

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012819\
 Data File : VL033120.D
 Acq On : 28 Jan 2019 20:09
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

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 1/29/2019 2:36:27 PM

Quant Time: Jan 28 21:59:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 28 2019
 QLast Update : Mon Jan 28 16:32:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1186528	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3020843	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3202699	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2148177	8.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	3420526	15.491	ppbv	98
3) Chlorodifluoromethane	3.01	51	1914649	14.255	ppbv	99
4) Chloromethane	3.17	50	1091002	14.182	ppbv	96
5) Vinyl Chloride	3.29	62	1145975	14.750	ppbv	99
6) Bromomethane	3.51	94	765765	14.509	ppbv	100
7) Chloroethane	3.60	64	443001	14.581	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	2719100	14.296	ppbv	99
9) Propene	3.04	41	833466	16.611	ppbv	99
10) Heptane	8.25	43	2036361	14.255	ppbv	100
11) Trichlorofluoromethane	4.00	101	2984575	12.232	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	2050361	13.289	ppbv	99
13) Ethanol	3.65	45	232585	11.624	ppbv	99
14) Bromoethene	3.79	108	999959	14.674	ppbv	99
15) Acetone	3.90	43	1977322	12.040	ppbv	99
16) 1,3-Butadiene	3.36	39	986235	15.925	ppbv	90
17) tert-Butyl alcohol	4.36	59	451272	12.971	ppbv	99
18) 1,1-Dichloroethene	4.35	96	940027	13.227	ppbv	100
19) Isopropyl Alcohol	4.02	45	1398586	12.370	ppbv	99
20) Methylene Chloride	4.41	84	812034	11.860	ppbv	98
21) Allyl Chloride	4.48	41	1524910	14.984	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	994835	14.122	ppbv	96
23) Vinyl Acetate	5.16	43	3163864	15.143	ppbv	99
24) 1,1-Dichloroethane	5.09	63	2370890	13.365	ppbv	100
25) Ethyl Acetate	5.77	43	3677742	13.248	ppbv	100
26) Hexane	5.78	57	1728587	13.224	ppbv	99
27) Carbon Disulfide	4.62	76	2491109	15.453	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	2965997	14.537	ppbv	100
29) Chloroform	5.85	83	2832234	12.714	ppbv	99
30) Cyclohexane	7.25	84	1476436	15.149	ppbv	97
31) cis-1,2-Dichloroethene	5.65	61	1757255	14.478	ppbv	90
32) 1,1,1-Trichloroethane	6.62	97	2843401	12.577	ppbv	99
34) 2-Butanone	5.33	43	2314462	13.186	ppbv	99
35) Carbon Tetrachloride	7.14	117	3089003	11.905	ppbv	99
36) Benzene	7.01	78	3453030	13.954	ppbv	99
37) 1,2-Dichloroethane	6.42	62	2085169	12.069	ppbv	99
38) Trichloroethene	7.96	130	1381902	13.575	ppbv	94
39) 1,2-Dichloropropane	7.74	63	1249718	13.444	ppbv	97
40) 1,4-Dioxane	7.95	88	478952	13.573	ppbv	87
41) Tetrahydrofuran	6.15	42	1342543	15.028	ppbv	99
42) Bromodichloromethane	7.92	83	2991171	12.603	ppbv	93
43) Methyl Methacrylate	8.14	69	1358981	14.636	ppbv	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.99	57	5567742	13.286	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1940339m	16.788	ppbv	
46) cis-1,3-Dichloropropene	8.84	75	2153848	16.327	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	1413418	13.014	ppbv	96
48) Dibromochloromethane	10.45	129	2605812	13.580	ppbv	100
49) Bromoform	13.21	173	2214404	13.208	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	3210955	14.437	ppbv	100
51) 2-Hexanone	10.27	43	2451642	15.235	ppbv	100
52) Tetrachloroethene	11.38	164	1216032	13.903	ppbv	98
53) Toluene	9.95	91	3954750	14.913	ppbv	99
54) 1,2-Dibromoethane	10.76	107	2198884	14.052	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1827072	11.041	ppbv #	71
57) Chlorobenzene	12.30	112	3042583	11.382	ppbv	99
58) Ethyl Benzene	12.87	91	5332480	13.187	ppbv	98
59) m/p-Xylene	13.15	91	9053911m	24.204	ppbv	
60) o-Xylene	13.86	91	4349129	11.876	ppbv	100
61) Styrene	13.69	104	3337884	14.285	ppbv	99
62) Isopropylbenzene	14.83	105	6248361	11.989	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2980874	10.958	ppbv	99
64) n-propylbenzene	15.73	120	1632200	12.328	ppbv	95
65) tert-Butylbenzene	16.91	119	5430507	11.764	ppbv	99
66) Benzyl Chloride	17.16	91	3378684	12.842	ppbv	100
67) sec-Butylbenzene	17.46	105	7668299m	11.608	ppbv	
69) p-Isopropyltoluene	17.82	119	6341963	11.828	ppbv	99
70) n-Butylbenzene	18.72	91	6266582	11.626	ppbv	100
71) 2-Chlorotoluene	15.62	91	4607541	12.466	ppbv	99
72) 4-Ethyltoluene	16.01	105	5108124	12.693	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	4853795	12.224	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	4898585	11.139	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	2790802	10.781	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	2765762	11.729	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	2695470	11.563	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1751121	9.780	ppbv	100
79) Naphthalene	22.41	128	4180982	11.287	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1487612	13.234	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1988363	11.111	ppbv	100

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

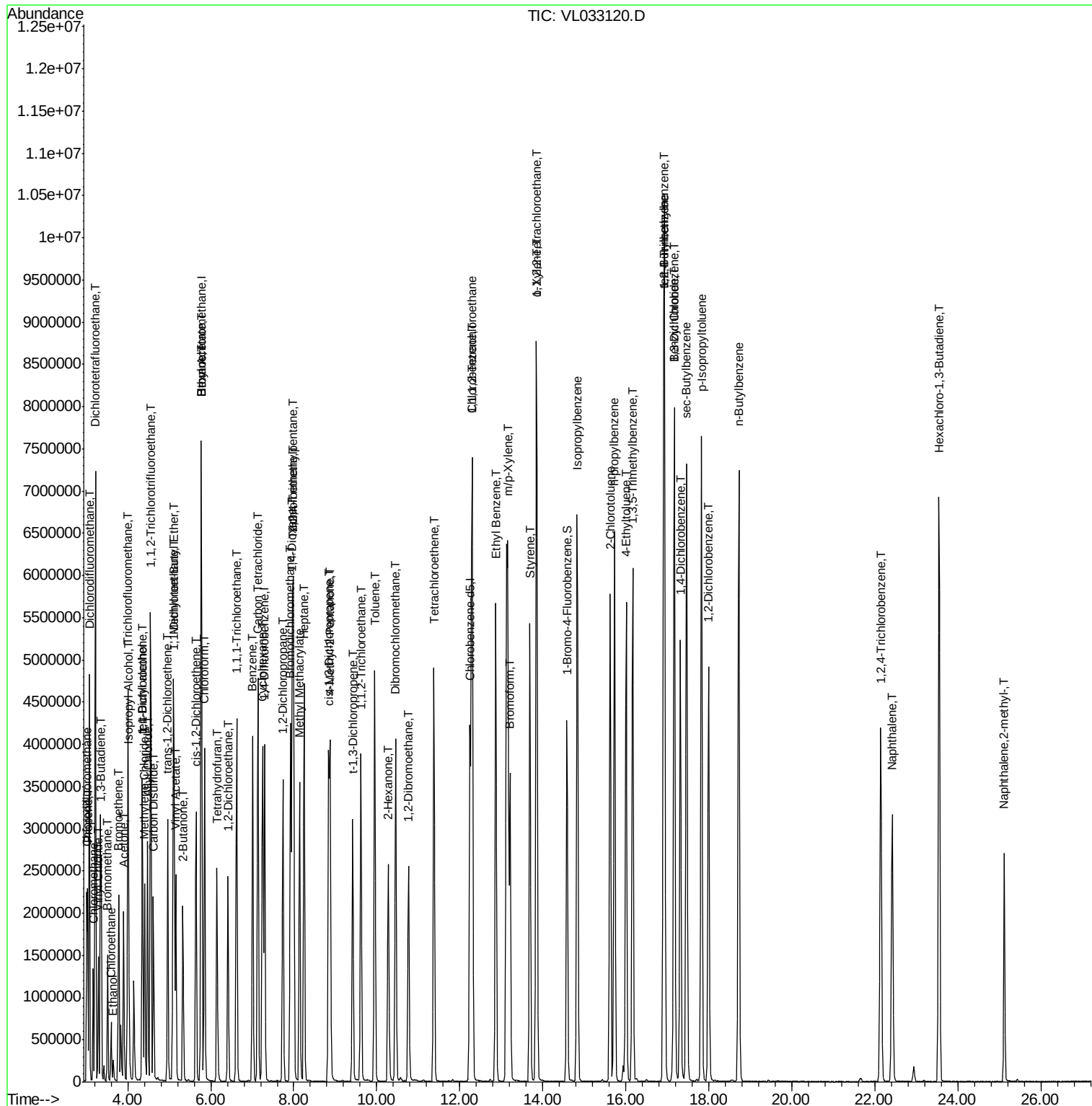
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012819\
Data File : VL033120.D
Acq On : 28 Jan 2019 20:09
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

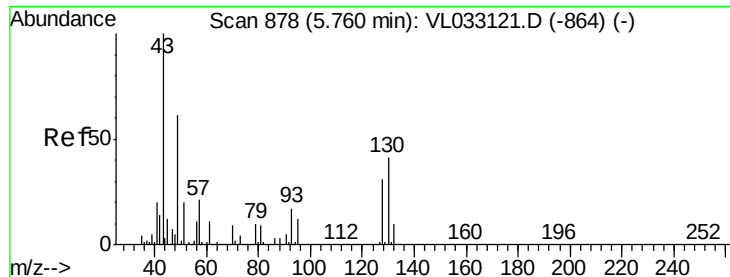
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 28 16:32:44 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 49 Resp: 1186528

Ion Ratio Lower Upper

49 100

128 52.8 25.9 77.7

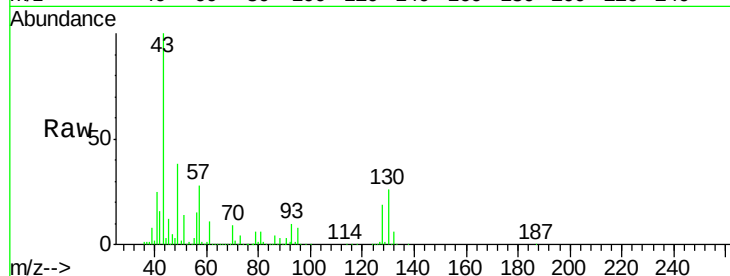
130 67.9 32.9 98.7

Manual Integrations

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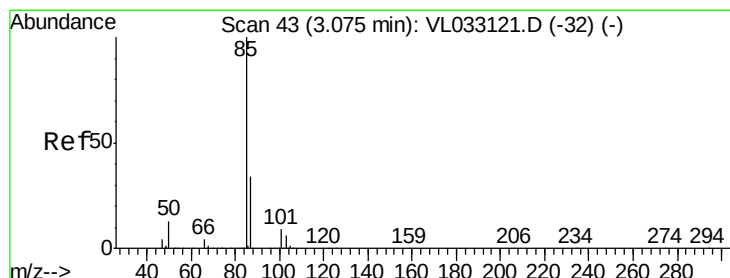
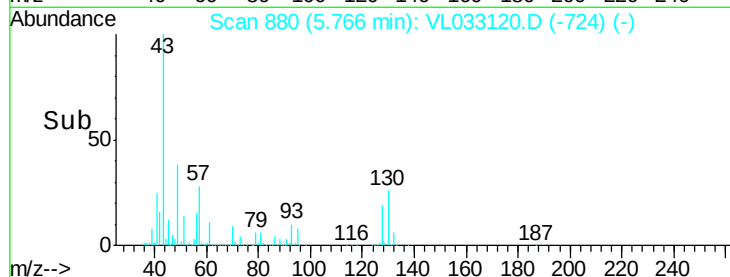
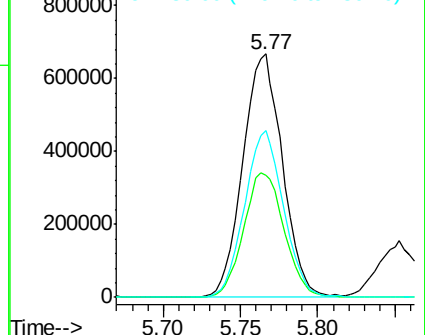
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.491 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033120.D

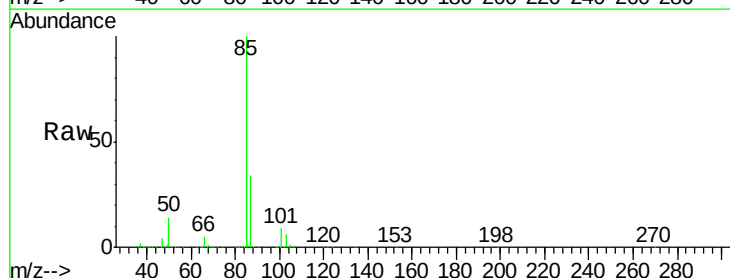
Acq: 28 Jan 2019 20:09

Tgt Ion: 85 Resp: 3420526

Ion Ratio Lower Upper

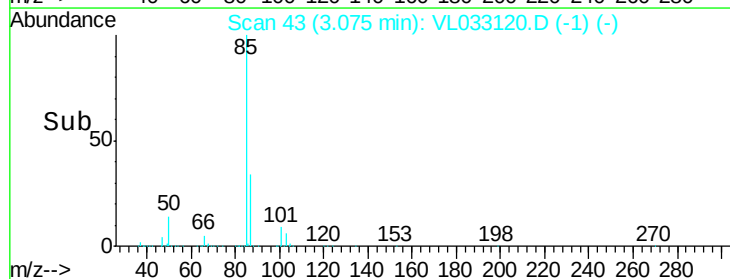
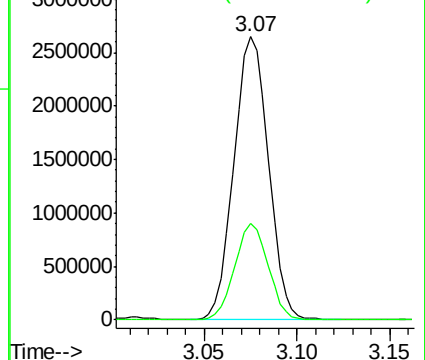
85 100

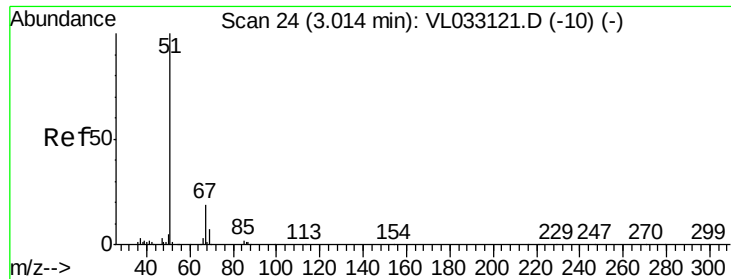
87 34.1 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 14.255 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Tot Ion: 51 Resp: 1914649

Ion Ratio Lower Upper

51 100

67 20.5 16.2 24.2

Instrument :

MSVOA_L

ClientSampleId :

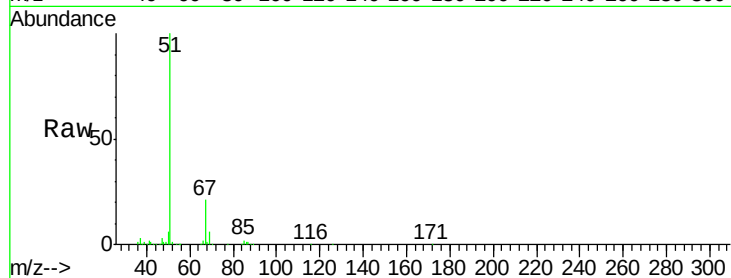
VSTDIC015

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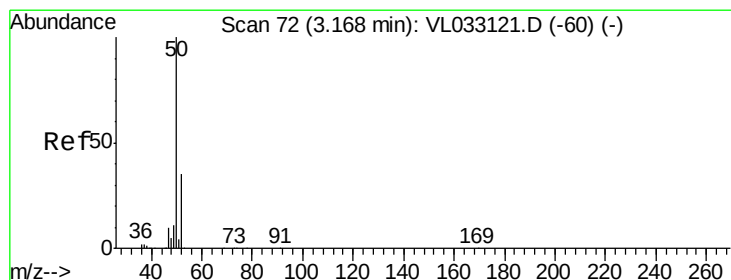
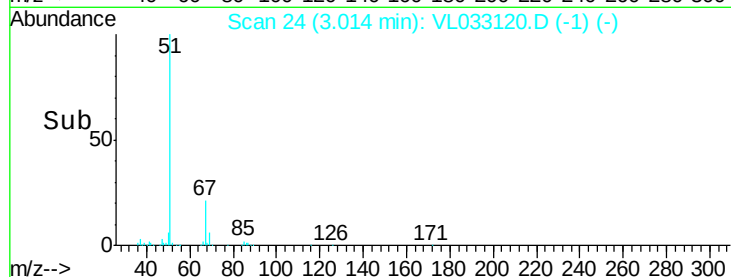
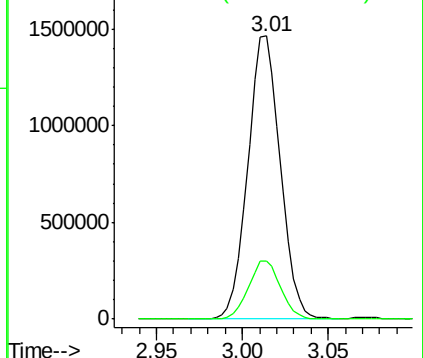
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 14.182 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033120.D

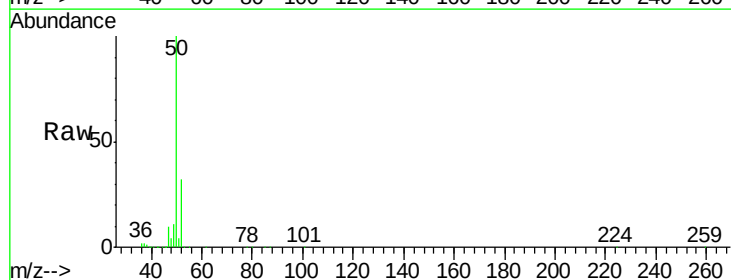
Acq: 28 Jan 2019 20:09

Tgt Ion: 50 Resp: 1091002

Ion Ratio Lower Upper

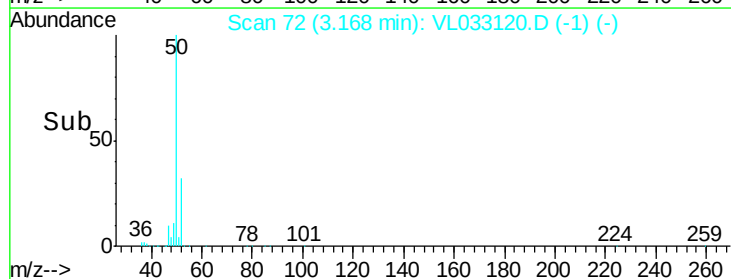
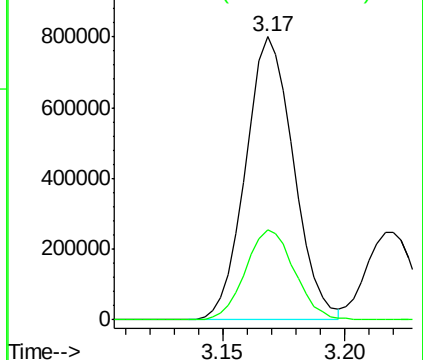
50 100

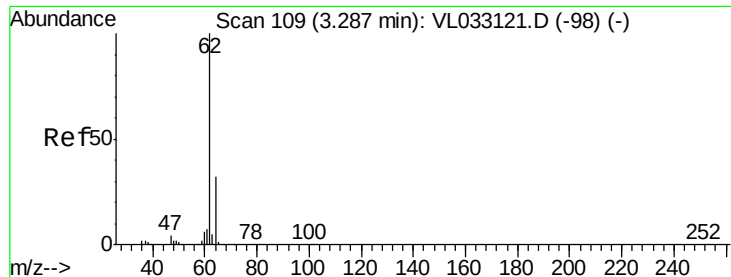
52 31.6 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 14.750 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1145975

Ion Ratio Lower Upper

62 100

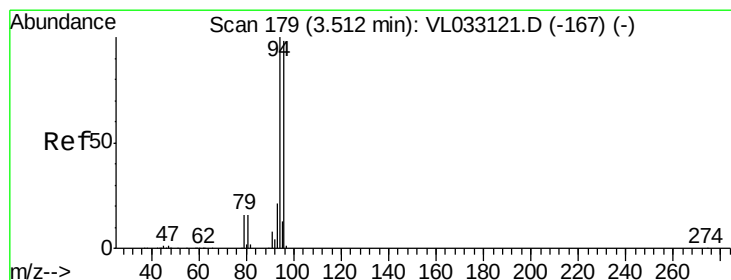
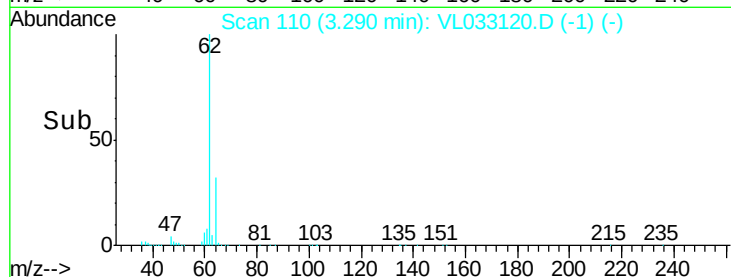
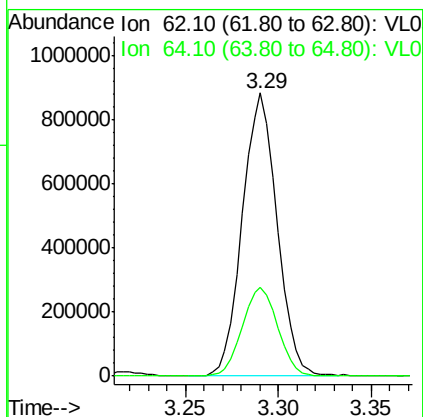
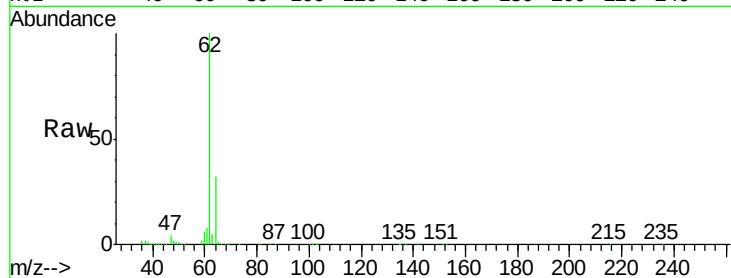
64 31.6 25.7 38.5

