

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050420\
 Data File : VX016033.D
 Acq On : 04 May 2020 13:10
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:35:24 AM

Quant Time: May 04 13:37:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 13:19:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	315897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	515241	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	486266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	246365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	421229	87.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.02%	
35) Dibromofluoromethane	5.47	113	331346	90.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.94%	
50) Toluene-d8	8.70	98	1290911	95.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.22%	
62) 4-Bromofluorobenzene	11.12	95	499481	102.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	341456	102.594	ug/l	99
3) Chloromethane	1.31	50	375281	94.269	ug/l	100
4) Vinyl Chloride	1.39	62	413110	98.515	ug/l	99
5) Bromomethane	1.62	94	187325	73.656	ug/l	96
6) Chloroethane	1.70	64	258305	98.284	ug/l	99
7) Trichlorofluoromethane	1.90	101	542491	98.937	ug/l	98
8) Diethyl Ether	2.17	74	226037	97.369	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	312658	99.089	ug/l	98
10) Methyl Iodide	2.49	142	456373	113.172	ug/l	100
11) Tert butyl alcohol	3.03	59	543601	528.161	ug/l	100
12) 1,1-Dichloroethene	2.35	96	327822	99.154	ug/l	95
13) Acrolein	2.28	56	341583	541.467	ug/l	100
14) Allyl chloride	2.70	41	608491	100.773	ug/l	99
15) Acrylonitrile	3.12	53	1114047	512.582	ug/l	100
16) Acetone	2.42	43	937163	502.945	ug/l	99
17) Carbon Disulfide	2.54	76	1003232	84.884	ug/l	99
18) Methyl Acetate	2.75	43	457567	99.669	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	1154745	102.419	ug/l	99
20) Methylene Chloride	2.83	84	364866	92.754	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	359707	96.812	ug/l	100
22) Diisopropyl ether	3.83	45	1144769	100.425	ug/l	88
23) Vinyl Acetate	3.79	43	5218090	528.815	ug/l	99
24) 1,1-Dichloroethane	3.67	63	641625	100.926	ug/l	99
25) 2-Butanone	4.64	43	1561587	530.439	ug/l	99
26) 2,2-Dichloropropane	4.55	77	575733	97.870	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	402790	100.719	ug/l	100
28) Bromochloromethane	4.98	49	292946	101.712	ug/l	99
29) Tetrahydrofuran	5.09	42	1025774	523.248	ug/l	100
30) Chloroform	5.18	83	640236	101.064	ug/l	98
31) Cyclohexane	5.55	56	591703	99.748	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	584127	101.564	ug/l	100
36) 1,1-Dichloropropene	5.77	75	495485	96.344	ug/l	99
37) Ethyl Acetate	4.80	43	599108	102.294	ug/l	100
38) Carbon Tetrachloride	5.76	117	516904	100.014	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	608637	99.235	ug/l	99
40) Benzene	6.12	78	1452223	96.482	ug/l	100
41) Methacrylonitrile	5.01	41	325841	103.017	ug/l	99
42) 1,2-Dichloroethane	6.17	62	523568	96.293	ug/l	99
43) Isopropyl Acetate	6.42	43	959183	102.921	ug/l	100
44) Trichloroethene	7.19	130	479135	86.085	ug/l	100
45) 1,2-Dichloropropane	7.49	63	373120	98.715	ug/l	98
46) Dibromomethane	7.64	93	253204	98.515	ug/l	99
47) Bromodichloromethane	7.88	83	530322	102.768	ug/l	98
48) Methyl methacrylate	7.75	41	459006	104.670	ug/l	100
49) 1,4-Dioxane	7.72	88	215883	2035.398	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	2966419	522.810	ug/l	99
52) Toluene	8.77	92	930433	100.332	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	625432	101.293	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	648512	99.966	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	368854	101.786	ug/l	99
56) Ethyl methacrylate	9.16	69	634412	110.654	ug/l	99
57) 1,3-Dichloropropane	9.35	76	631859	98.936	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1616196	517.495	ug/l	100
59) 2-Hexanone	9.48	43	2316928	521.062	ug/l	99
60) Dibromochloromethane	9.57	129	421494	107.948	ug/l	99
61) 1,2-Dibromoethane	9.66	107	401064	102.350	ug/l	100
64) Tetrachloroethene	9.32	164	561083	90.861	ug/l	97
65) Chlorobenzene	10.12	112	988191	95.842	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	380324	101.386	ug/l	99
67) Ethyl Benzene	10.24	91	1786384	97.394	ug/l	100
68) m/p-Xylenes	10.34	106	1358889	199.481	ug/l	99
69) o-Xylene	10.68	106	653389	100.220	ug/l	100
70) Styrene	10.70	104	1151414	106.085	ug/l	100
71) Bromoform	10.84	173	324684	111.231	ug/l #	97
73) Isopropylbenzene	11.01	105	1758561	96.105	ug/l	99
74) N-amyl acetate	10.88	43	839971	100.369	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	399516	149.585	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	537172m	74.635	ug/l	
77) Bromobenzene	11.24	156	446356	94.394	ug/l	99
78) n-propylbenzene	11.35	91	2047511	96.447	ug/l	100
79) 2-Chlorotoluene	11.41	91	1197714	95.388	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1518868	99.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	245566	106.624	ug/l	98
82) 4-Chlorotoluene	11.49	91	1423362	96.574	ug/l	100
83) tert-Butylbenzene	11.76	119	1300149	99.085	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	1513350	98.034	ug/l	100
85) sec-Butylbenzene	11.93	105	1741040	97.820	ug/l	100
86) p-Isopropyltoluene	12.05	119	1624201	98.653	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	799041	94.032	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	797361	93.721	ug/l	99
89) n-Butylbenzene	12.37	91	1483299	99.013	ug/l	100
90) Hexachloroethane	12.58	117	292381	106.864	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	775269	95.099	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	147099	99.924	ug/l	98

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VSTDICC100

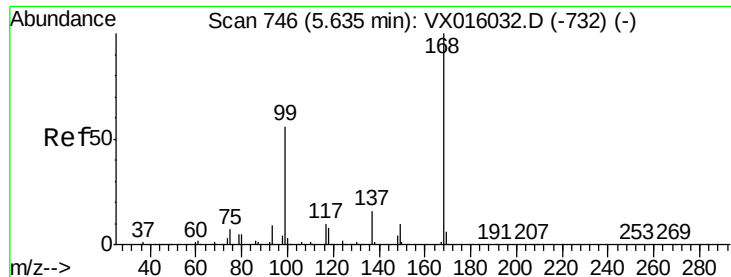
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	572668	95.257	ug/l	96
94) Hexachlorobutadiene	13.77	225	255706	90.558	ug/l	98
95) Naphthalene	13.82	128	1889591	97.625	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	564499	95.965	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 315897

Ion Ratio Lower Upper

168 100

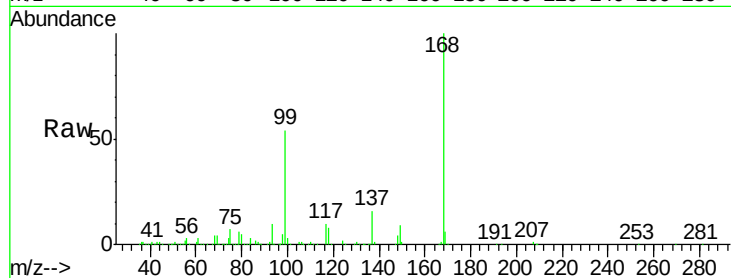
99 54.3 45.0 67.4

Manual Integrations

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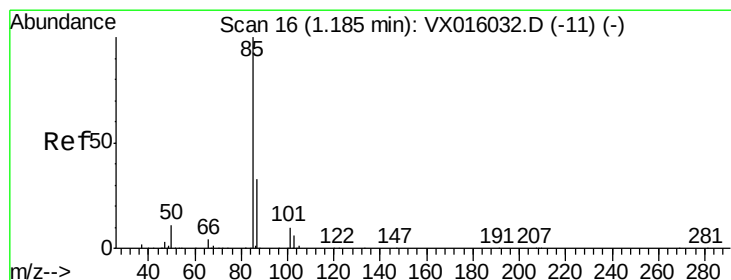
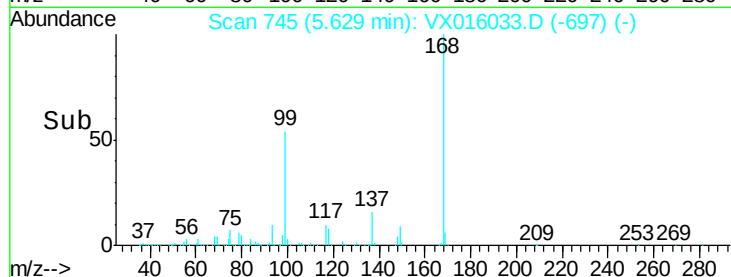
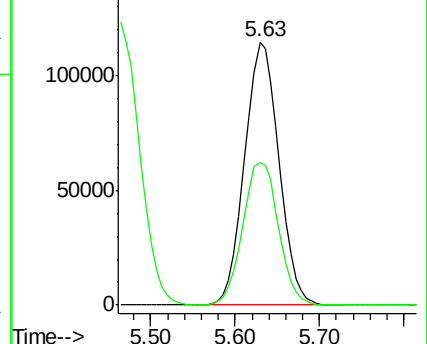
MMDadoda

5/5/2020 11:35:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 102.594 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX016033.D

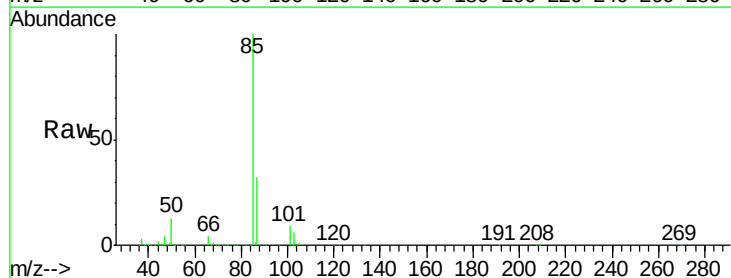
Acq: 04 May 2020 13:10

Tgt Ion: 85 Resp: 341456

Ion Ratio Lower Upper

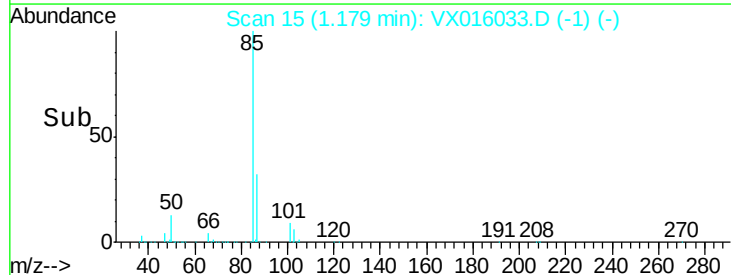
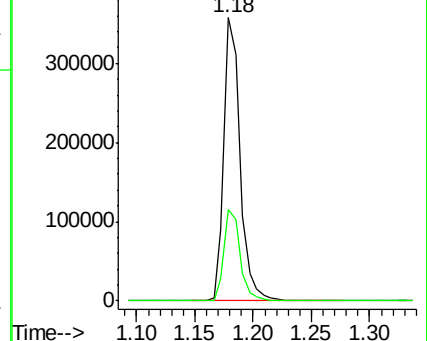
85 100

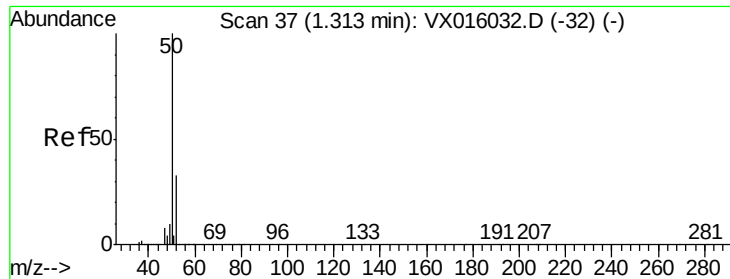
87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 94.269 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 375281

Ion Ratio Lower Upper

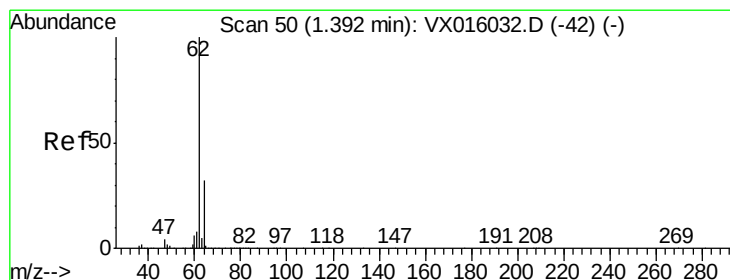
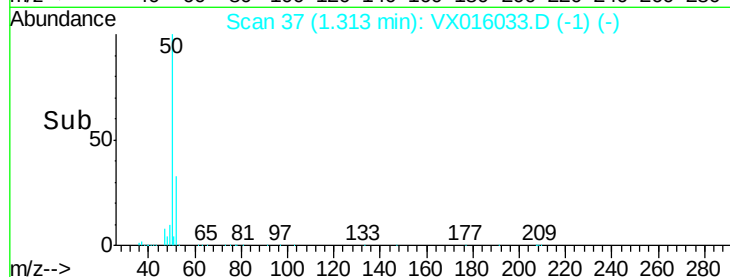
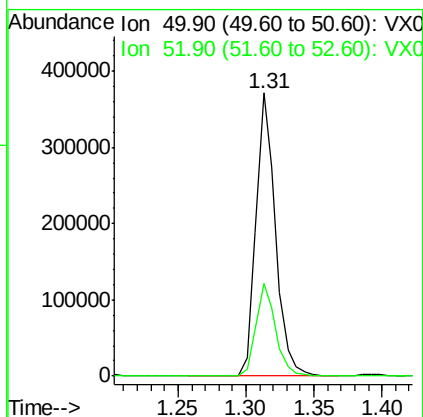
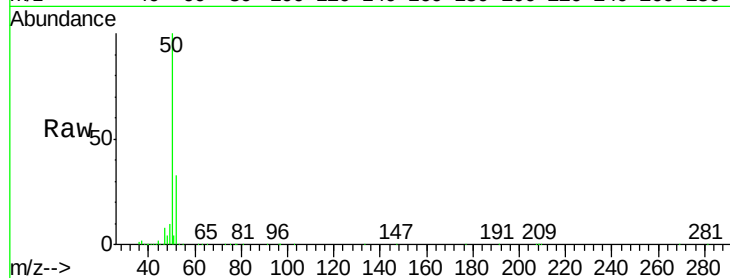
50 100

52 32.5 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 98.515 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016033.D

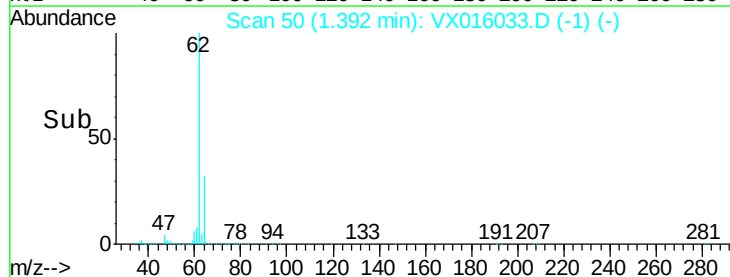
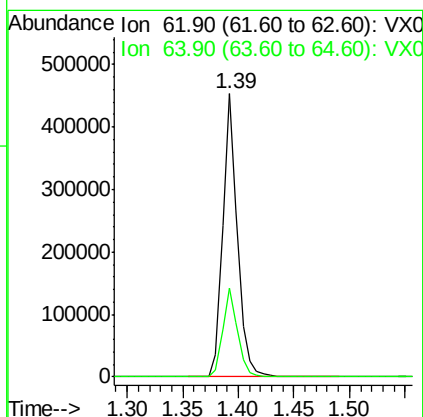
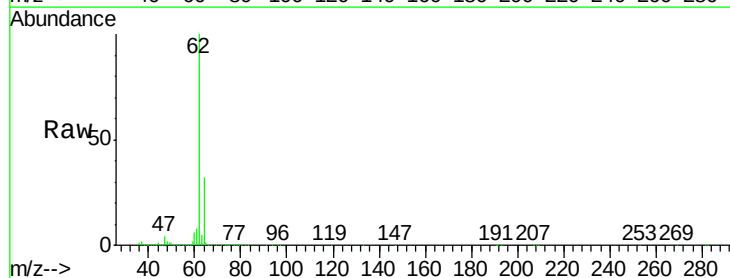
Acq: 04 May 2020 13:10

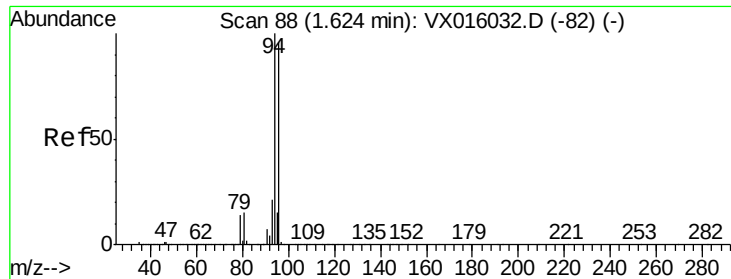
Tgt Ion: 62 Resp: 413110

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 73.656 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 187325

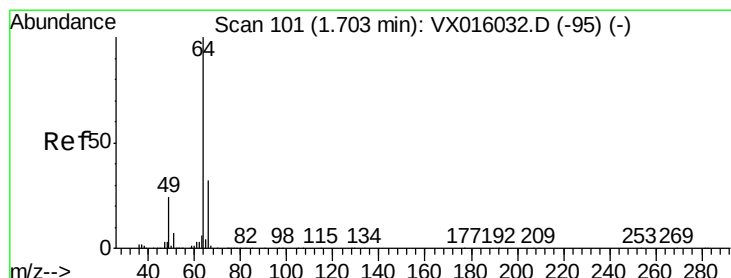
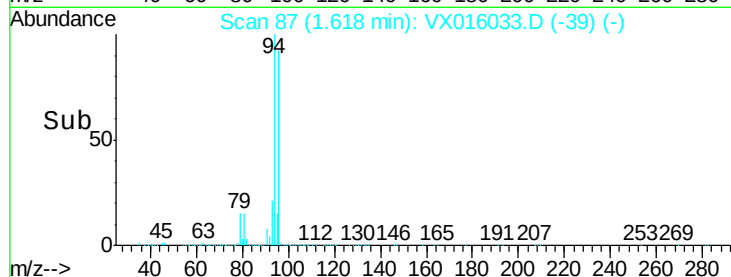
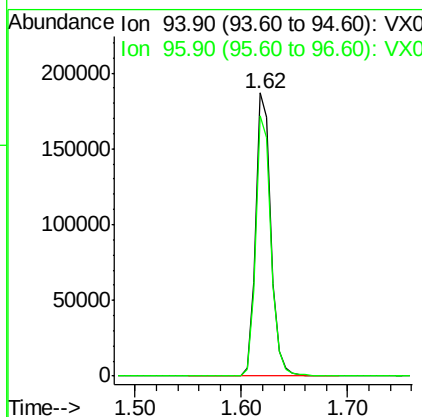
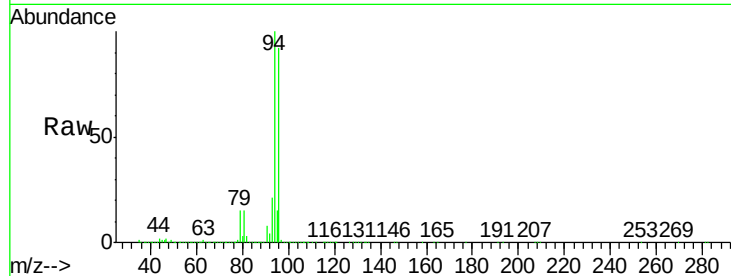
Ion Ratio Lower Upper

94 100

96 91.8 76.9 115.3

Manual Integrations
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5/5/2020 11:35:24 AM



#6

Chloroethane

Concen: 98.284 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX016033.D

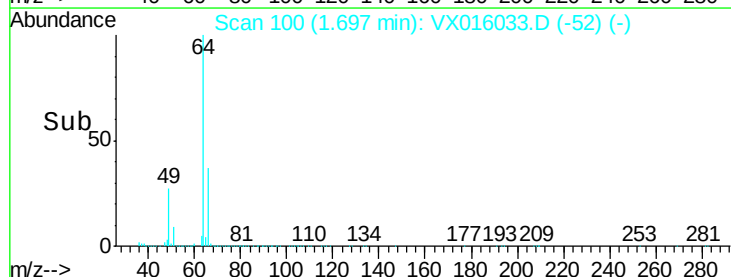
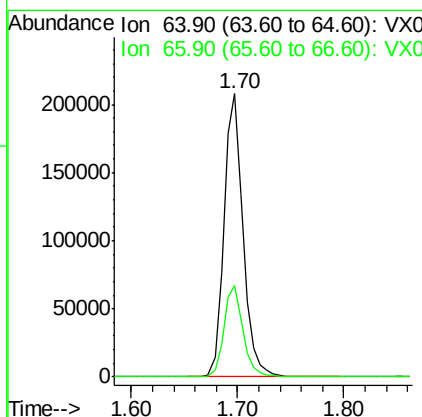
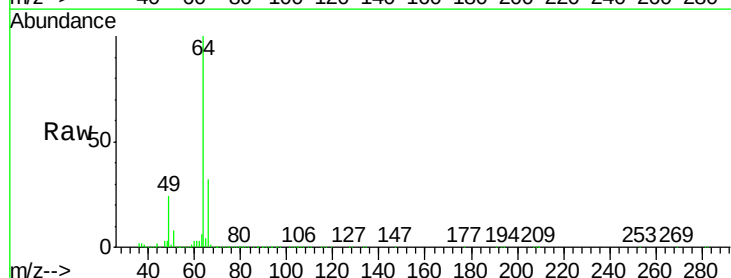
Acq: 04 May 2020 13:10

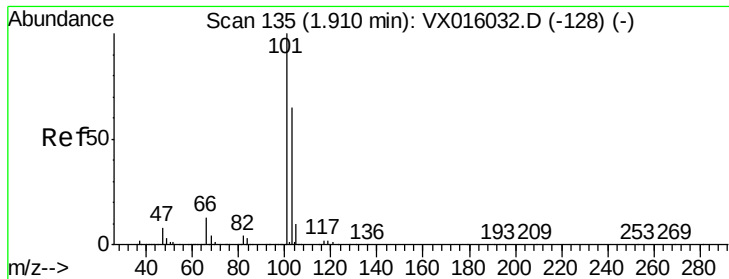
Tgt Ion: 64 Resp: 258305

Ion Ratio Lower Upper

64 100

66 32.2 25.2 37.8





#7

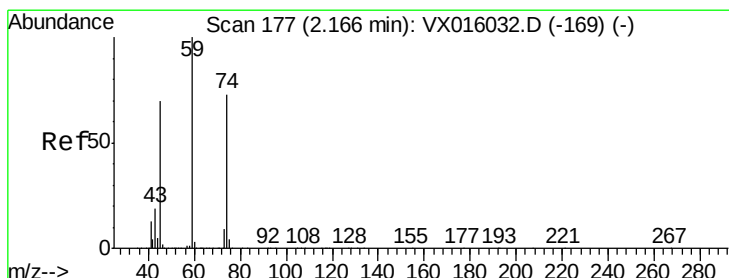
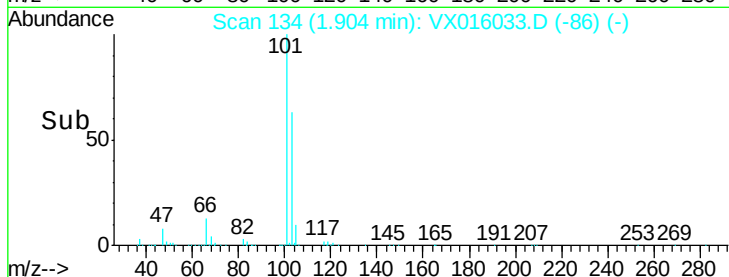
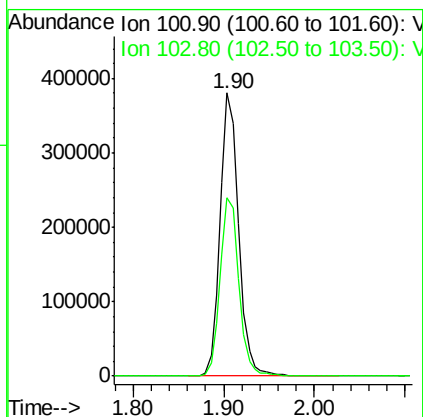
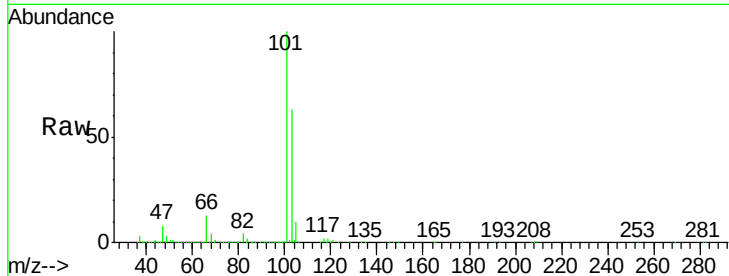
Trichlorofluoromethane
 Concen: 98.937 ug/l
 RT: 1.90 min Scan# 134
 Delta R.T. -0.01 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.8	77.6

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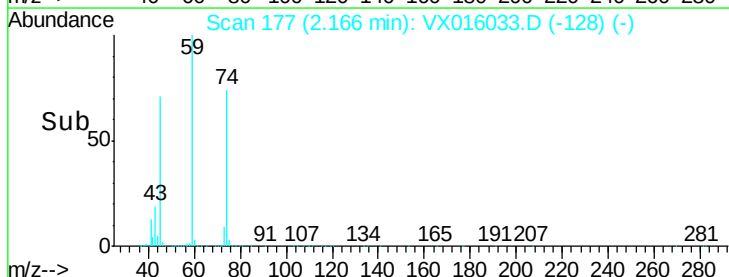
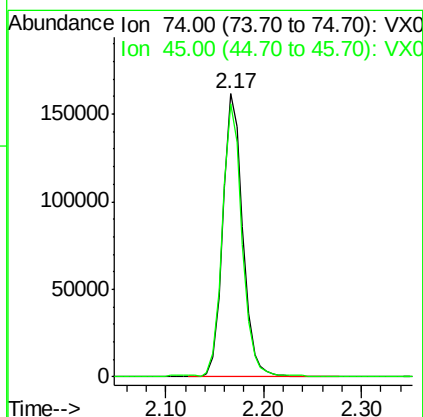
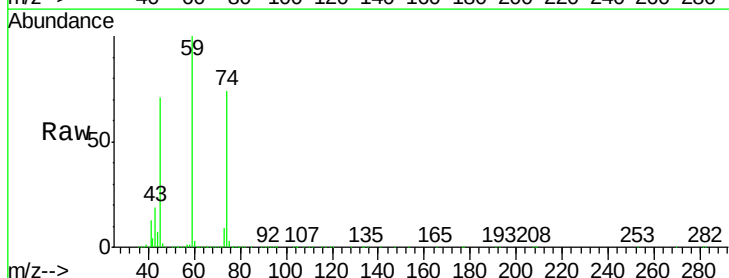
MMDadoda
 5/5/2020 11:35:24 AM

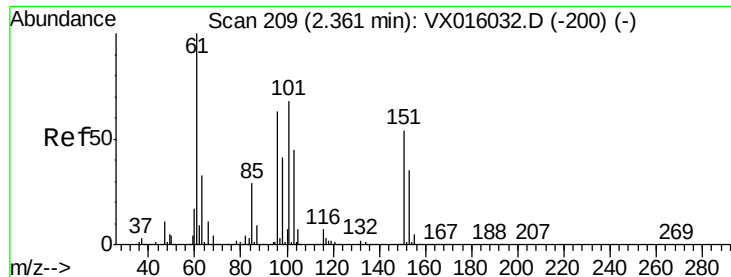


#8

Diethyl Ether
 Concen: 97.369 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.089 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

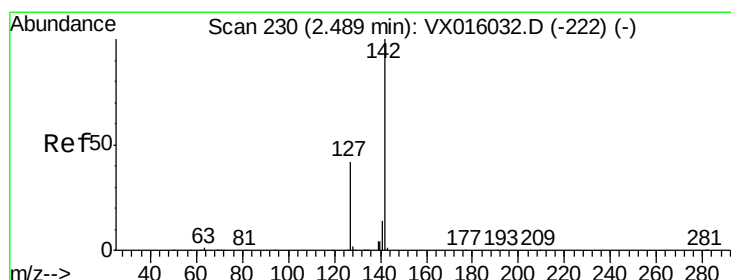
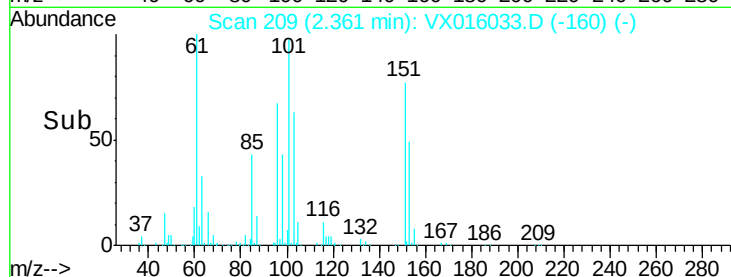
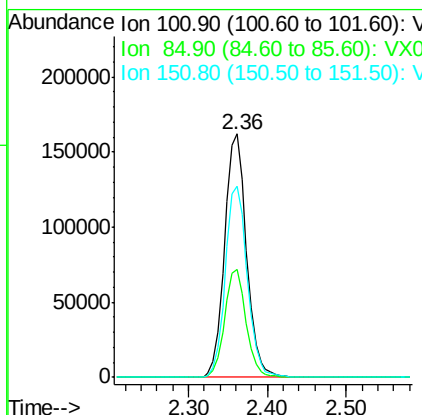
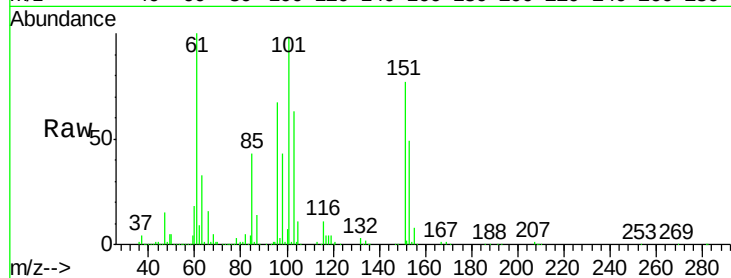
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	312658
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.2	51.4
151	79.1	62.1	93.1

Manual Integrations
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#10

Methyl Iodide

Concen: 113.172 ug/l

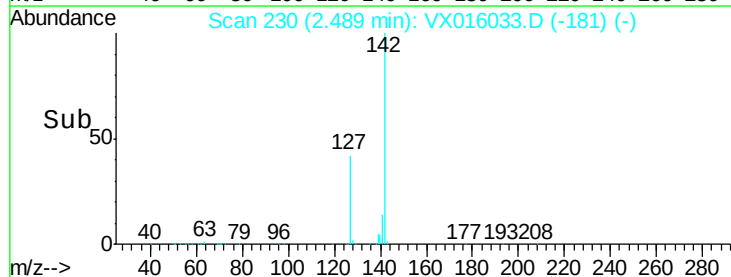
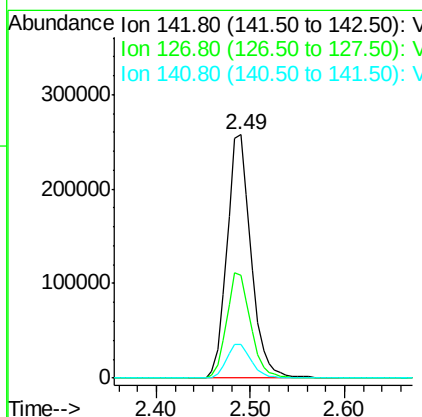
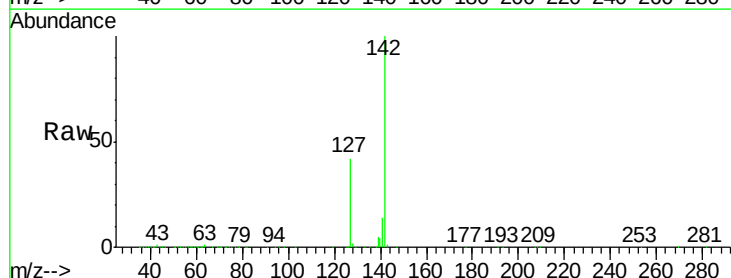
RT: 2.49 min Scan# 230

