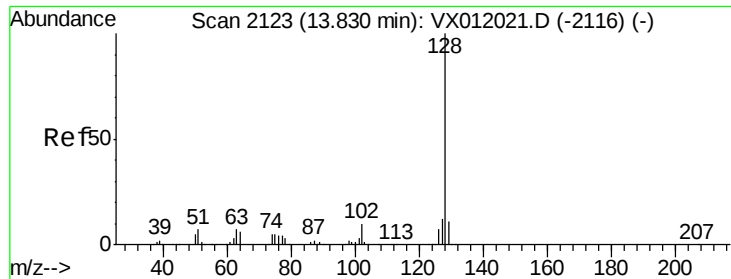
sam
 9/4/2019 4:46:19 PM



#94
 Hexachlorobutadiene
 Concen: 13.045 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012020.D
 Acq: 03 Sep 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26195		
223	61.7	33.0	98.9	
227	59.7	30.6	91.8	





#95

Naphthalene

Concen: 24.604 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Instrument :

MSVOA_X

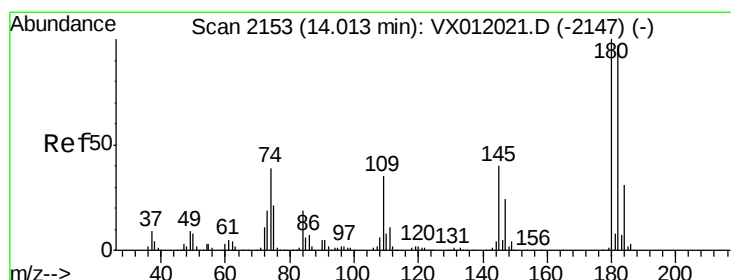
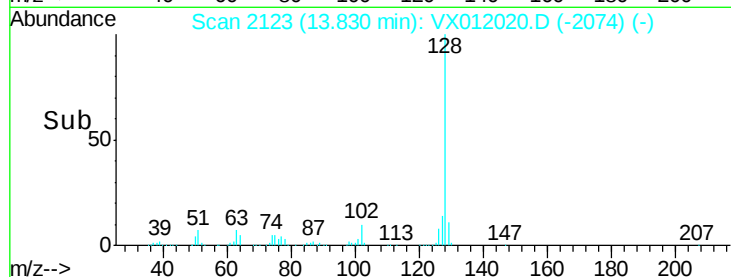
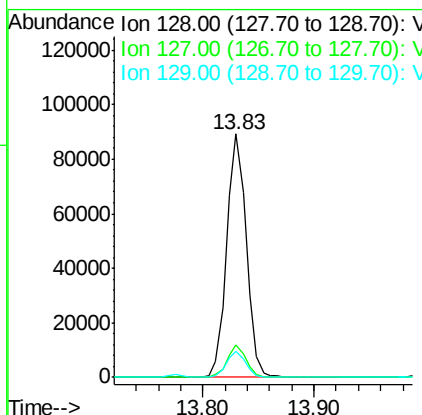
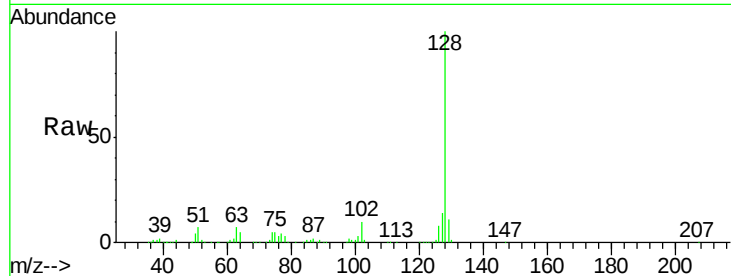
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	108729
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.0	15.0
129	10.5	8.8	13.2

Manual Integrations
APPROVED

sam
9/4/2019 4:46:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.753 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012020.D

Acq: 03 Sep 2019 13:40

Tgt Ion:	180	Resp:	44865
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.1	141.3
145	37.1	18.4	55.2