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#6

Bromomethane

Concen: 14.509 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033120.D

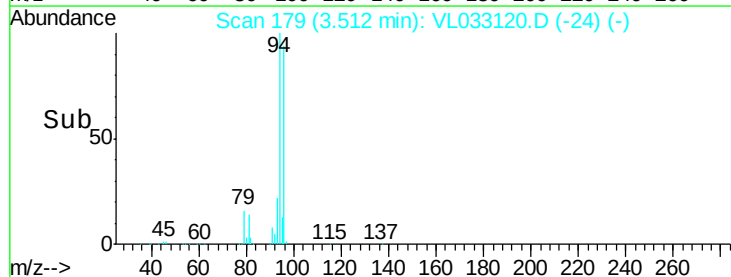
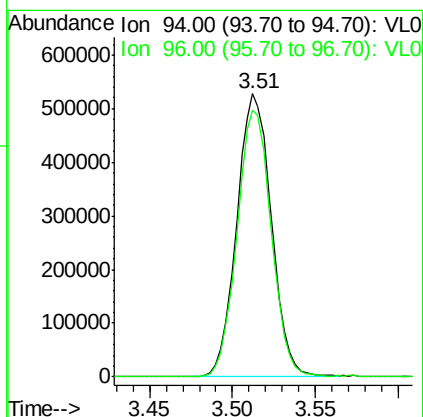
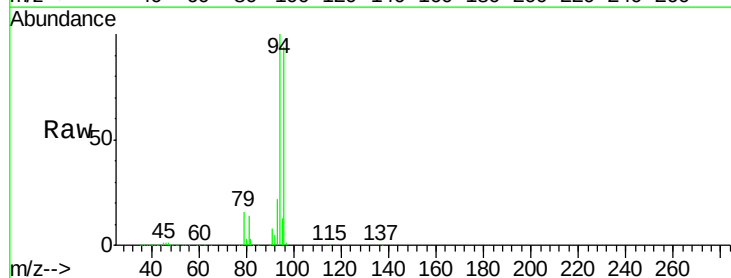
Acq: 28 Jan 2019 20:09

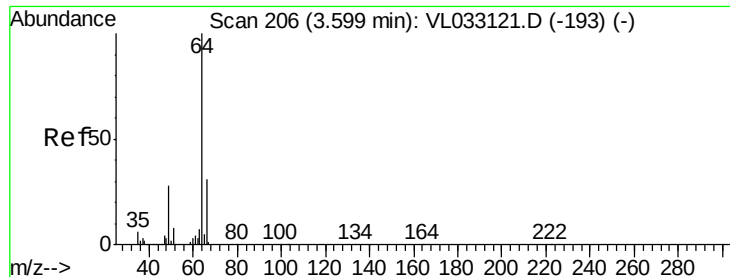
Tgt Ion: 94 Resp: 765765

Ion Ratio Lower Upper

94 100

96 94.4 75.4 113.2





#7

Chloroethane

Concen: 14.581 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 443001

Ion Ratio Lower Upper

64 100

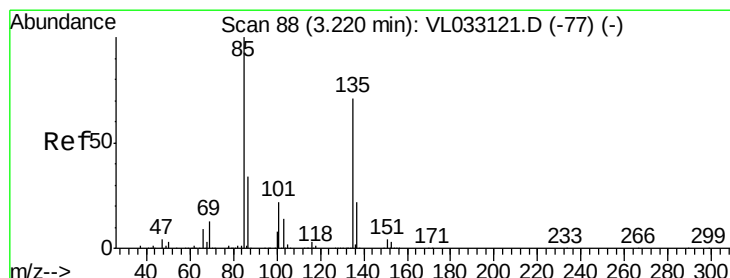
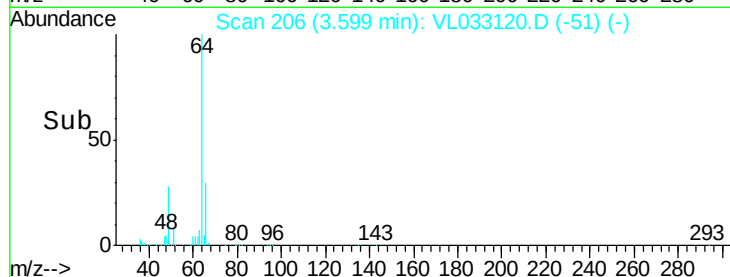
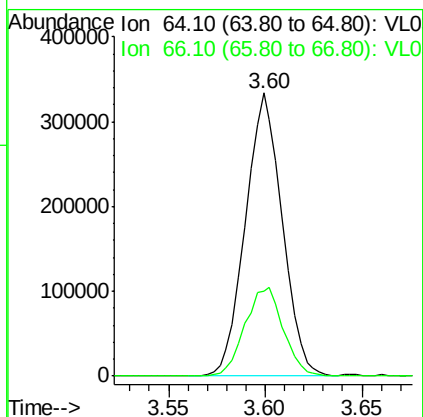
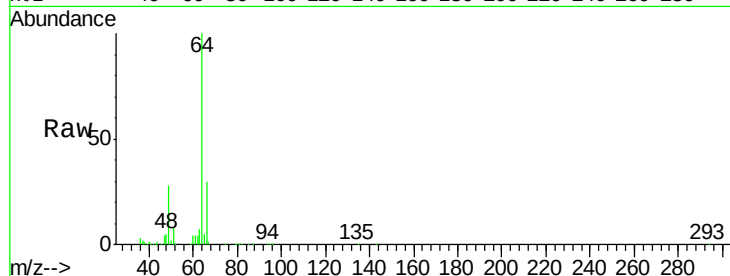
66 30.1 24.0 36.0

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#8

Dichlorotetrafluoroethane

Concen: 14.296 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033120.D

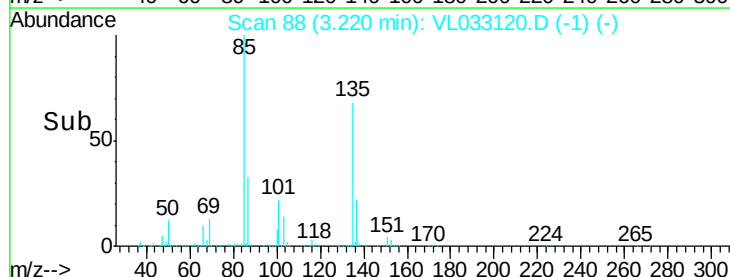
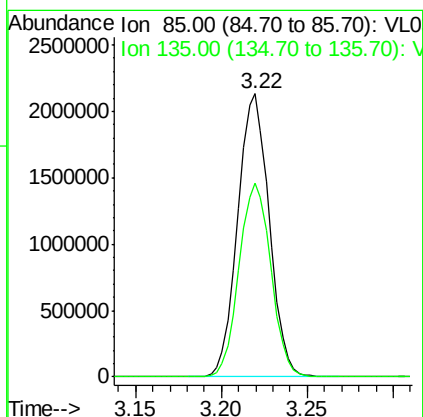
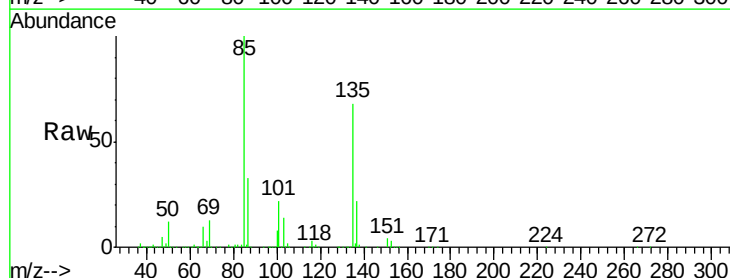
Acq: 28 Jan 2019 20:09

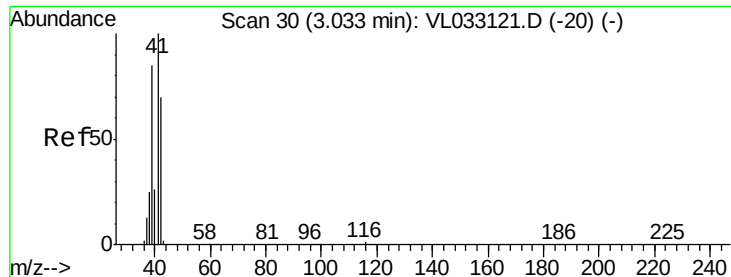
Tgt Ion: 85 Resp: 2719100

Ion Ratio Lower Upper

85 100

135 69.3 54.8 82.2





#9

Propene

Concen: 16.611 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 833466

Ion Ratio Lower Upper

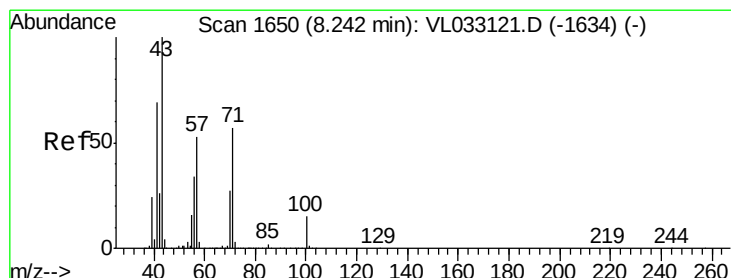
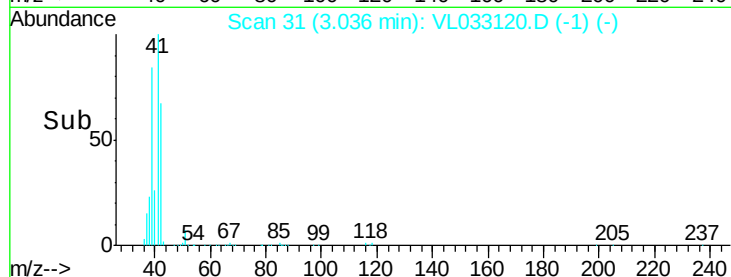
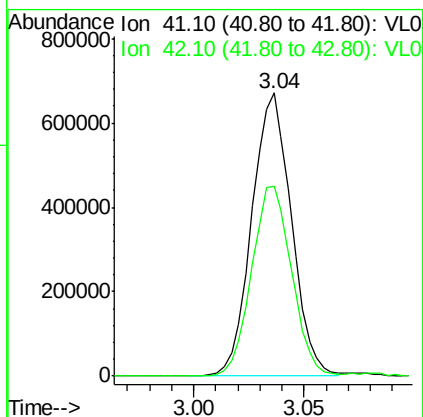
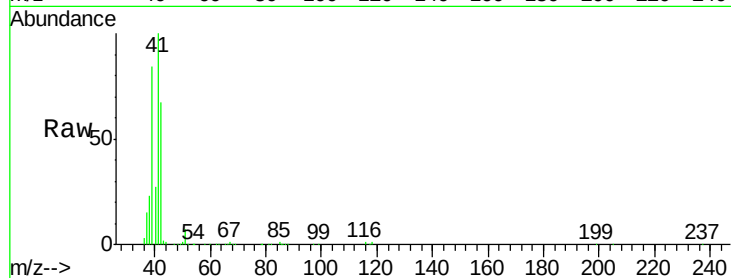
41 100

42 69.4 54.6 82.0

Manual Integrations
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#10

Heptane

Concen: 14.255 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033120.D

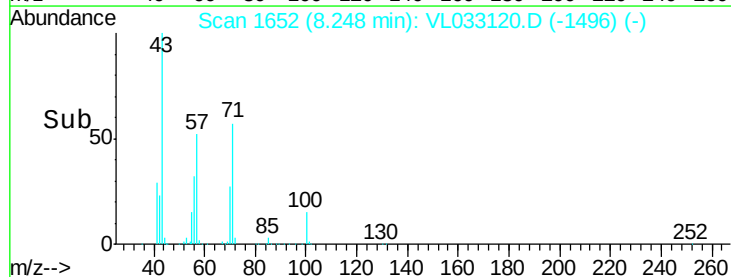
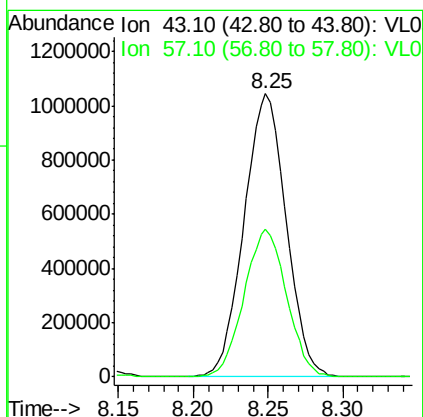
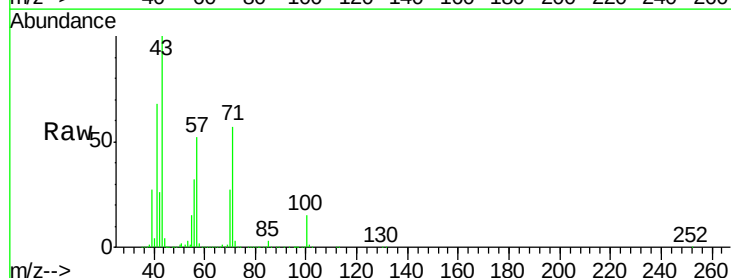
Acq: 28 Jan 2019 20:09

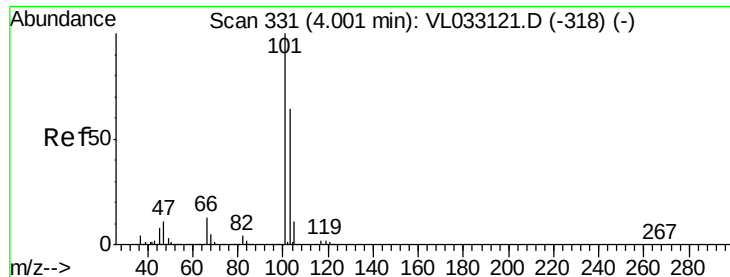
Tgt Ion: 43 Resp: 2036361

Ion Ratio Lower Upper

43 100

57 52.8 42.2 63.2





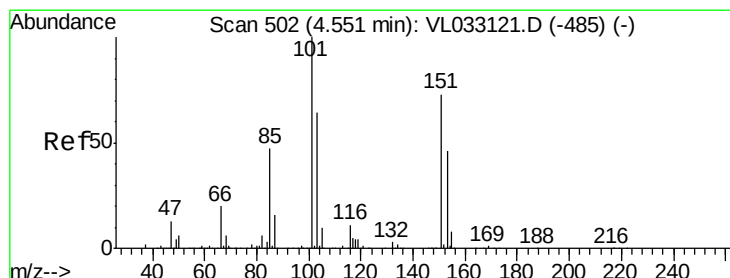
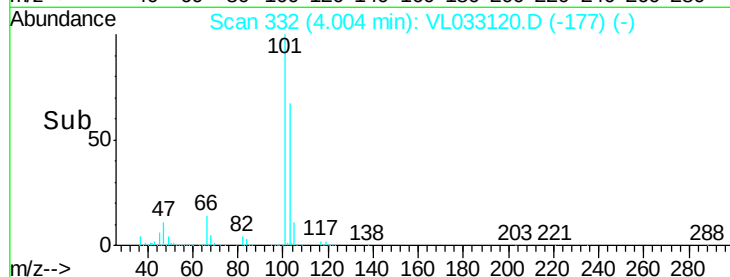
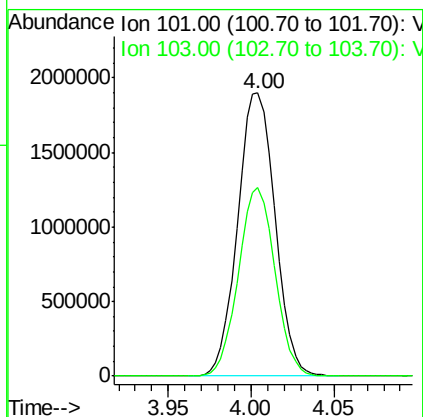
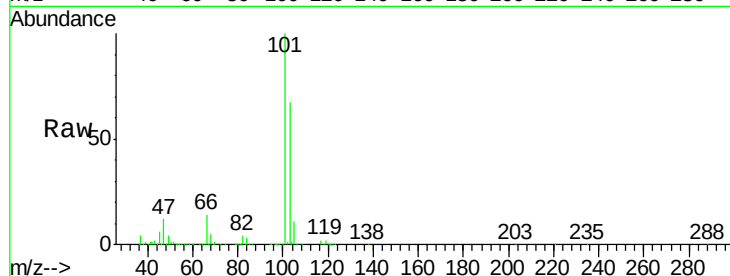
#11
 Trichlorofluoromethane
 Concen: 12.232 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 2984575
 Ion Ratio Lower Upper
 101 100
 103 66.7 49.4 74.0

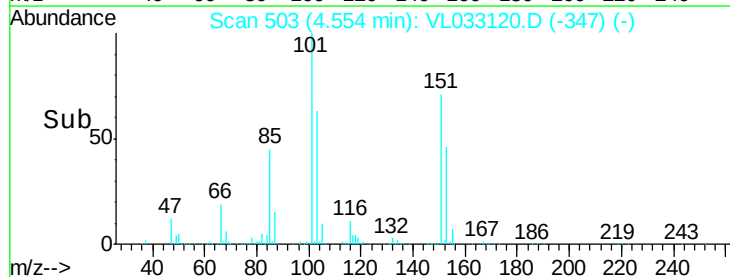
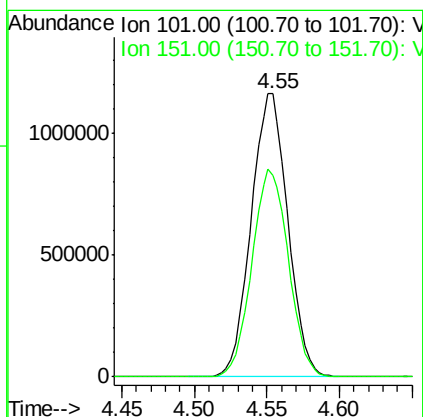
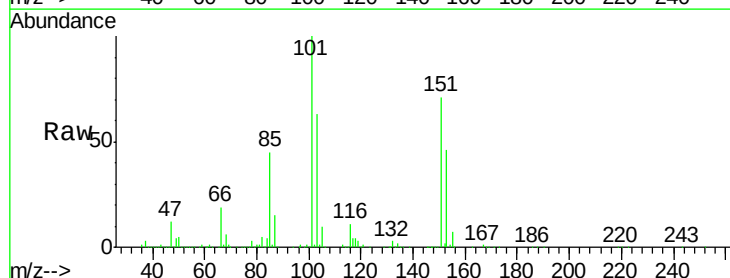
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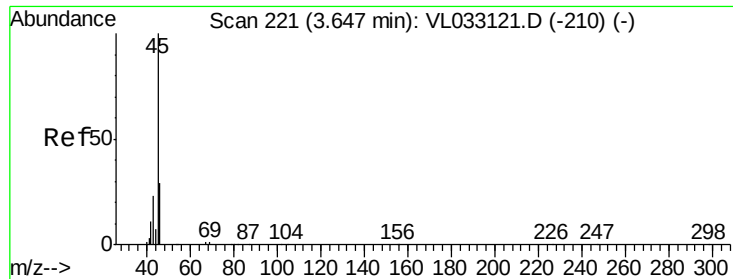
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.289 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

Tgt Ion:101 Resp: 2050361
 Ion Ratio Lower Upper
 101 100
 151 73.3 57.9 86.9





#13

Ethanol

Concen: 11.624 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampled :

VSTDIC015

Tot Ion: 45 Resp: 232585

Ion Ratio Lower Upper

45 100

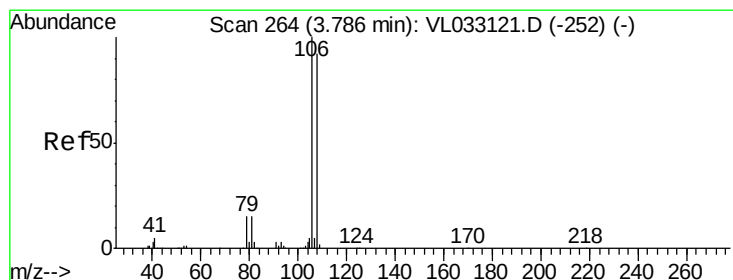
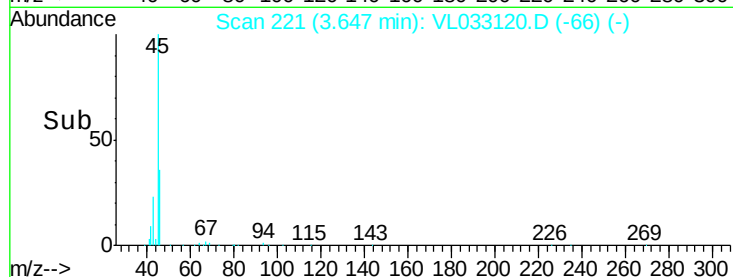
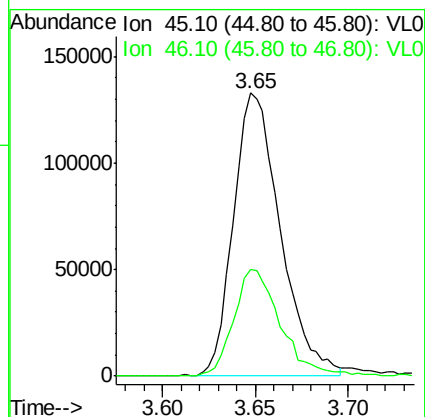
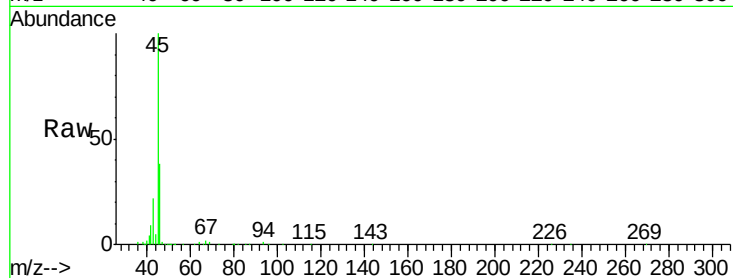
46 38.5 15.0 60.2