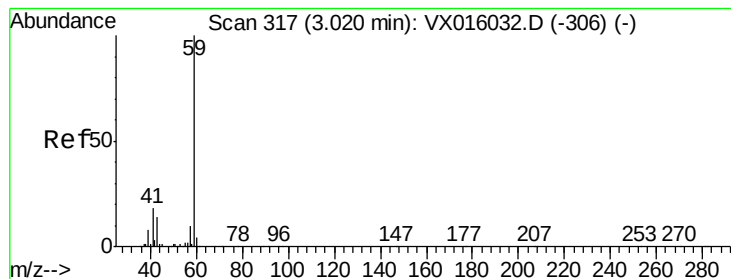
Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Tgt Ion:	142	Resp:	456373
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.6	52.0
141	14.3	11.3	16.9





#11

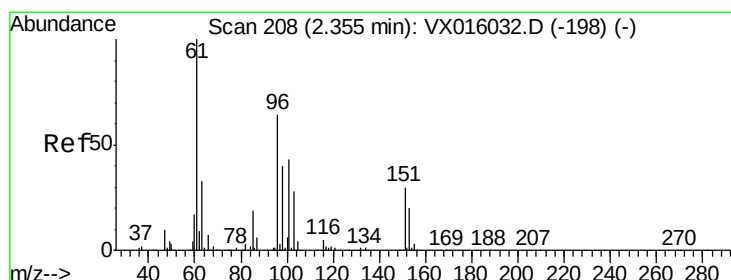
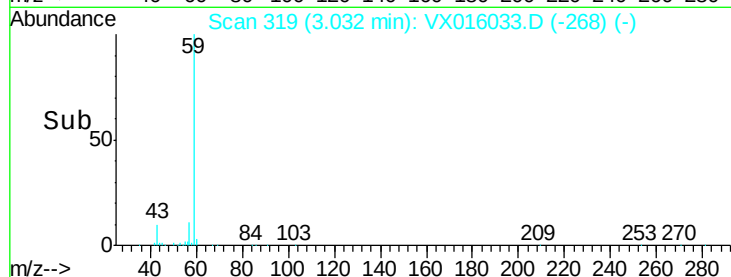
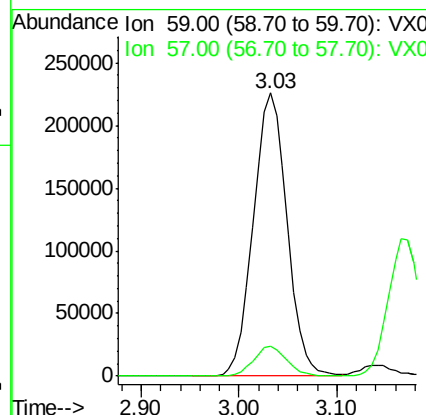
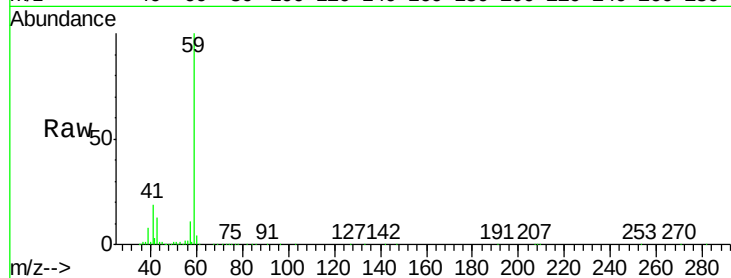
Tert butyl alcohol
Concen: 528.161 ug/l
RT: 3.03 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

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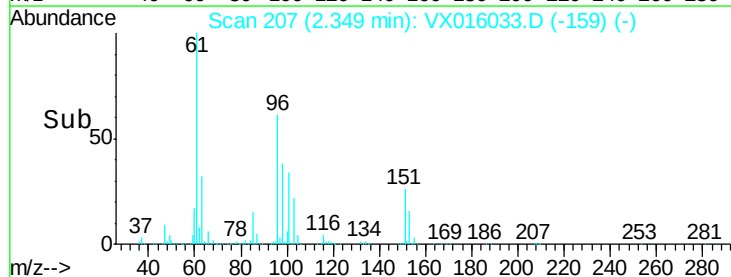
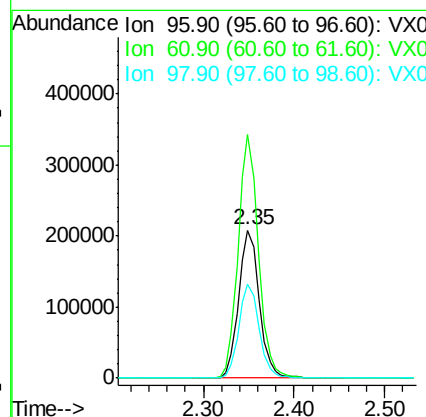
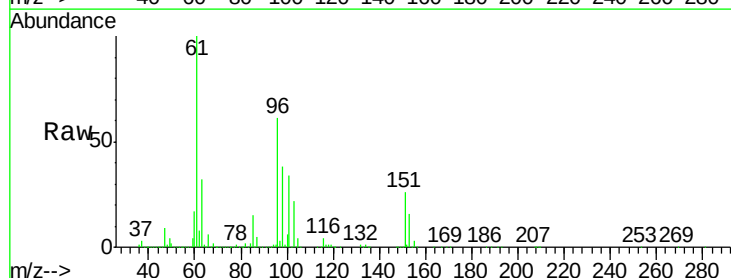
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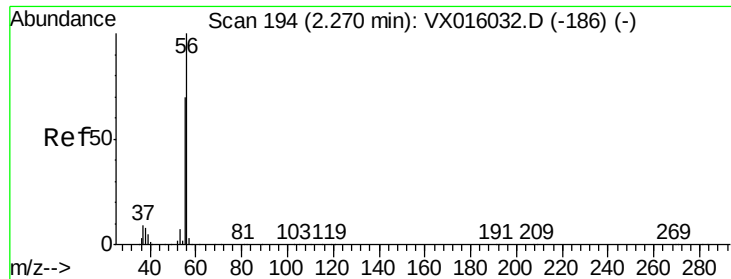


#12

1,1-Dichloroethene
Concen: 99.154 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.4	124.8	187.2
98	63.1	49.7	74.5





#13

Acrolein

Concen: 541.467 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 341583

Ion Ratio Lower Upper

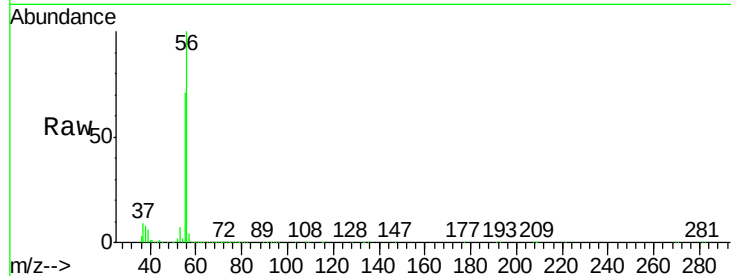
56 100

55 70.2 56.5 84.7

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

250000

200000

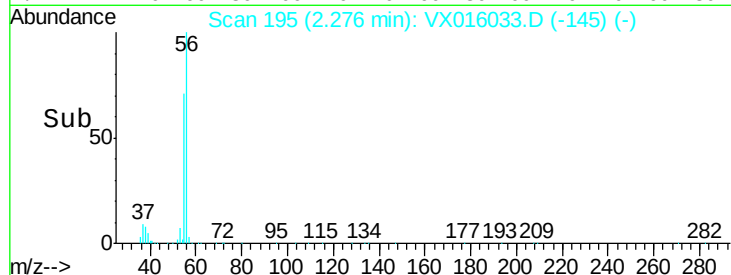
150000

100000

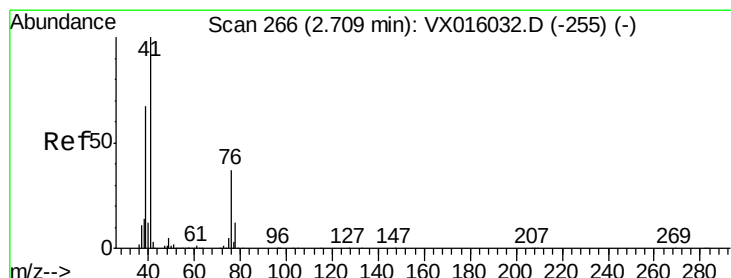
50000

0

Time-->



Time-->



#14

Allyl chloride

Concen: 100.773 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

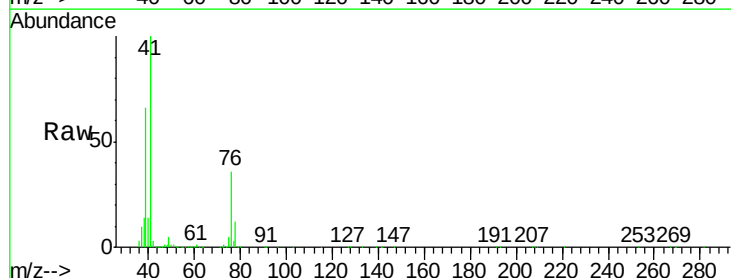
Tgt Ion: 41 Resp: 608491

Ion Ratio Lower Upper

41 100

39 62.8 50.5 75.7

76 34.1 26.6 40.0



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

400000

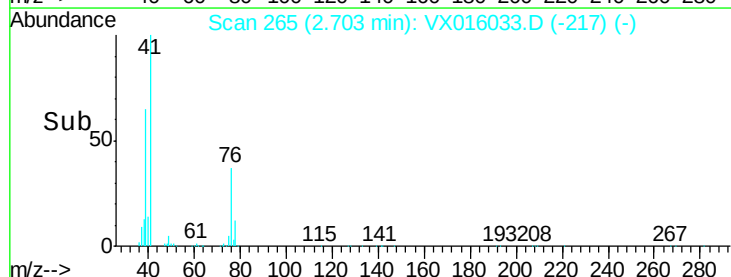
300000

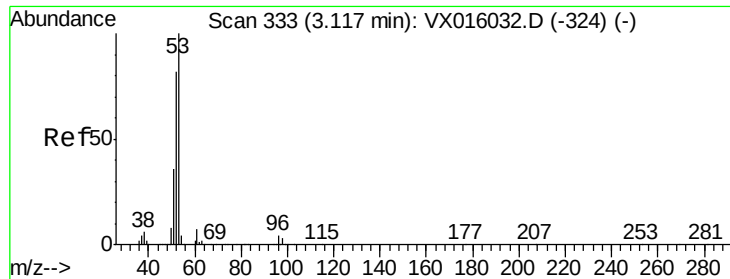
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 512.582 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 53 Resp: 1114047

Ion Ratio Lower Upper

53 100

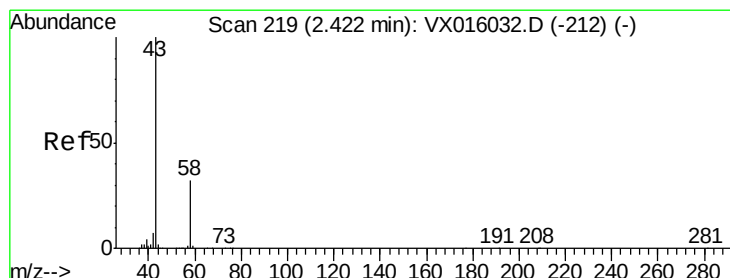
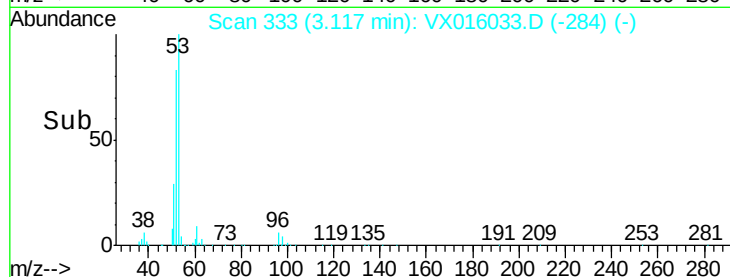
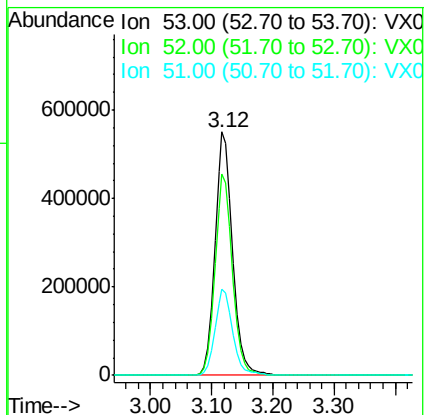
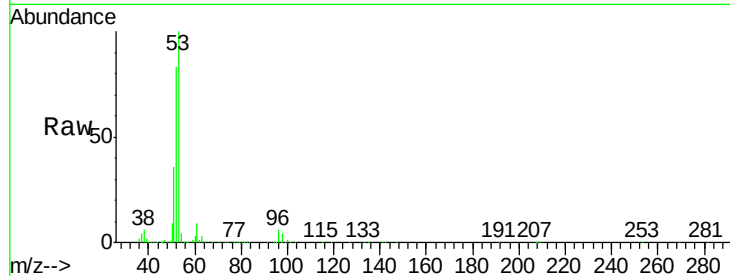
52 82.2 66.1 99.1

51 35.8 28.8 43.2

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#16

Acetone

Concen: 502.945 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016033.D

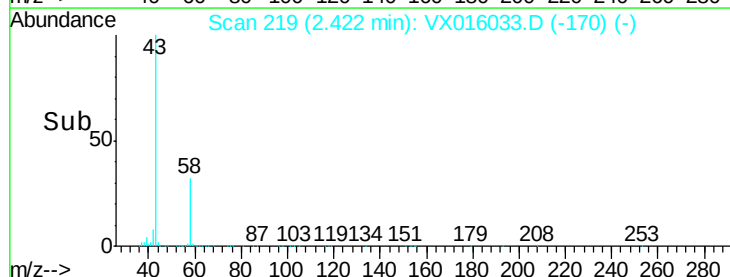
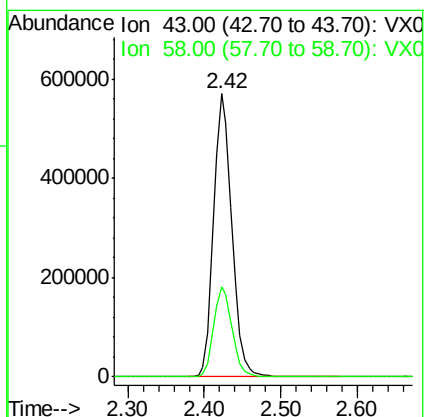
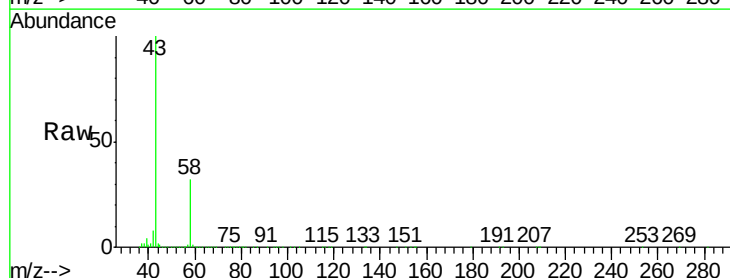
Acq: 04 May 2020 13:10

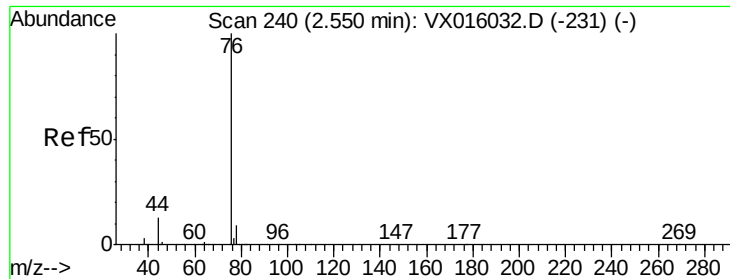
Tgt Ion: 43 Resp: 937163

Ion Ratio Lower Upper

43 100

58 32.0 25.4 38.0





#17

Carbon Disulfide

Concen: 84.884 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 1003232

Ion Ratio Lower Upper

76 100

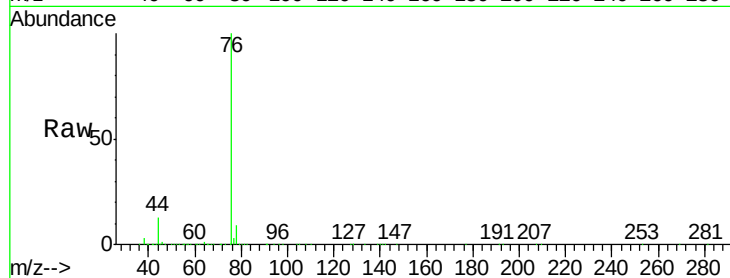
78 9.1 7.5 11.3

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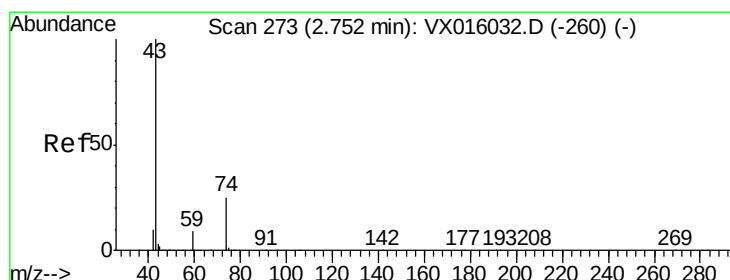
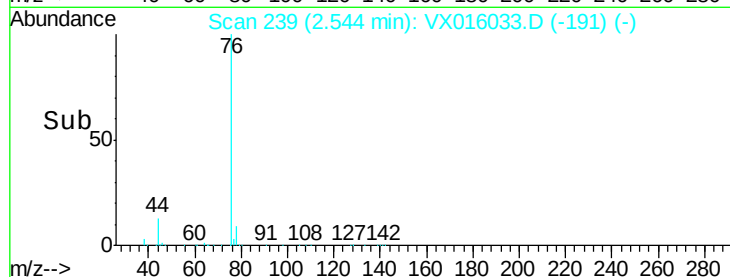
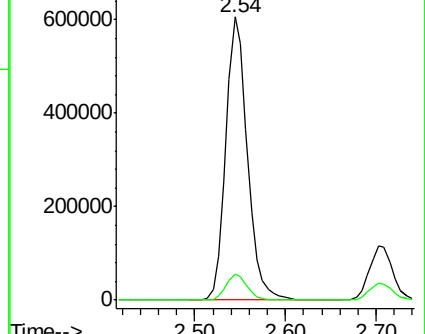
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 99.669 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016033.D

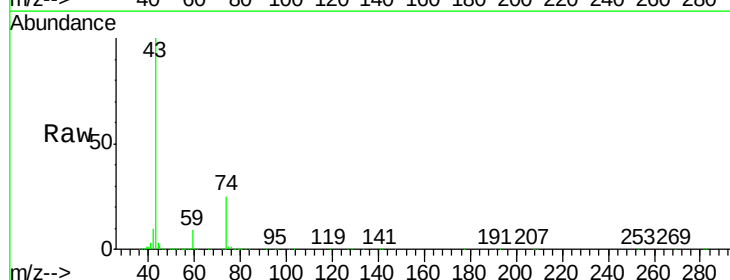
Acq: 04 May 2020 13:10

Tgt Ion: 43 Resp: 457567

Ion Ratio Lower Upper

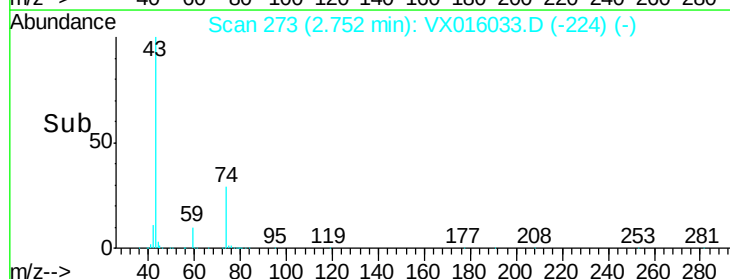
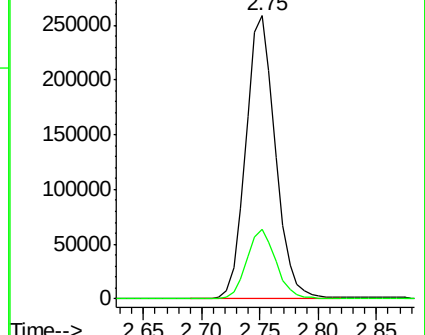
43 100

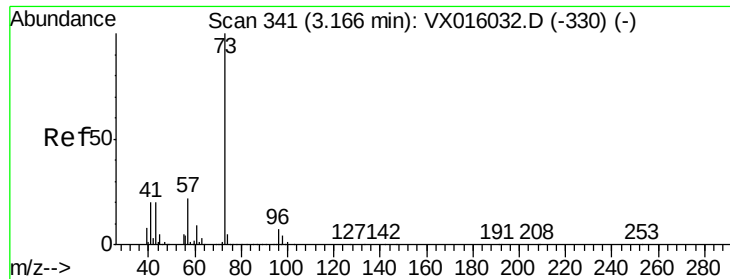
74 25.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





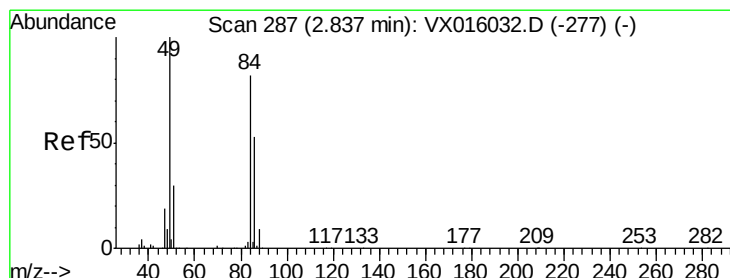
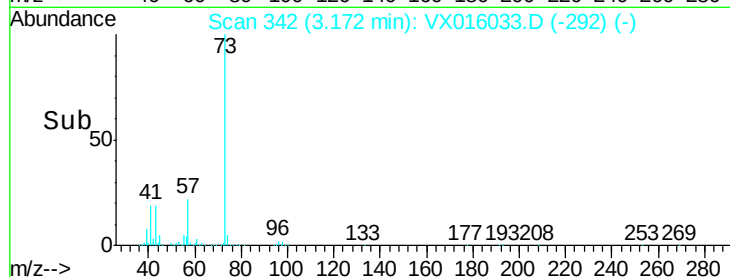
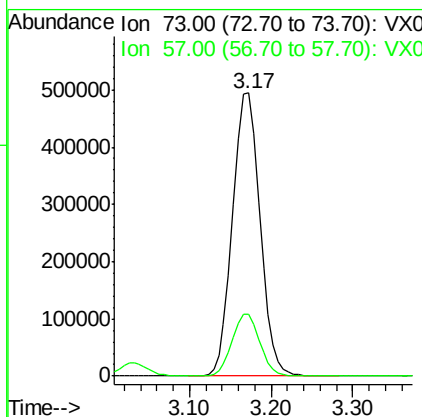
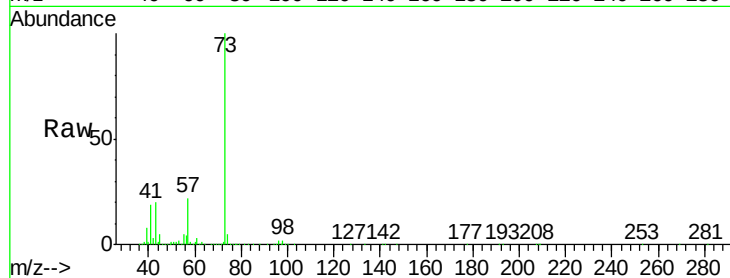
#19
Methyl tert-butyl Ether
Concen: 102.419 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 1154745
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.6

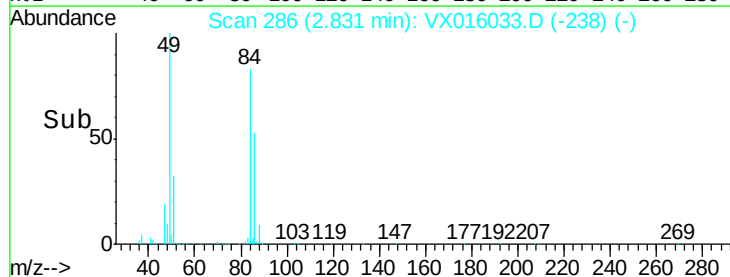
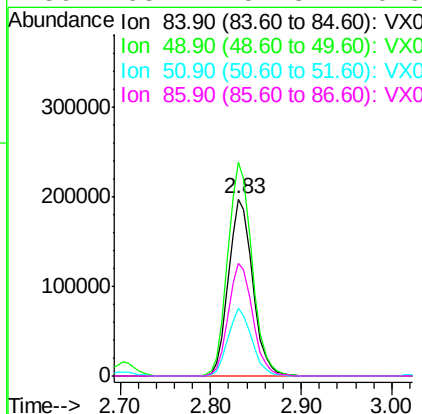
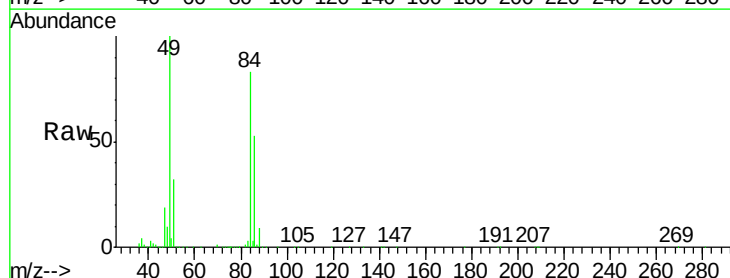
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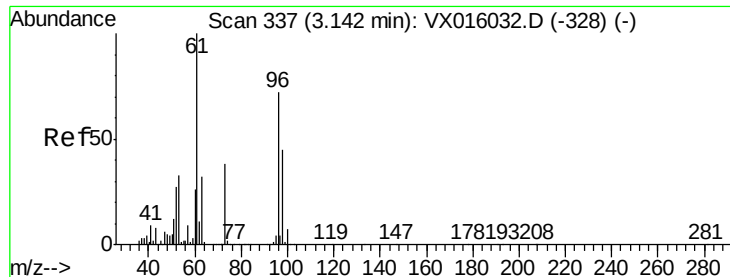
MMDadoda
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#20
Methylene Chloride
Concen: 92.754 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion: 84 Resp: 364866
Ion Ratio Lower Upper
84 100
49 120.5 97.3 145.9
51 38.2 29.3 43.9
86 63.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 96.812 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

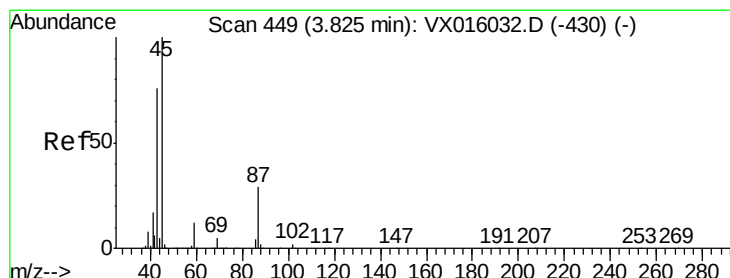
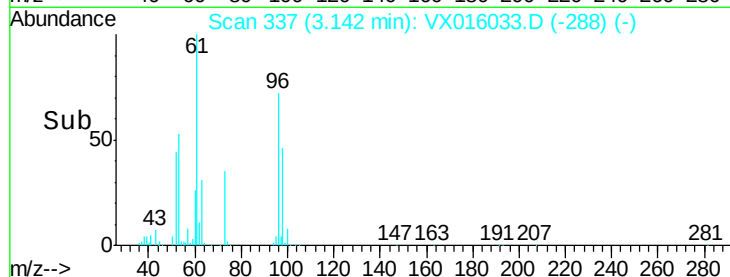
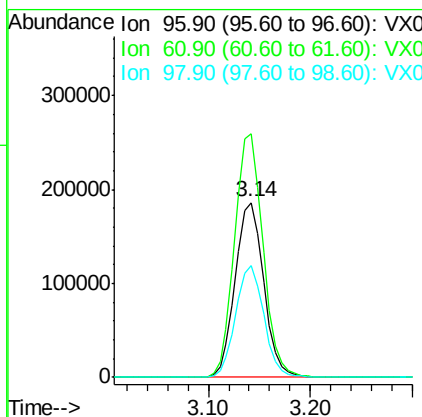
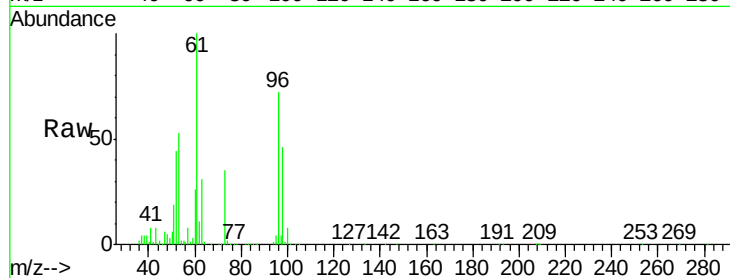
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	359707
Ion Ratio	Lower	Upper	
96	100		
61	139.2	111.2	166.8
98	63.5	50.2	75.4

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#22

Diisopropyl ether

Concen: 100.425 ug/l

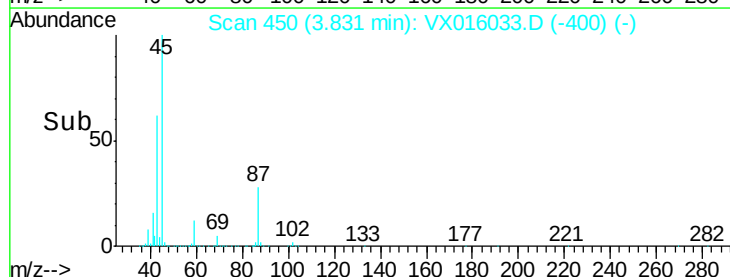
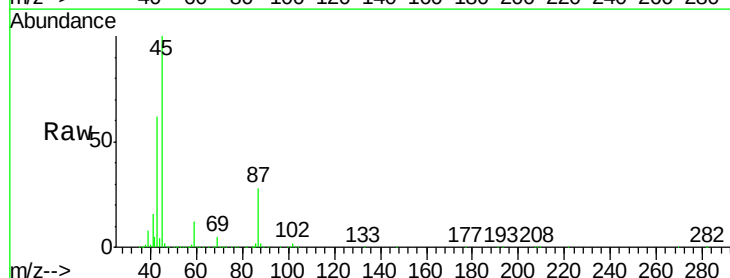
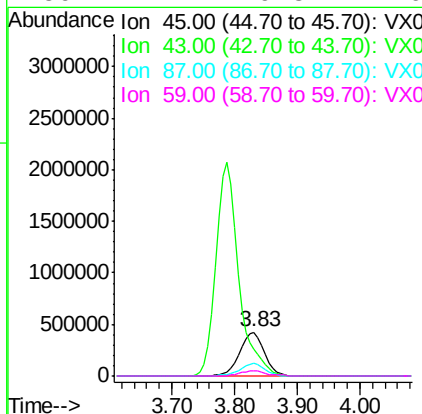
RT: 3.83 min Scan# 450

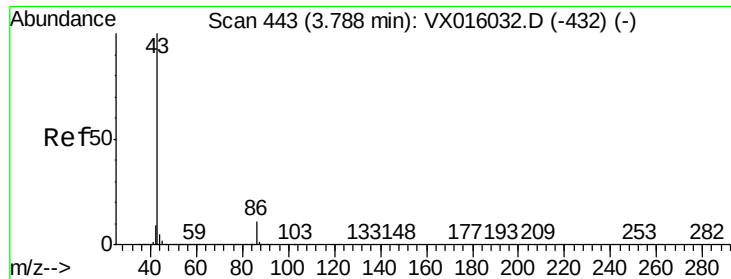
Delta R.T. 0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Tgt Ion:	45	Resp:	1144769
Ion Ratio	Lower	Upper	
45	100		
43	61.5	61.1	91.7
87	28.2	23.0	34.6
59	11.7	9.8	14.6