Manual Integrations

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apatel

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#14

Bromoethene

Concen: 14.674 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

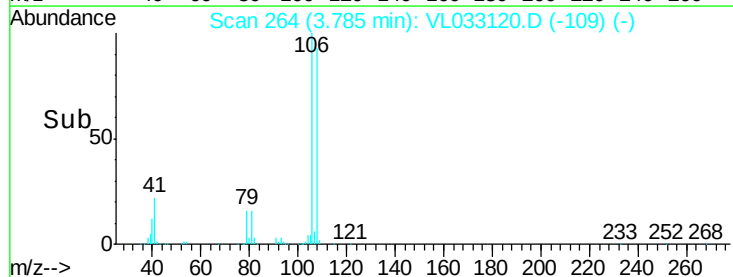
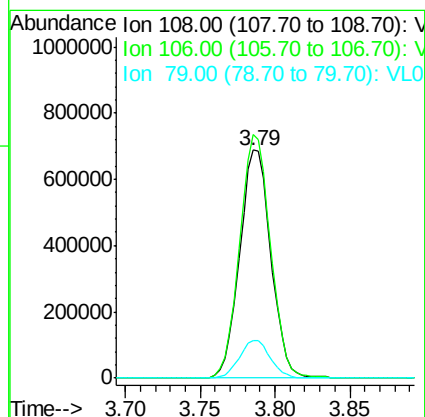
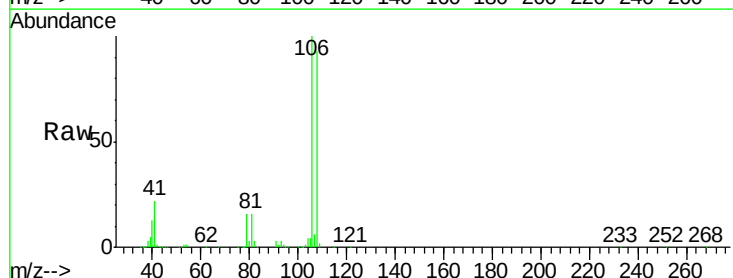
Tgt Ion: 108 Resp: 999959

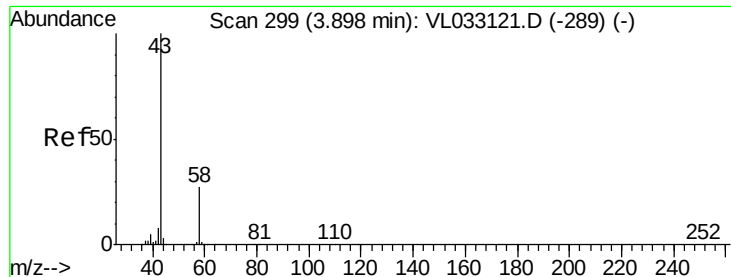
Ion Ratio Lower Upper

108 100

106 105.6 85.5 128.3

79 16.9 13.8 20.6





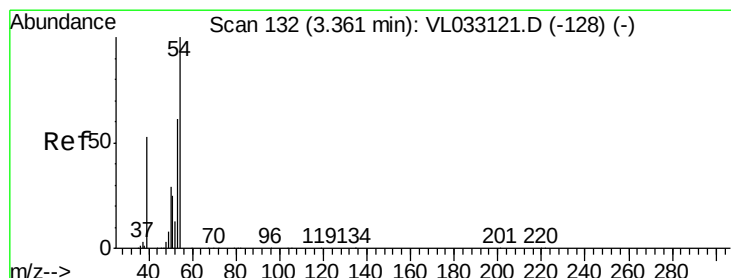
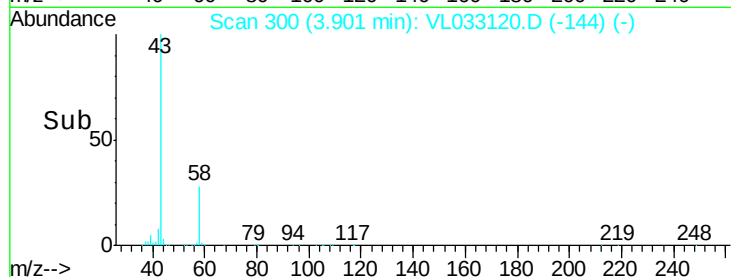
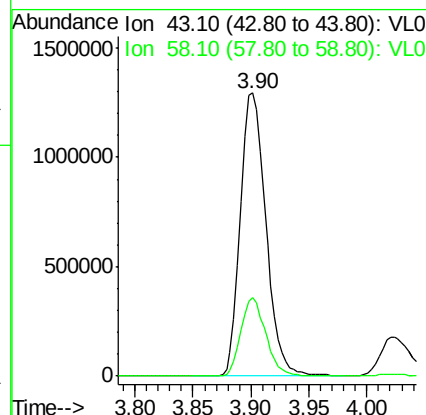
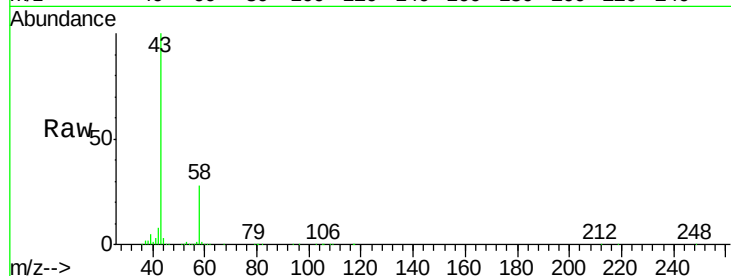
#15
Acetone
Concen: 12.040 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 1977322
Ion Ratio Lower Upper
43 100
58 26.9 21.1 31.7

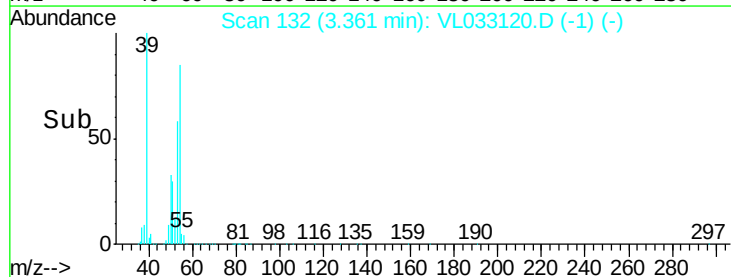
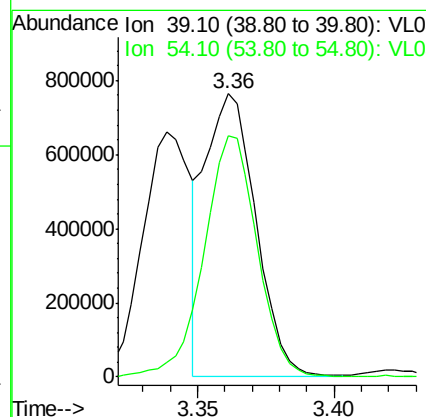
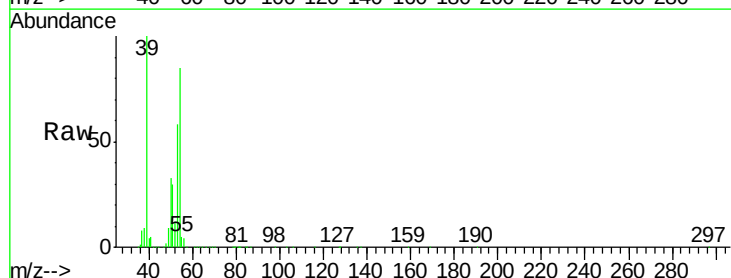
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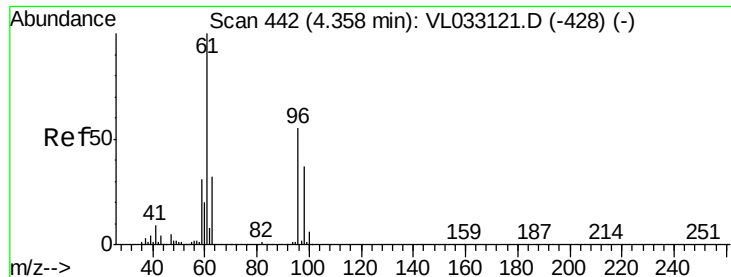
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#16
1,3-Butadiene
Concen: 15.925 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Tgt Ion: 39 Resp: 986235
Ion Ratio Lower Upper
39 100
54 90.1 80.0 120.0





#17

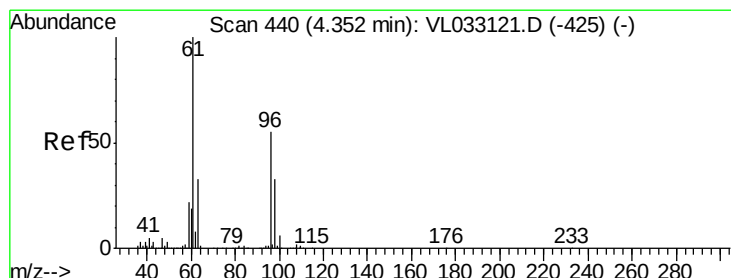
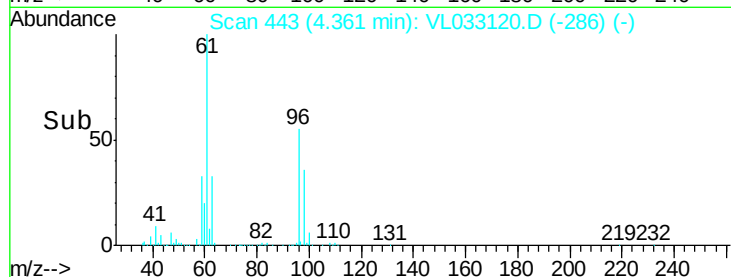
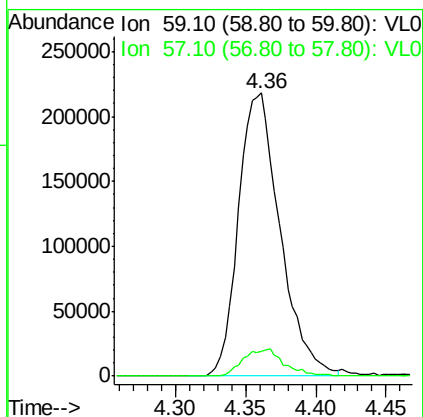
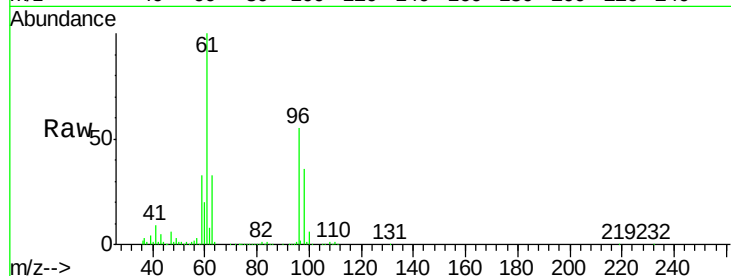
tert-Butyl alcohol
Concen: 12.971 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.01 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.4	11.2

Manual Integrations
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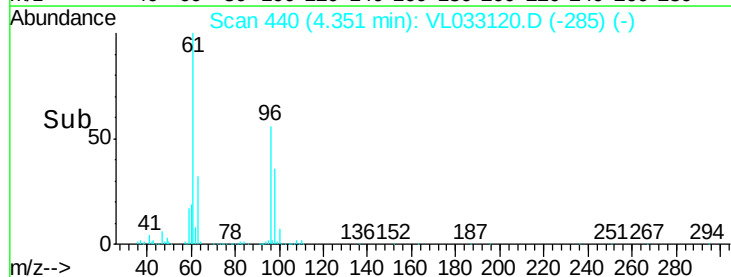
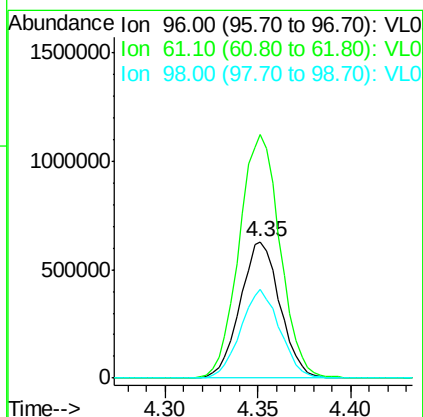
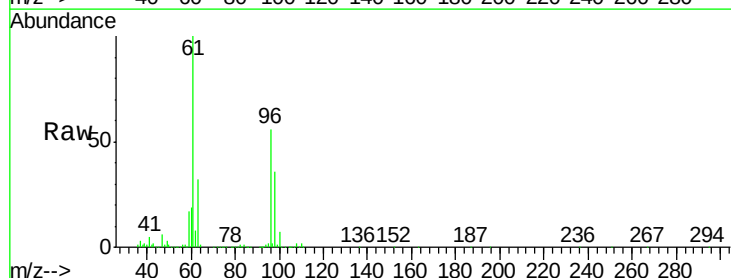
apatel
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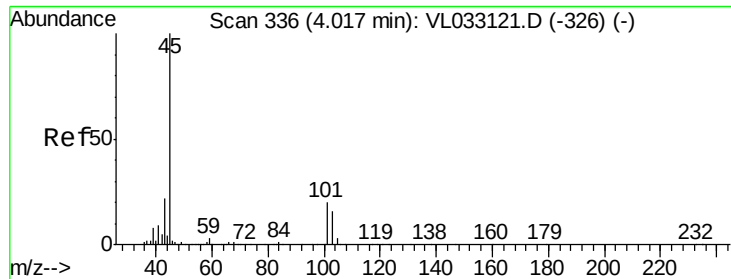


#18

1,1-Dichloroethene
Concen: 13.227 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.4	142.6	213.8
98	65.1	51.4	77.0





#19

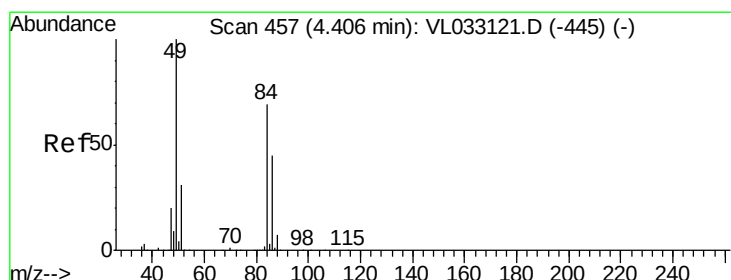
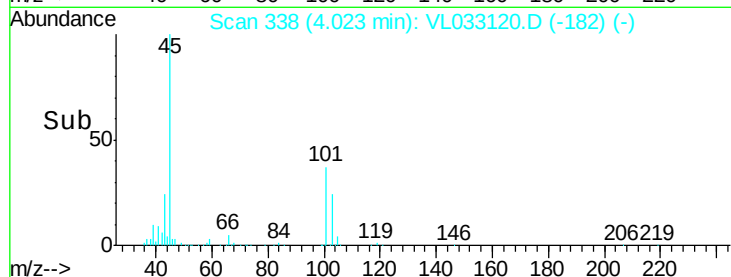
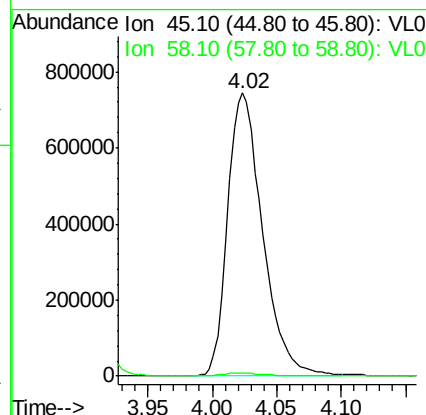
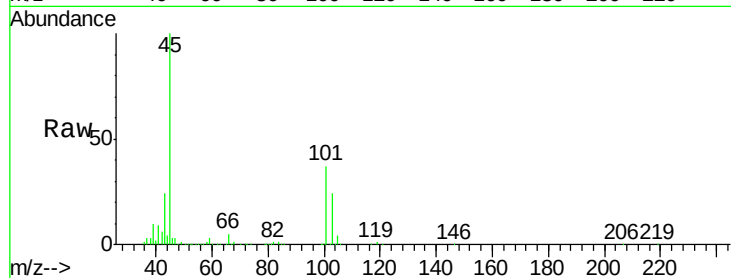
Isopropyl Alcohol
 Concen: 12.370 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. 0.00 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 45 Resp: 1398586
 Ion Ratio Lower Upper
 45 100
 58 1.6 1.4 2.2

Manual Integrations
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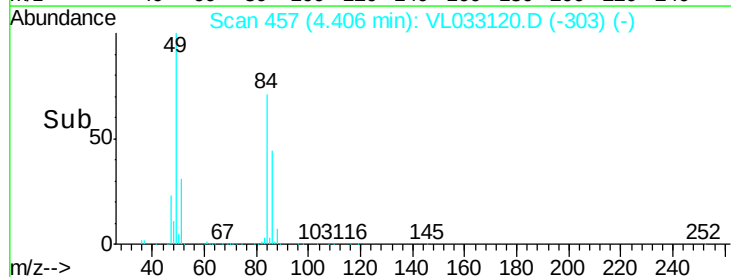
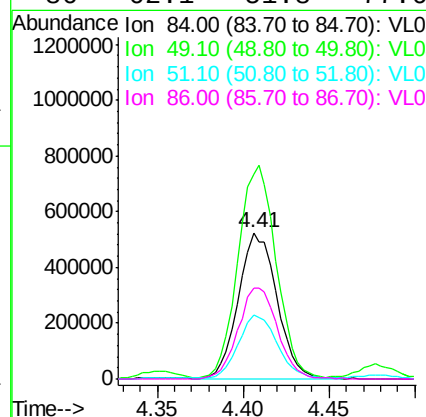
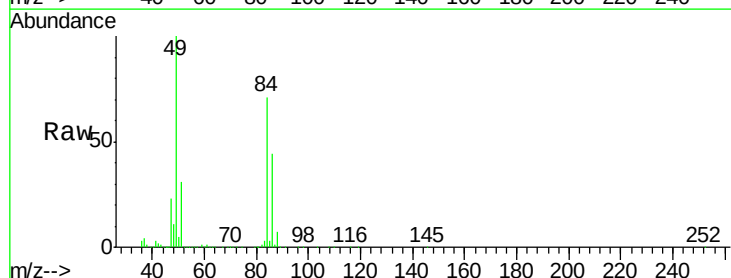
apatel
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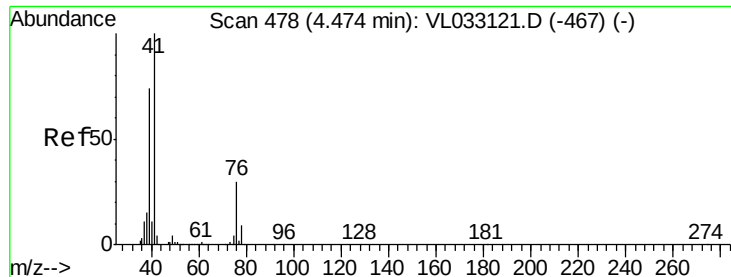


#20

Methylene Chloride
 Concen: 11.860 ppbv
 RT: 4.41 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

Tgt Ion: 84 Resp: 812034
 Ion Ratio Lower Upper
 84 100
 49 140.2 113.8 170.6
 51 43.2 34.5 51.7
 86 62.1 51.8 77.6





#21

Allvl Chloride

Concen: 14.984 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

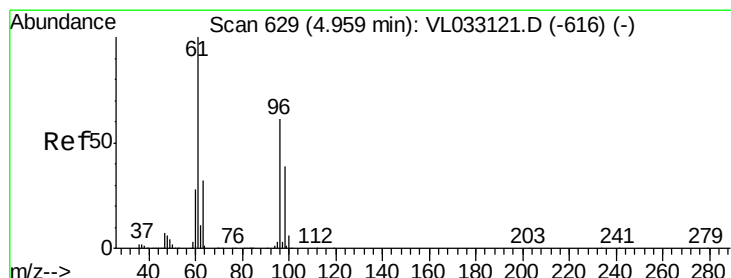
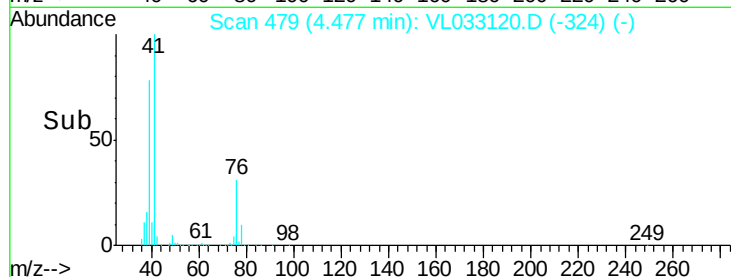
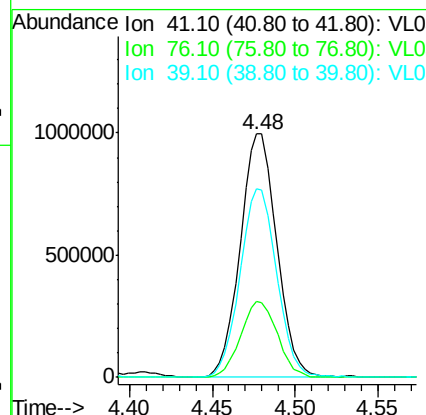
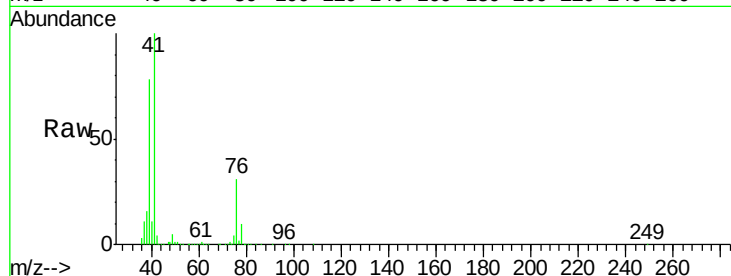
ClientSampled :

VSTDIC015

Tot Ion:	41	Resp:	1524910
Ion	Ratio	Lower	Upper
41	100		
76	31.3	24.6	37.0
39	78.1	63.3	94.9

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 14.122 ppbv

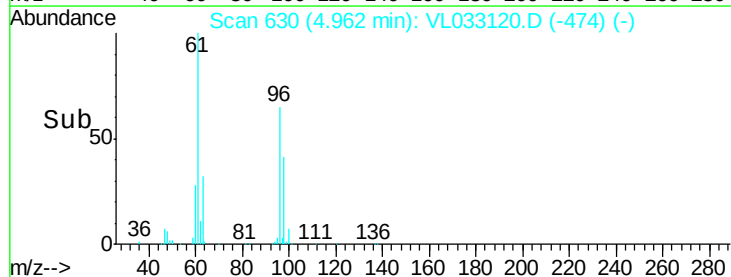
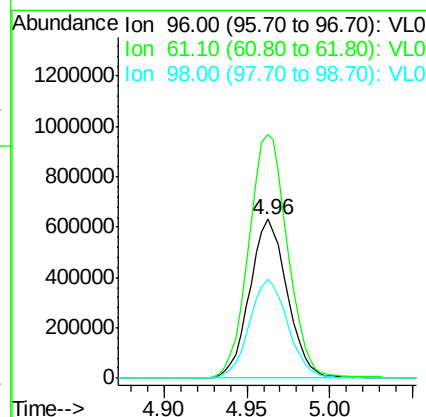
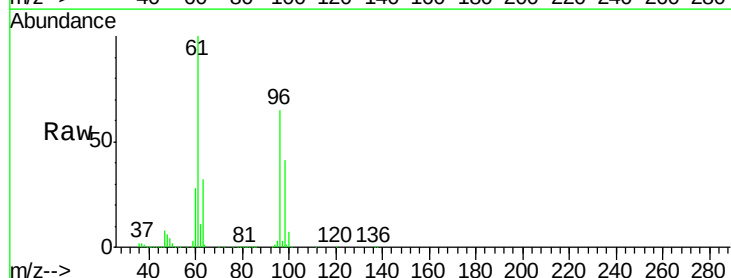
RT: 4.96 min Scan# 630

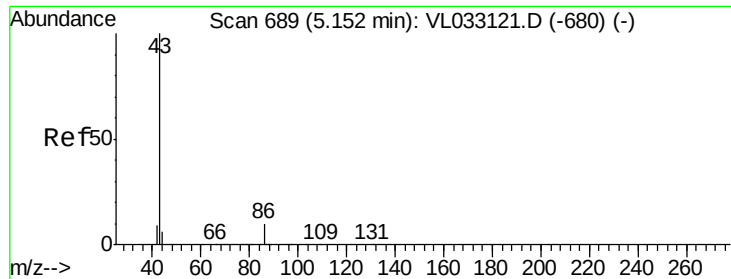
Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Tgt Ion:	96	Resp:	994835
Ion	Ratio	Lower	Upper
96	100		
61	153.6	127.6	191.4
98	62.2	48.6	73.0





#23

Vinyl Acetate

Concen: 15.143 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 3163864

Ion Ratio Lower Upper

43 100

86 8.2 6.7 10.1

42 9.7 8.1 12.1

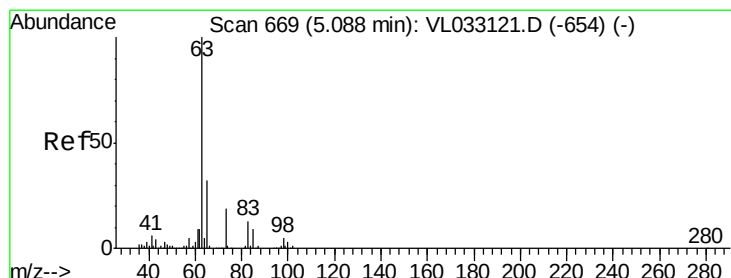
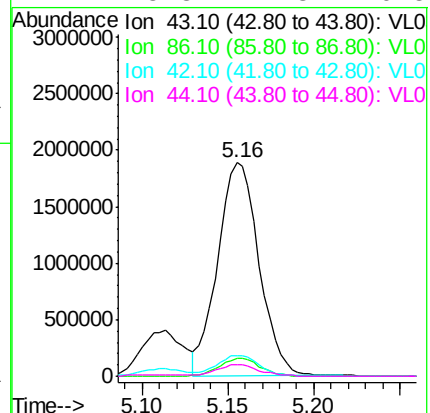
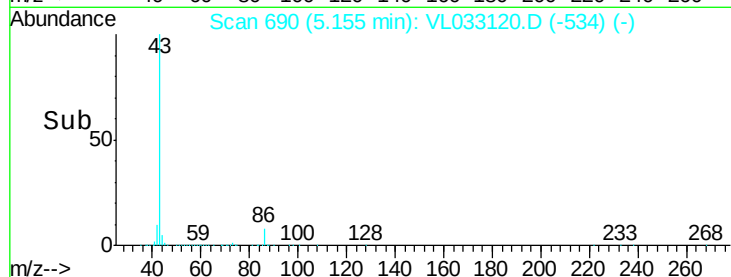
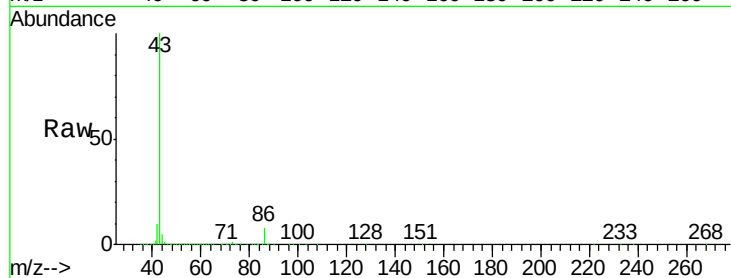
44 5.3 4.3 6.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 13.365 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

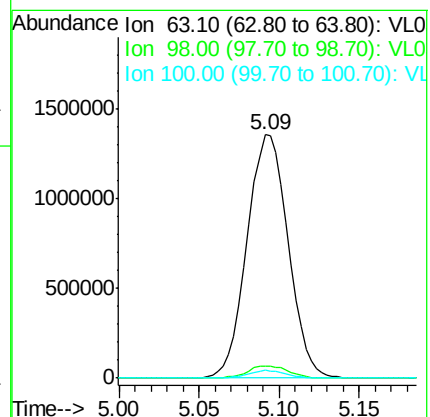
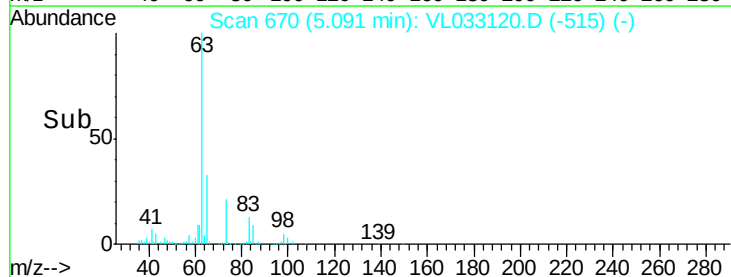
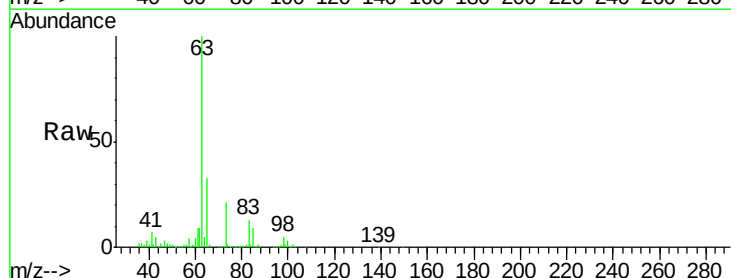
Tgt Ion: 63 Resp: 2370890

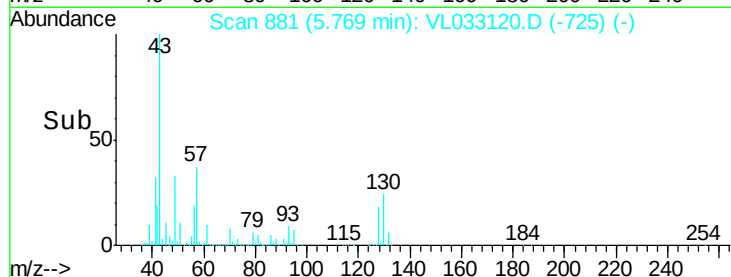
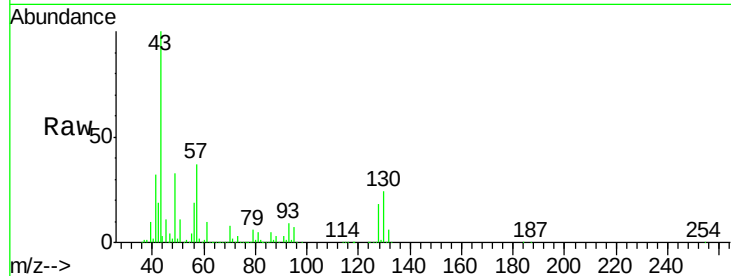
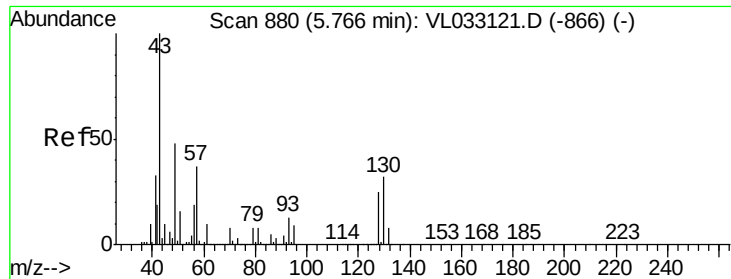
Ion Ratio Lower Upper

63 100

98 4.9 2.5 7.4

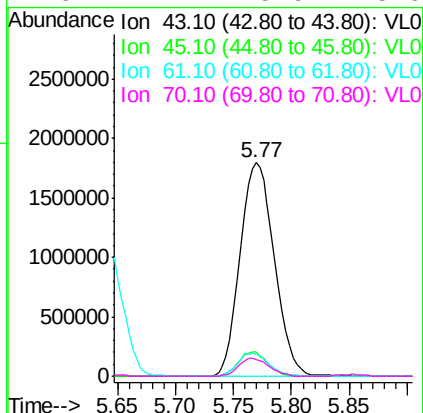
100 3.2 1.4 4.2





#25
Ethyl Acetate
Concen: 13.248 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

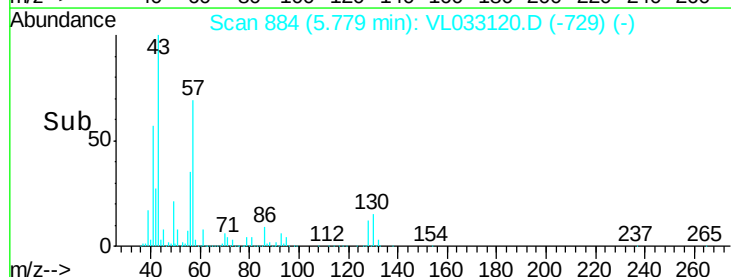
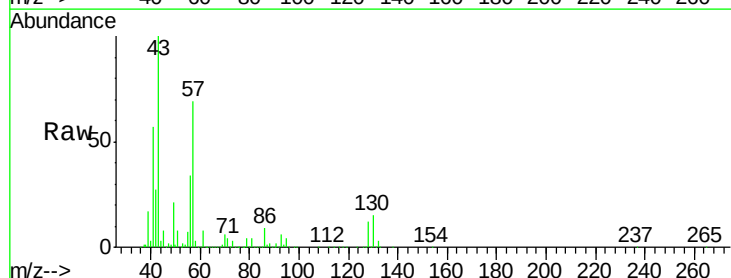
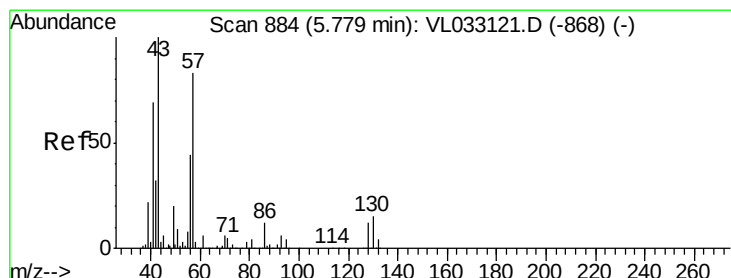
Tot Ion	43	Resp	3677742
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.8	7.6	11.4
70	7.4	5.9	8.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

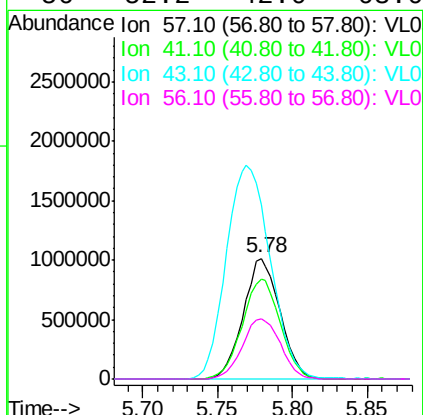
Manual Integrations
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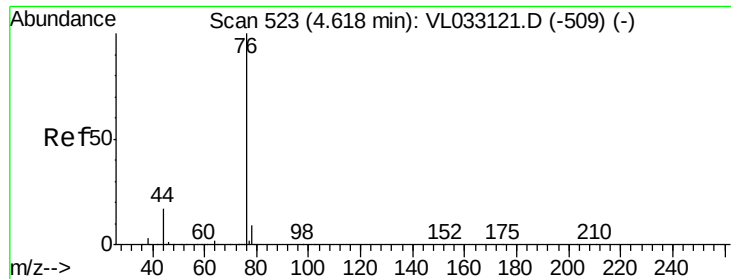
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#26
Hexane
Concen: 13.224 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Tgt Ion	57	Resp	1728587
Ion	Ratio	Lower	Upper
57	100		
41	85.6	69.9	104.9
43	213.2	169.0	253.4
56	52.2	42.0	63.0





#27

Carbon Disulfide

Concen: 15.453 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 2491109

Ion Ratio Lower Upper

76 100

44 18.1 15.0 22.4

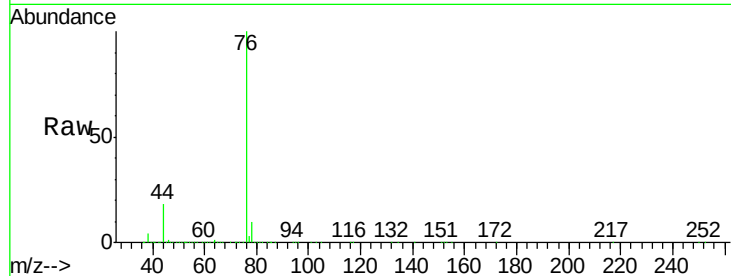
78 9.3 7.6 11.4

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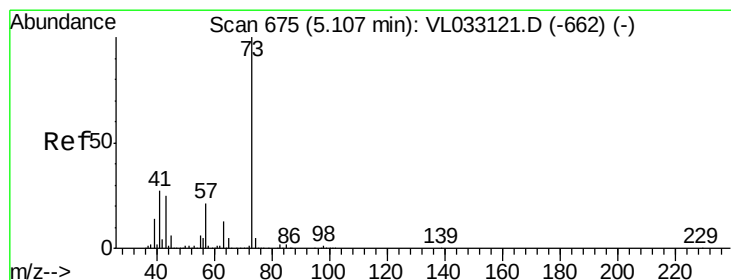
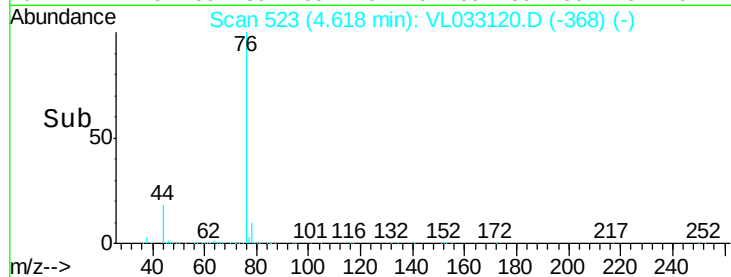
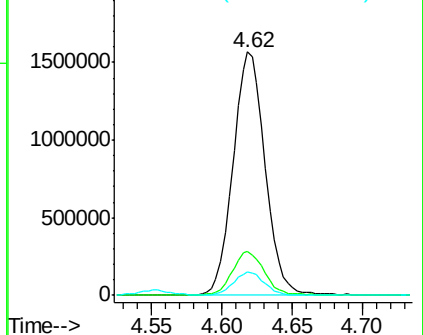
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 14.537 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL033120.D

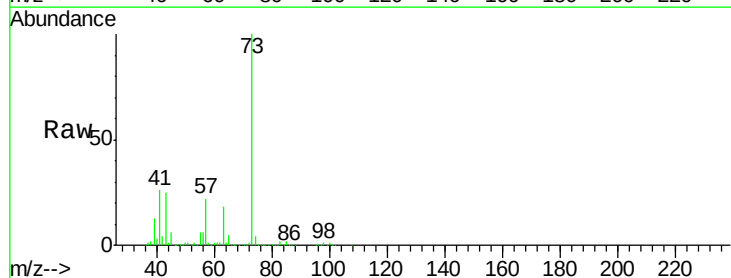
Acq: 28 Jan 2019 20:09

Tgt Ion: 73 Resp: 2965997

Ion Ratio Lower Upper

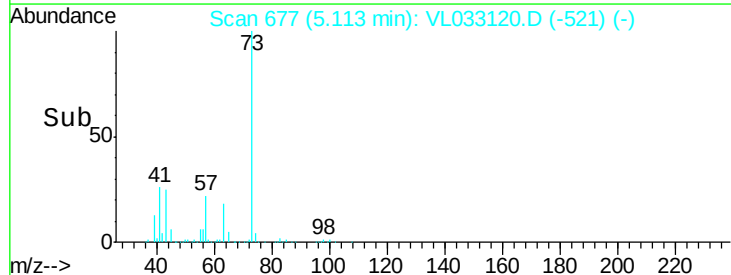
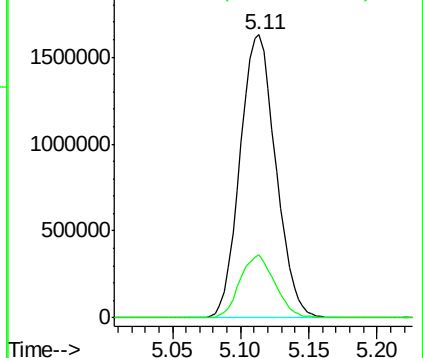
73 100

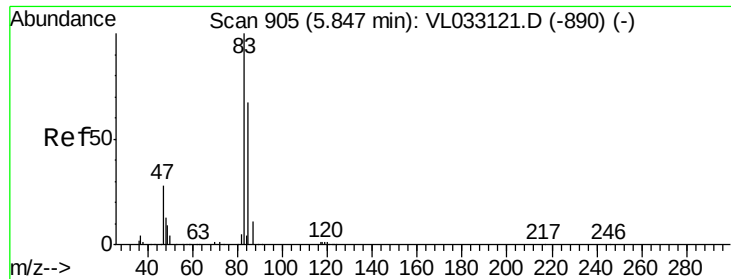
57 22.1 17.6 26.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





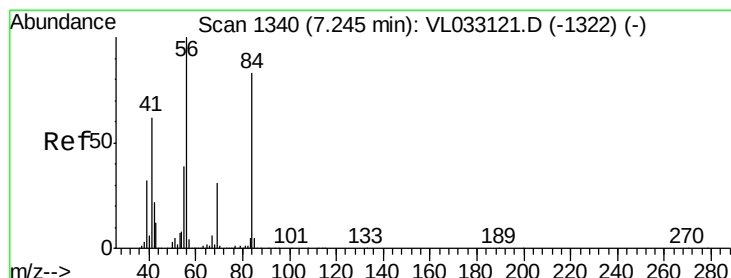
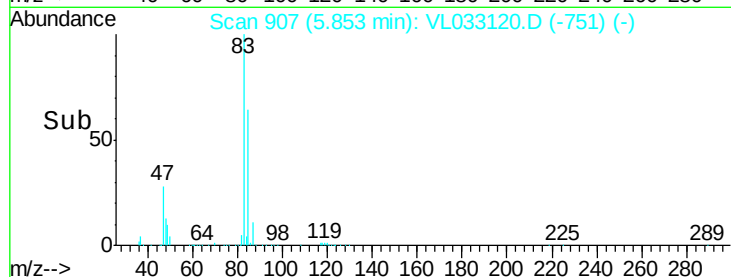
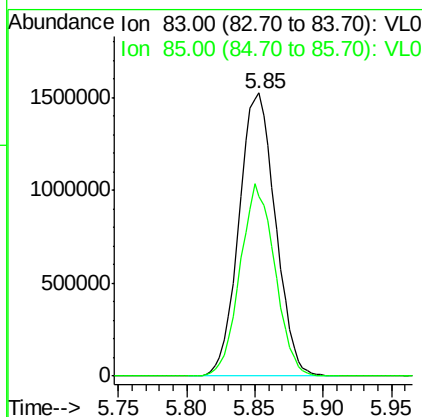
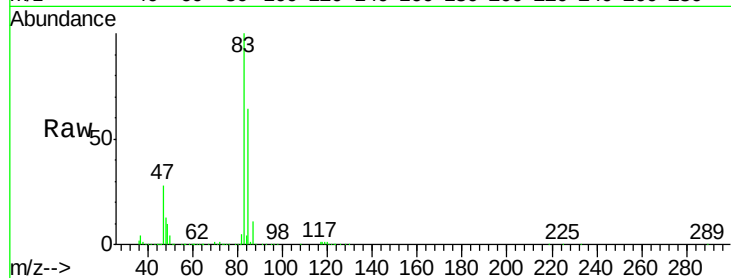
#29
Chloroform
Concen: 12.714 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 2832234
Ion Ratio Lower Upper
83 100
85 63.6 50.4 75.6