#23

Vinyl Acetate

Concen: 528.815 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5218090

Ion Ratio Lower Upper

43 100

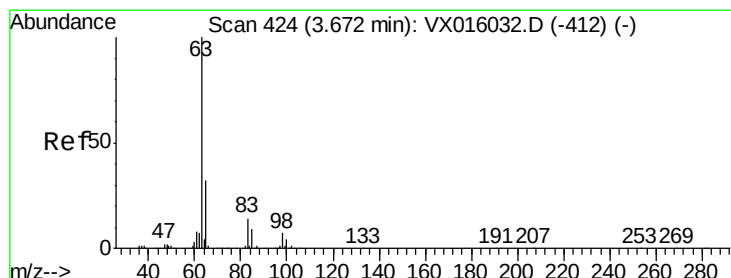
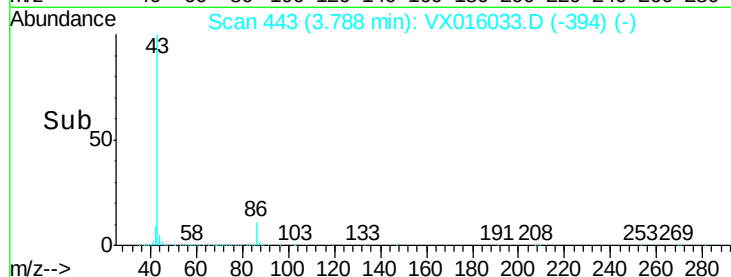
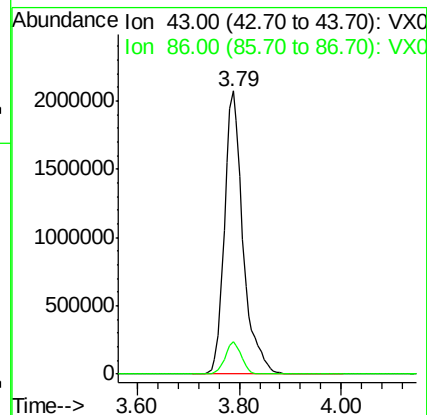
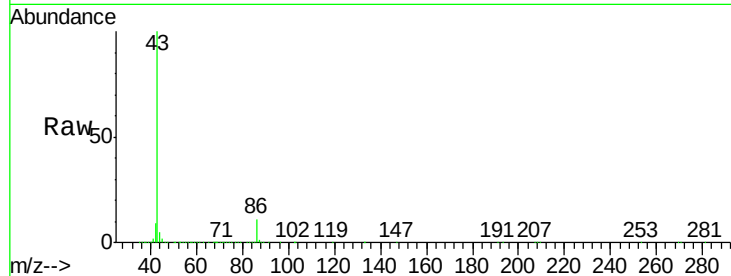
86 11.4 9.0 13.4

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#24

1,1-Dichloroethane

Concen: 100.926 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

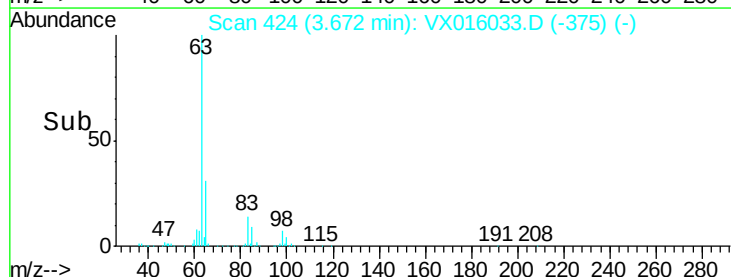
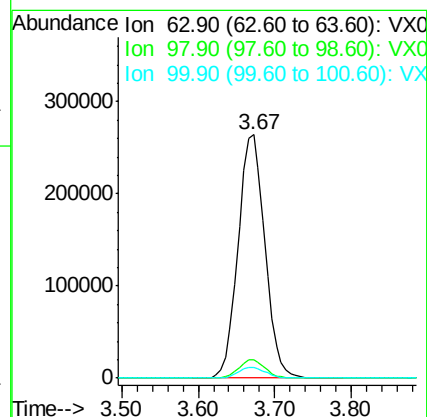
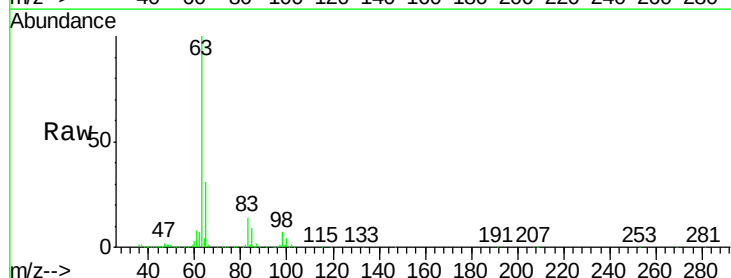
Tgt Ion: 63 Resp: 641625

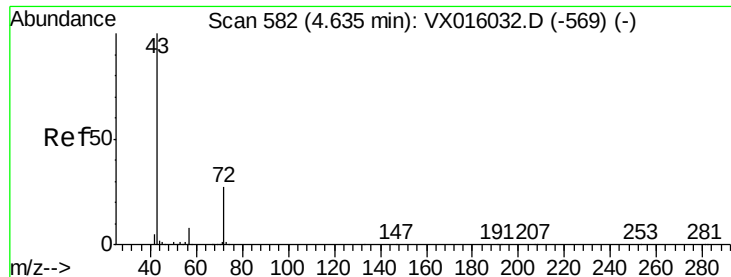
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.5 2.1 6.5





#25

2-Butanone

Concen: 530.439 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Tot Ion: 43 Resp: 1561587

Ion Ratio Lower Upper

43 100

72 26.7 21.8 32.8

Instrument :

MSVOA_X

ClientSampled :

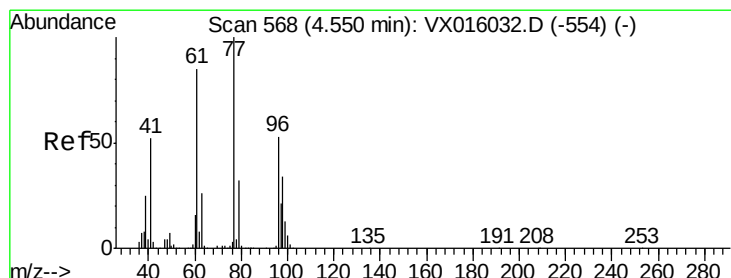
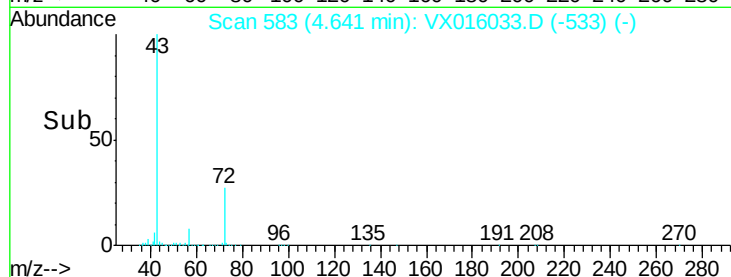
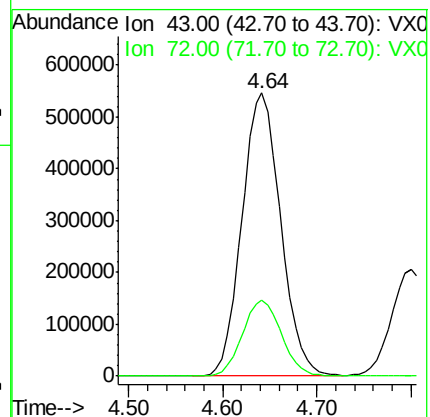
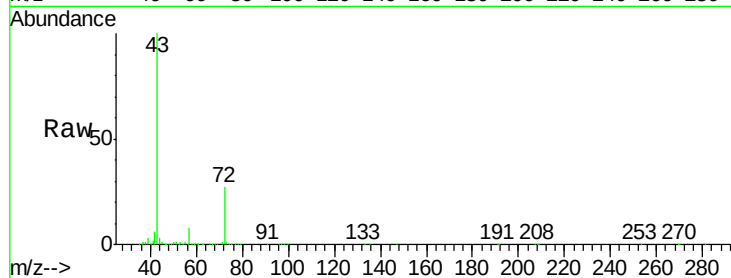
VSTDIC100

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 97.870 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016033.D

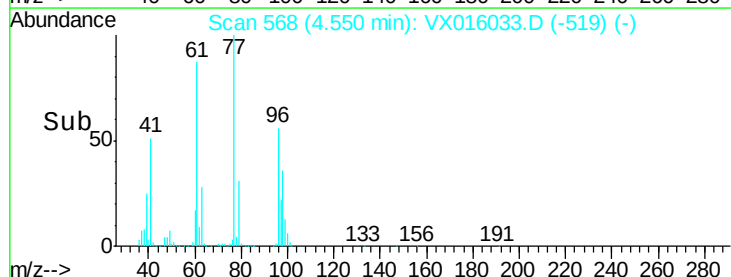
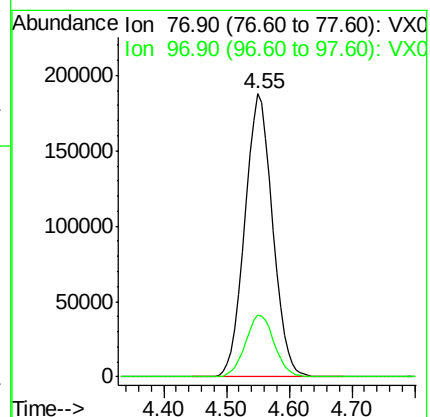
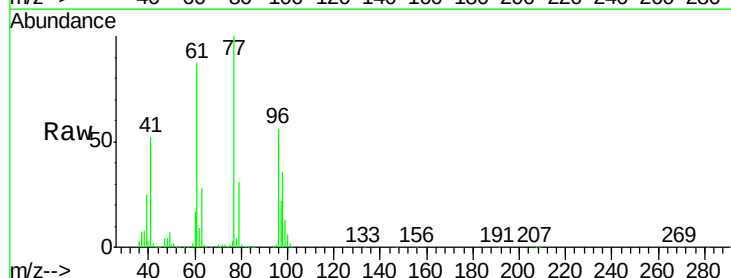
Acq: 04 May 2020 13:10

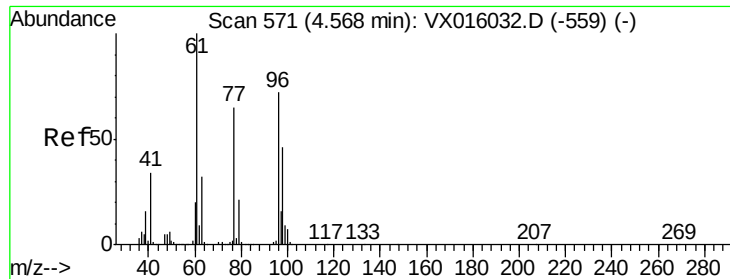
Tgt Ion: 77 Resp: 575733

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

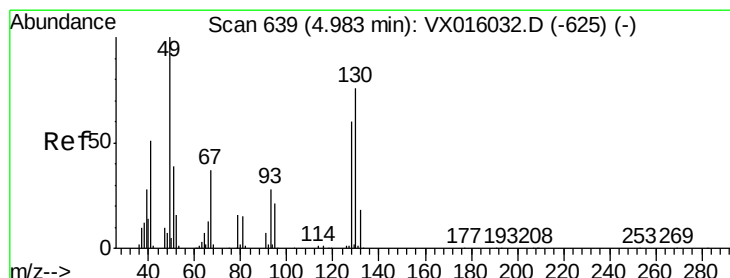
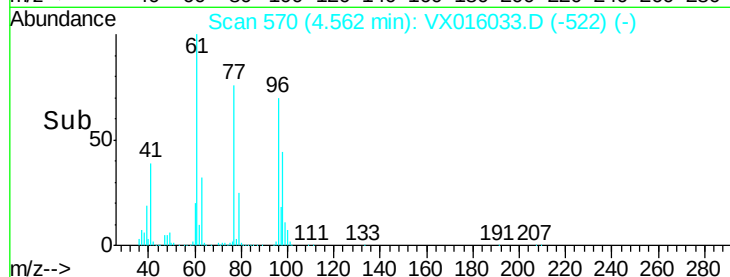
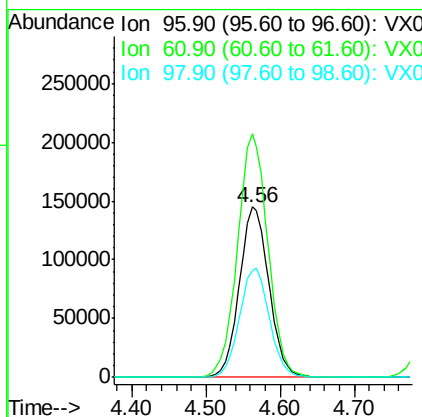
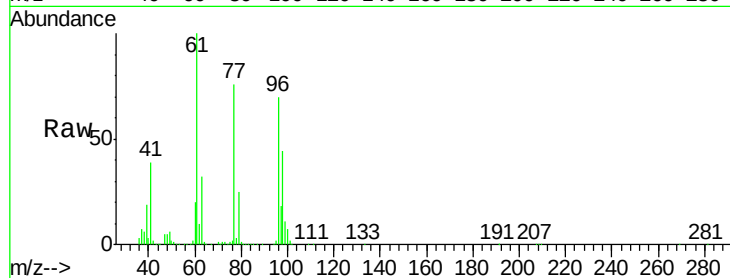
cis-1,2-Dichloroethene
Concen: 100.719 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	402790		
61	147.3	0.0	296.2	
98	64.8	0.0	129.4	

Manual Integrations
APPROVED

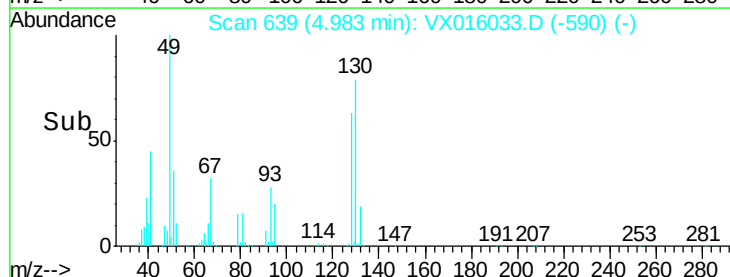
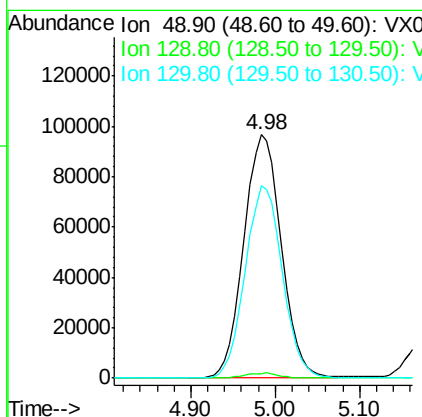
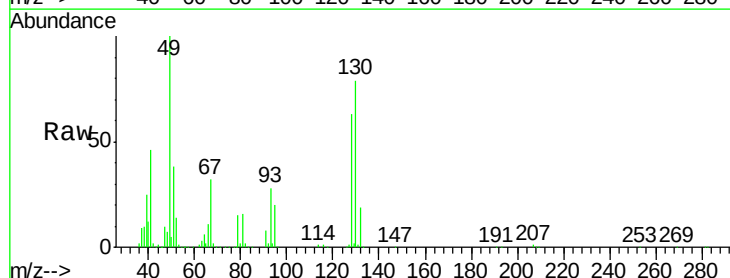
MMDadoda
5/5/2020 11:35:24 AM

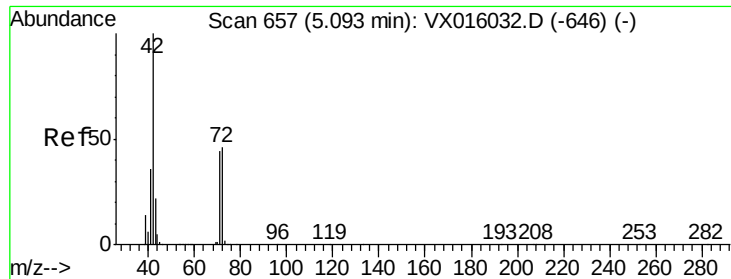


#28

Bromochloromethane
Concen: 101.712 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	292946		
129	1.9	0.0	4.0	
130	78.5	62.4	93.6	





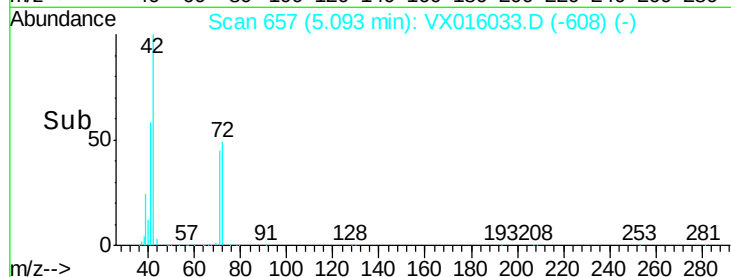
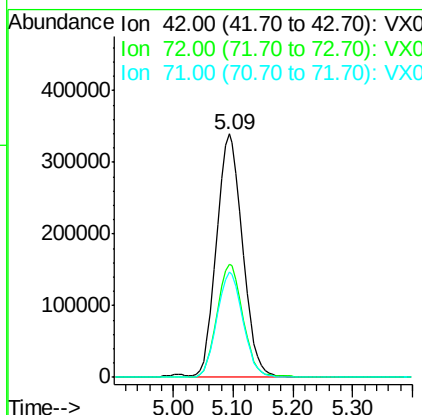
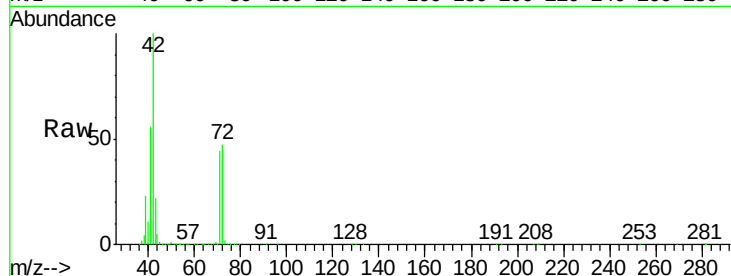
#29
Tetrahydrofuran
Concen: 523.248 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.1	55.7
71	43.2	34.5	51.7

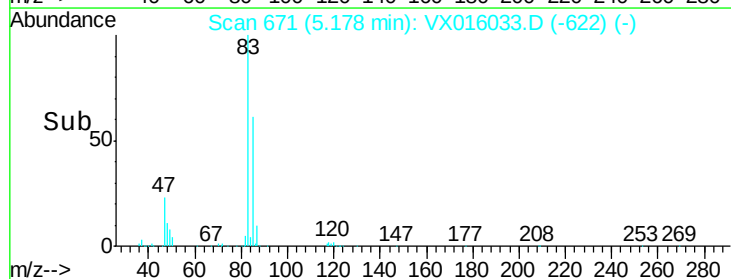
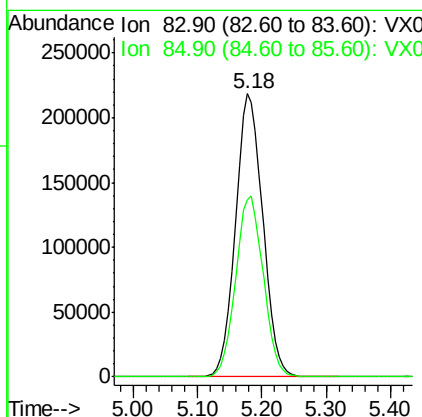
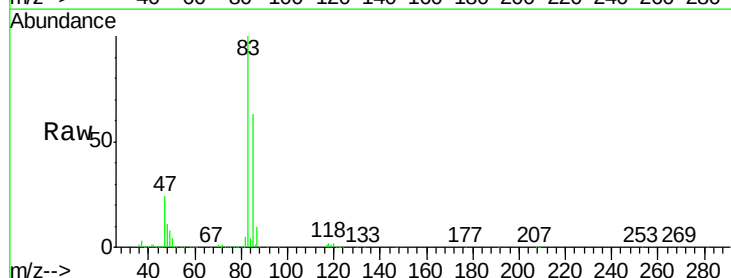
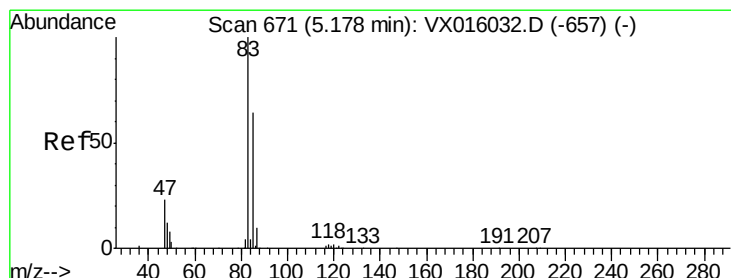
Manual Integrations
APPROVED

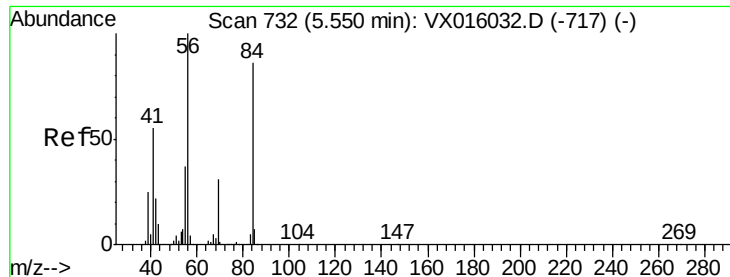
MMDadoda
5/5/2020 11:35:24 AM



#30
Chloroform
Concen: 101.064 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.6	77.4





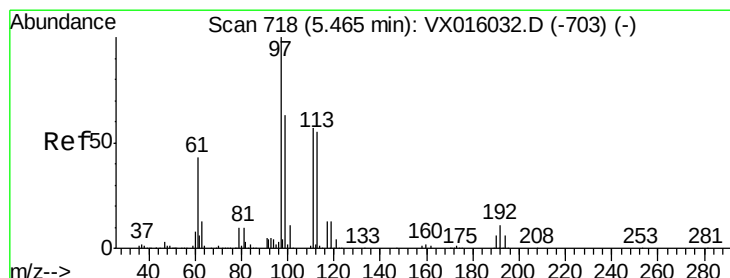
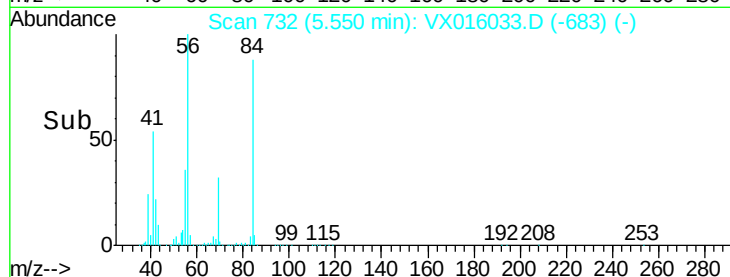
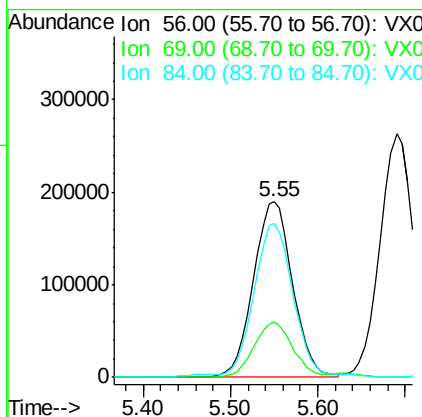
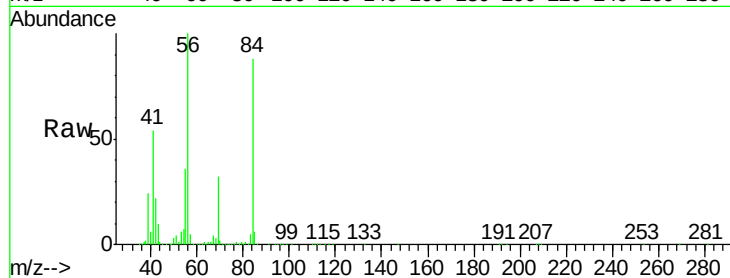
#31
Cyclohexane
Concen: 99.748 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.0	37.6
84	86.6	69.0	103.6

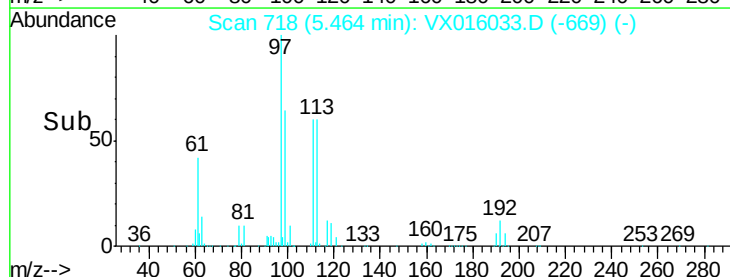
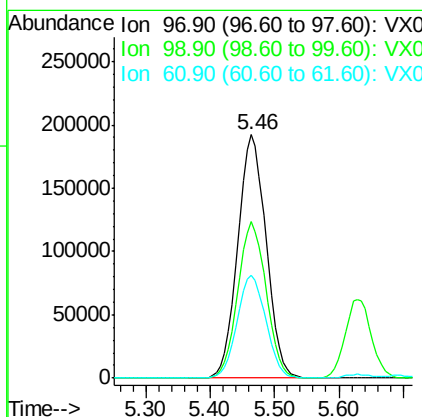
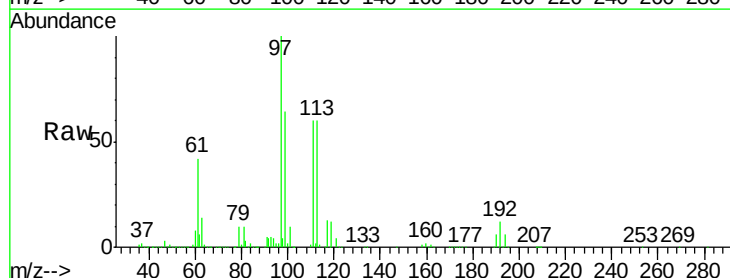
Manual Integrations
APPROVED

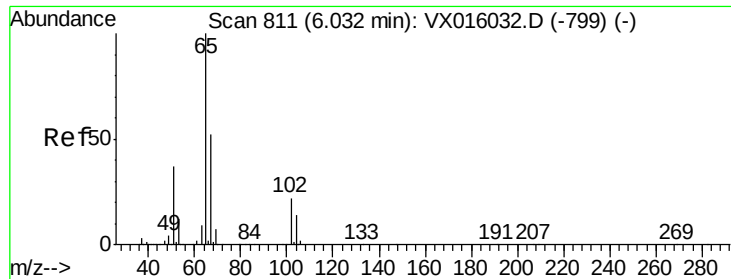
MMDadoda
5/5/2020 11:35:24 AM



#32
1,1,1-Trichloroethane
Concen: 101.564 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	43.1	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 87.511 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 421229

Ion Ratio Lower Upper

65 100

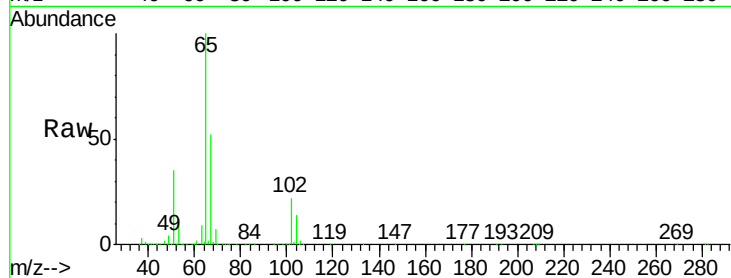
67 52.2 0.0 104.8

Manual Integrations

APPROVED

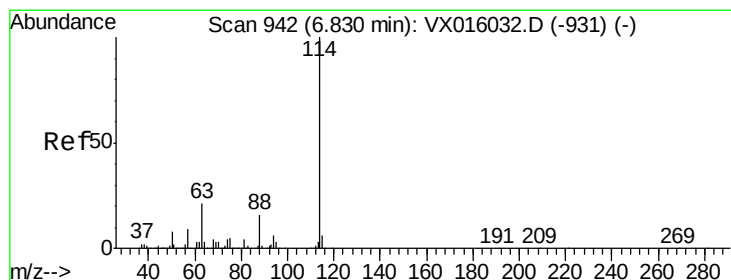
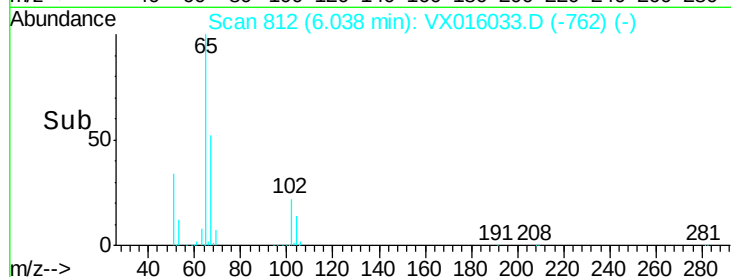
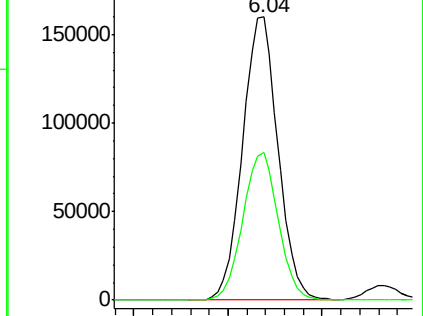
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

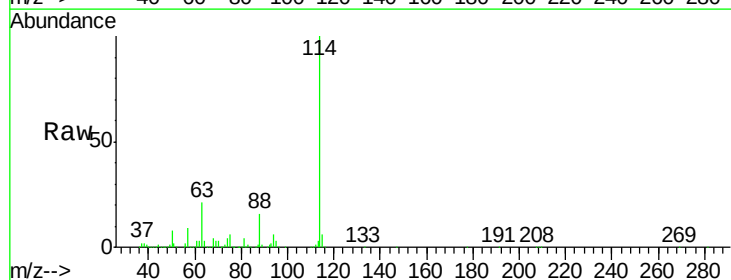
Tgt Ion: 114 Resp: 515241

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.8

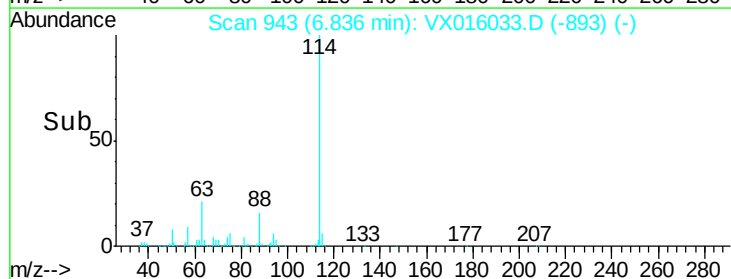
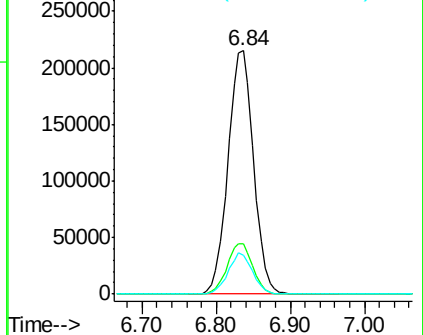
88 16.1 0.0 31.4

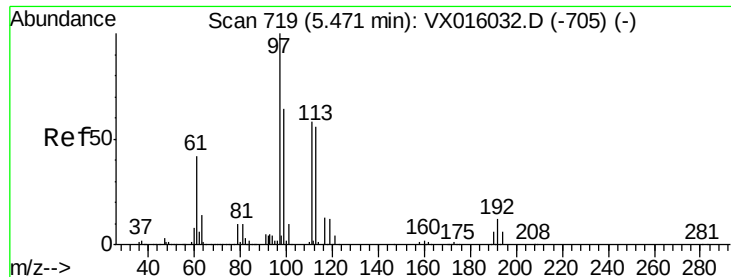


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 90.970 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