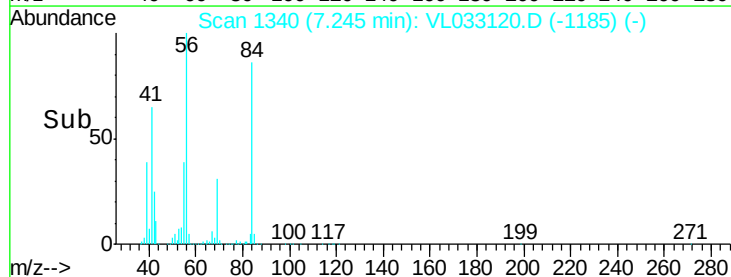
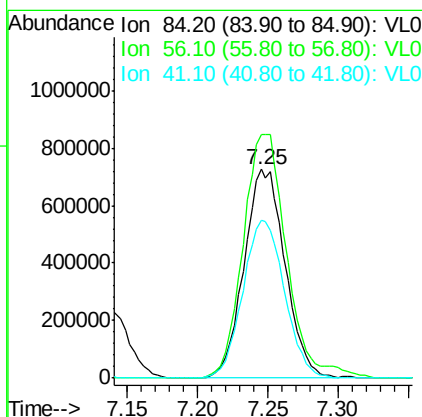
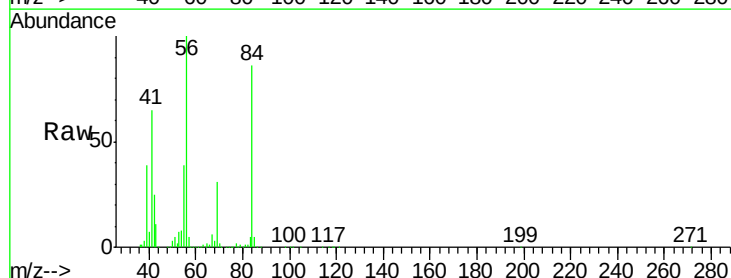
Manual Integrations
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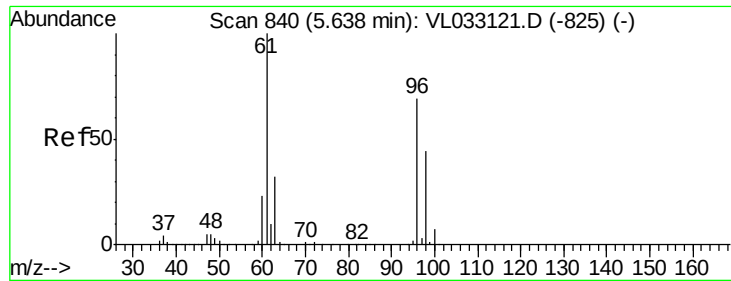
apatel
1/29/2019 2:36:27 PM



#30
Cyclohexane
Concen: 15.149 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Tgt Ion: 84 Resp: 1476436
Ion Ratio Lower Upper
84 100
56 124.3 102.4 153.6
41 77.1 62.7 94.1





#31

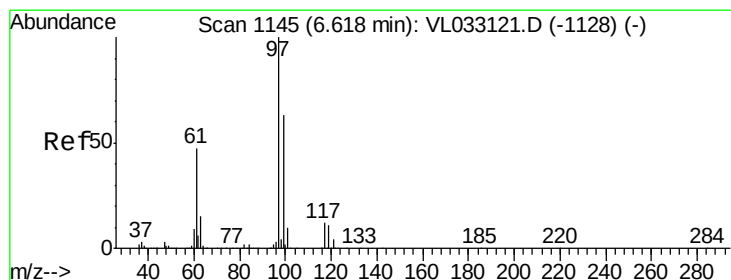
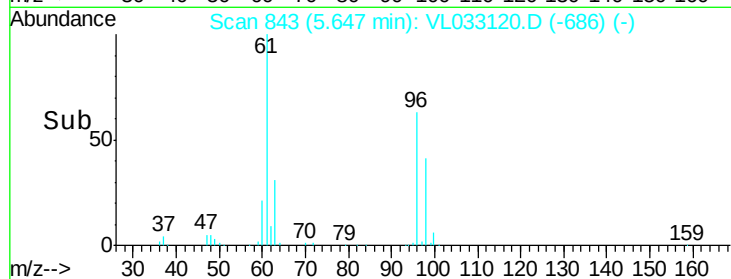
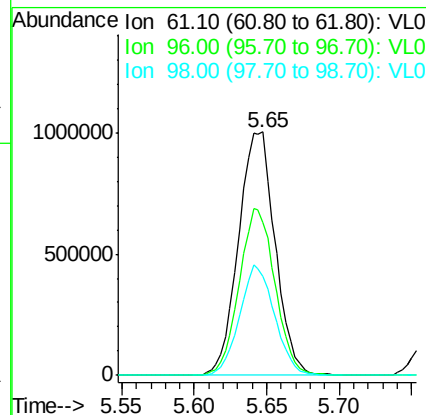
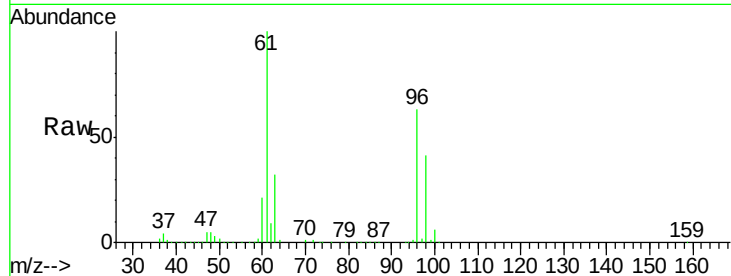
cis-1,2-Dichloroethene
Concen: 14.478 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.01 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.8	57.6	86.4
98	40.6	37.0	55.4

Manual Integrations
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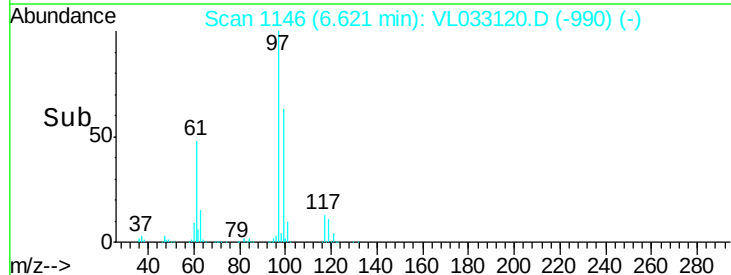
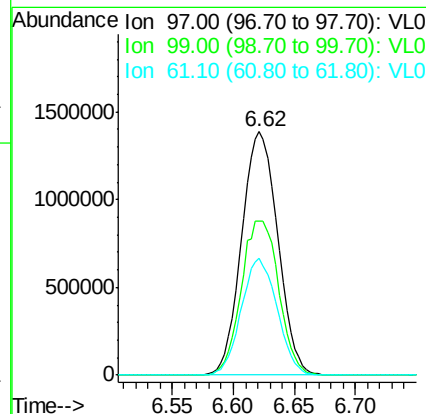
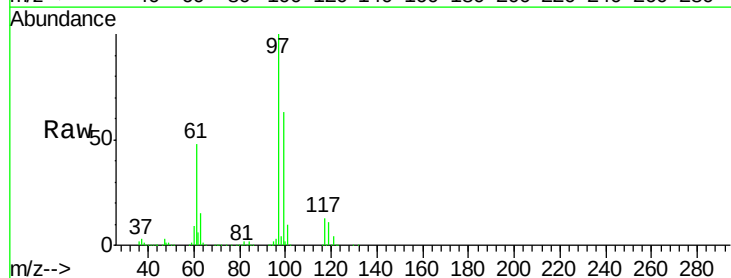
apatel
1/29/2019 2:36:27 PM

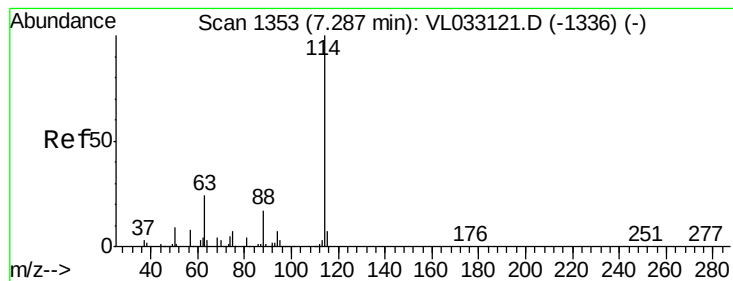


#32

1,1,1-Trichloroethane
Concen: 12.577 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.7	77.5
61	47.6	38.6	57.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:114 Resp: 3020843

Ion Ratio Lower Upper

114 100

63 24.4 19.8 29.8

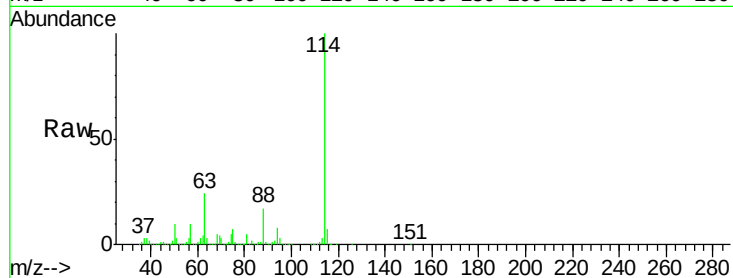
88 17.4 14.2 21.2

Manual Integrations

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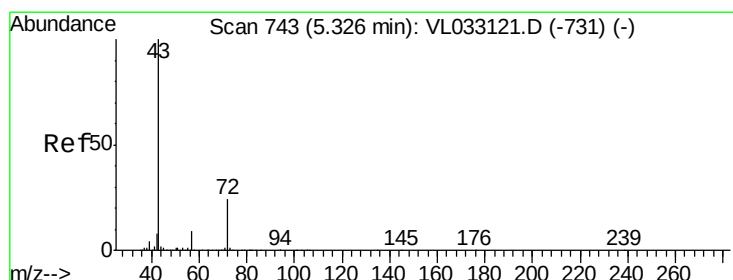
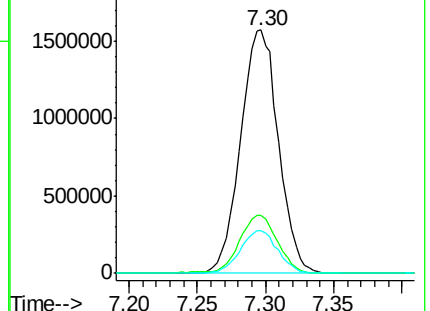
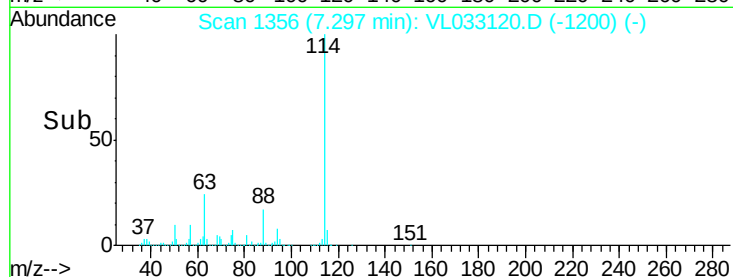
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 13.186 ppbv

RT: 5.33 min Scan# 743

Delta R.T. -0.00 min

Lab File: VL033120.D

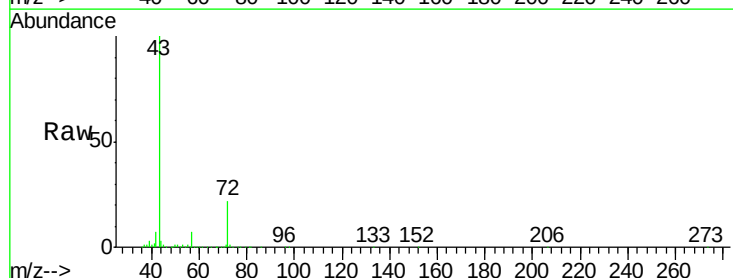
Acq: 28 Jan 2019 20:09

Tgt Ion: 43 Resp: 2314462

Ion Ratio Lower Upper

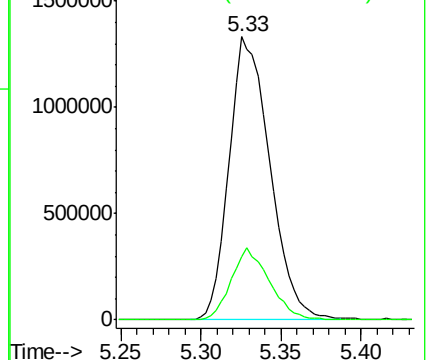
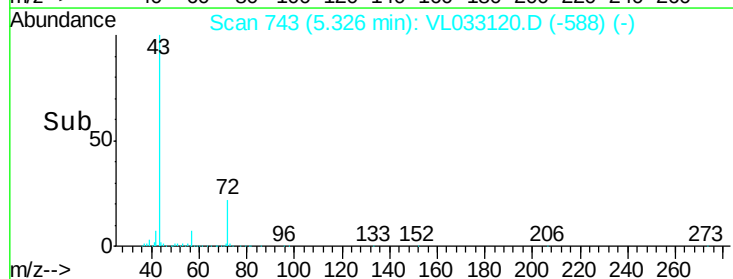
43 100

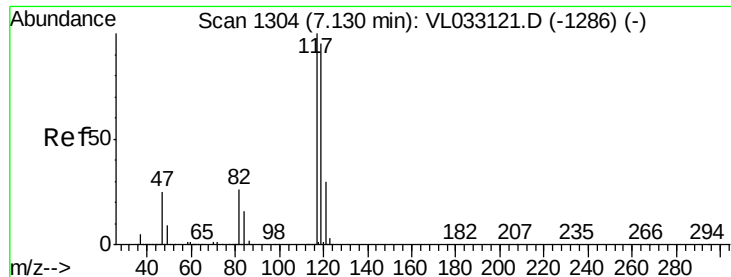
72 23.8 18.7 28.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.905 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 3089003

Ion Ratio Lower Upper

117 100

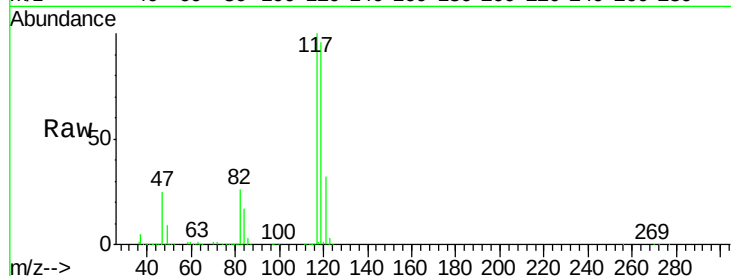
119 95.6 75.8 113.6

121 31.7 24.6 36.8

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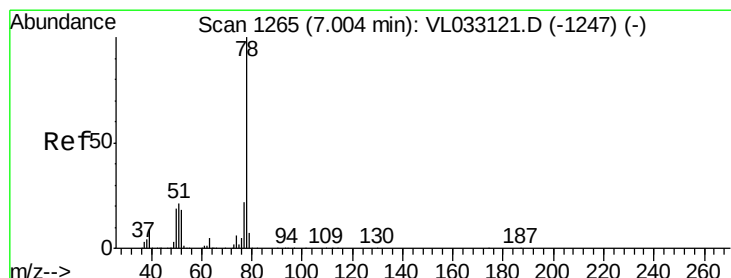
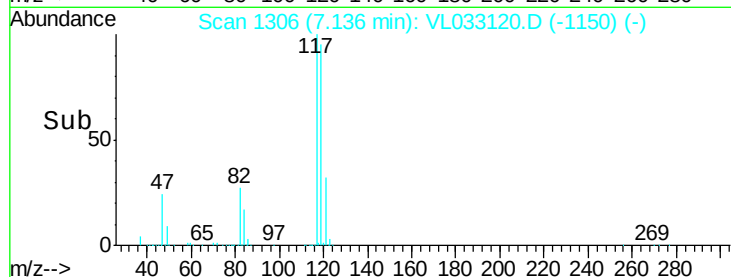
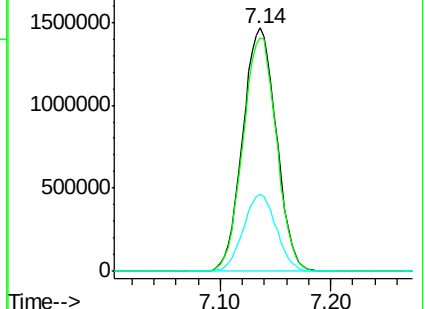
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 13.954 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

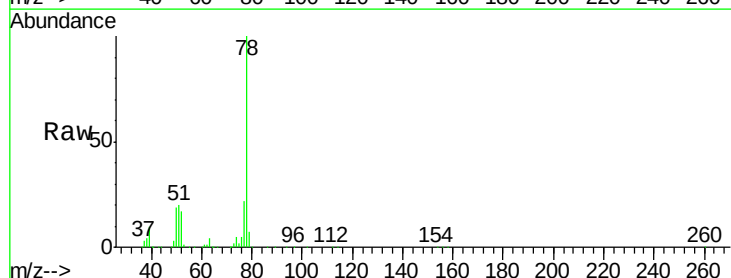
Tgt Ion: 78 Resp: 3453030

Ion Ratio Lower Upper

78 100

77 22.0 18.5 27.7

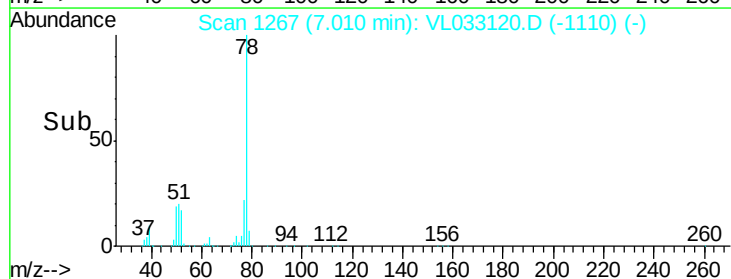
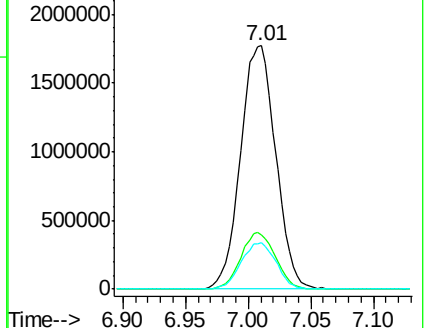
50 19.3 15.4 23.2

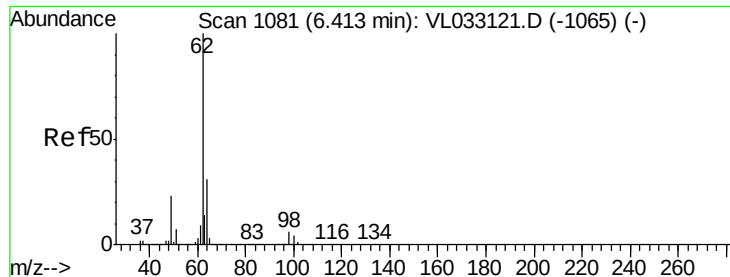


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 12.069 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 2085169

Ion Ratio Lower Upper

62 100

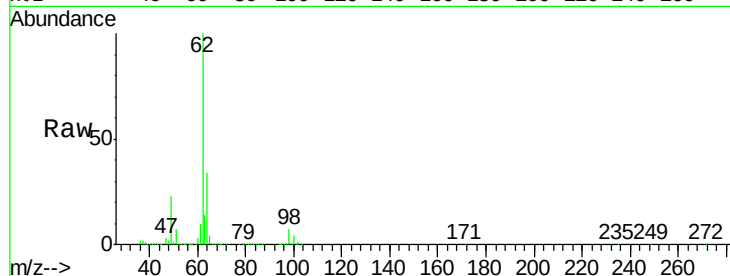
98 6.1 4.6 7.0

Manual Integrations

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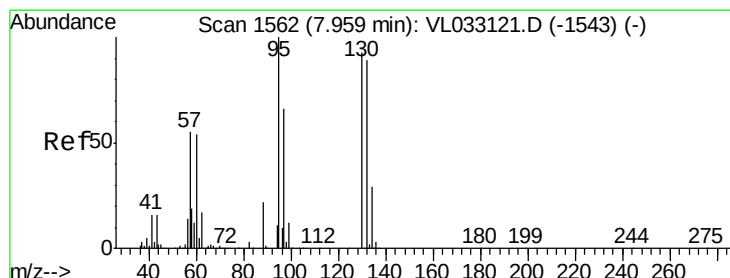
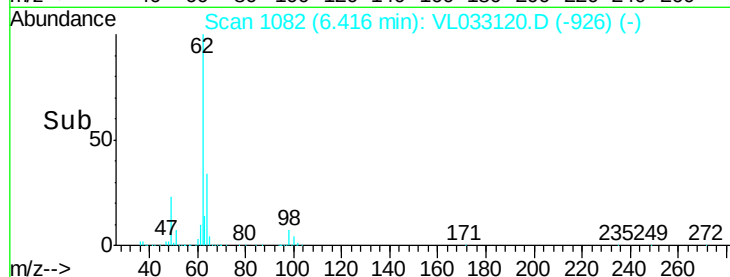
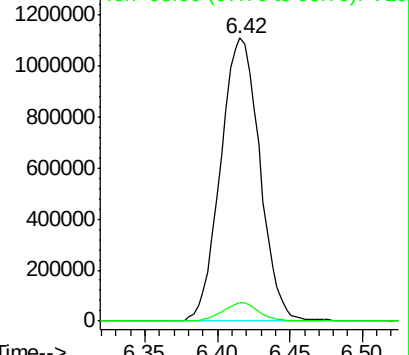
apatel

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 13.575 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Tgt Ion: 130 Resp: 1381902