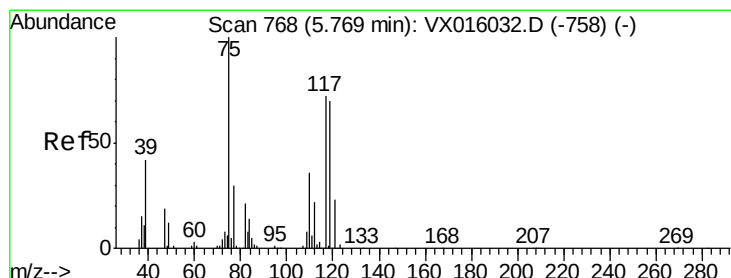
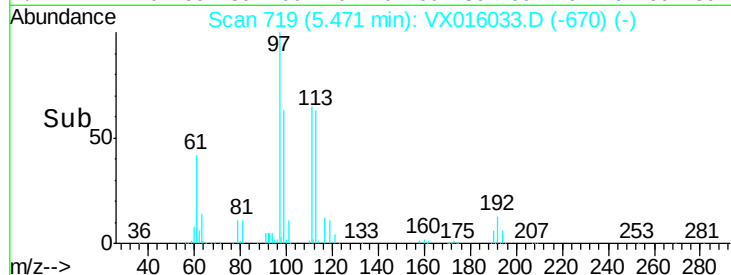
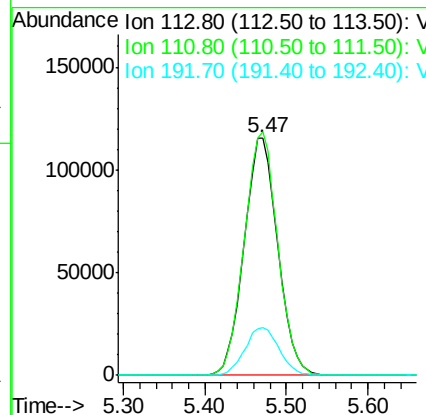
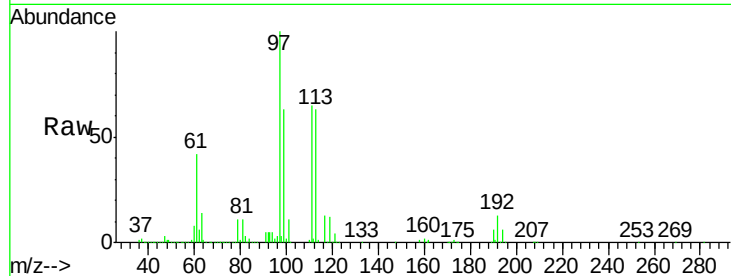
ClientSampled :

VSTDIC100

Tot Ion:	113	Resp:	331346
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.6	122.4
192	20.7	17.0	25.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 96.344 ug/l

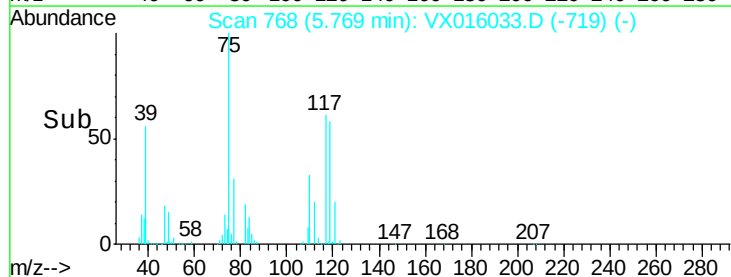
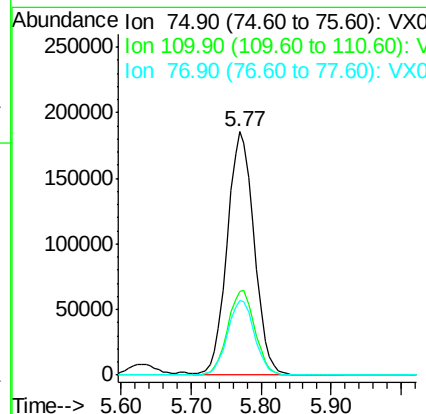
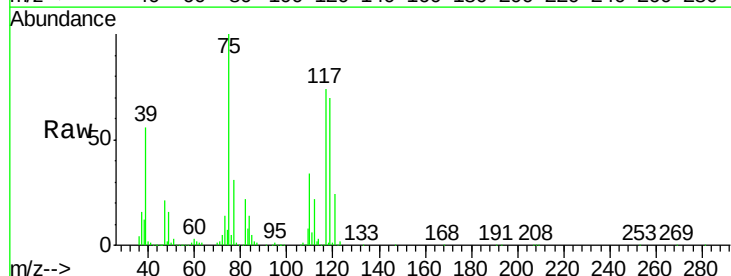
RT: 5.77 min Scan# 768

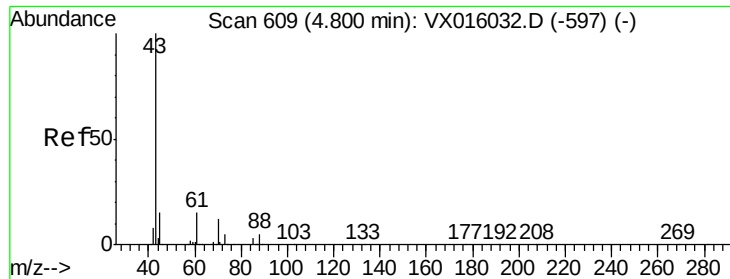
Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Tgt Ion:	75	Resp:	495485
Ion Ratio	Lower	Upper	
75	100		
110	35.3	18.1	54.1
77	31.0	25.0	37.6





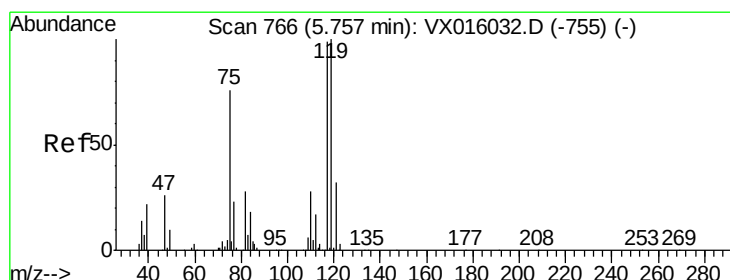
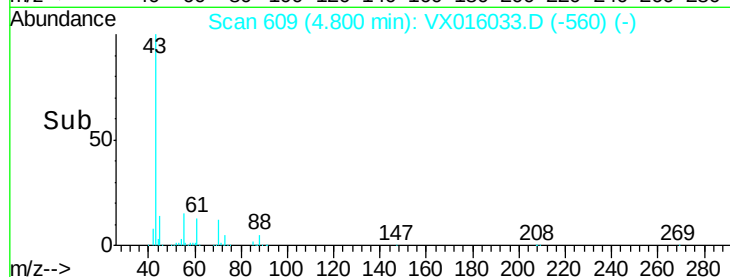
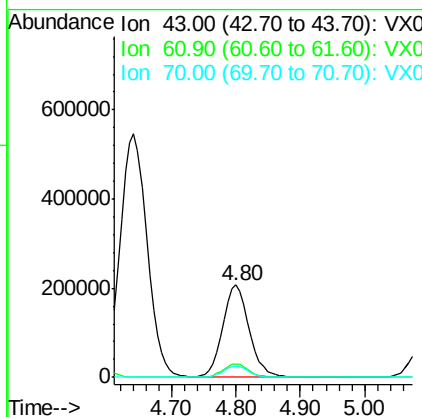
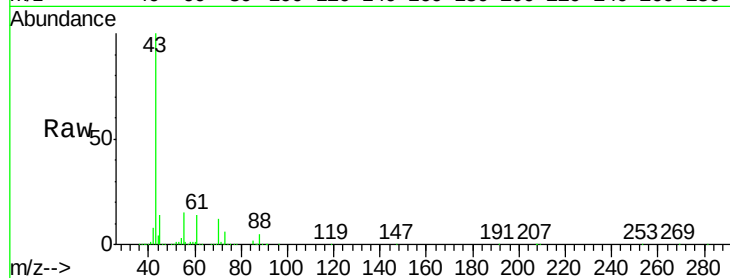
#37
Ethyl Acetate
Concen: 102.294 ug/l
RT: 4.80 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.7	17.5
70	11.7	9.3	13.9

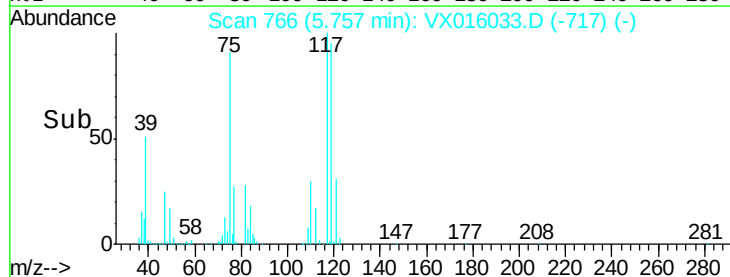
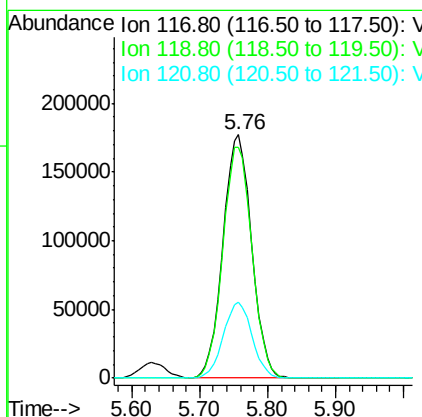
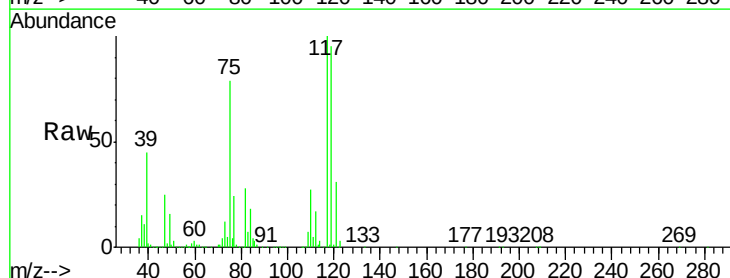
Manual Integrations
APPROVED

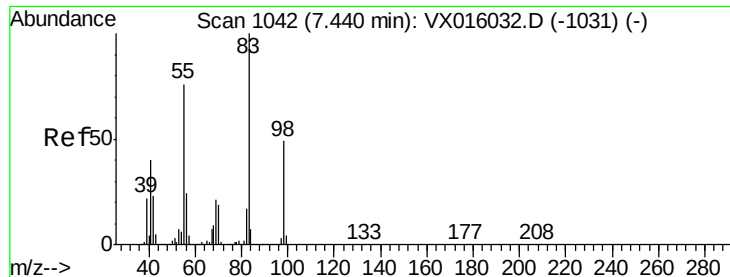
MMDadoda
5/5/2020 11:35:24 AM



#38
Carbon Tetrachloride
Concen: 100.014 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	80.3	120.5
121	31.1	25.7	38.5





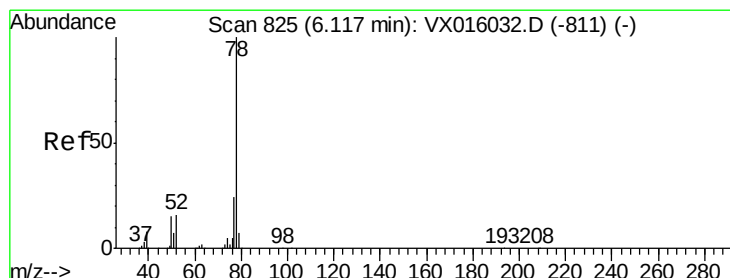
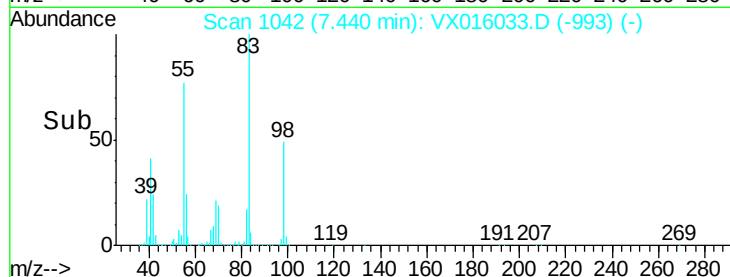
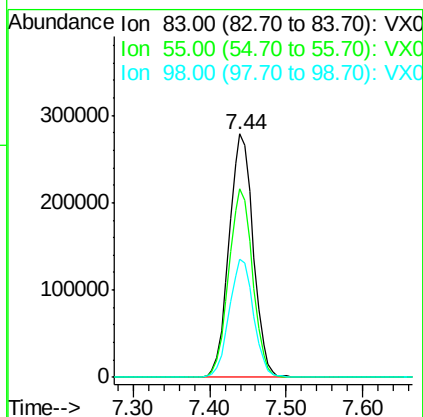
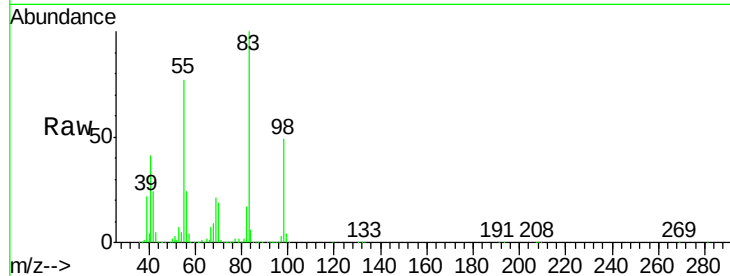
#39
Methylvlcyclohexane
Concen: 99.235 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.1	91.7
98	48.5	39.0	58.4

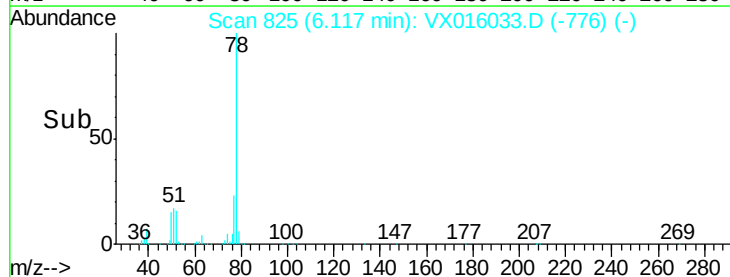
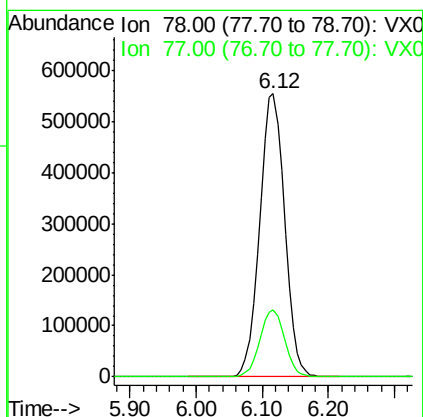
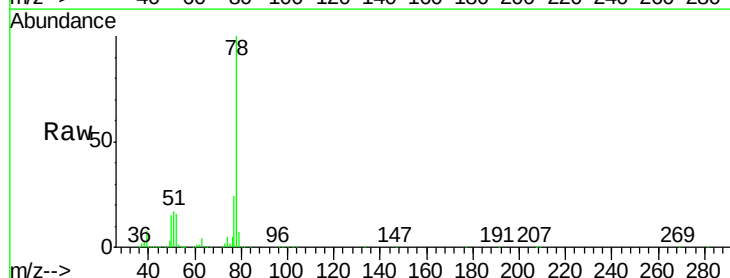
Manual Integrations
APPROVED

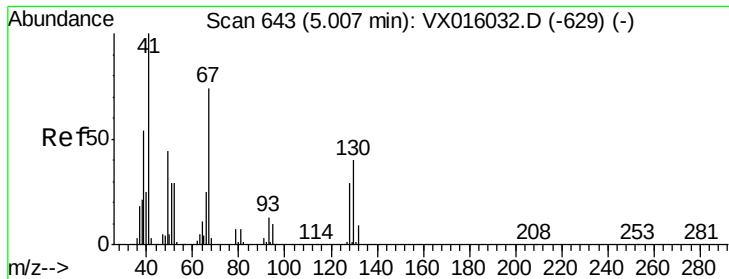
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#40
Benzene
Concen: 96.482 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





#41

Methacrylonitrile

Concen: 103.017 ug/l

RT: 5.01 min Scan# 643

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

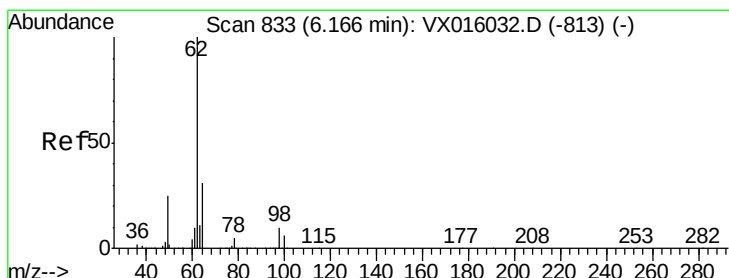
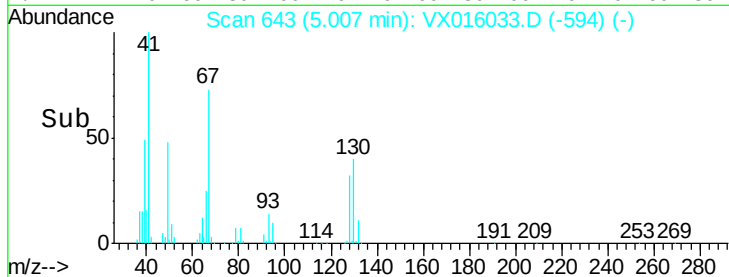
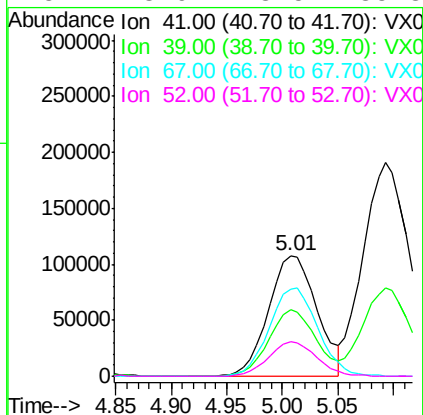
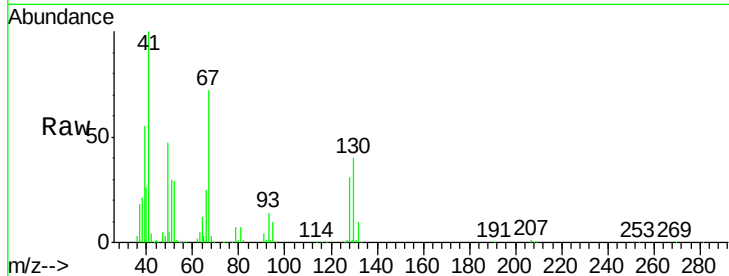
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		325841		
39	53.6	43.2	64.8		
67	73.6	59.3	88.9		
52	28.9	23.5	35.3		

Manual Integrations
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5/5/2020 11:35:24 AM



#42

1,2-Dichloroethane

Concen: 96.293 ug/l

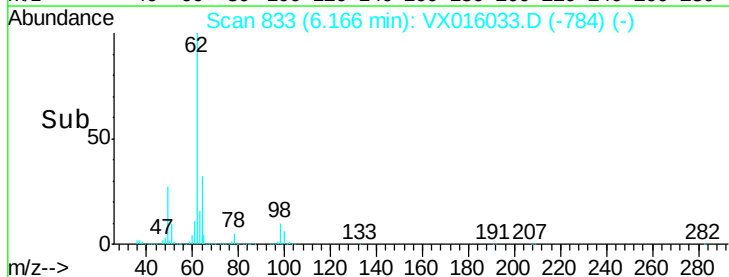
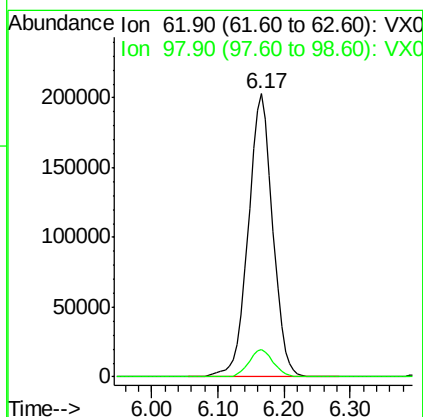
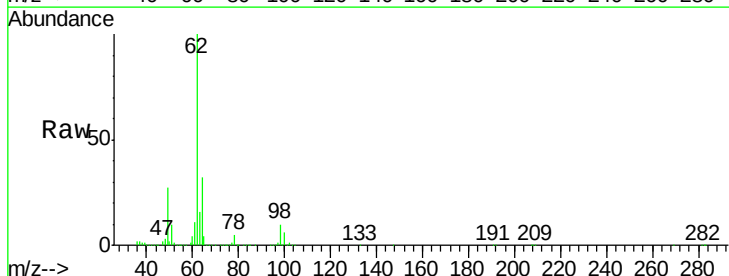
RT: 6.17 min Scan# 833

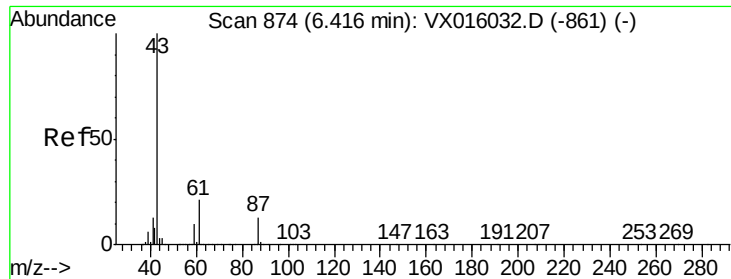
Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		523568		
98	9.5	0.0	19.4		





#43

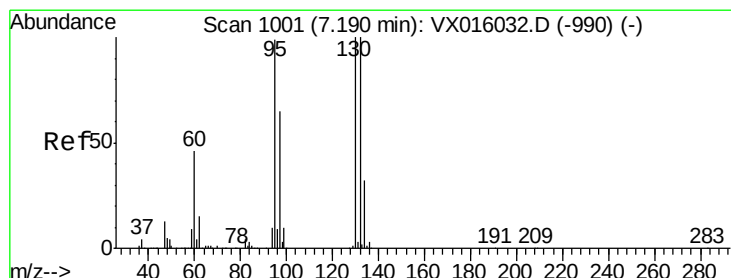
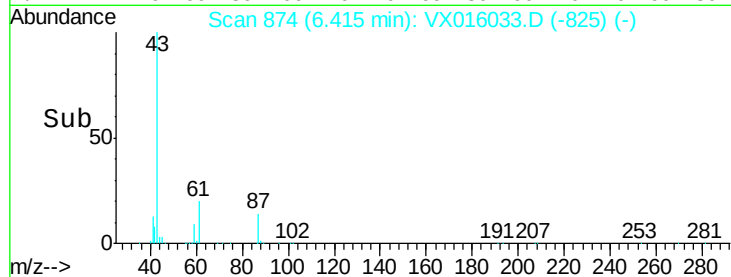
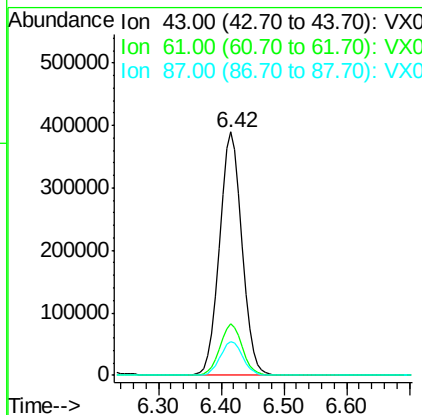
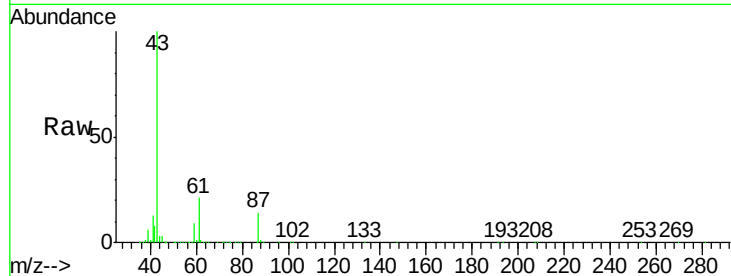
Isopropyl Acetate
 Concen: 102.921 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	13.9	11.0	16.6

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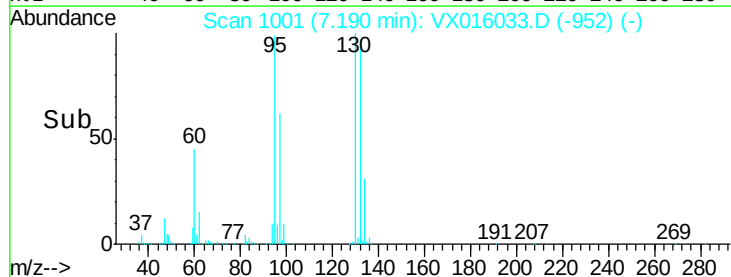
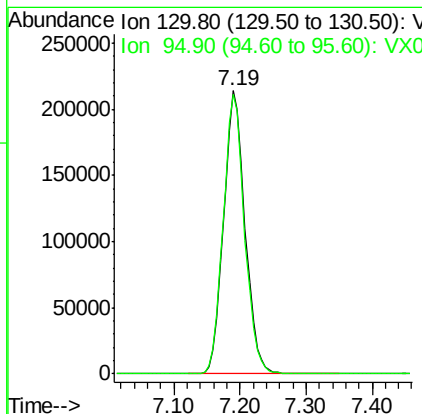
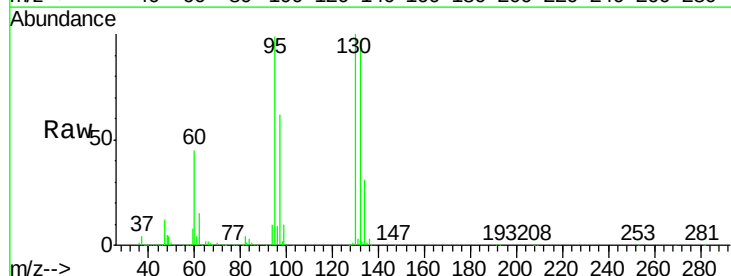
MMDadoda
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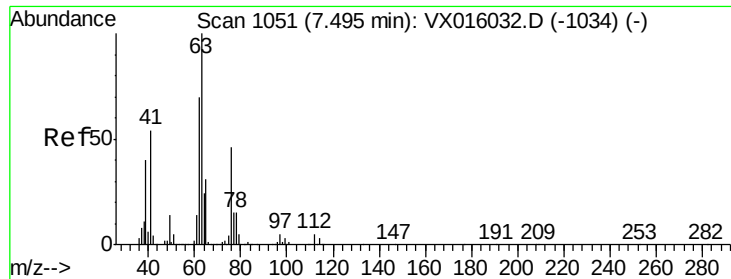


#44

Trichloroethene
 Concen: 86.085 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	197.4





#45

1,2-Dichloropropane

Concen: 98.715 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 373120

Ion Ratio Lower Upper

63 100

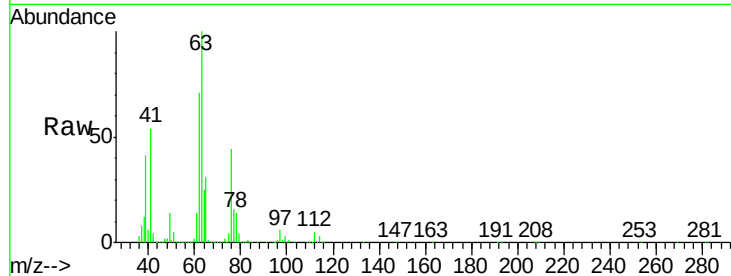
65 31.4 24.4 36.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

200000

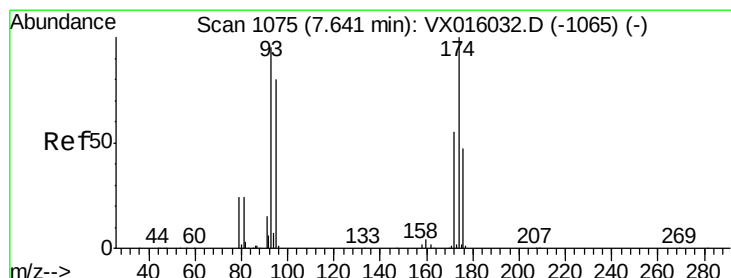
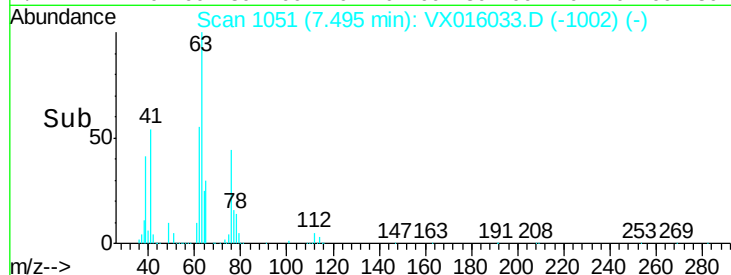
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 98.515 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

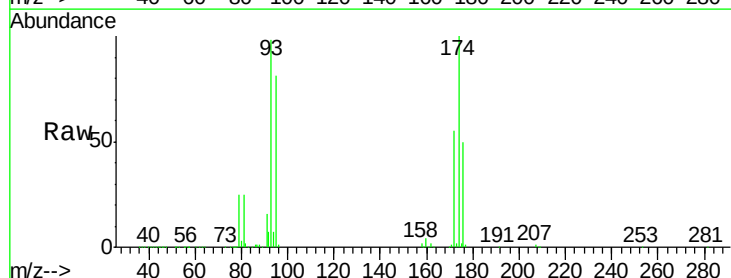
Tgt Ion: 93 Resp: 253204

Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

174 104.9 84.2 126.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

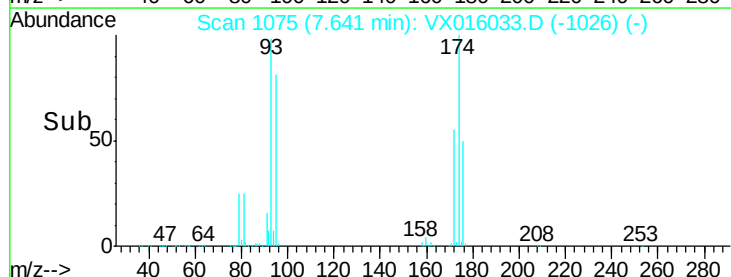
150000

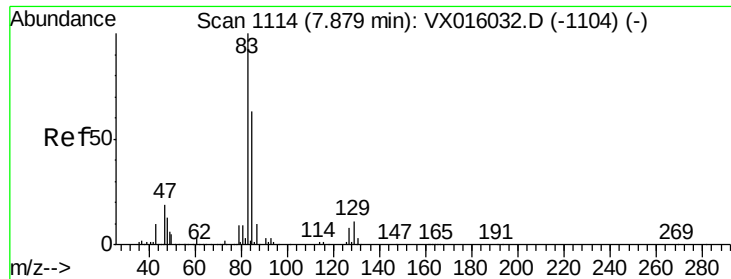
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 102.768 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