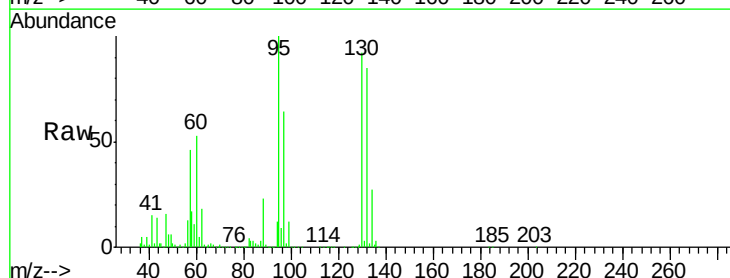
Ion Ratio Lower Upper

130 100

95 109.1 94.0 141.0

132 93.2 79.7 119.5

97 70.2 58.4 87.6

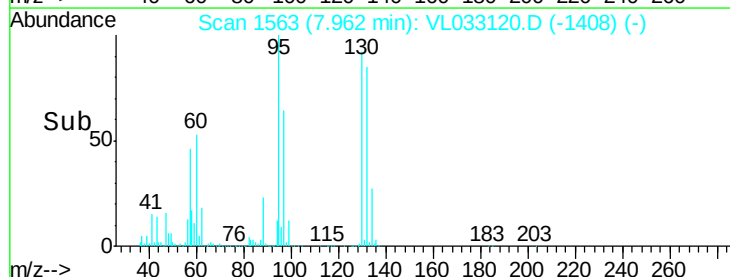
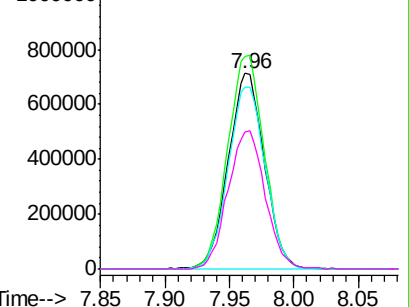


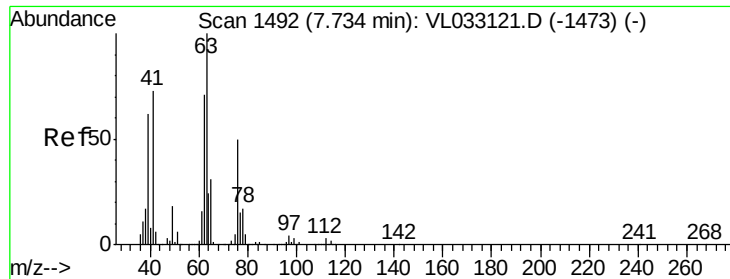
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 13.444 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 63 Resp: 1249718

Ion Ratio Lower Upper

63 100

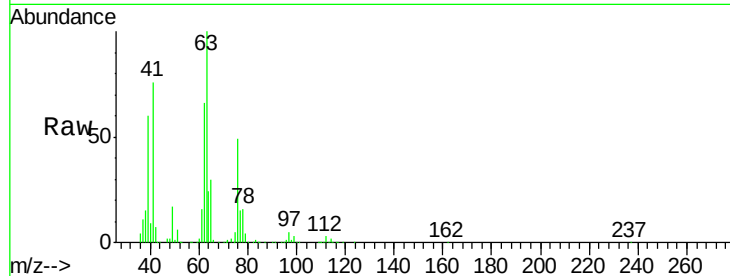
41 75.5 57.8 86.8

62 66.3 54.6 82.0

Manual Integrations
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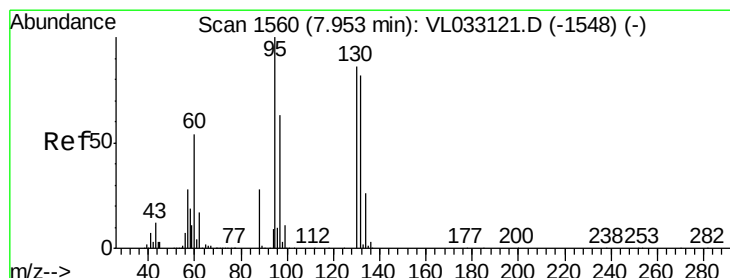
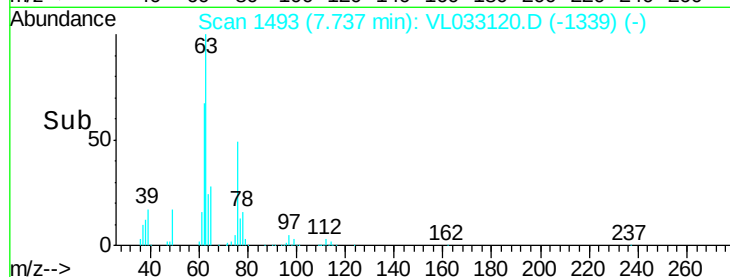
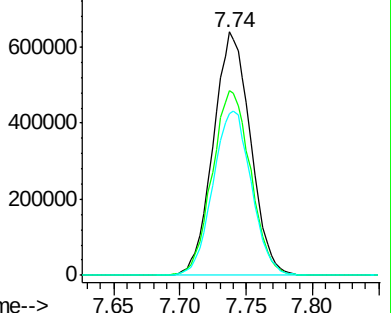
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 13.573 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Tgt Ion: 88 Resp: 478952

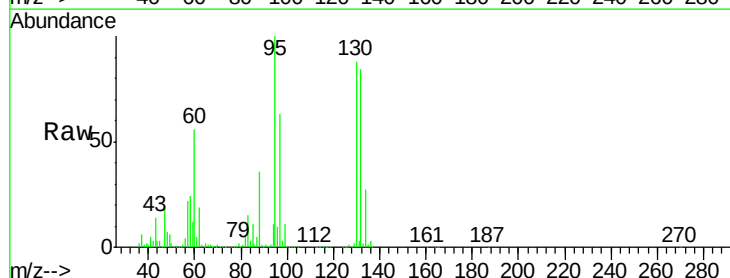
Ion Ratio Lower Upper

88 100

58 123.9 103.5 155.3

43 256.6 217.8 326.8

57 1163.6 992.7 1489.1

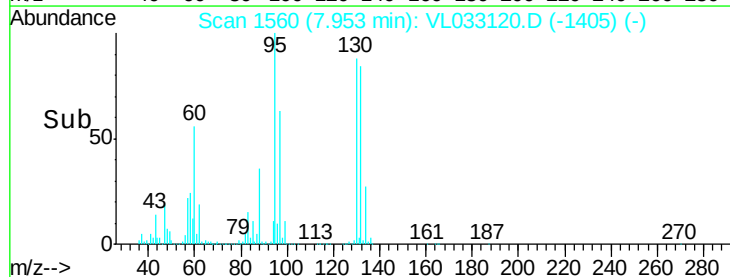
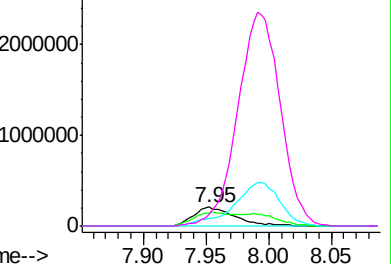


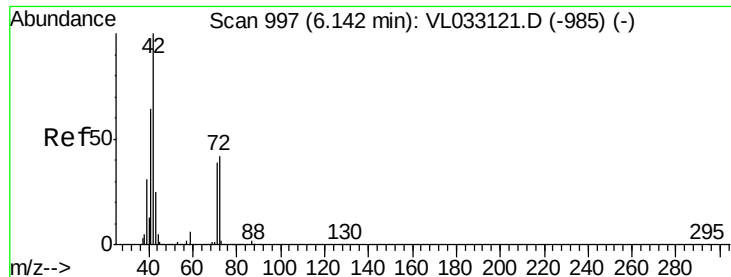
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 15.028 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

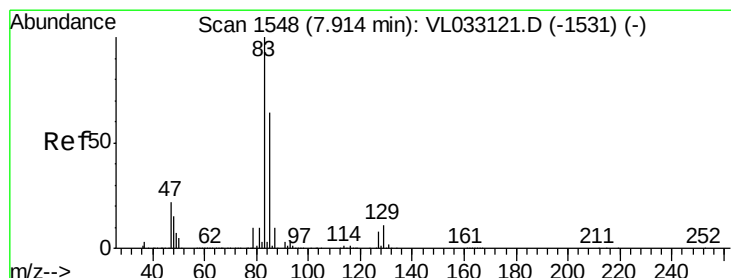
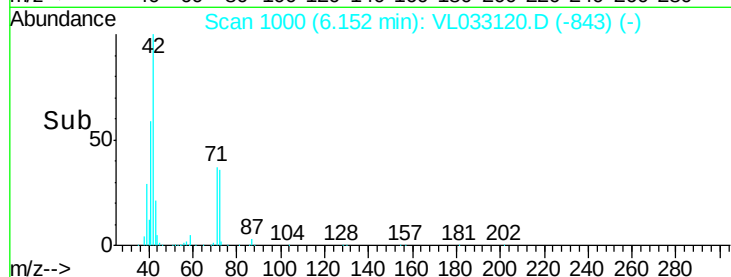
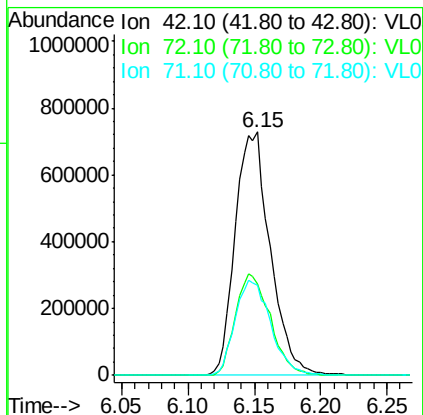
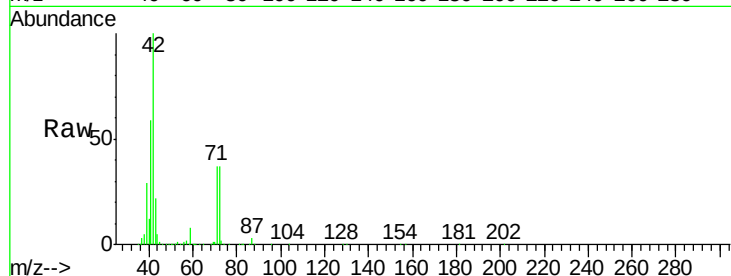
ClientSampleId :

VSTDIC015

Tot Ion:	42	Resp:	1342543
Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.8	50.8
71	39.9	31.6	47.4

Manual Integrations
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#42

Bromodichloromethane

Concen: 12.603 ppbv

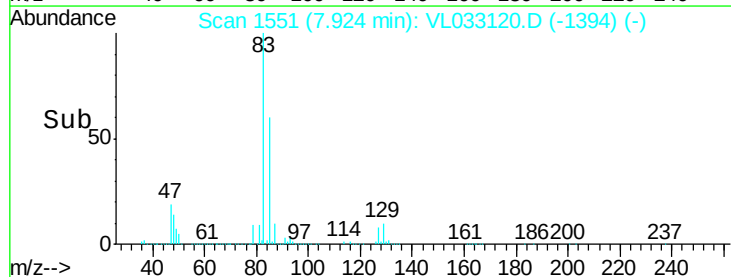
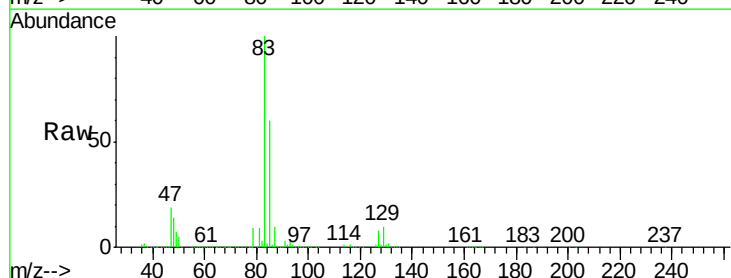
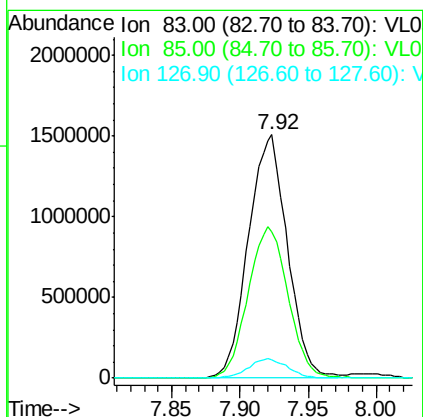
RT: 7.92 min Scan# 1551

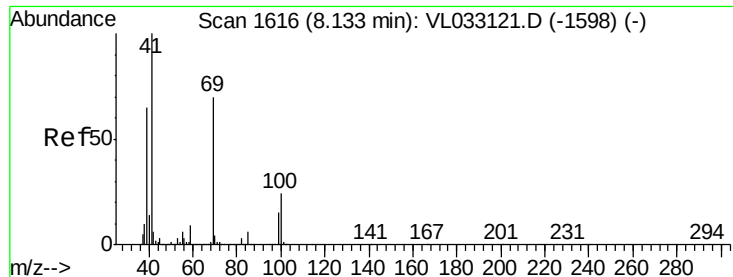
Delta R.T. 0.01 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Tgt Ion:	83	Resp:	2991171
Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.9	79.3
127	7.8	6.7	10.1





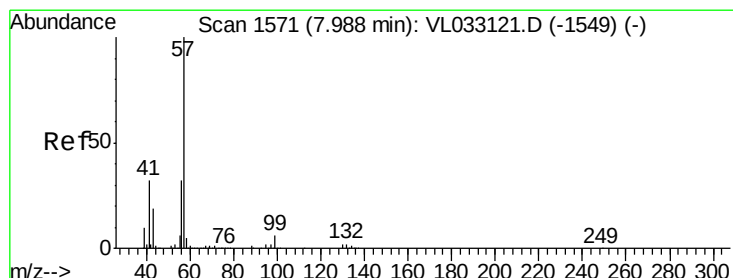
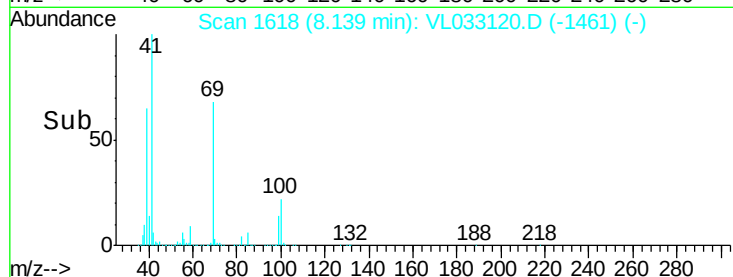
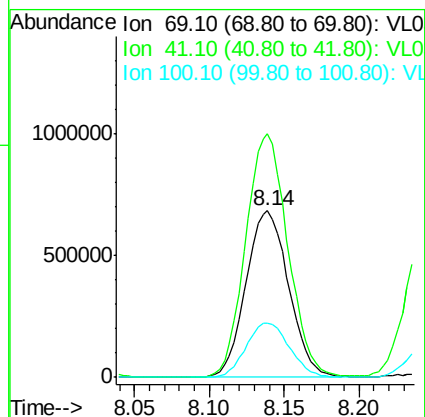
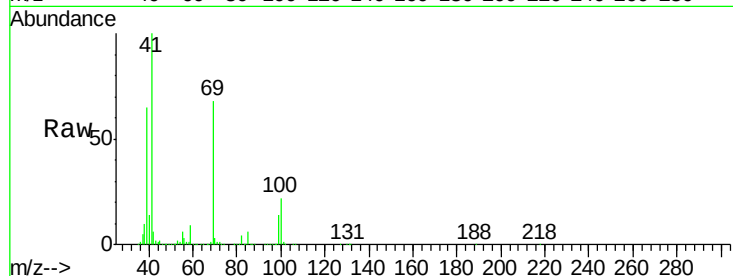
#43
Methyl Methacrylate
Concen: 14.636 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 69 Resp: 1358981
Ion Ratio Lower Upper
69 100
41 144.0 113.9 170.9
100 33.2 26.2 39.4

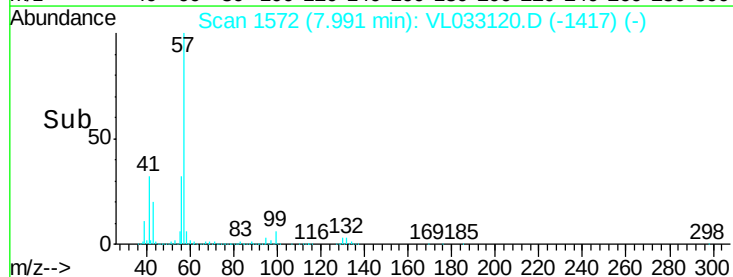
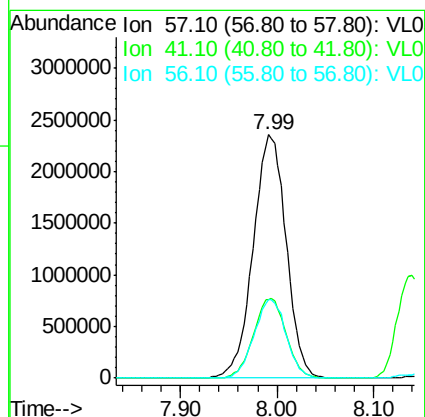
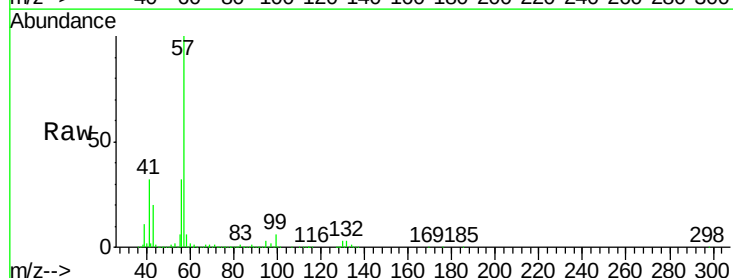
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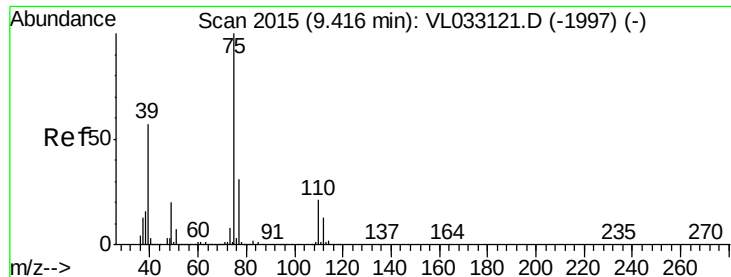
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#44
2,2,4-Trimethylpentane
Concen: 13.286 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Tgt Ion: 57 Resp: 5567742
Ion Ratio Lower Upper
57 100
41 32.4 26.1 39.1
56 31.4 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 16.788 ppbv m

RT: 9.42 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampled :

VSTDIC015

Tot Ion: 75 Resp: 1940339

Ion Ratio Lower Upper

75 100

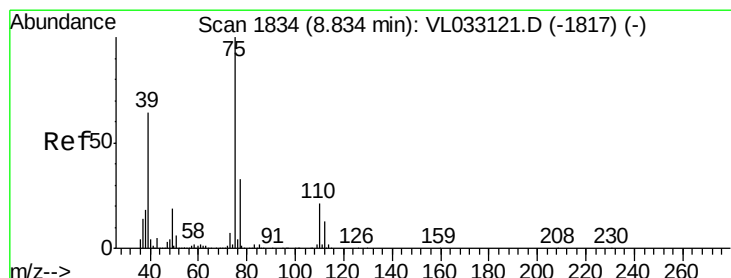
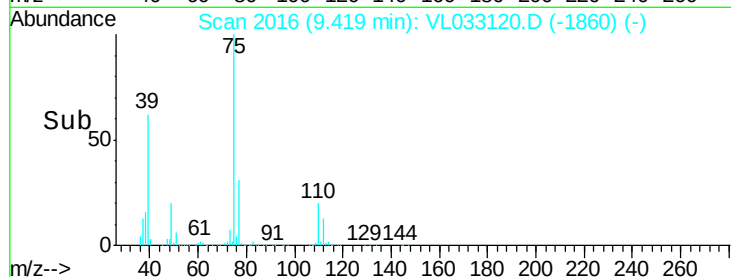
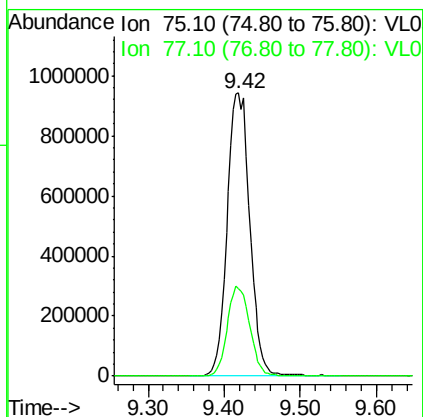
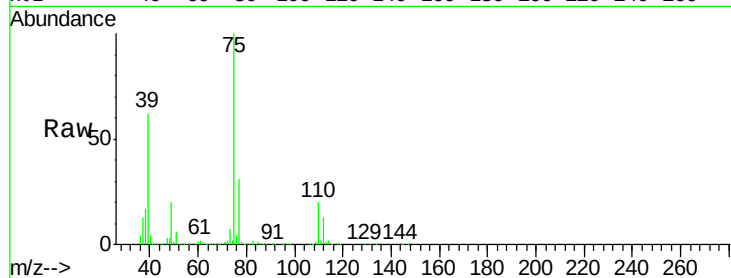
77 31.0 24.9 37.3

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#46

cis-1,3-Dichloropropene

Concen: 16.327 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

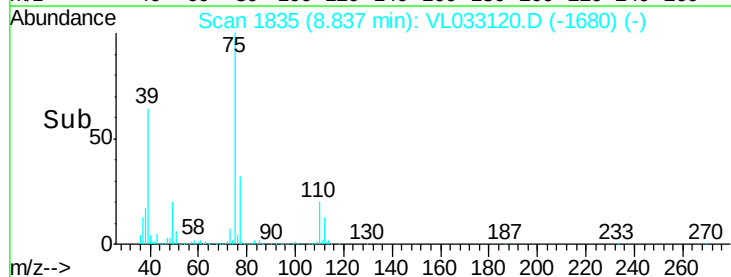
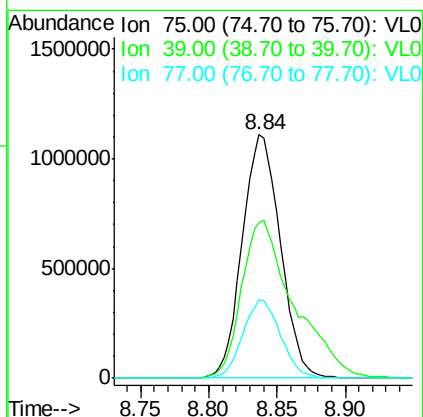
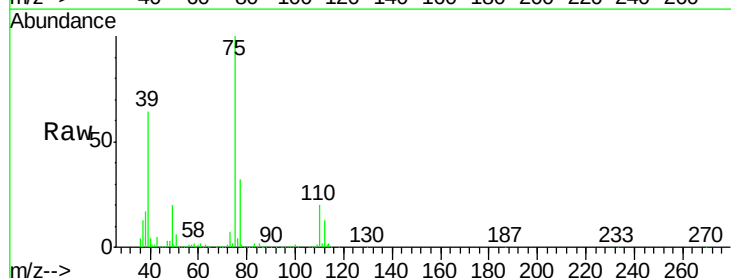
Tgt Ion: 75 Resp: 2153848

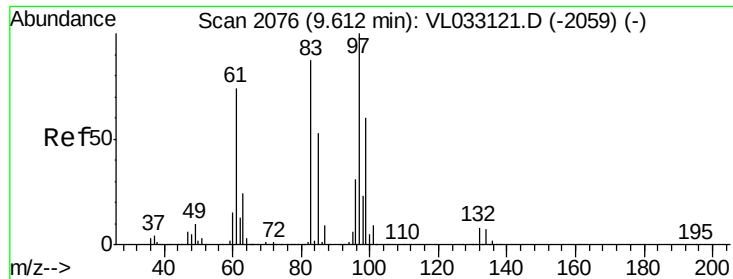
Ion Ratio Lower Upper

75 100

39 63.6 52.0 78.0

77 32.1 25.5 38.3





#47
 1,1,2-Trichloroethane
 Concen: 13.014 ppbv
 RT: 9.61 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

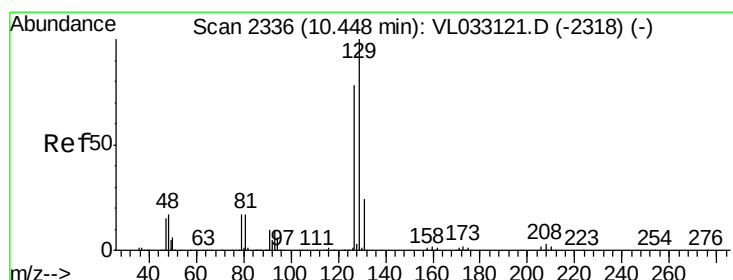
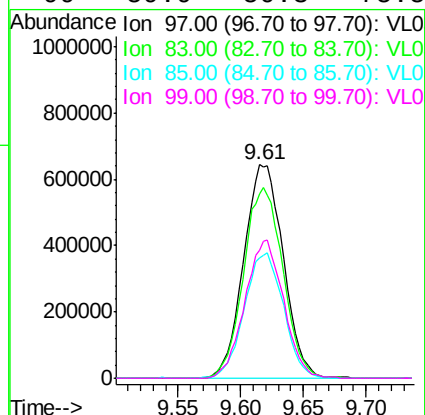
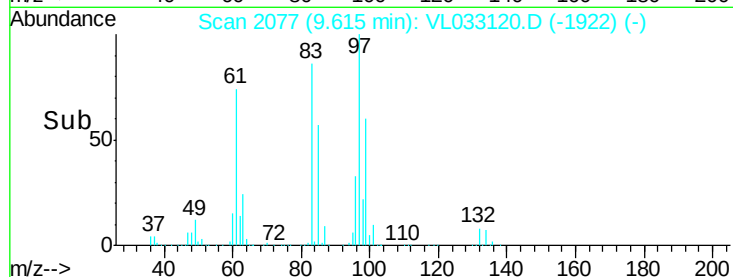
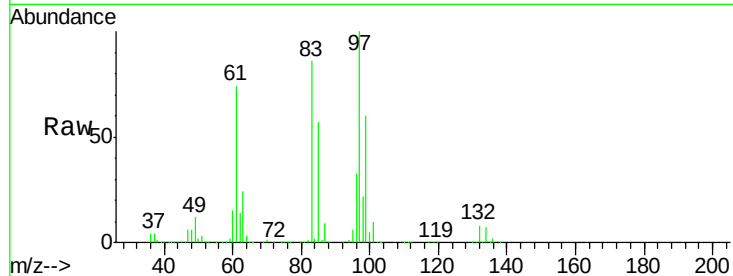
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 97 Resp: 1413418

Ion	Ratio	Lower	Upper
97	100		
83	86.1	71.4	107.2
85	56.5	47.2	70.8
99	59.9	50.3	75.5

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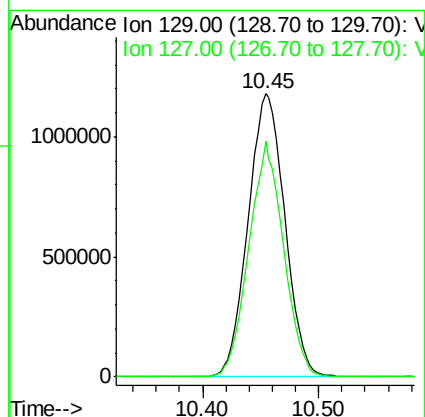
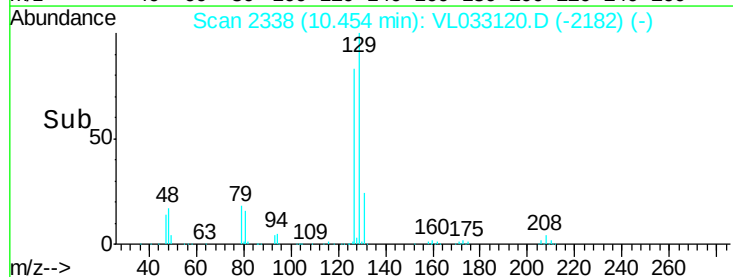
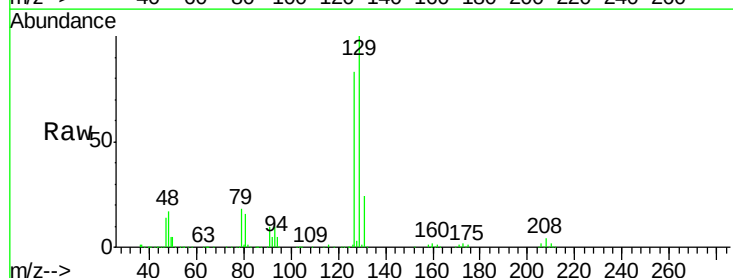
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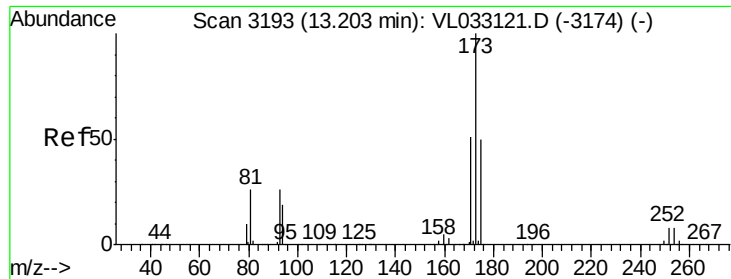


#48
 Dibromochloromethane
 Concen: 13.580 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. 0.00 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

Tgt Ion: 129 Resp: 2605812

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9





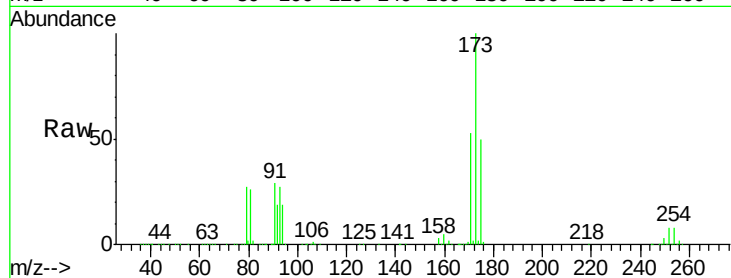
#49
Bromoform
Concen: 13.208 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. 0.01 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

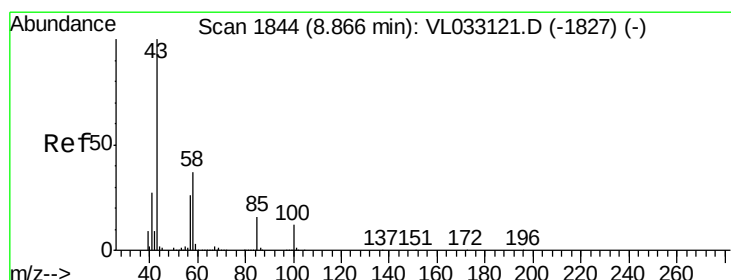
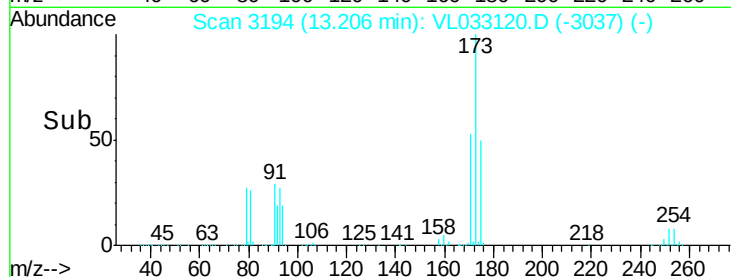
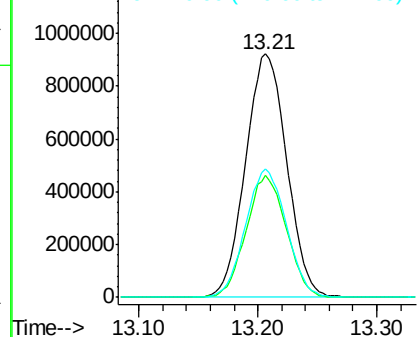
Tot Ion:173 Resp: 2214404
Ion Ratio Lower Upper
173 100
175 49.0 38.9 58.3
171 52.3 41.8 62.6

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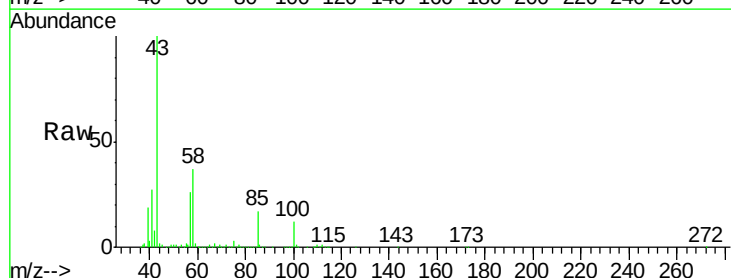


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

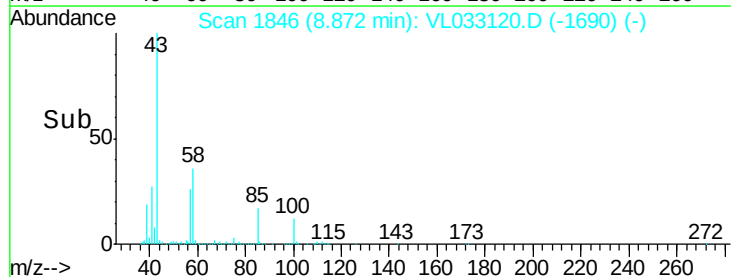
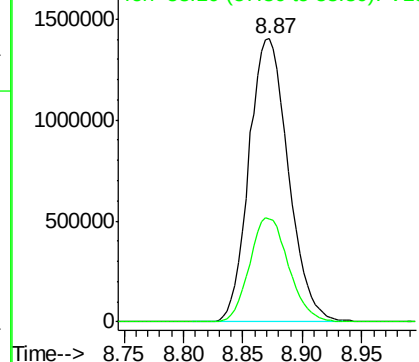


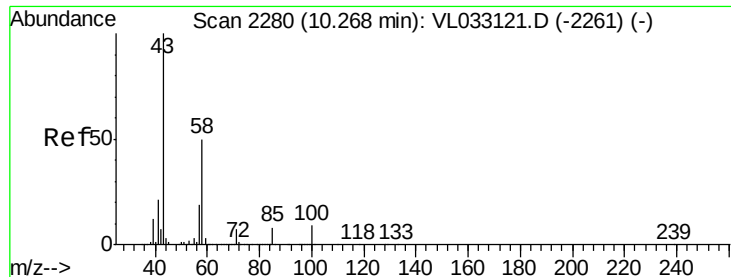
#50
4-Methyl-2-Pentanone
Concen: 14.437 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Tgt Ion: 43 Resp: 3210955
Ion Ratio Lower Upper
43 100
58 36.6 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 15.235 ppbv

RT: 10.27 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampled :

VSTDIC015

Tot Ion: 43 Resp: 2451642

Ion Ratio Lower Upper

43 100

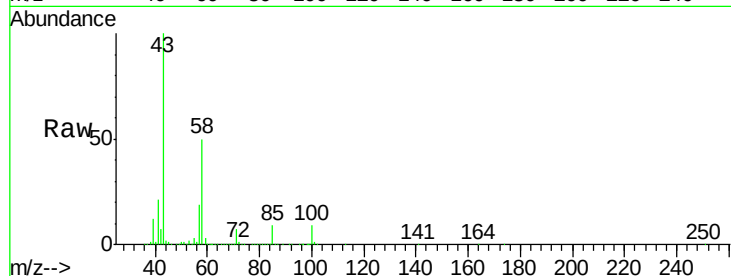
58 49.4 39.5 59.3

98 0.3 0.3 0.5

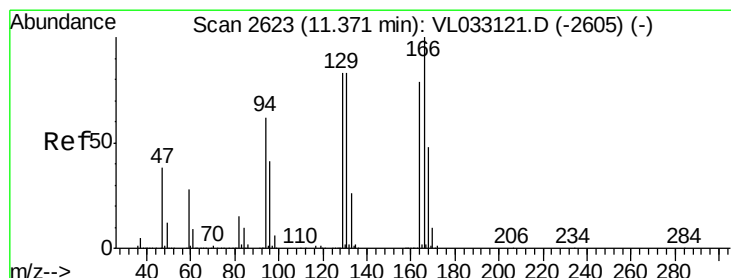
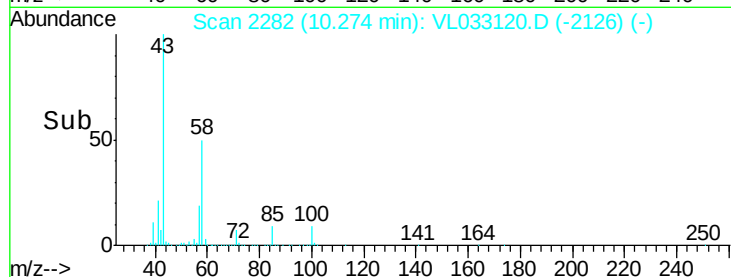
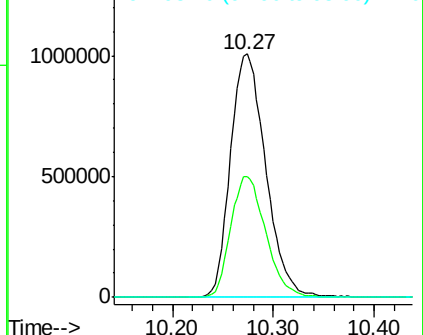
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 13.903 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Tgt Ion: 164 Resp: 1216032

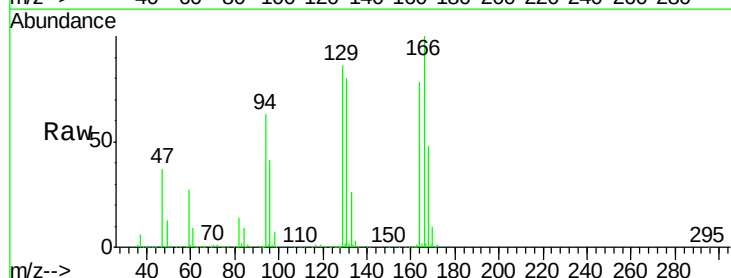
Ion Ratio Lower Upper

164 100

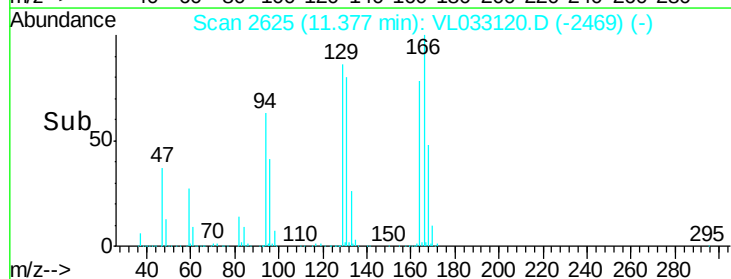
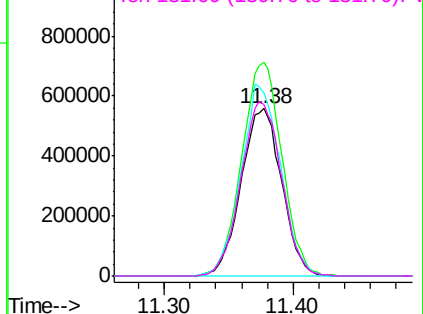
166 127.4 101.3 151.9

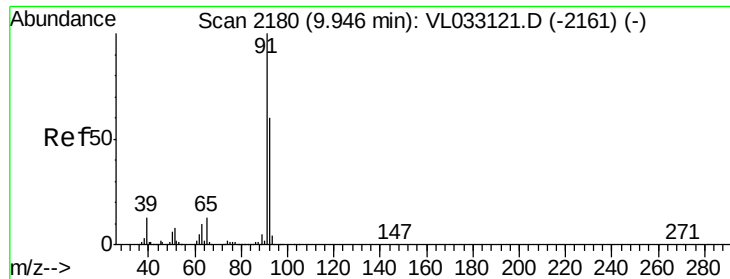
129 109.4 83.3 124.9

131 102.4 82.0 123.0



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 14.913 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 3954750

Ion Ratio Lower Upper

91 100

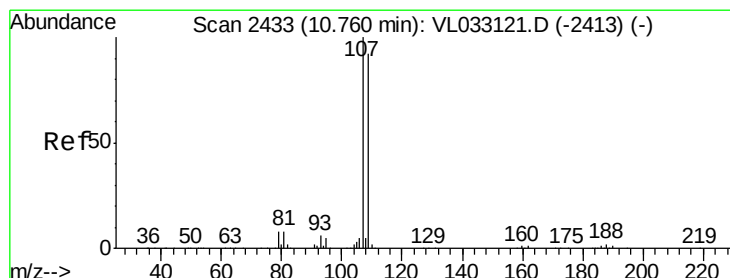
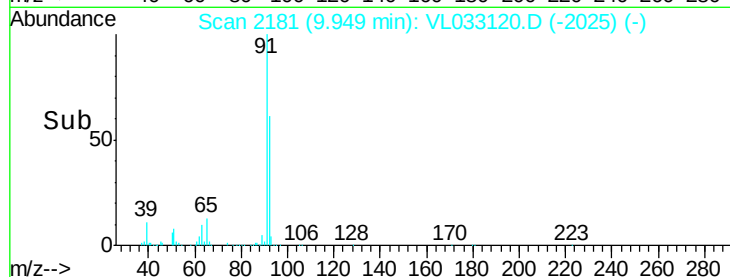
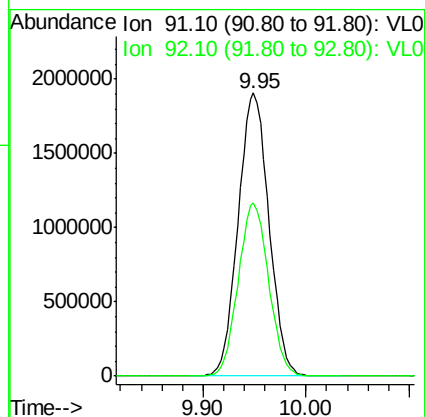
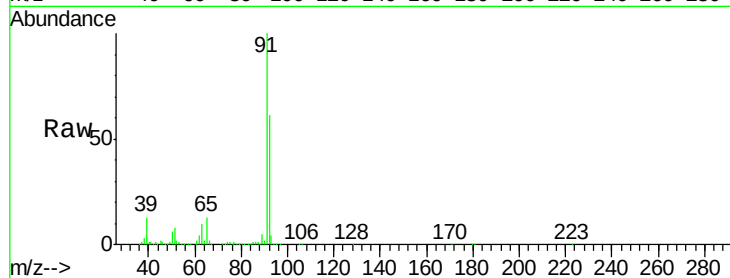
92 60.5 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 14.052 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. 0.00 min

Lab File: VL033120.D

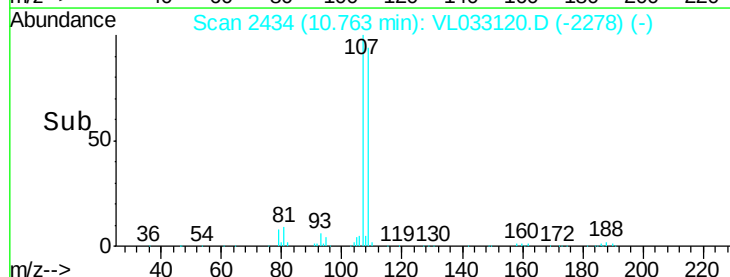
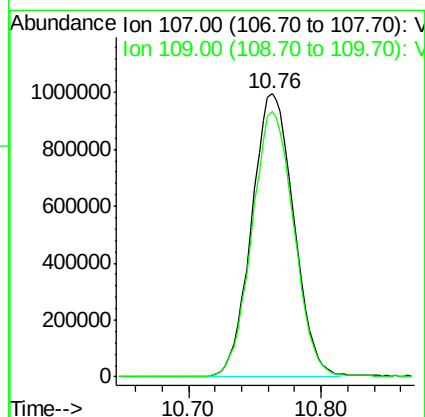
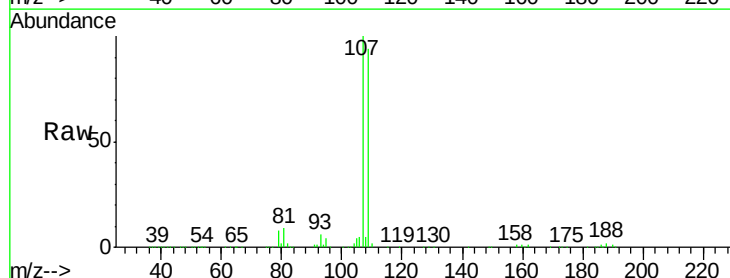
Acq: 28 Jan 2019 20:09