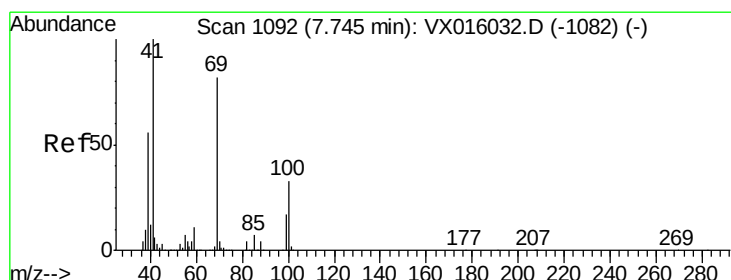
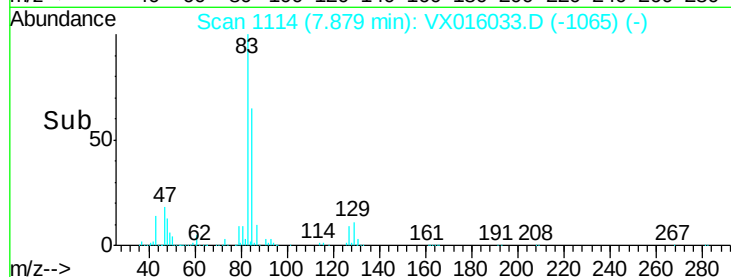
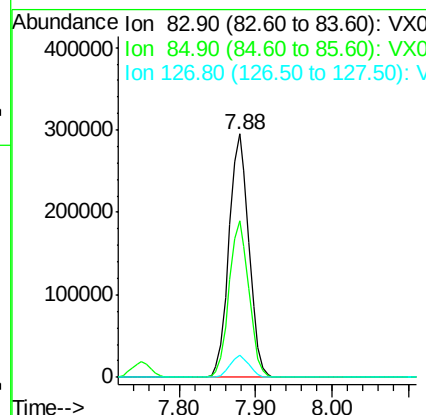
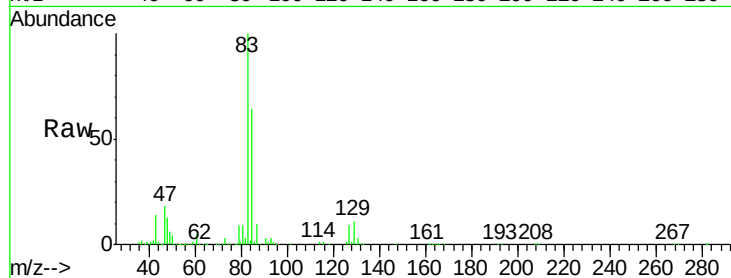
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	530322
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.5	75.7
127	8.9	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 104.670 ug/l

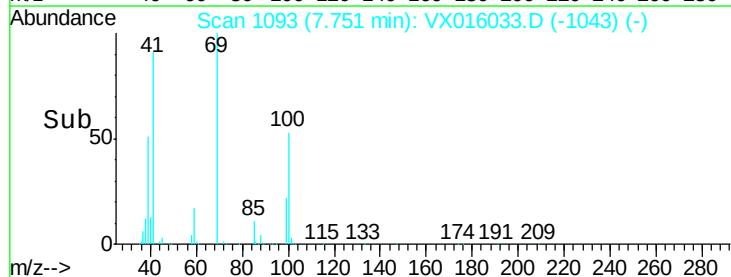
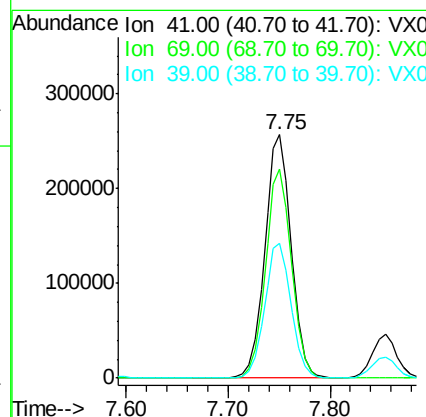
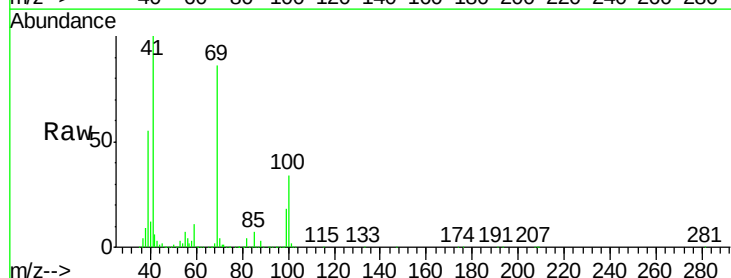
RT: 7.75 min Scan# 1093

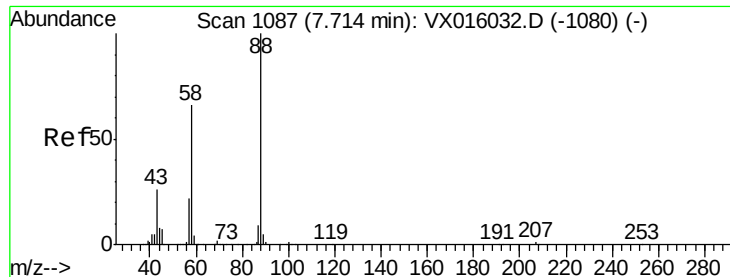
Delta R.T. 0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Tgt Ion:	41	Resp:	459006
Ion Ratio	Lower	Upper	
41	100		
69	84.8	67.8	101.6
39	55.5	44.6	67.0





#49

1,4-Dioxane

Concen: 2035.398 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

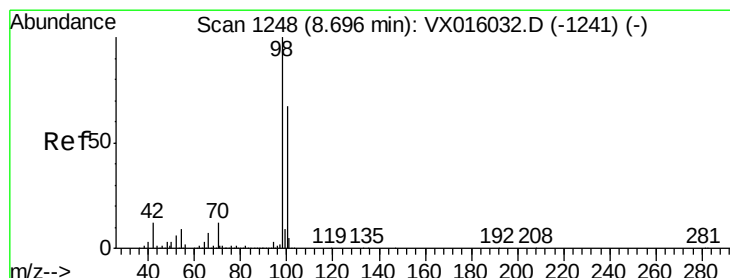
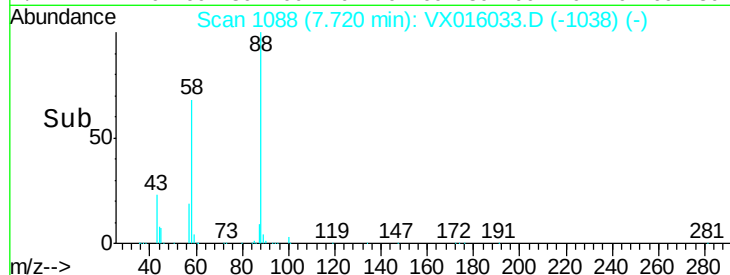
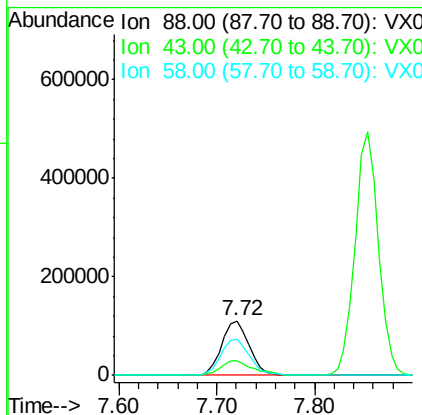
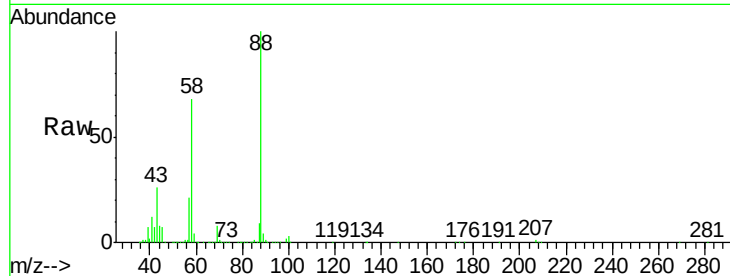
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	215883
Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.3	37.9
58	69.9	55.9	83.9

Manual Integrations
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#50

Toluene-d8

Concen: 95.110 ug/l

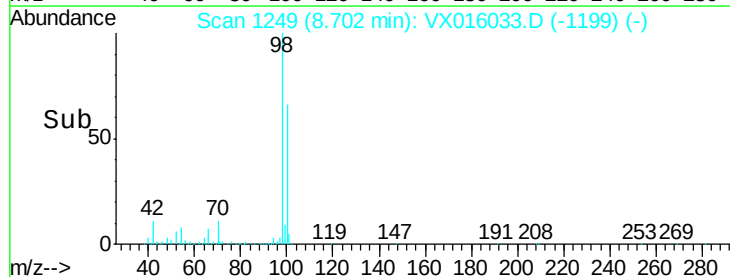
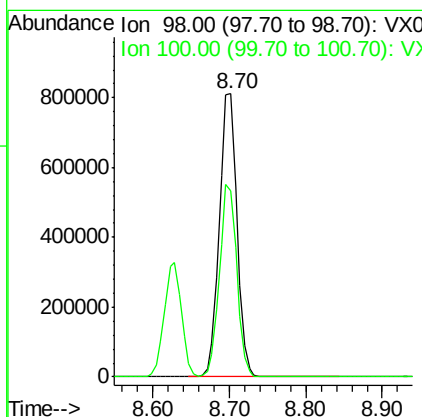
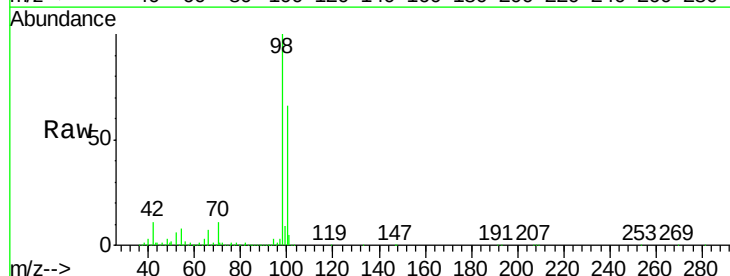
RT: 8.70 min Scan# 1249

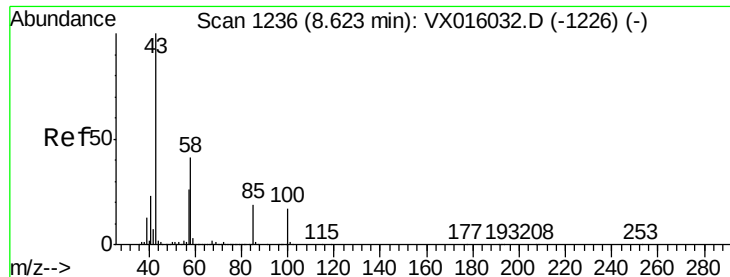
Delta R.T. 0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Tgt Ion:	98	Resp:	1290911
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.7	80.5





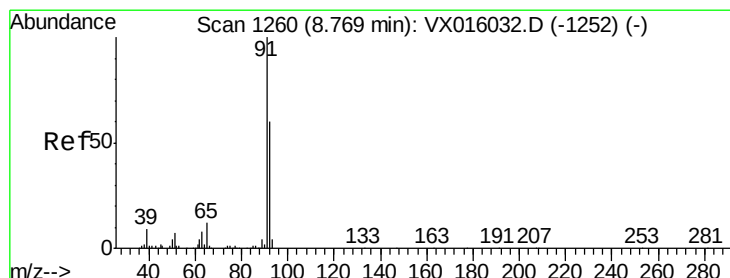
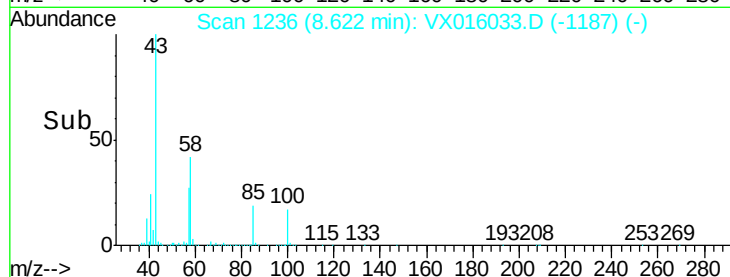
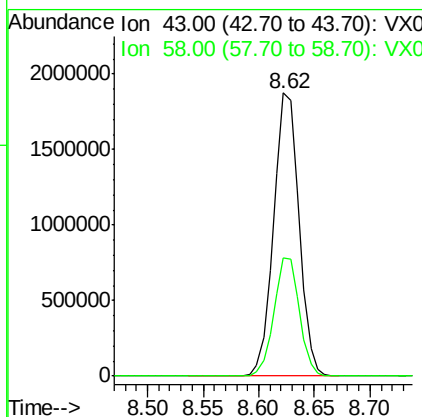
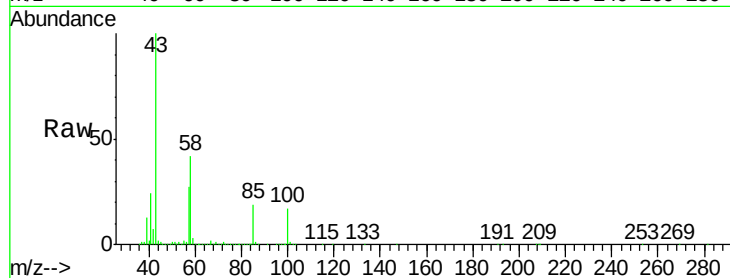
#51
4-Methyl-2-Pentanone
Concen: 522.810 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2966419
Ion Ratio Lower Upper
43 100
58 41.8 33.0 49.4

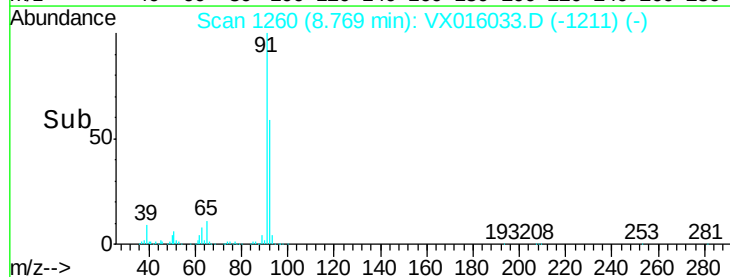
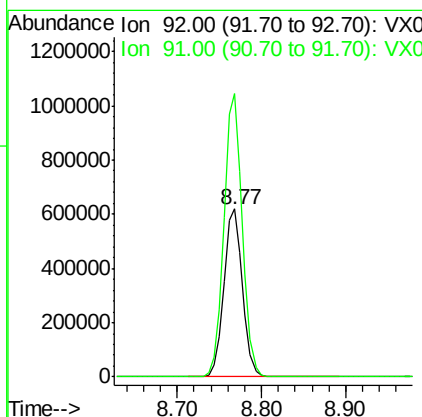
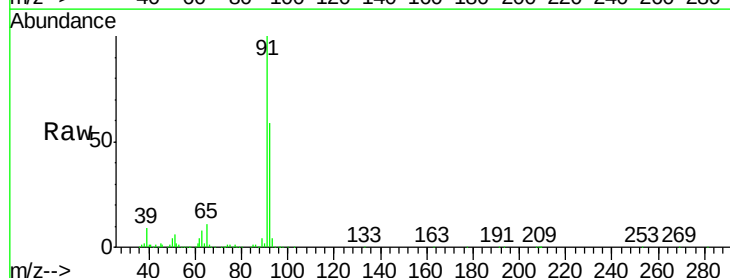
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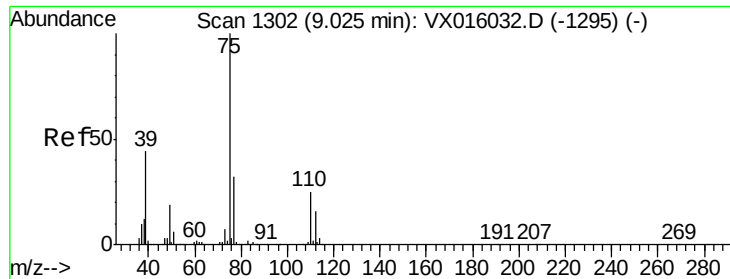
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#52
Toluene
Concen: 100.332 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion: 92 Resp: 930433
Ion Ratio Lower Upper
92 100
91 167.7 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 101.293 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 625432

Ion Ratio Lower Upper

75 100

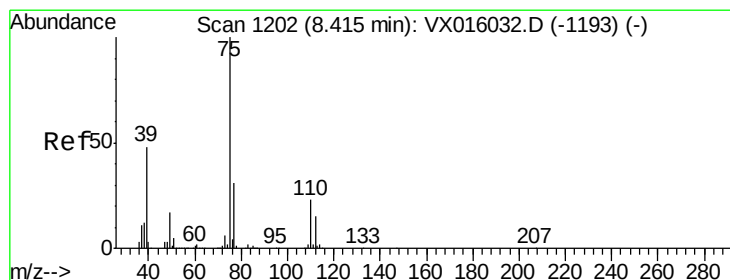
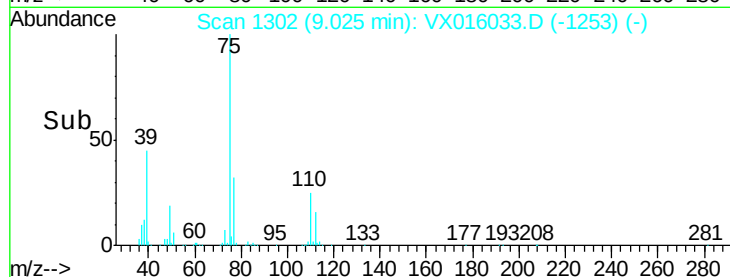
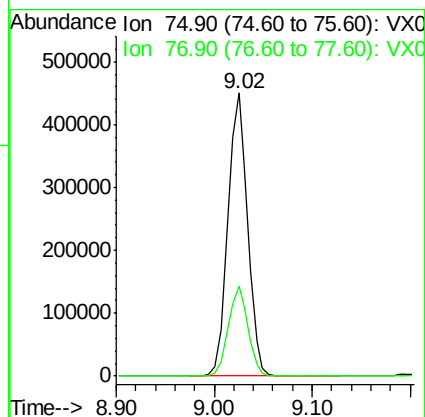
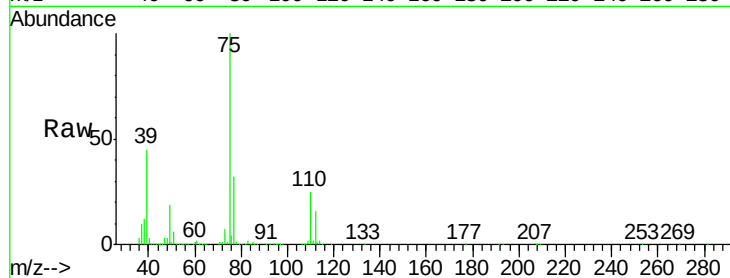
77 32.0 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 99.966 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

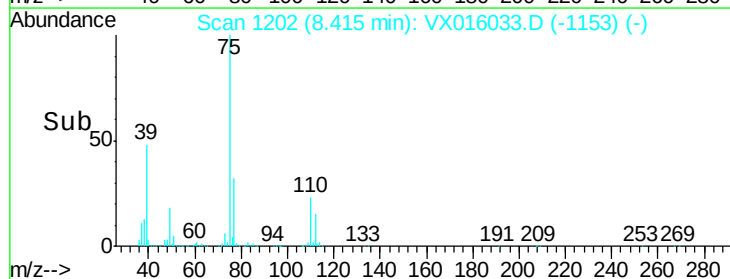
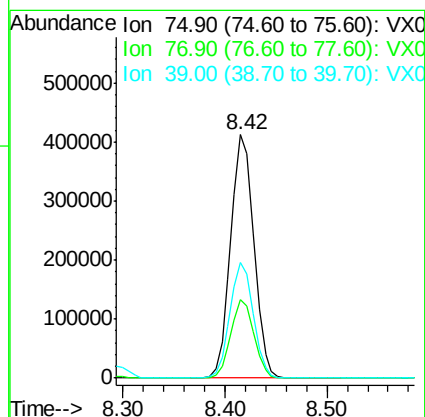
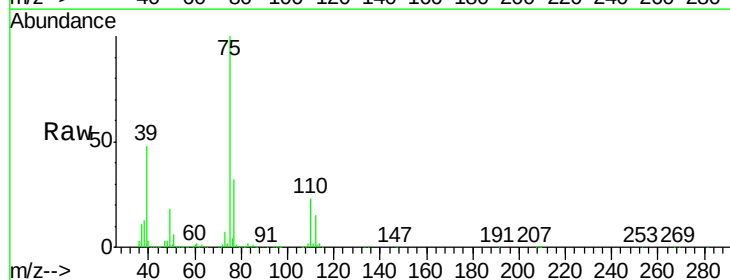
Tgt Ion: 75 Resp: 648512

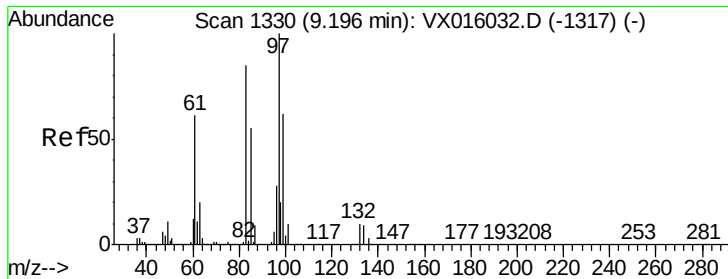
Ion Ratio Lower Upper

75 100

77 32.3 24.7 37.1

39 47.5 38.7 58.1





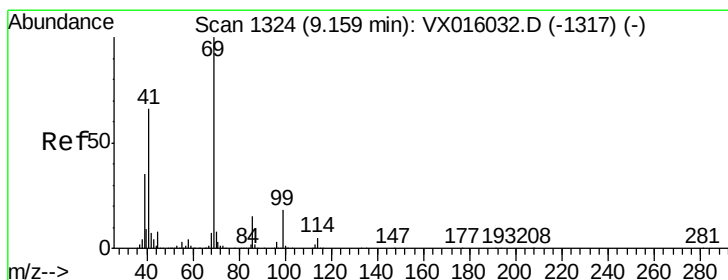
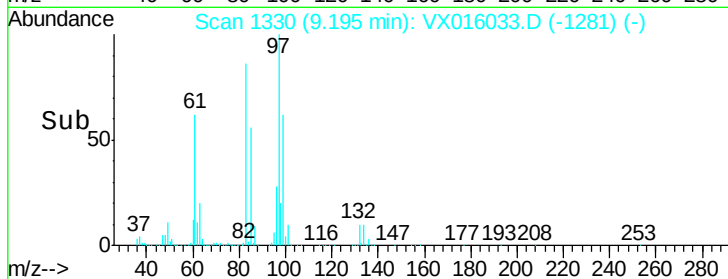
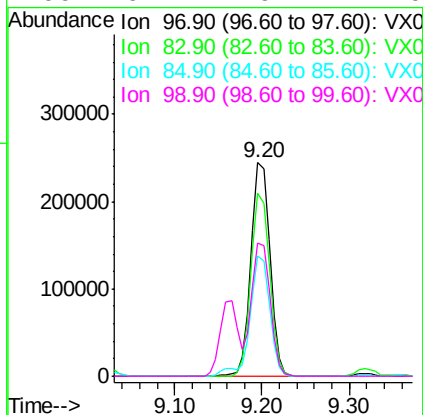
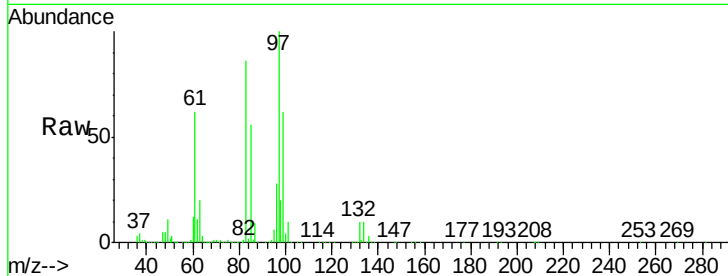
#55
 1,1,2-Trichloroethane
 Concen: 101.786 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	368854
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.8	101.8
85	56.3	43.8	65.8
99	62.2	49.4	74.0

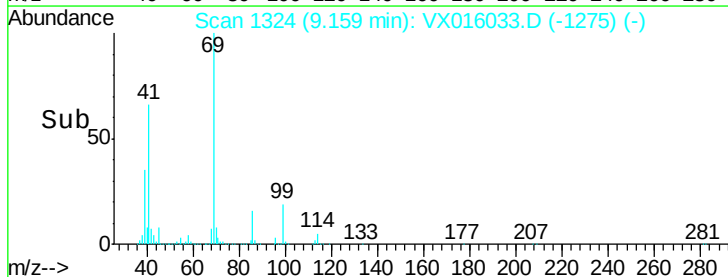
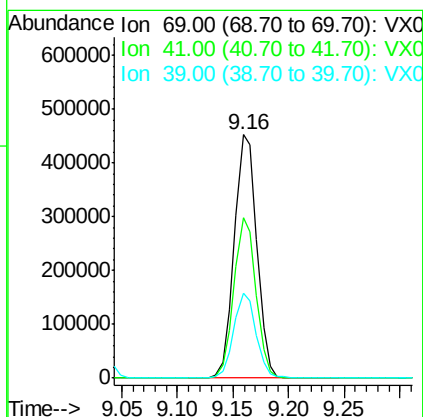
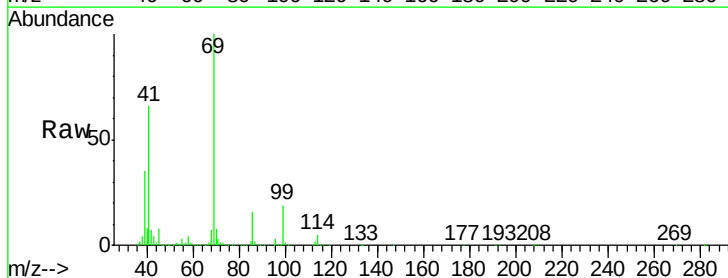
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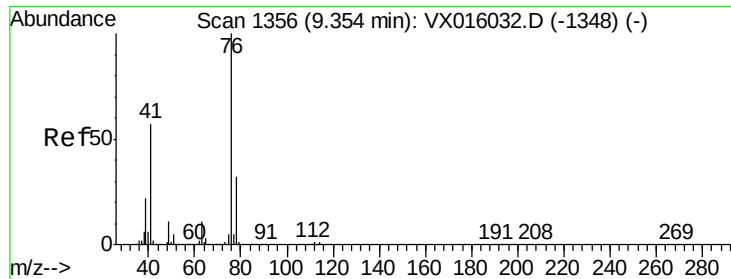
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#56
 Ethyl methacrylate
 Concen: 110.654 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Tgt Ion:	69	Resp:	634412
Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.2	78.4
39	34.6	28.2	42.4





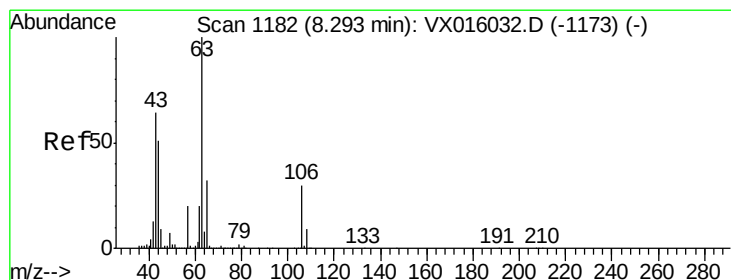
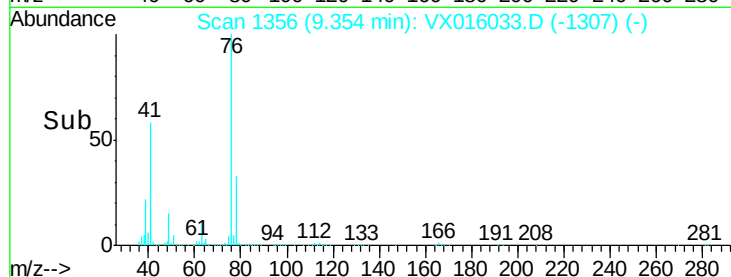
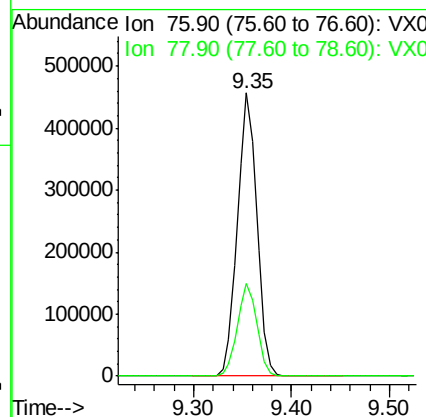
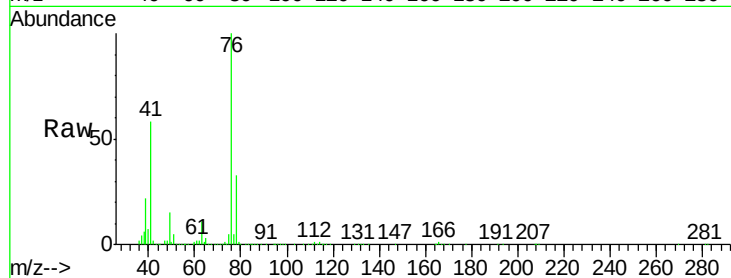
#57
 1,3-Dichloropropane
 Concen: 98.936 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9

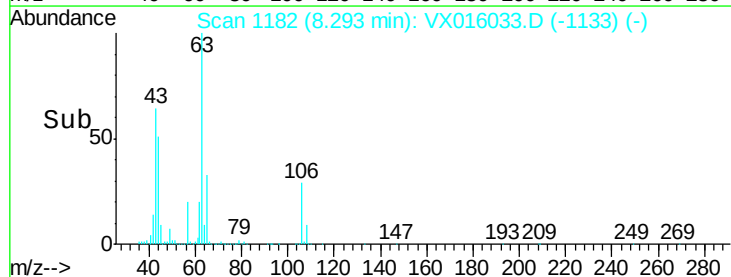
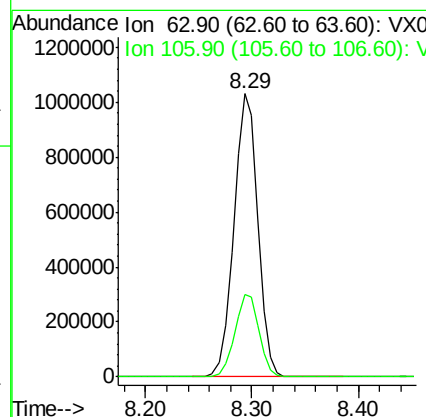
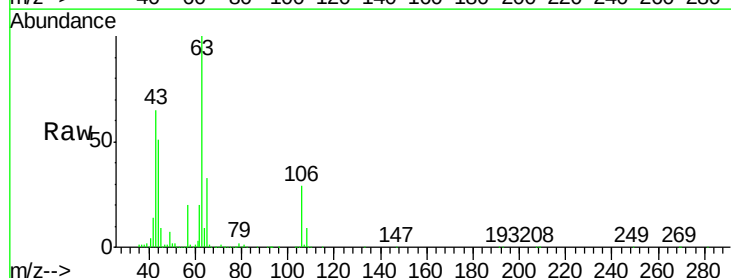
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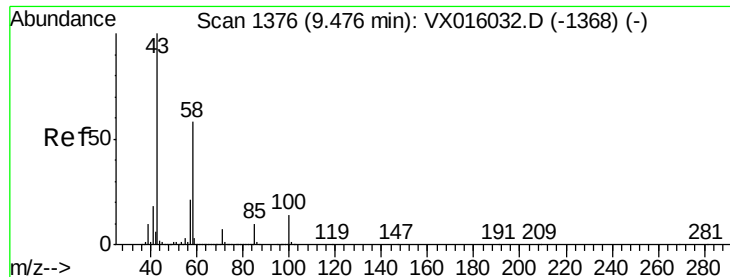
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#58
 2-Chloroethyl Vinyl ether
 Concen: 517.495 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.4	35.2





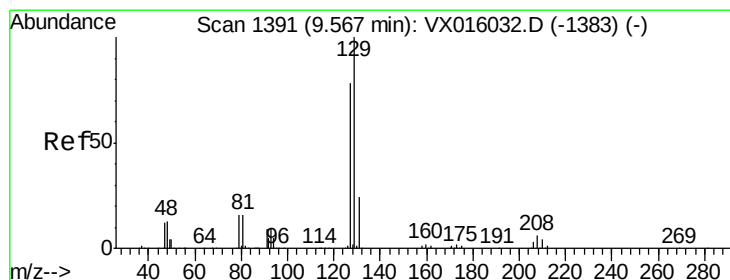
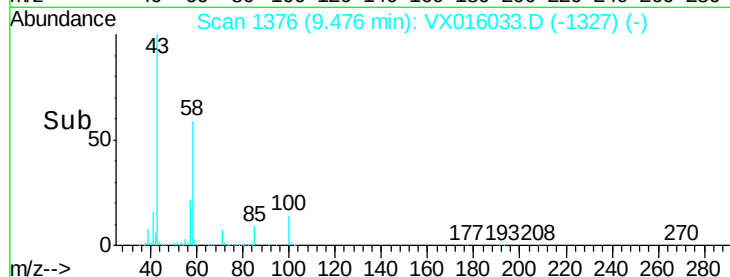
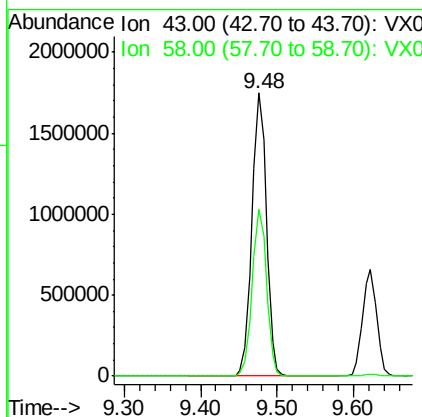
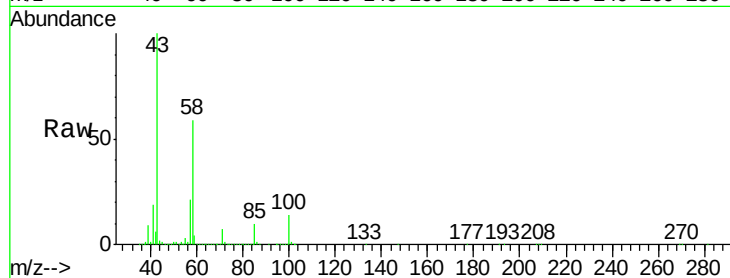
#59
2-Hexanone
Concen: 521.062 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2316928
Ion Ratio Lower Upper
43 100
58 58.3 28.6 85.9

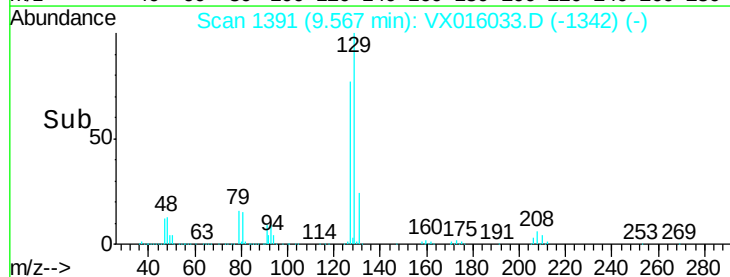
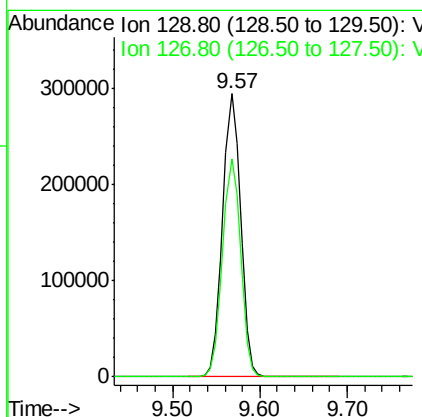
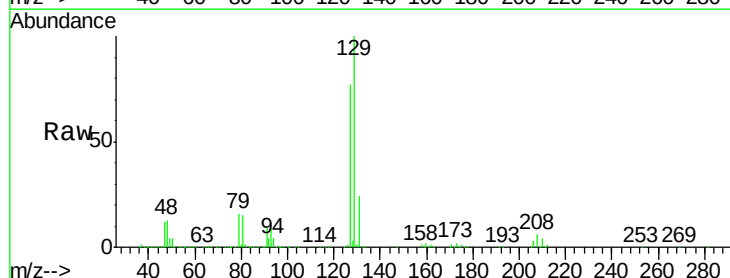
Manual Integrations
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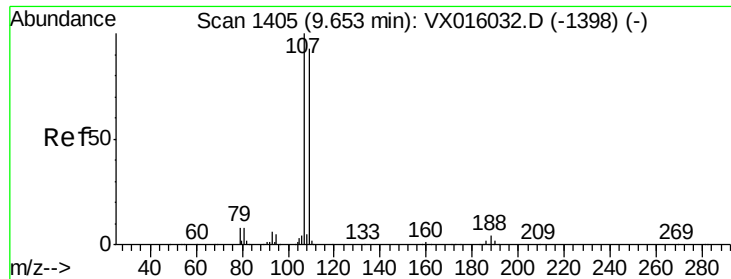
MMDadoda
5/5/2020 11:35:24 AM



#60
Dibromochloromethane
Concen: 107.948 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion: 129 Resp: 421494
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 102.350 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 401064

Ion Ratio Lower Upper

107 100

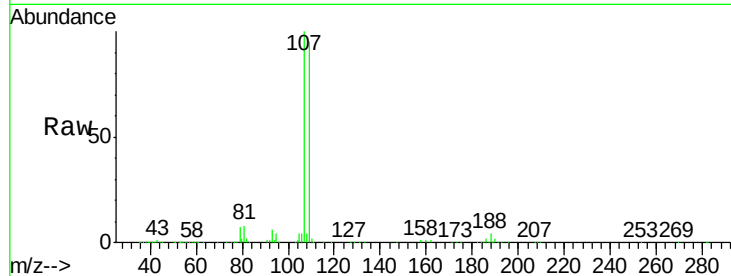
109 93.9 74.9 112.3

Manual Integrations

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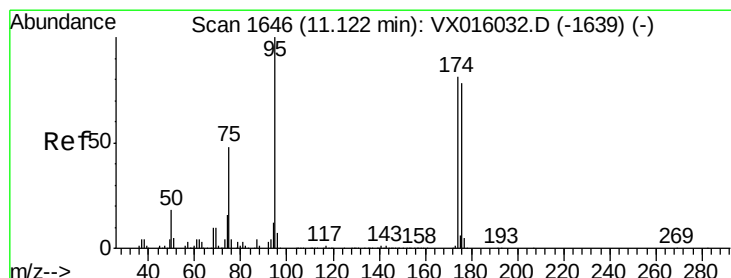
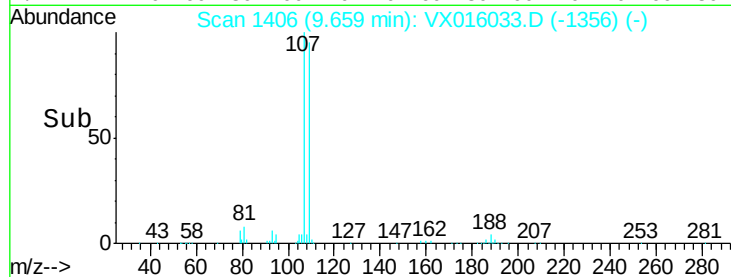
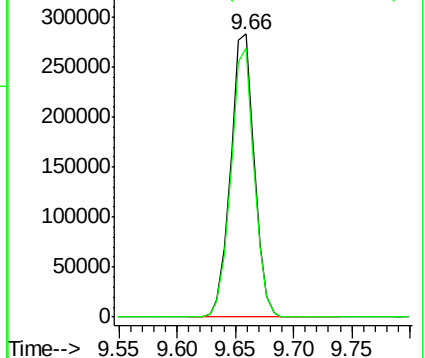
MMDadoda

5/5/2020 11:35:24 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 102.526 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

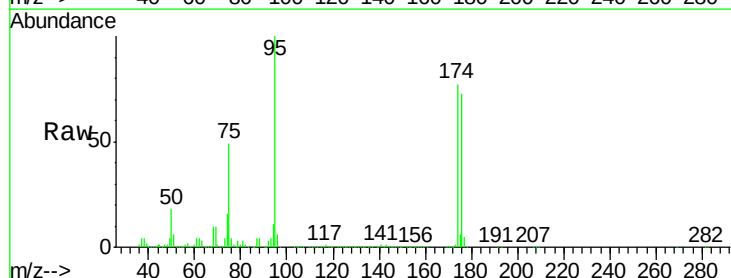
Tgt Ion: 95 Resp: 499481

Ion Ratio Lower Upper

95 100

174 81.4 0.0 159.4

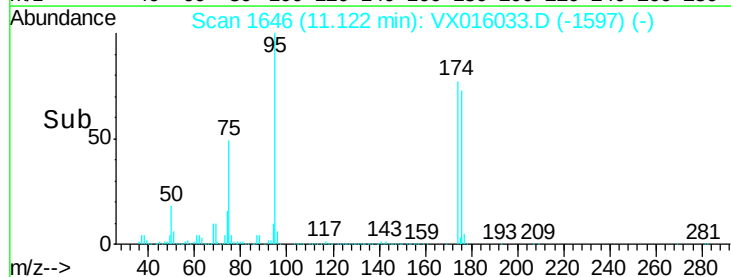
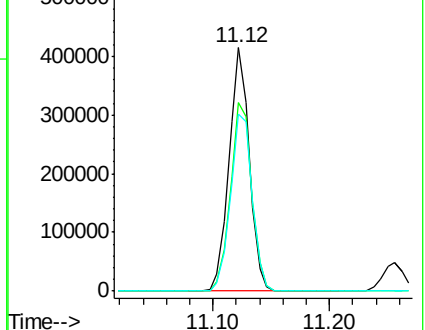
176 78.2 0.0 157.6

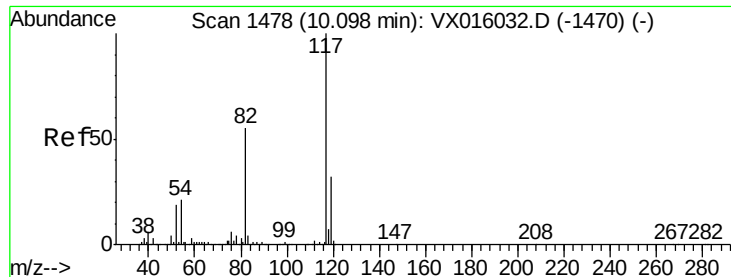


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





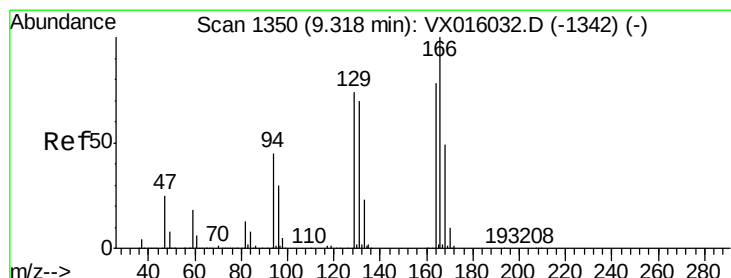
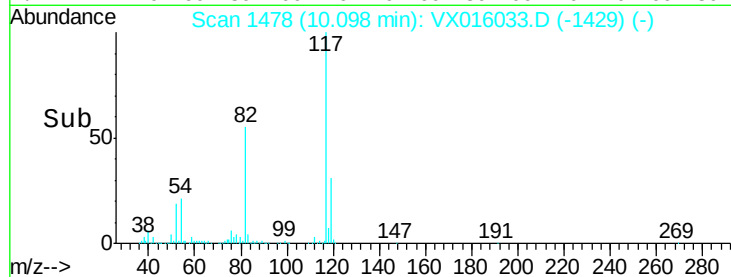
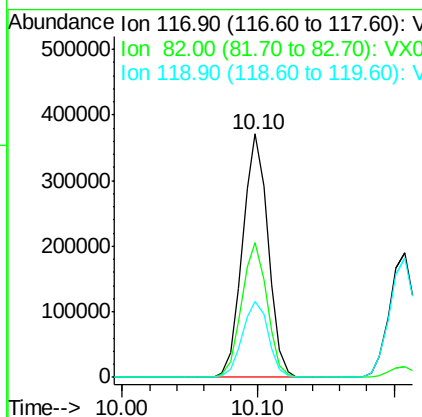
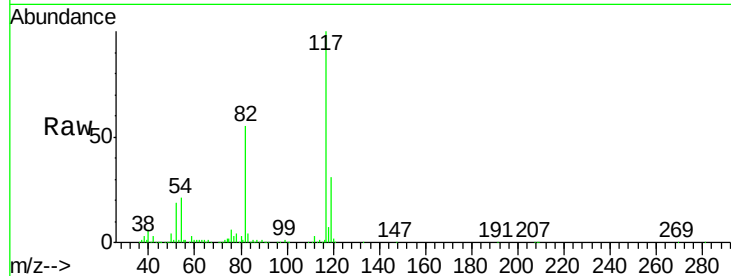
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	486266		
82	55.3	44.4	66.6	
119	31.4	25.5	38.3	

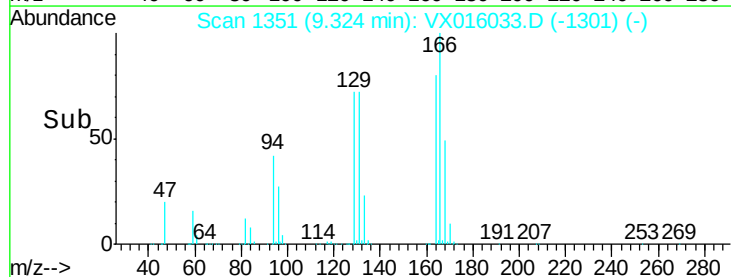
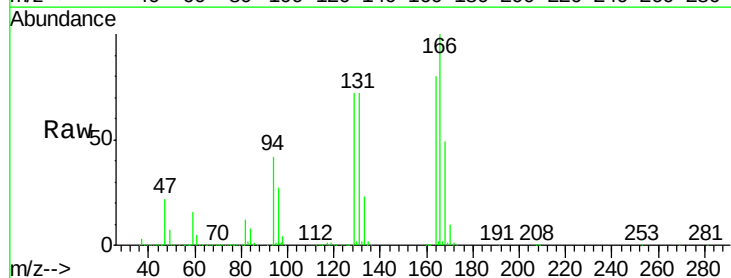
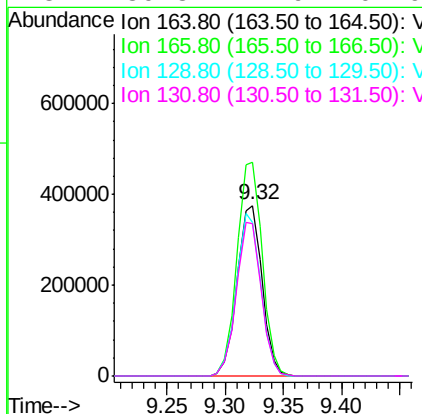
Manual Integrations
APPROVED

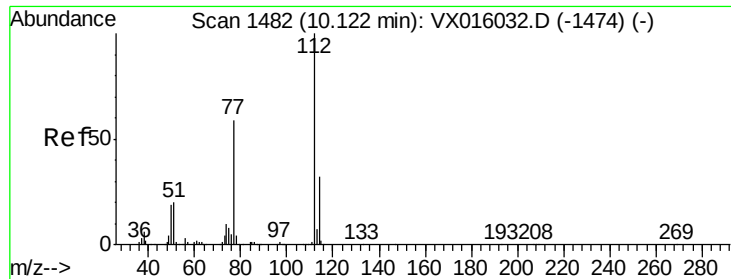
MMDadoda
5/5/2020 11:35:24 AM



#64
Tetrachloroethene
Concen: 90.861 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	561083		
166	125.5	102.9	154.3	
129	90.3	76.1	114.1	
131	89.8	71.9	107.9	





#65

Chlorobenzene

Concen: 95.842 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 988191

Ion Ratio Lower Upper

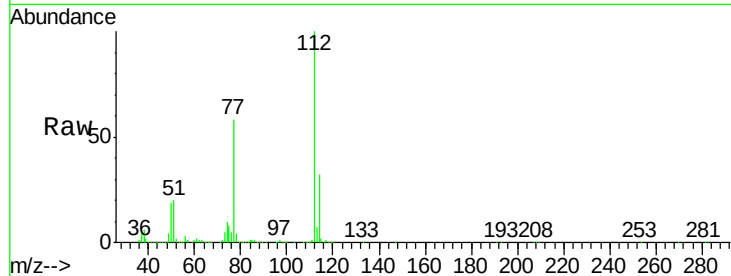
112 100

114 31.8 25.7 38.5

Manual Integrations
APPROVED

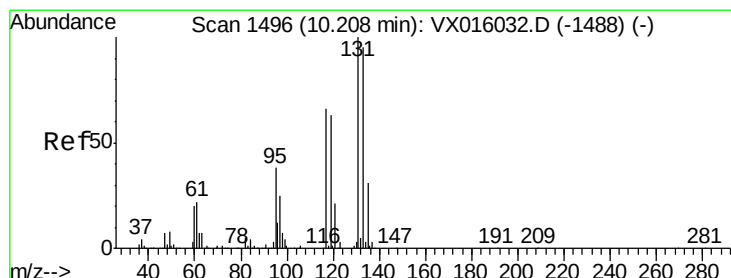
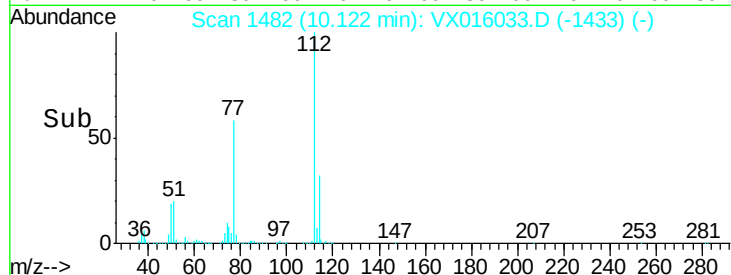
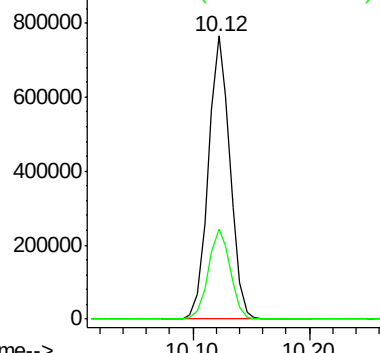
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 101.386 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

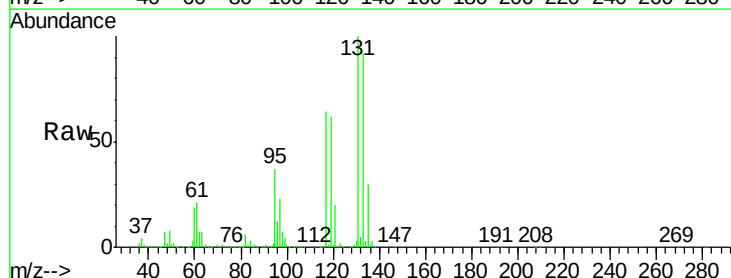
Tgt Ion:131 Resp: 380324

Ion Ratio Lower Upper

131 100

133 95.7 48.3 144.8

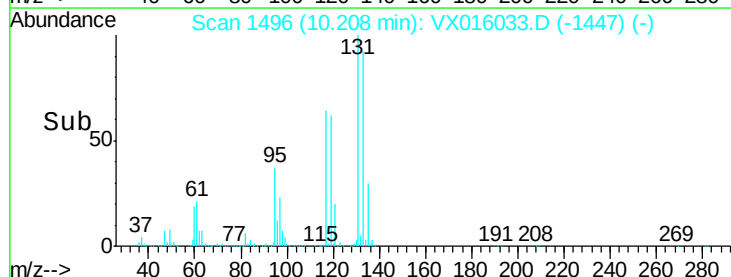
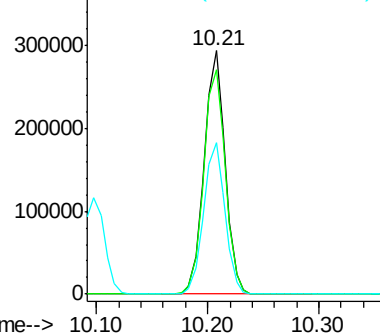
119 63.4 32.3 96.9

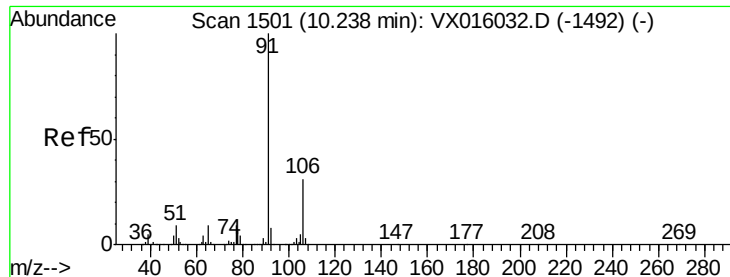


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 97.394 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1786384

Ion Ratio Lower Upper

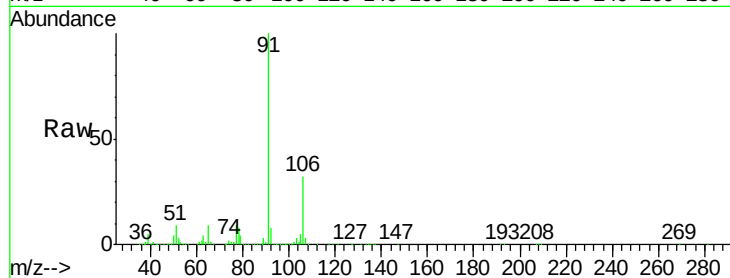
91 100

106 31.6 25.1 37.7

Manual Integrations
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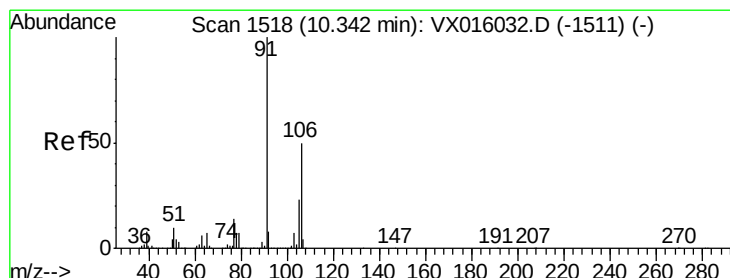
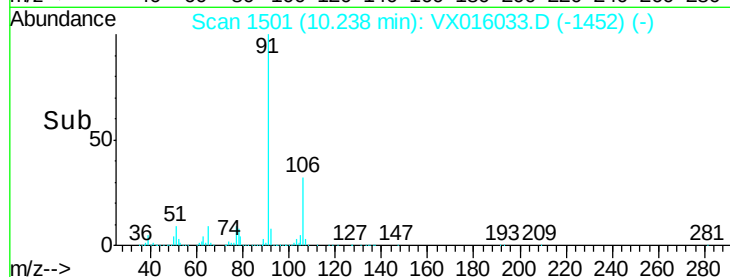
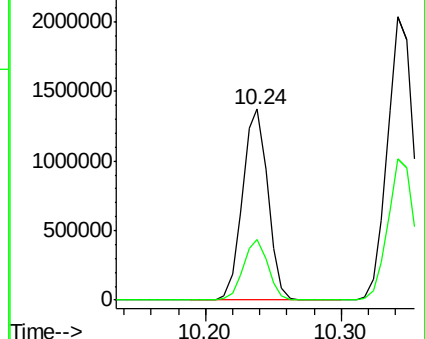
MMDadoda

5/5/2020 11:35:24 AM



Abundance Ion 91.00 (90.70 to 91.70): VX016033.D (-1492) (-)

Ion 106.00 (105.70 to 106.70): VX016033.D (-1492) (-)



#68

m/p-Xylenes

Concen: 199.481 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016033.D

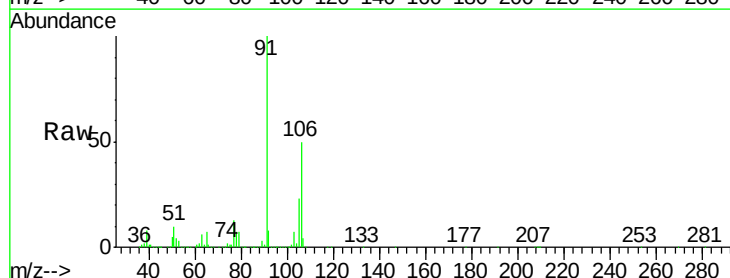
Acq: 04 May 2020 13:10

Tgt Ion: 106 Resp: 1358889

Ion Ratio Lower Upper

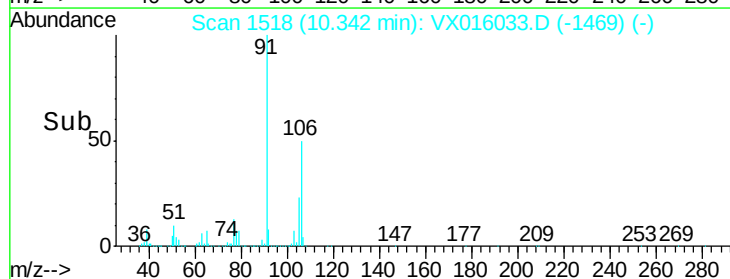
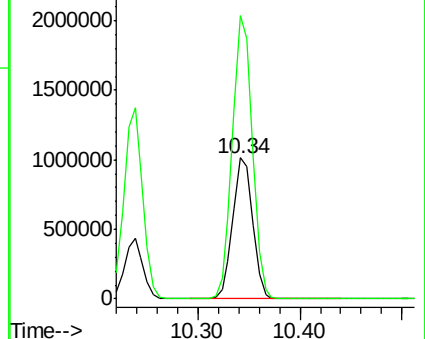
106 100

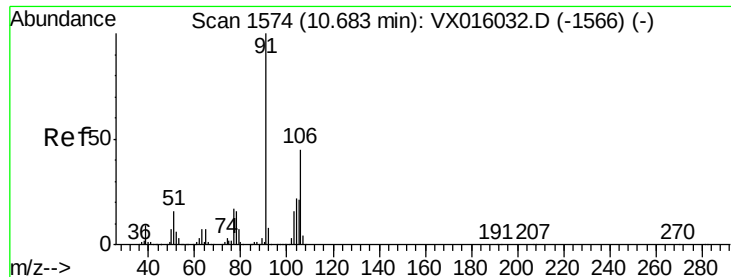
91 200.9 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VX016033.D (-1511) (-)

Ion 91.00 (90.70 to 91.70): VX016033.D (-1511) (-)





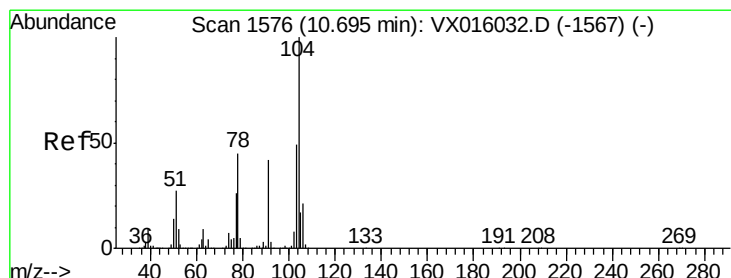
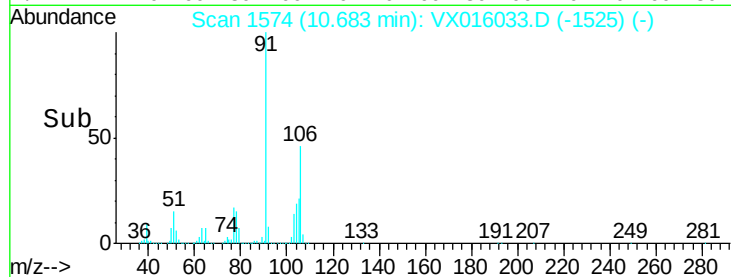
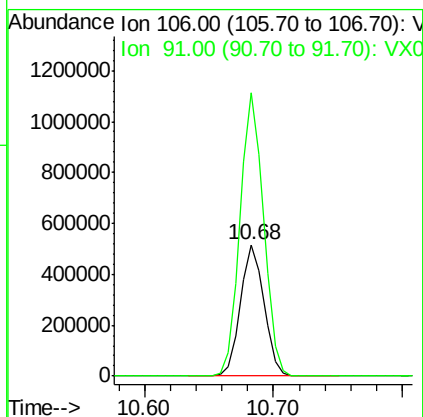
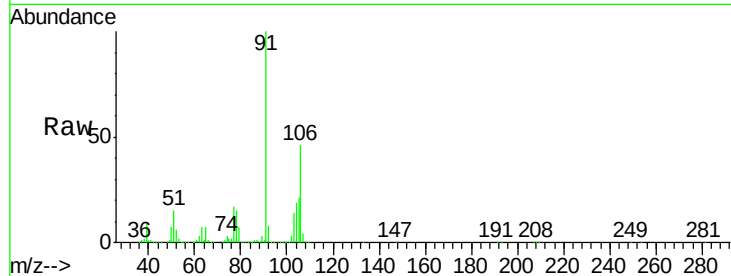
#69
o-Xylene
Concen: 100.220 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.8	107.5	322.6	

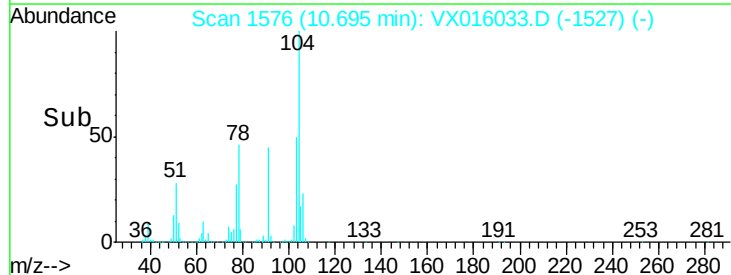
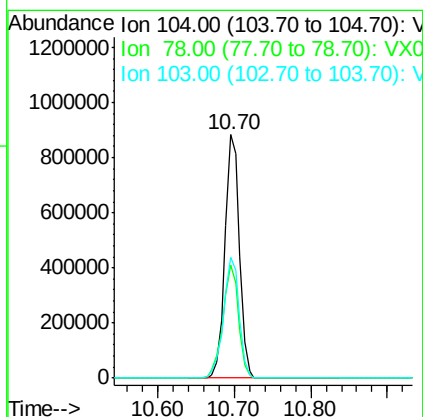
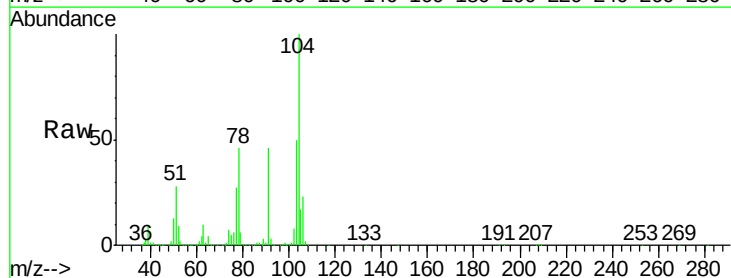
Manual Integrations
APPROVED

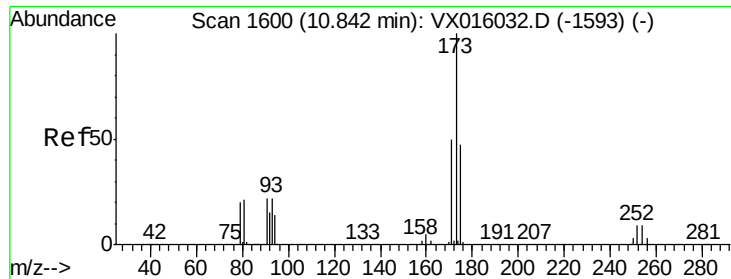
MMDadoda
5/5/2020 11:35:24 AM



#70
Styrene
Concen: 106.085 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.2	40.2	60.2	
103	53.5	43.0	64.6	





#71

Bromoform

Concen: 111.231 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

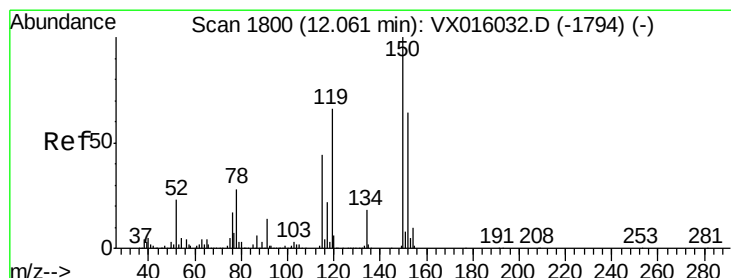
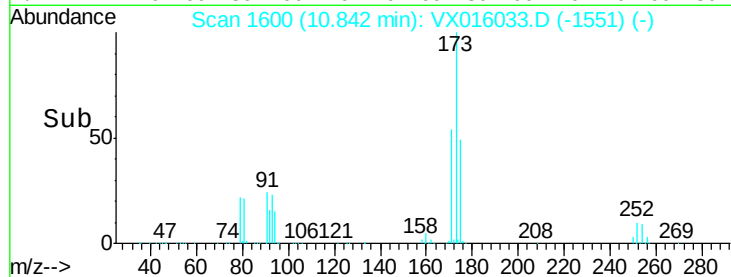
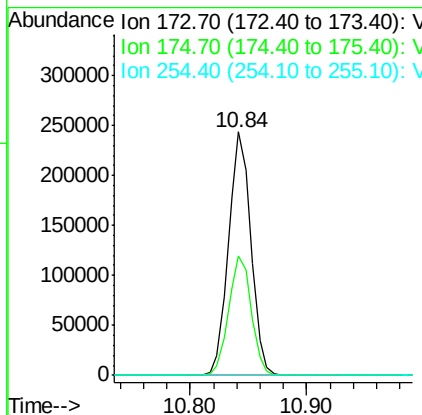
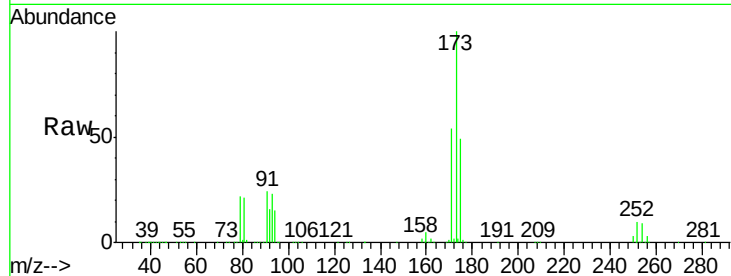
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.0	72.0
254	0.2	0.1	0.1#

Manual Integrations
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5/5/2020 11:35:24 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

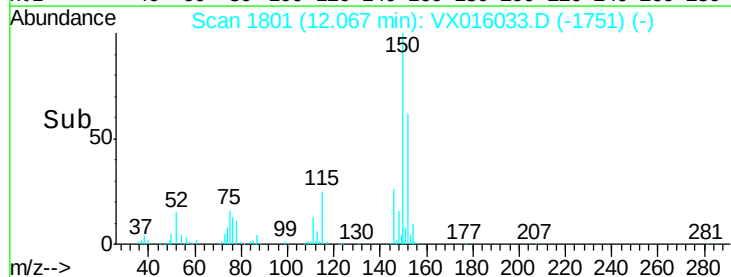
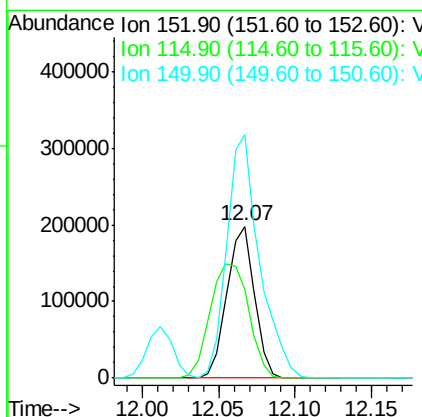
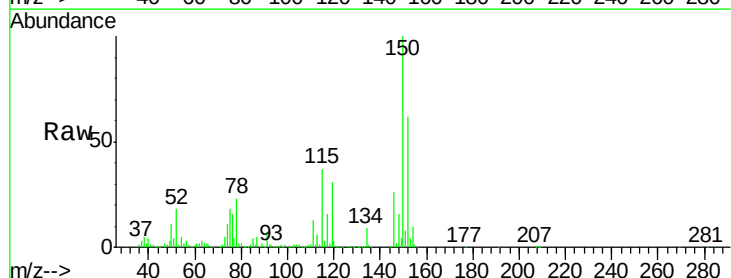
RT: 12.07 min Scan# 1801

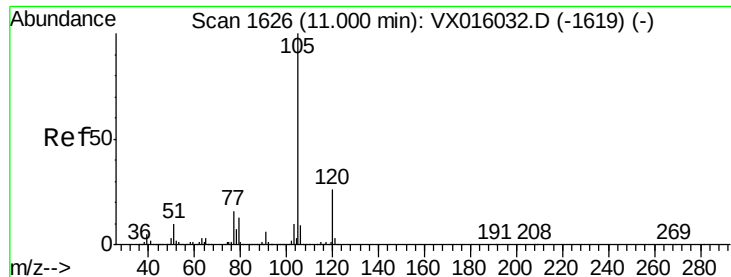
Delta R.T. 0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	106.6	41.3	124.1
150	190.3	0.0	352.2





#73

Isopropylbenzene

Concen: 96.105 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1758561

Ion Ratio Lower Upper

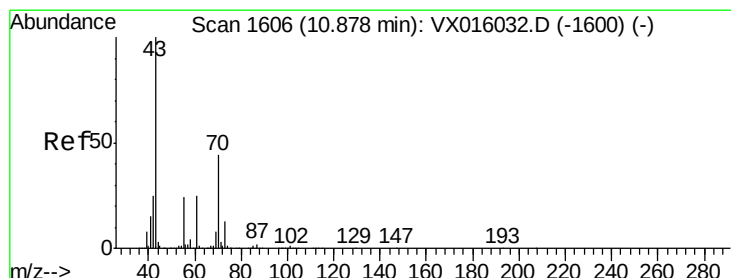
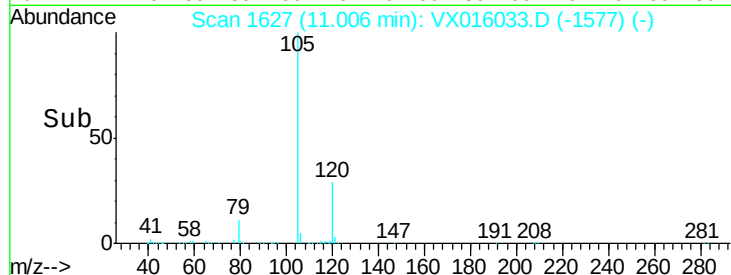
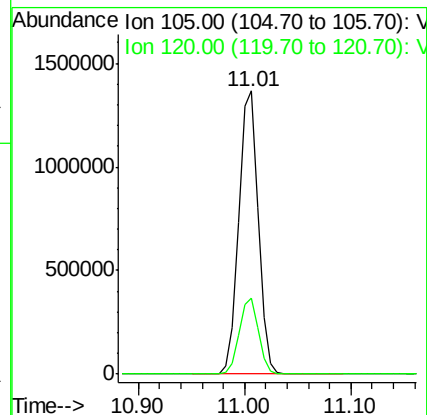
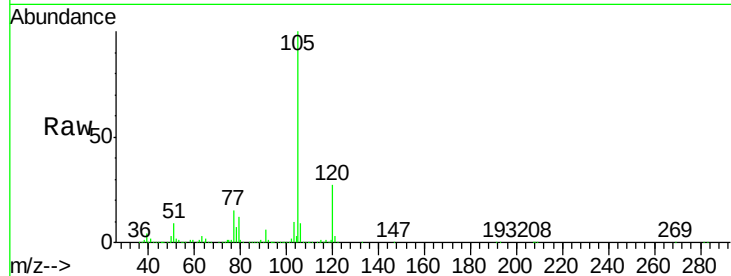
105 100

120 26.5 13.4 40.2

Manual Integrations
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#74

N-ethyl acetate

Concen: 100.369 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Tgt Ion: 43 Resp: 839971

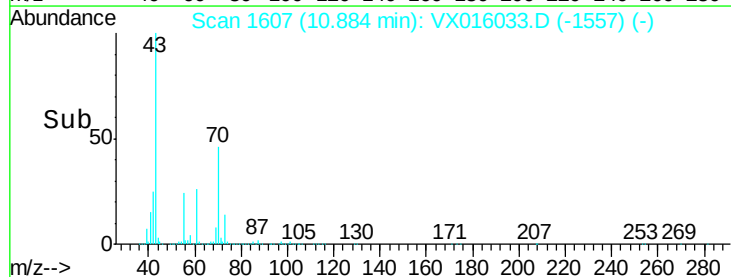
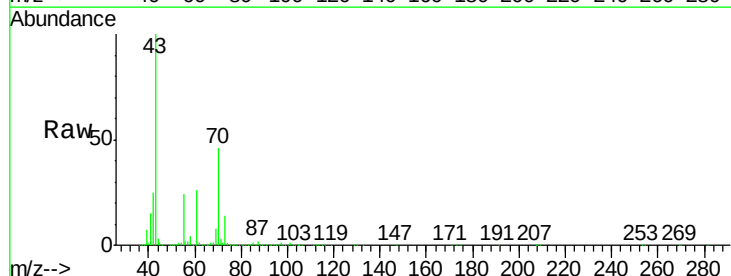
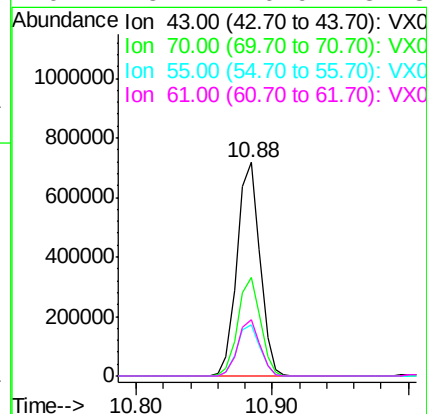
Ion Ratio Lower Upper

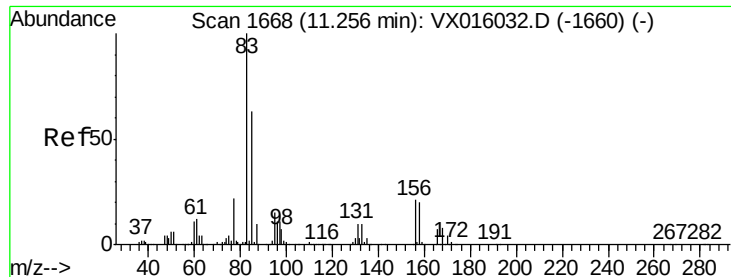
43 100

70 45.3 36.5 54.7

55 24.3 19.7 29.5

61 25.7 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 149.585 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

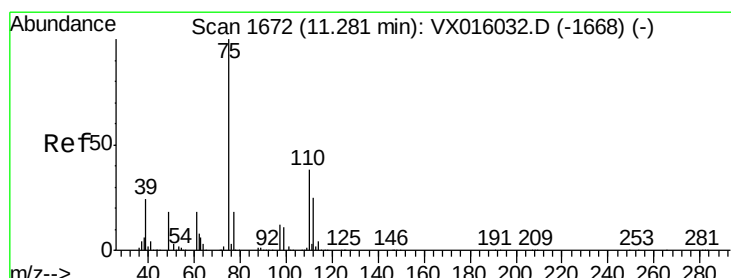
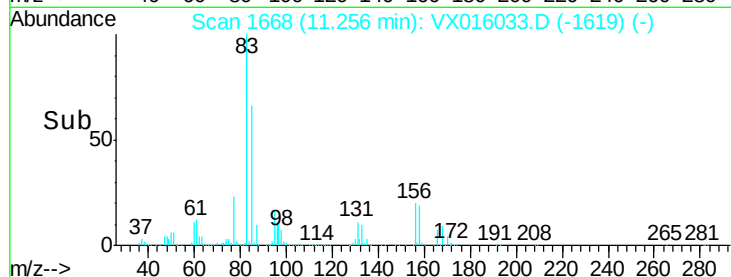
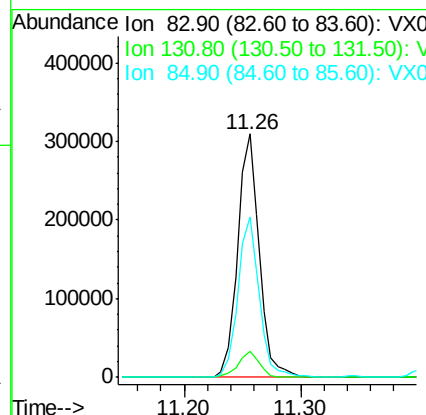
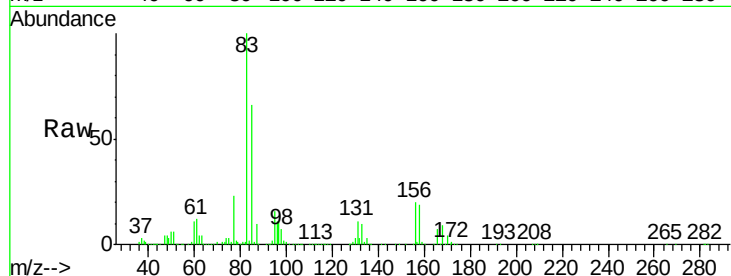
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	399516
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.4
85	65.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 74.635 ug/l m

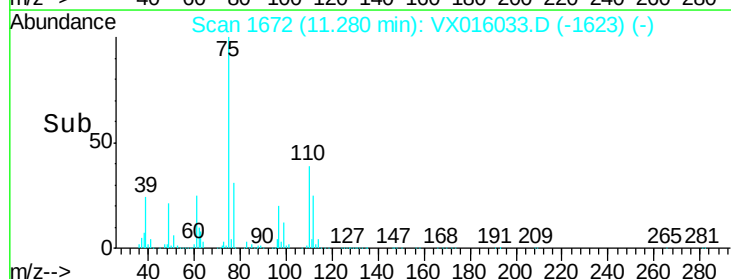
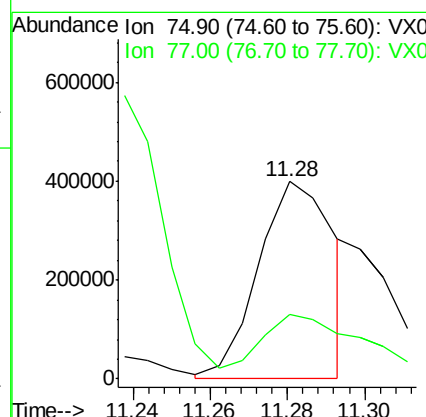
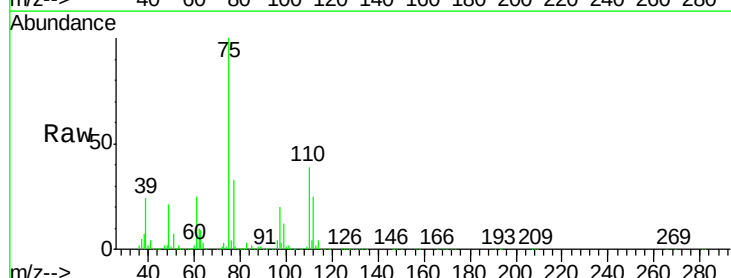
RT: 11.28 min Scan# 1672

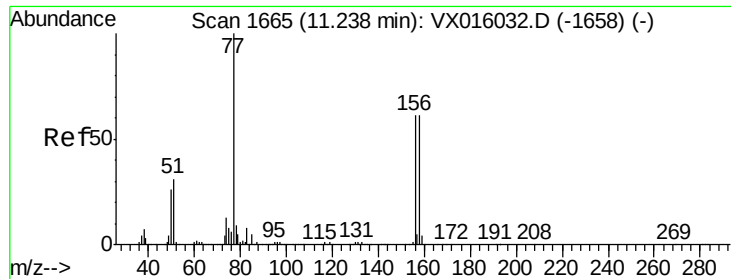
Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Tgt Ion:	75	Resp:	537172
Ion Ratio	Lower	Upper	
75	100		
77	45.2	21.2	63.6





#77

Bromobenzene

Concen: 94.394 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

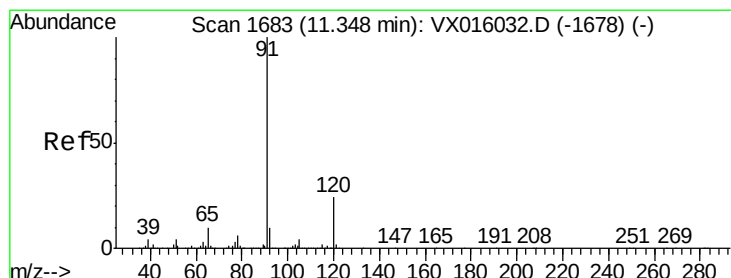
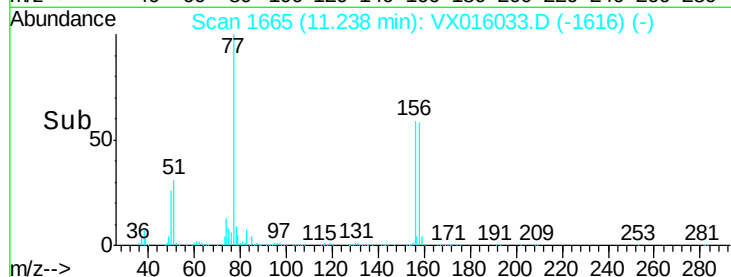
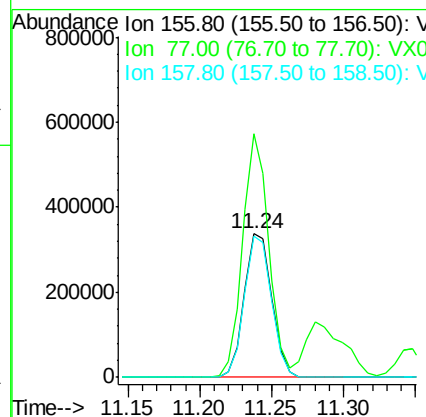
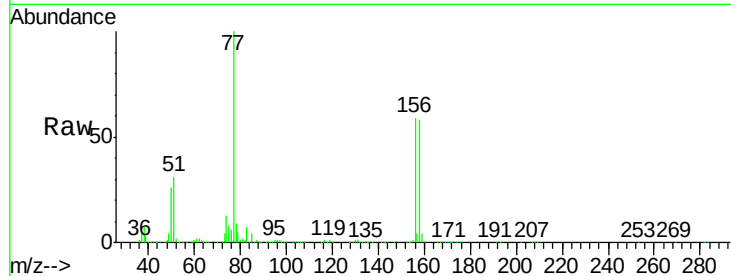
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	446356
Ion Ratio	Lower	Upper	
156	100		
77	161.0	80.1	240.3
158	97.2	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 96.447 ug/l

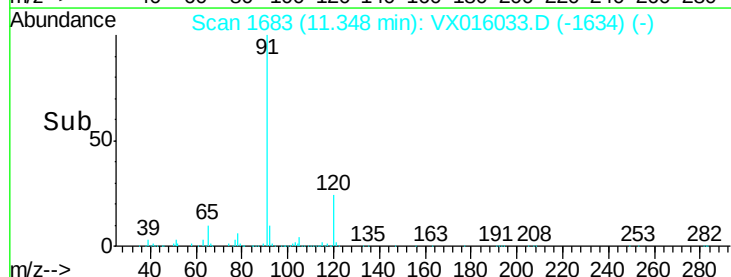
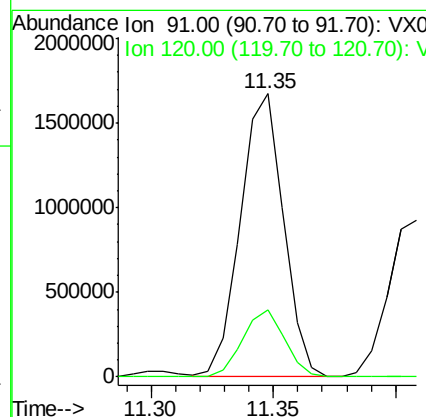
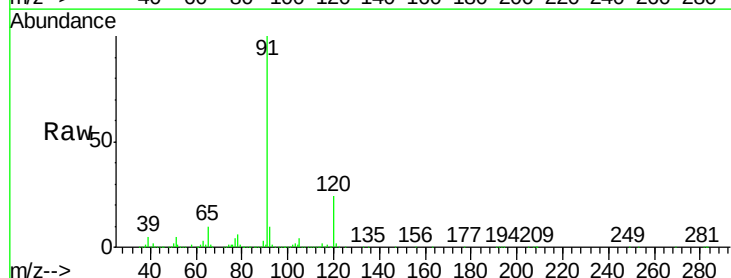
RT: 11.35 min Scan# 1683

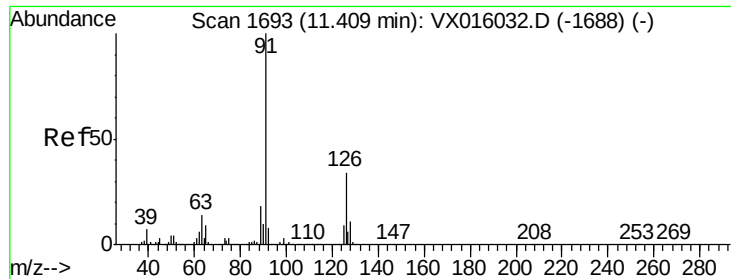
Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Tgt Ion:	91	Resp:	2047511
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 95.388 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1197714

Ion Ratio Lower Upper

91 100

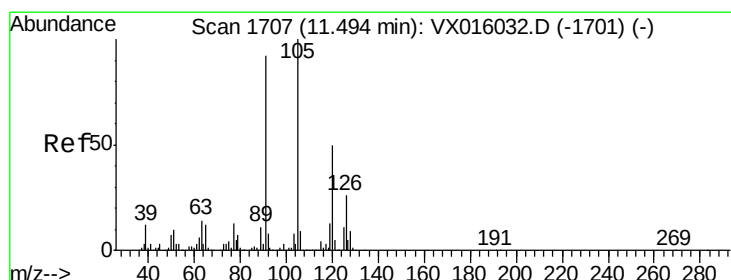
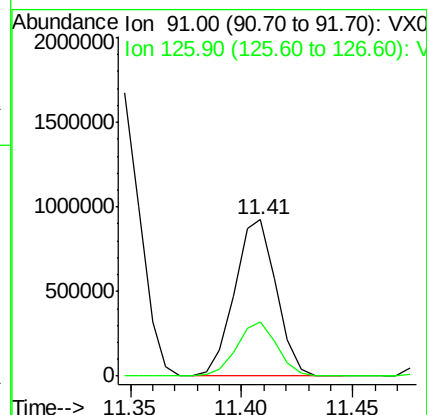
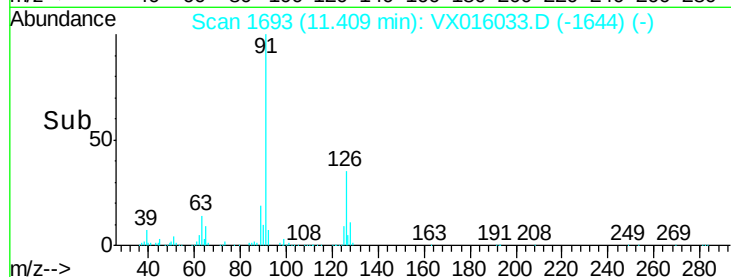
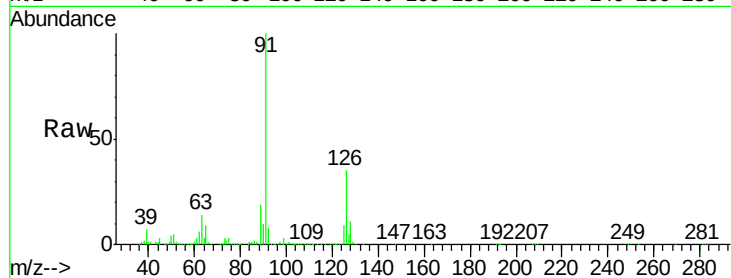
126 33.6 16.9 50.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 99.688 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016033.D

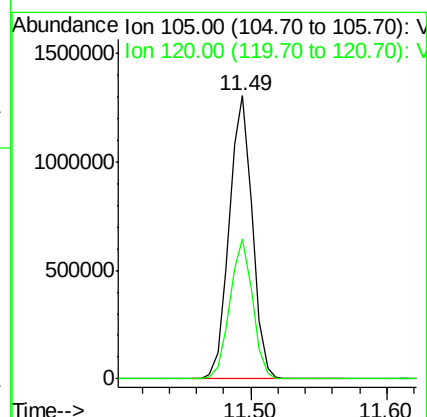
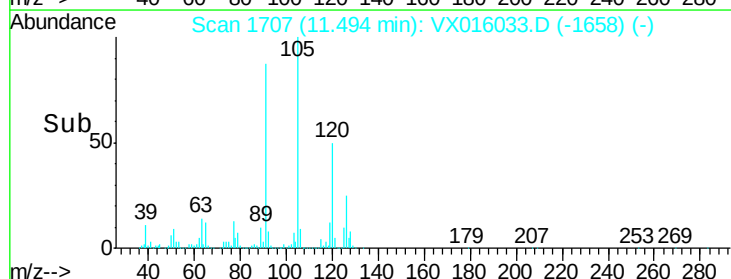
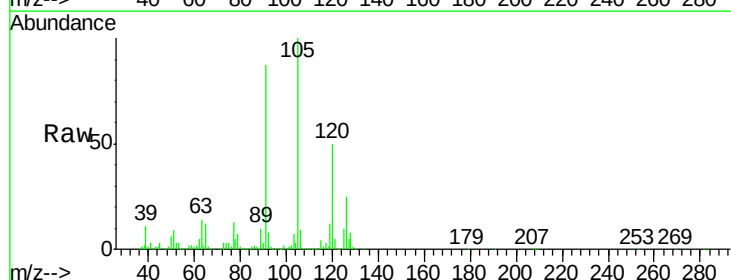
Acq: 04 May 2020 13:10

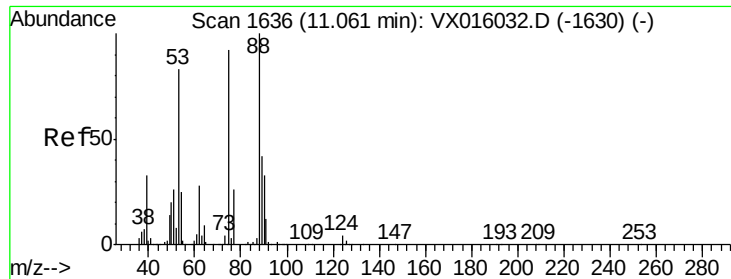
Tgt Ion: 105 Resp: 1518868

Ion Ratio Lower Upper

105 100

120 48.9 24.6 74.0





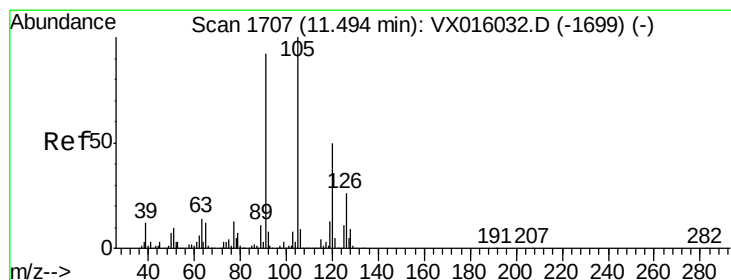
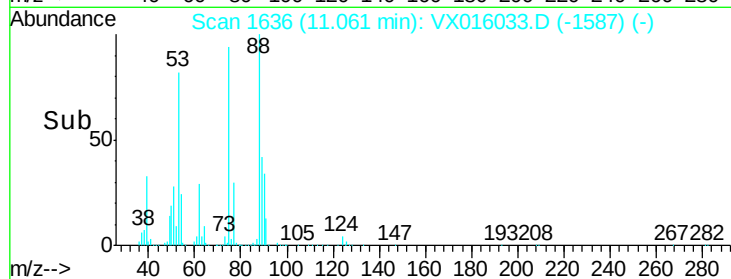
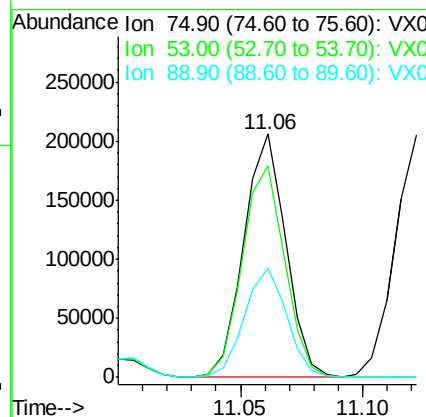
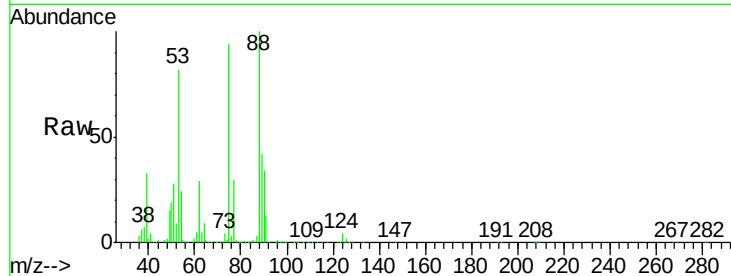
#81
trans-1,4-Dichloro-2-butene
Concen: 106.624 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	73.1	109.7
89	45.8	36.7	55.1

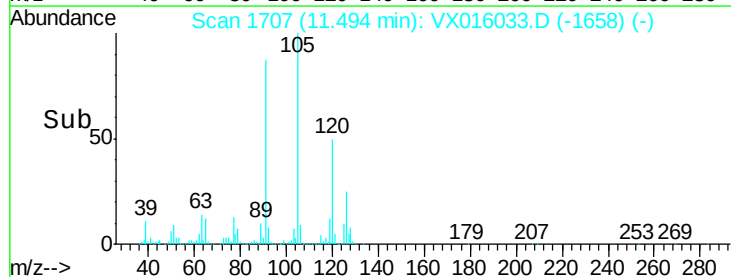
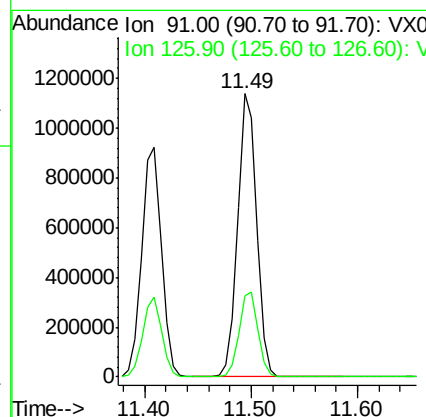
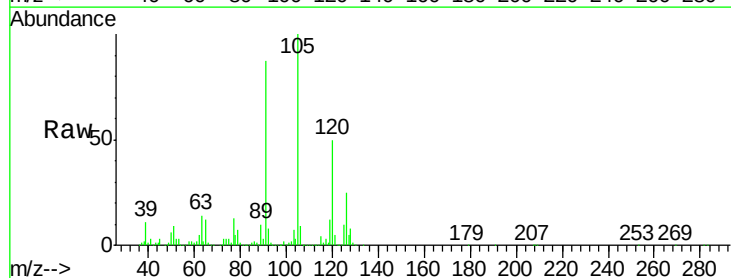
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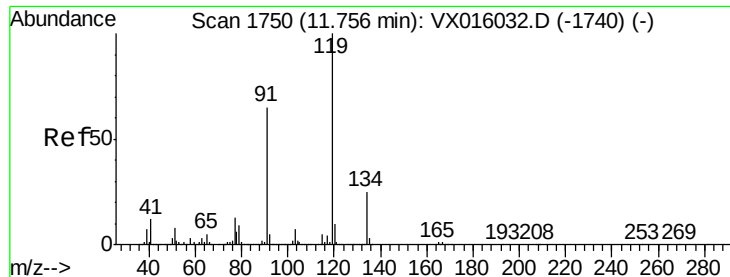
MMDadoda
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#82
4-Chlorotoluene
Concen: 96.574 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	14.8	44.3





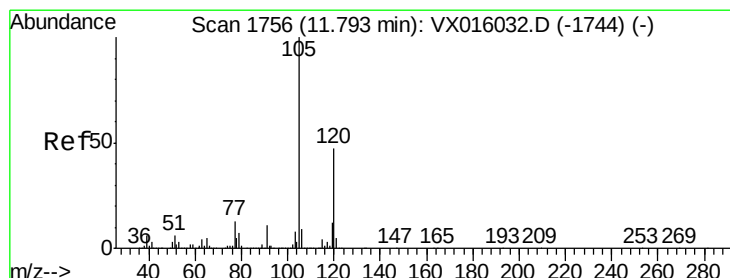
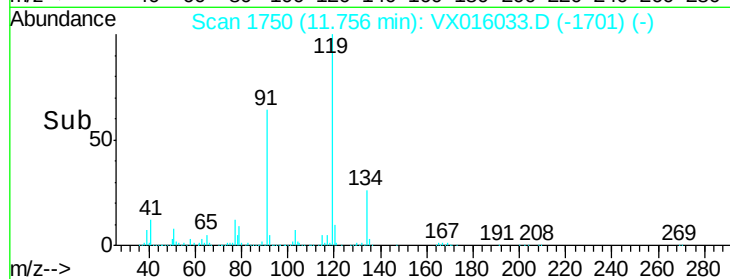
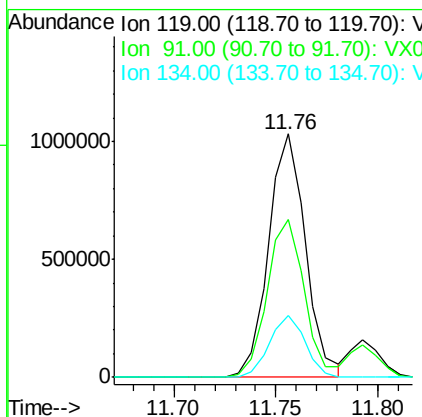
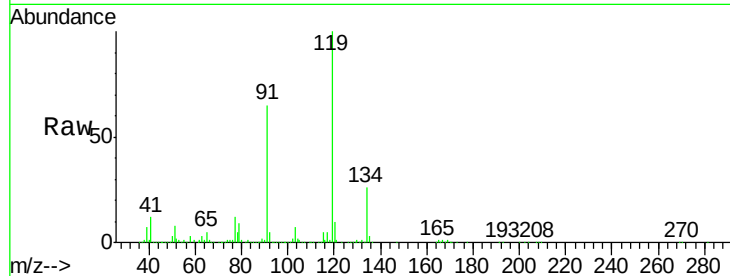
#83
 tert-Butylbenzene
 Concen: 99.085 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.8	98.4
134	24.7	12.4	37.0

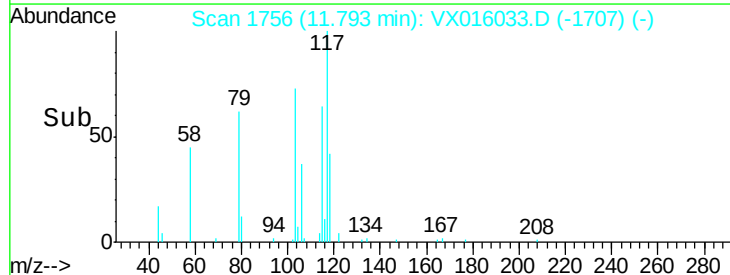
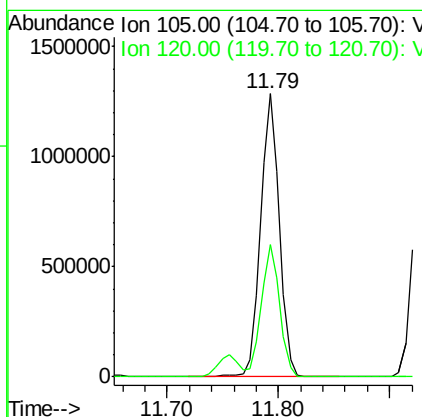
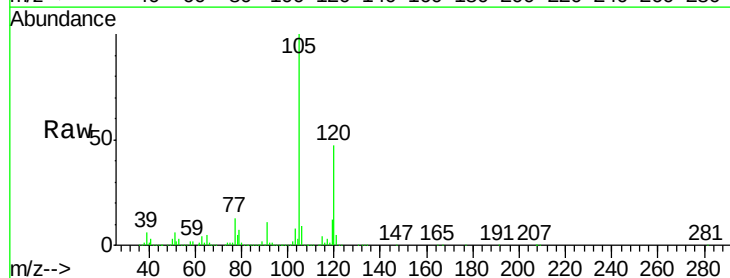
Manual Integrations
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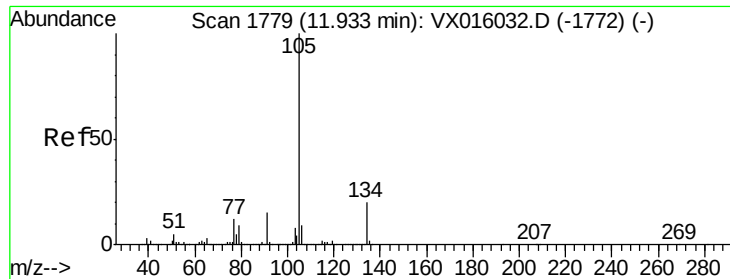
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#84
 1,2,4-Trimethylbenzene
 Concen: 98.034 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0





#85

sec-Butylbenzene

Concen: 97.820 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1741040

Ion Ratio Lower Upper

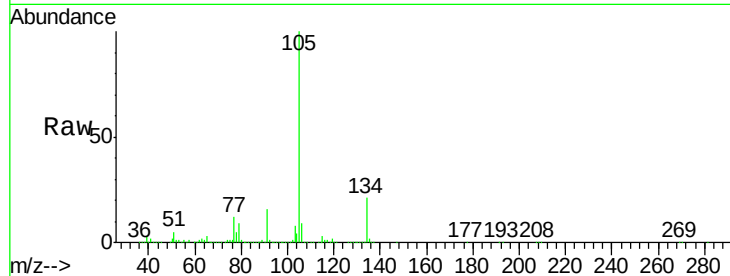
105 100

134 20.4 10.1 30.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

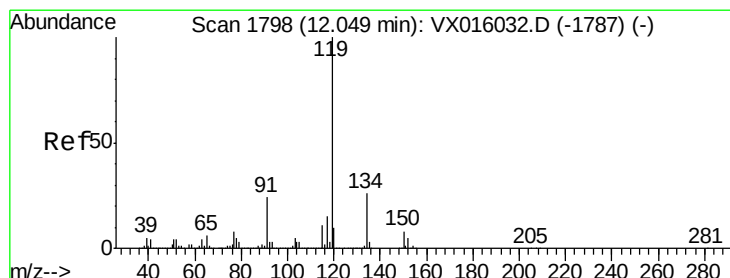
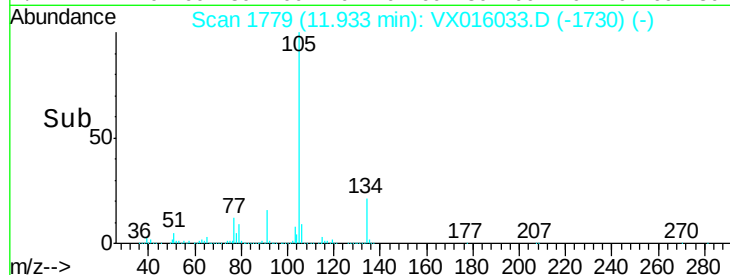
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 98.653 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016033.D

Acq: 04 May 2020 13:10

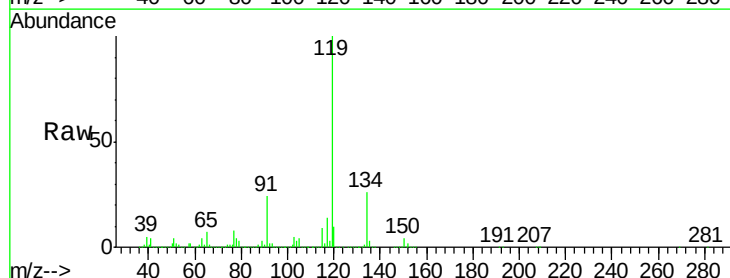
Tgt Ion:119 Resp: 1624201

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 23.8 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.05

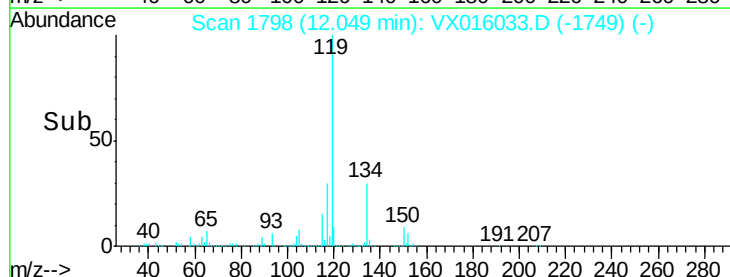
1500000

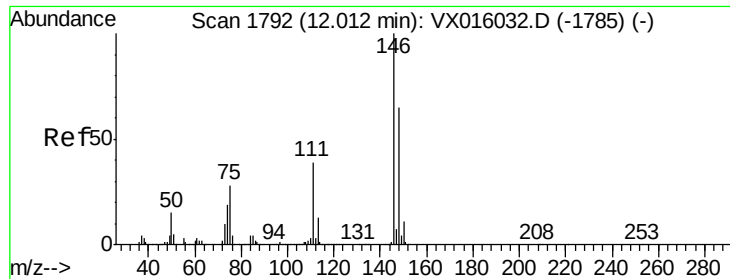
1000000

500000

0

Time-->





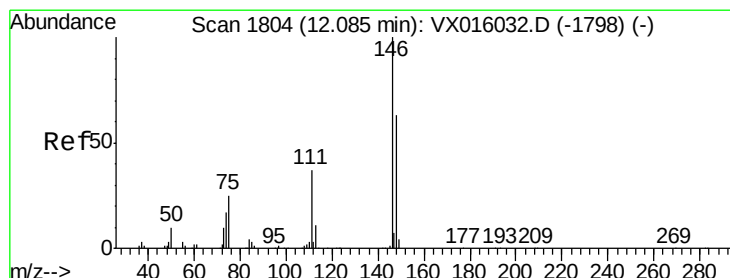
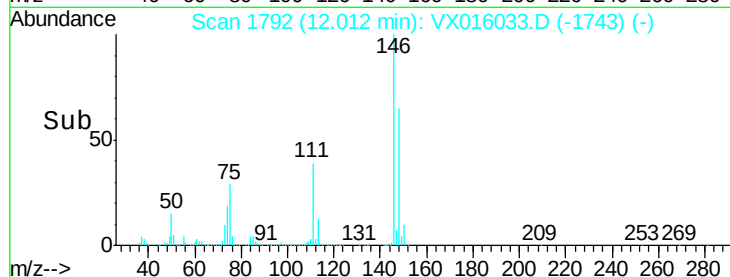
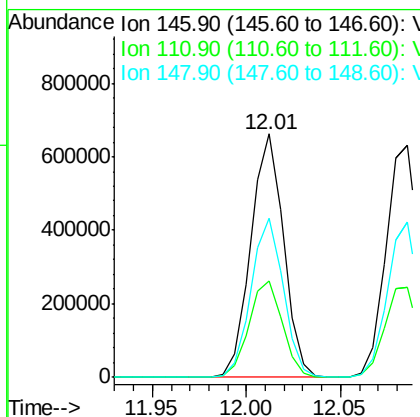
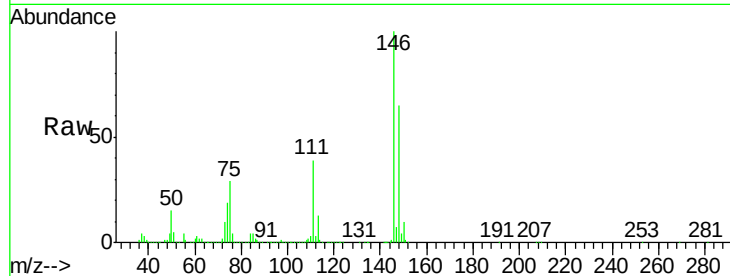
#87
 1,3-Dichlorobenzene
 Concen: 94.032 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.6
148	64.6	32.1	96.3

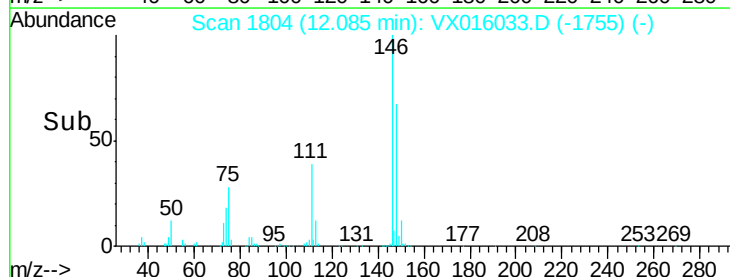
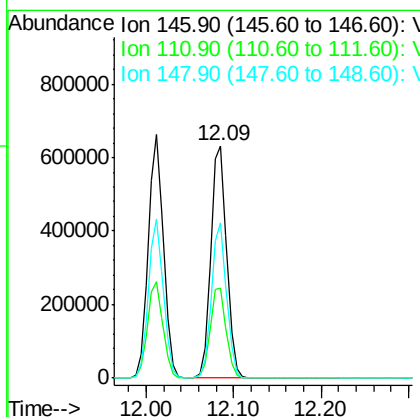
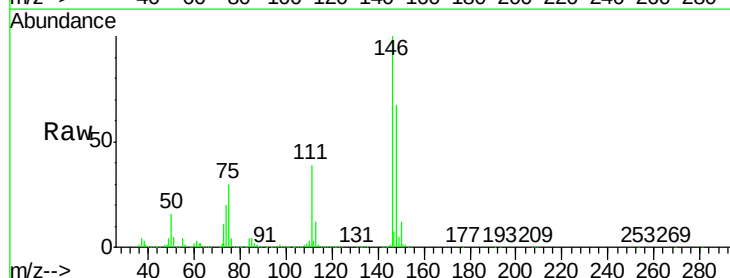
Manual Integrations
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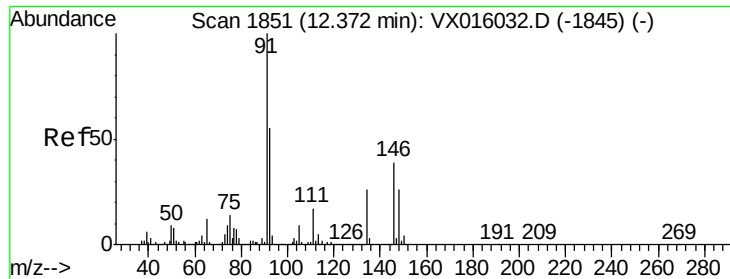
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#88
 1,4-Dichlorobenzene
 Concen: 93.721 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	64.0	31.8	95.3





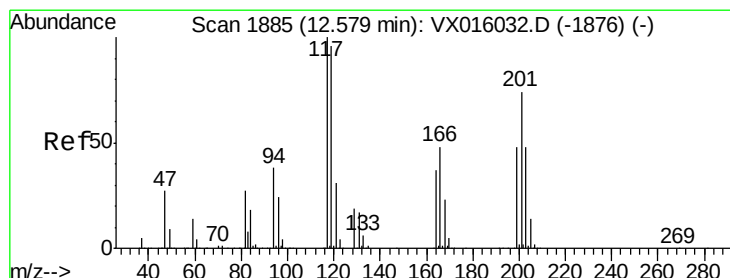
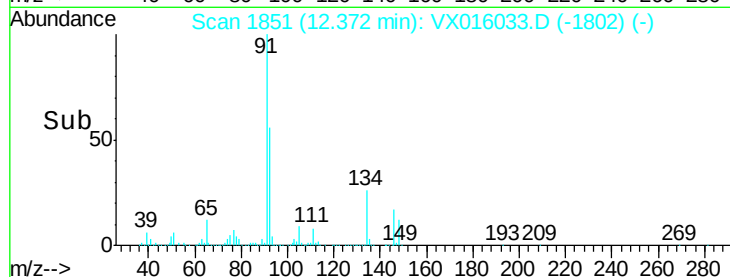
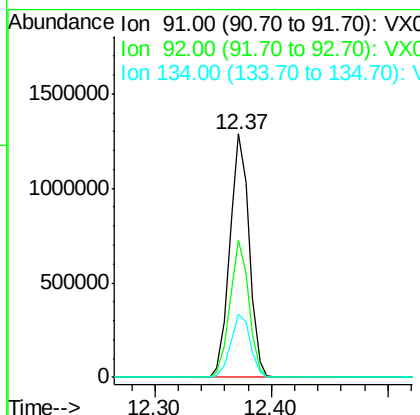
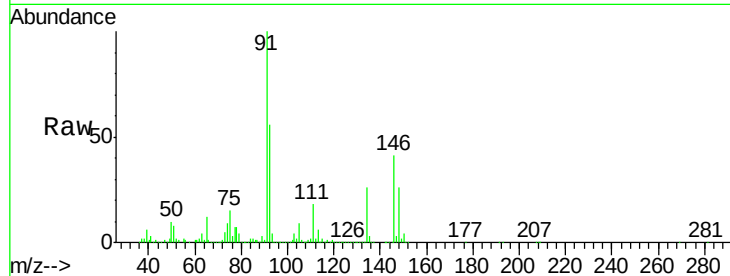
#89
n-Butylbenzene
Concen: 99.013 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.6	82.7
134	26.6	13.4	40.1

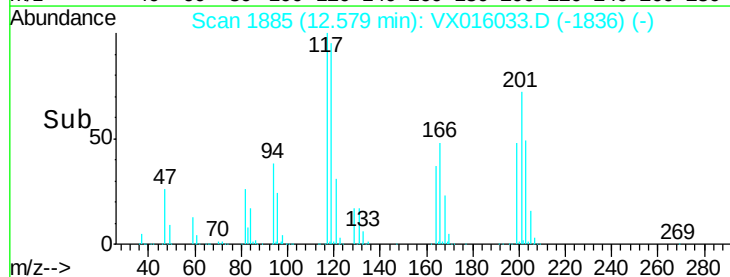
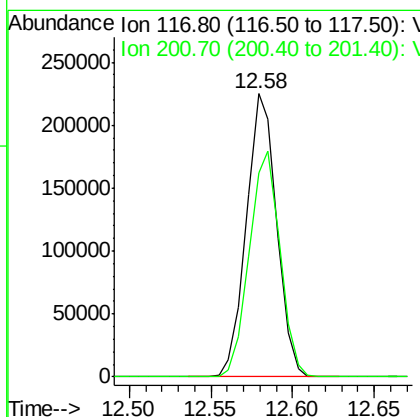
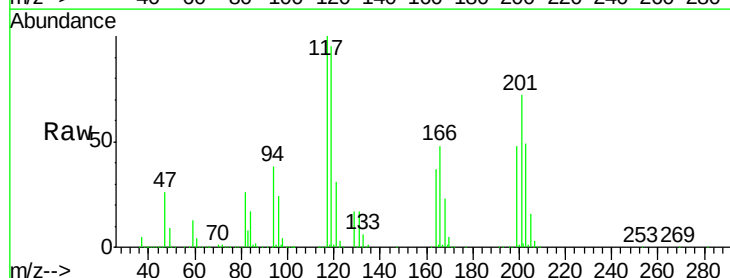
Manual Integrations
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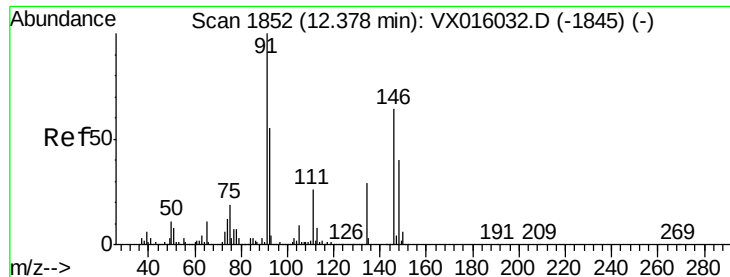
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#90
Hexachloroethane
Concen: 106.864 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	39.8	119.3





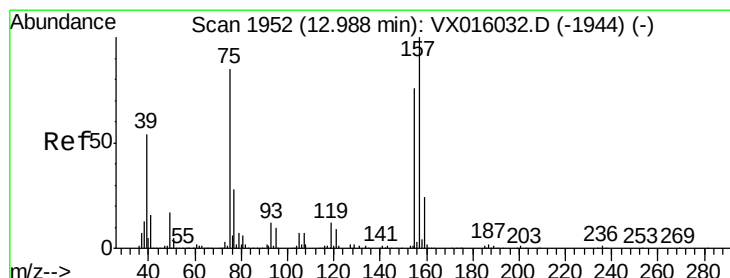
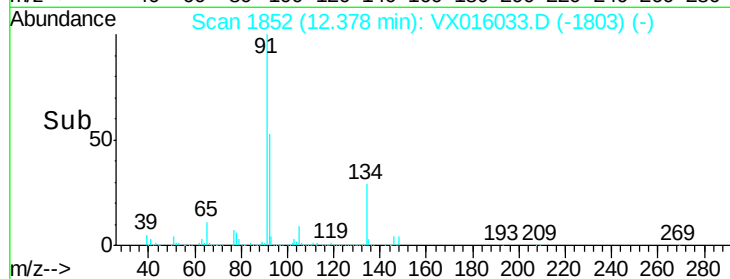
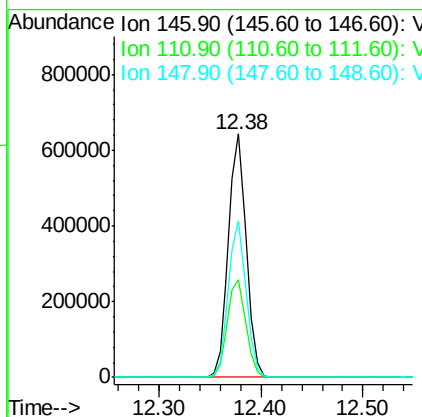
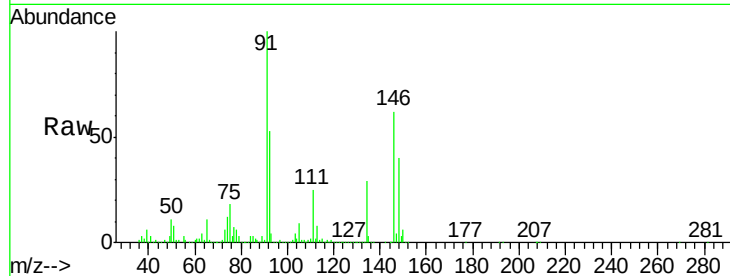
#91
 1,2-Dichlorobenzene
 Concen: 95.099 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.1
148	64.1	32.4	97.0

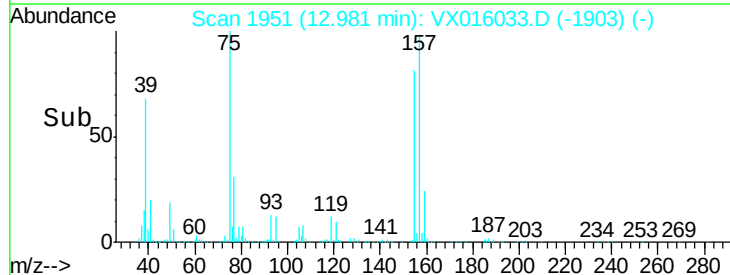
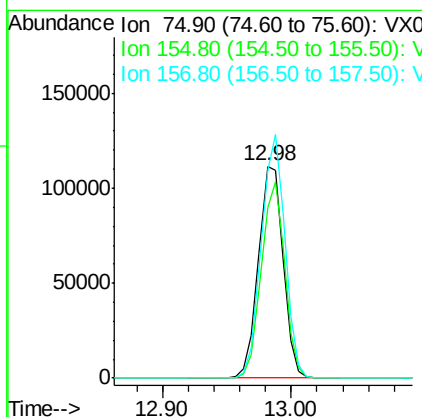
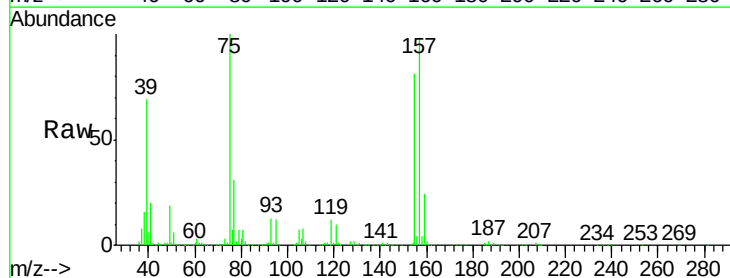
Manual Integrations
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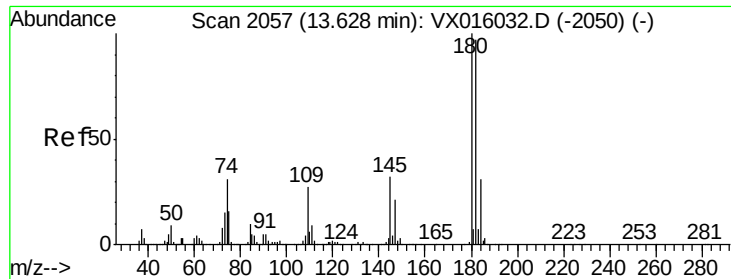
MMDadoda
 5/5/2020 11:35:24 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 99.924 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016033.D
 Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	42.5	127.5
157	110.0	55.3	165.8





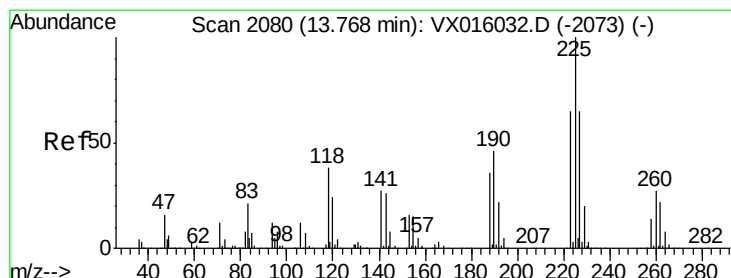
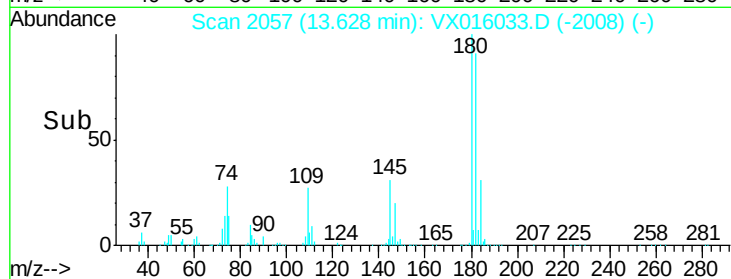
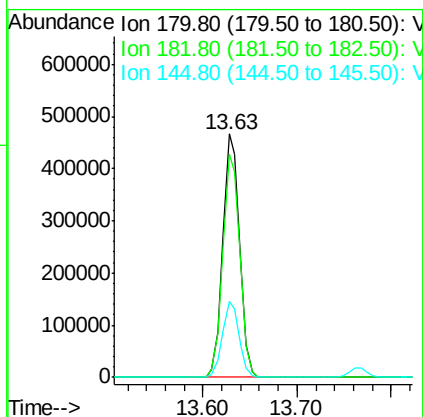
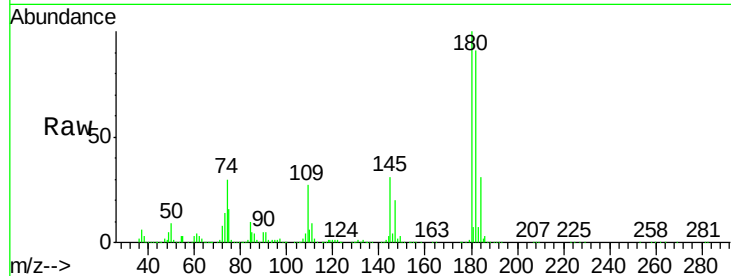
#93
1,2,4-Trichlorobenzene
Concen: 95.257 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	572668		
182	92.8	48.7	146.1	
145	31.0	15.7	47.1	

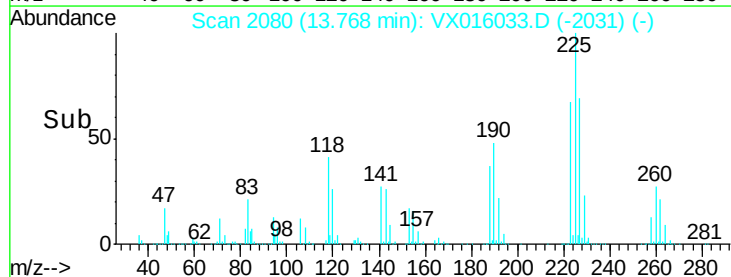
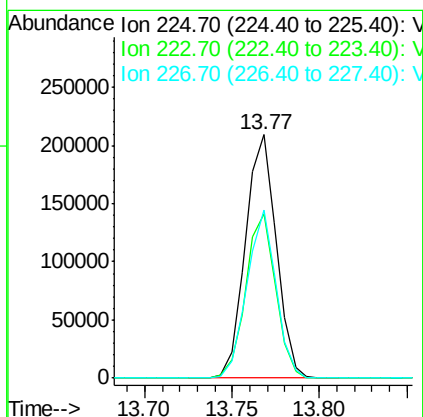
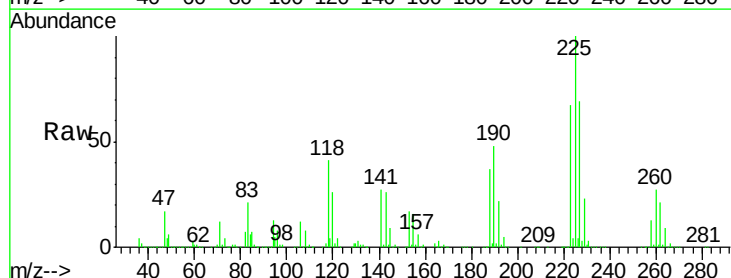
Manual Integrations
APPROVED

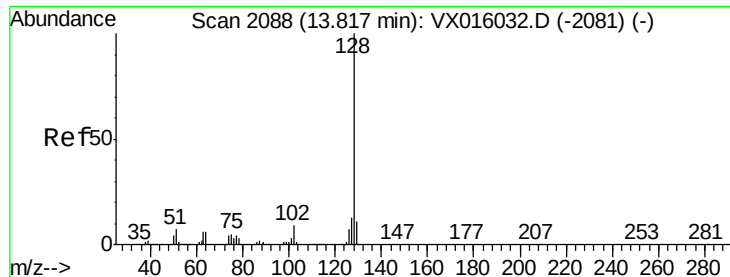
MMDadoda
5/5/2020 11:35:24 AM



#94
Hexachlorobutadiene
Concen: 90.558 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	255706		
223	65.4	32.3	96.9	
227	65.5	31.8	95.4	





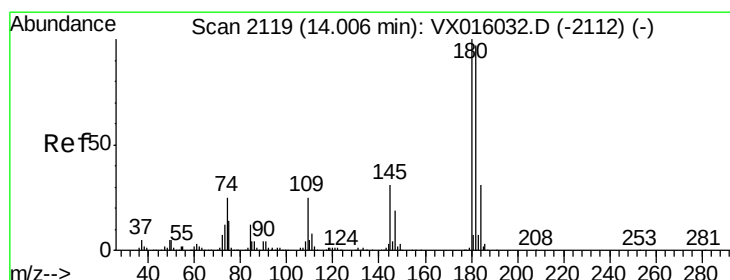
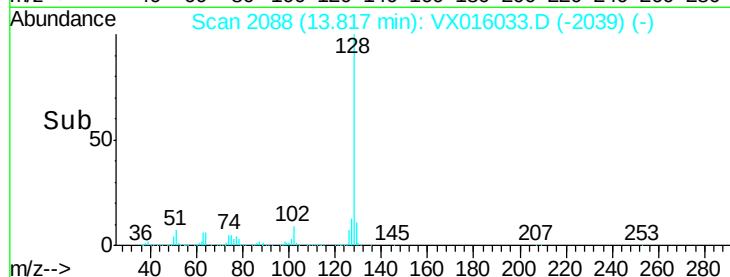
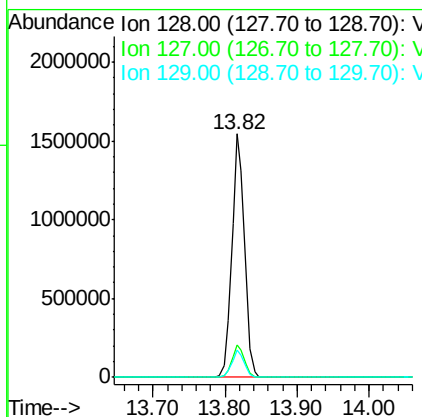
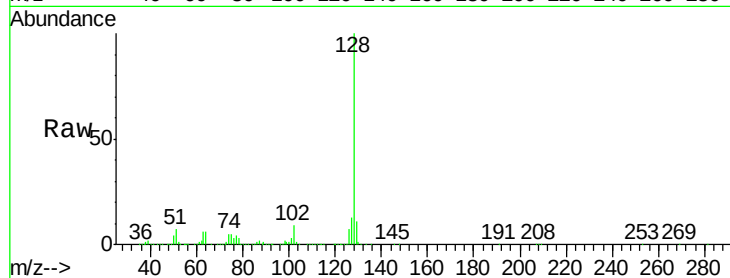
#95
Naphthalene
Concen: 97.625 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 95.965 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016033.D
Acq: 04 May 2020 13:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.4	145.0
145	32.7	16.4	49.1