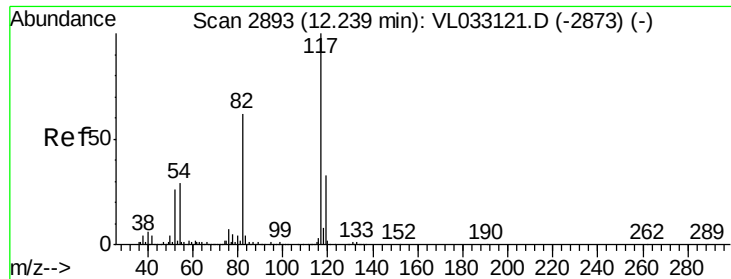
Tgt Ion: 107 Resp: 2198884

Ion Ratio Lower Upper

107 100

109 93.6 75.8 113.6





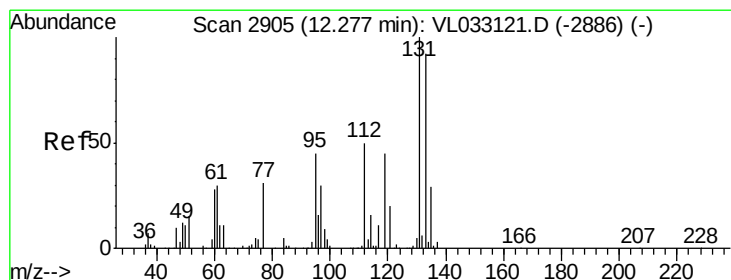
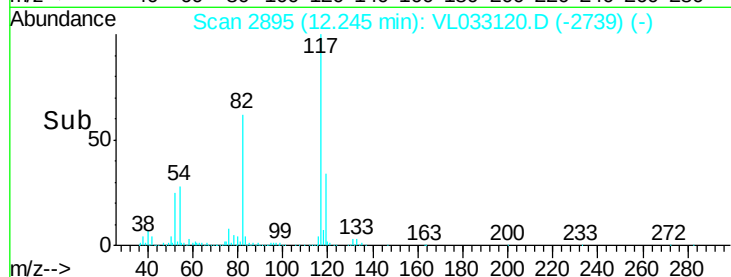
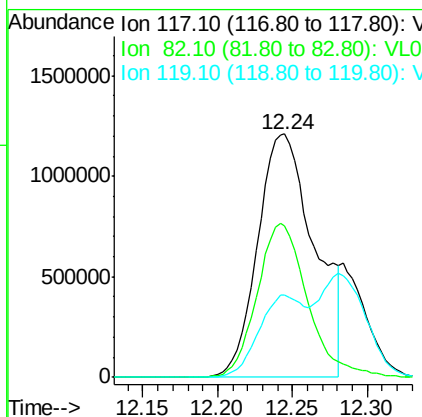
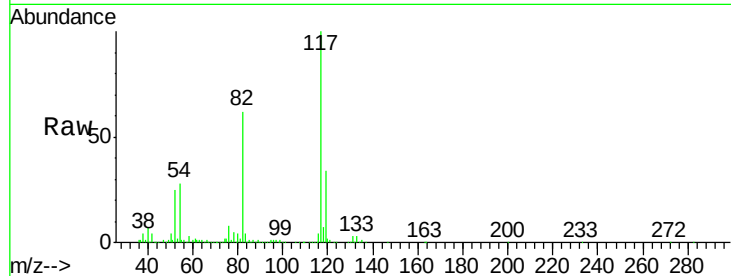
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	48.3	72.5
119	0.0	25.9	38.9#

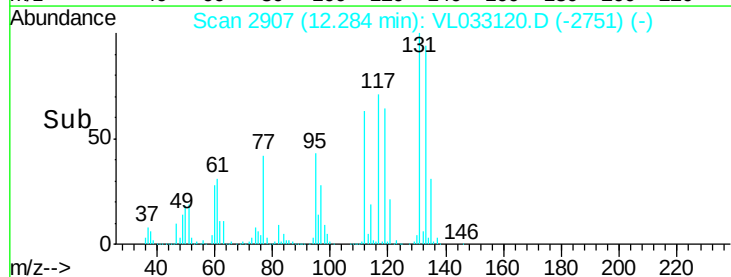
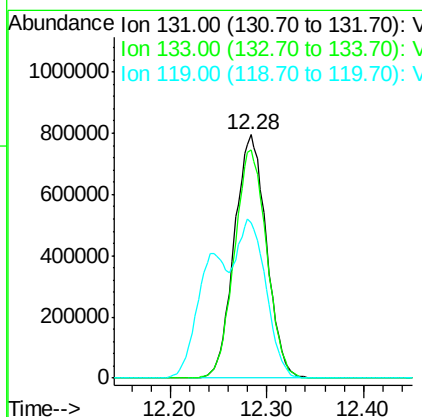
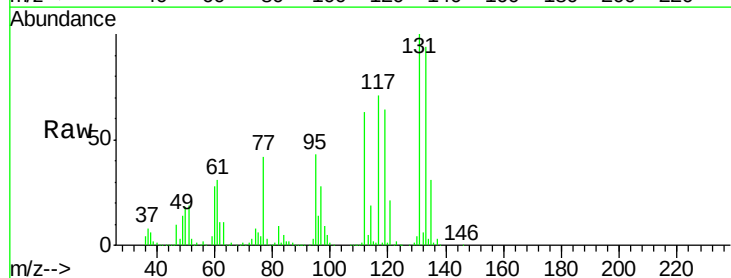
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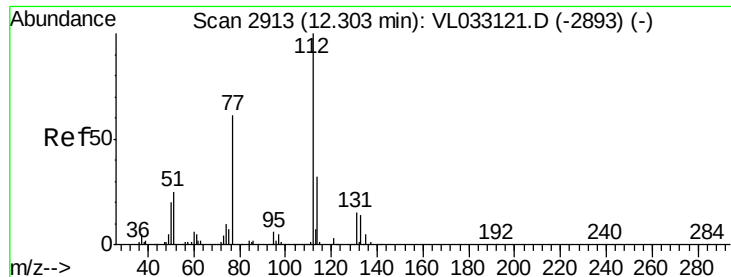
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#56
1,1,1,2-Tetrachloroethane
Concen: 11.041 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	76.6	115.0
119	110.6	44.6	66.8#





#57

Chlorobenzene

Concen: 11.382 ppbv

RT: 12.30 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:112 Resp: 3042583

Ion Ratio Lower Upper

112 100

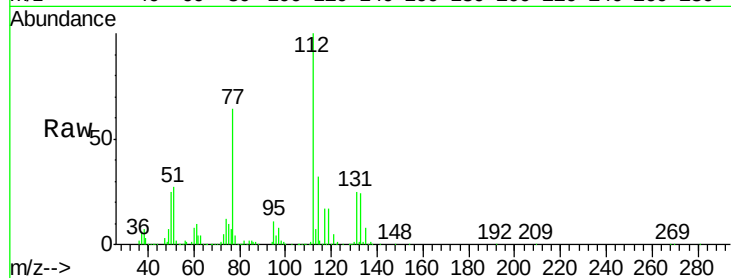
77 63.8 51.6 77.4

114 32.3 27.9 34.1

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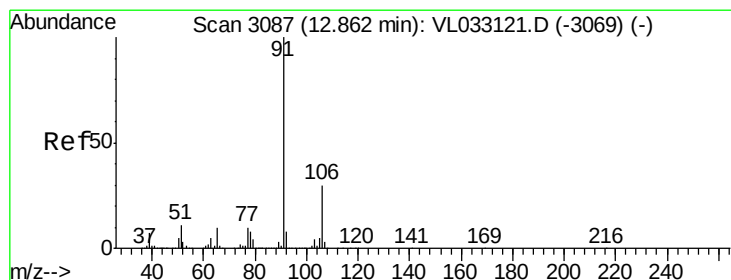
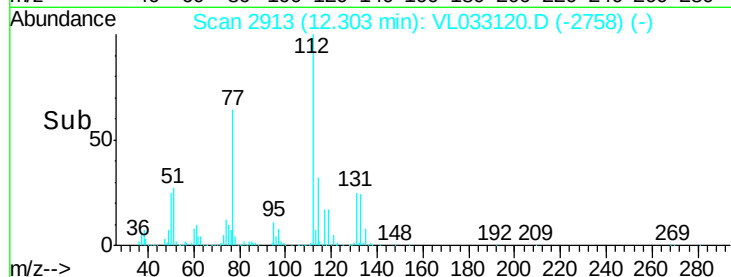
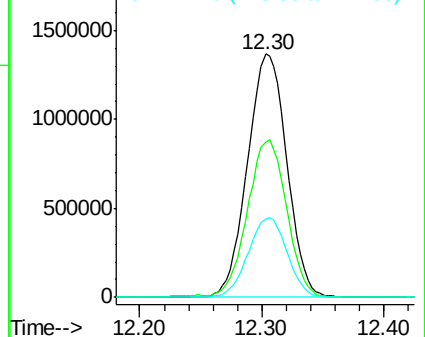
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 13.187 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. 0.01 min

Lab File: VL033120.D

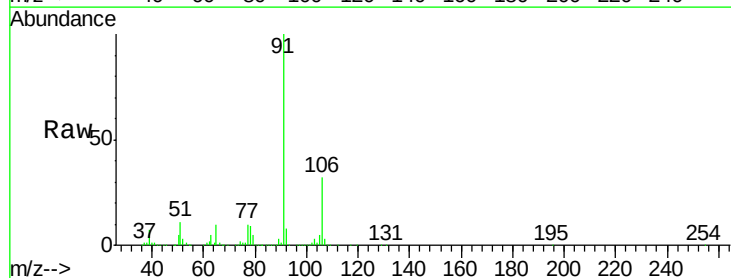
Acq: 28 Jan 2019 20:09

Tgt Ion: 91 Resp: 5332480

Ion Ratio Lower Upper

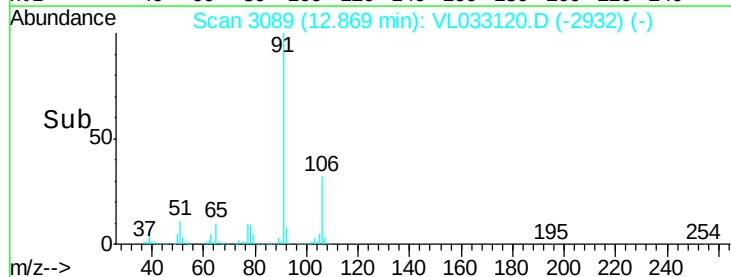
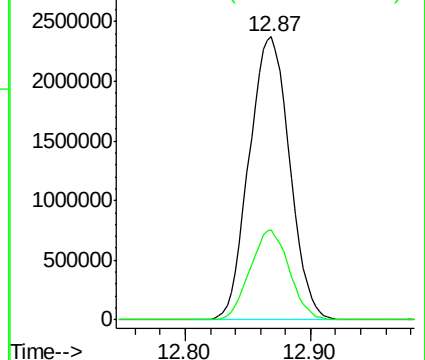
91 100

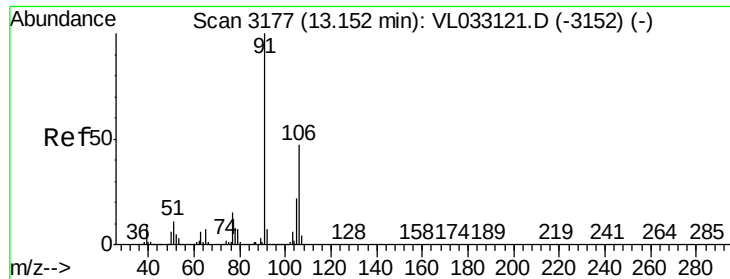
106 31.7 24.4 36.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





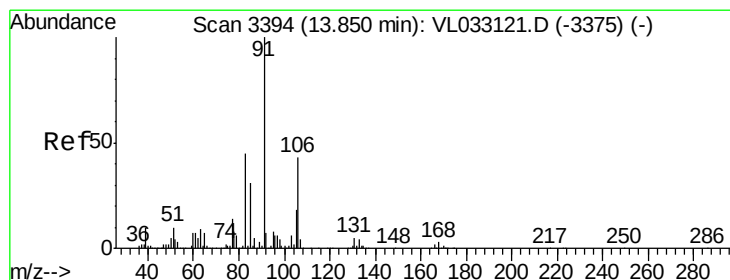
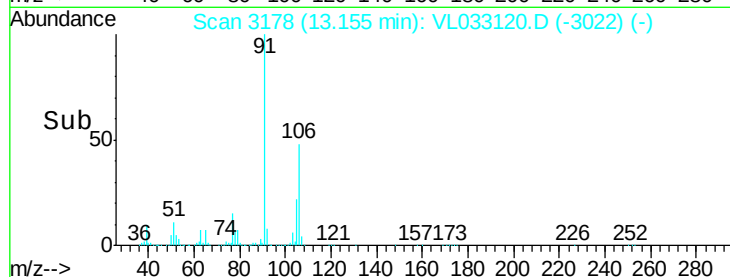
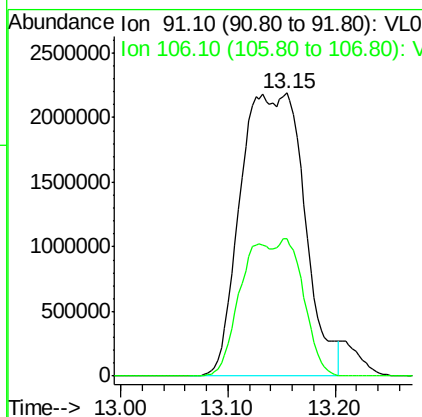
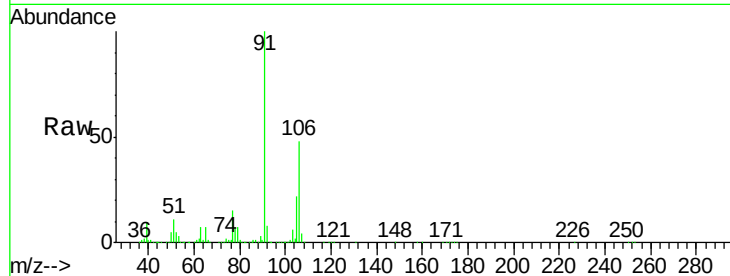
#59
m/p-Xylene
Concen: 24.204 ppbv m
RT: 13.15 min Scan# 3178
Delta R.T. 0.00 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion: 91 Resp: 9053911
Ion Ratio Lower Upper
91 100
106 46.0 0.0 0.0#

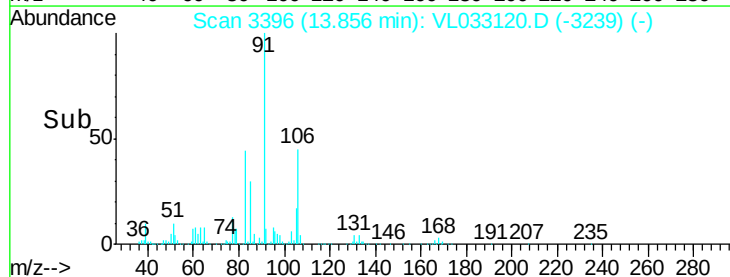
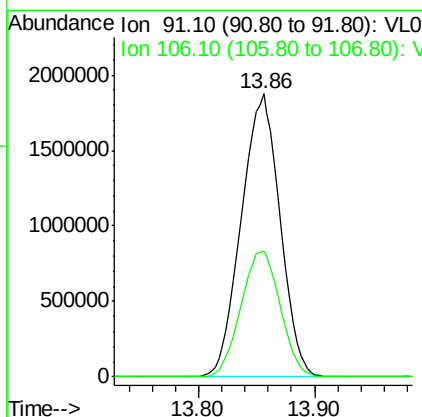
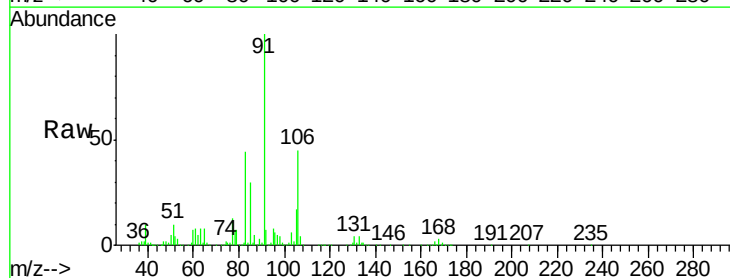
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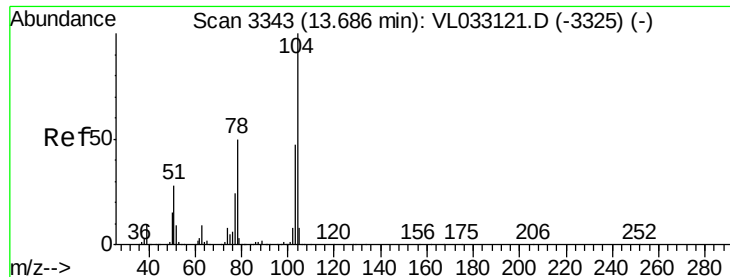
apatel
1/29/2019 2:36:27 PM



#60
o-Xylene
Concen: 11.876 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. 0.01 min
Lab File: VL033120.D
Acq: 28 Jan 2019 20:09

Tgt Ion: 91 Resp: 4349129
Ion Ratio Lower Upper
91 100
106 45.2 22.6 67.8





#61

Stvrene

Concen: 14.285 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:104 Resp: 3337884

Ion Ratio Lower Upper

104 100

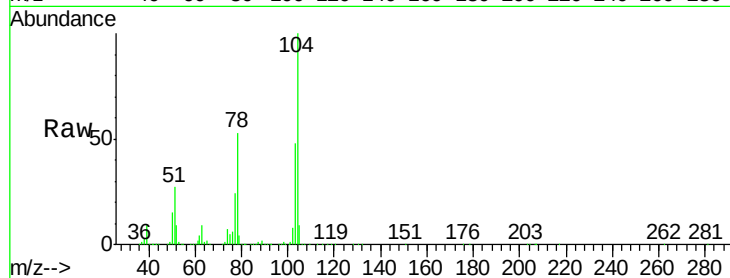
78 50.7 41.4 62.0

103 47.6 37.8 56.6

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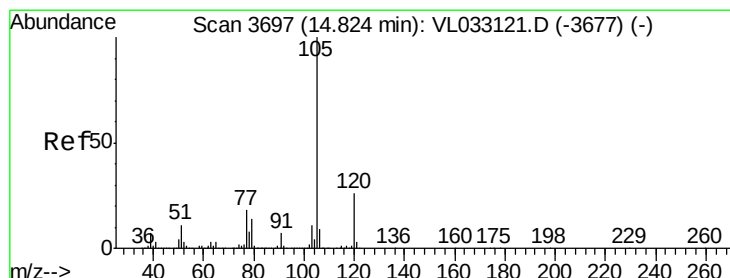
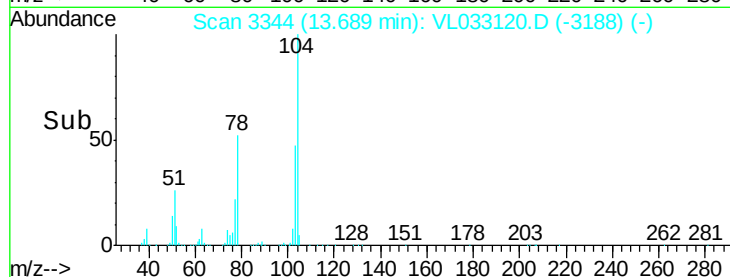
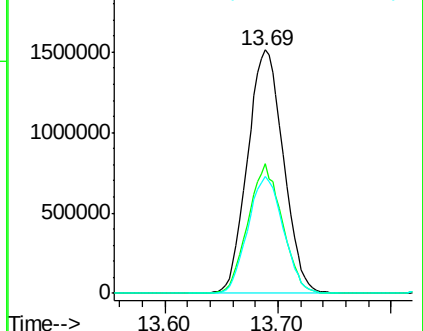
1/29/2019 2:36:27 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 11.989 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VL033120.D

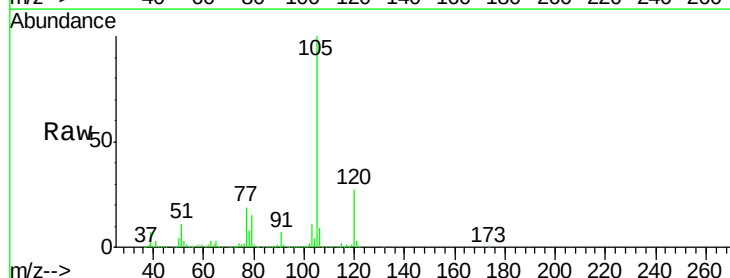
Acq: 28 Jan 2019 20:09

Tgt Ion:105 Resp: 6248361

Ion Ratio Lower Upper

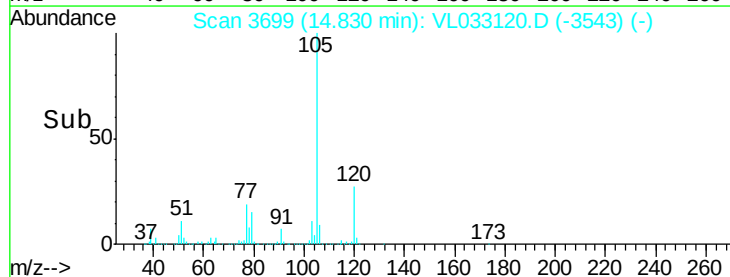
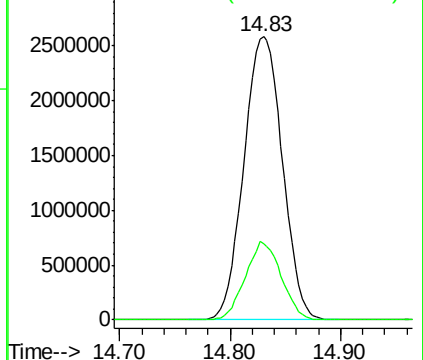
105 100

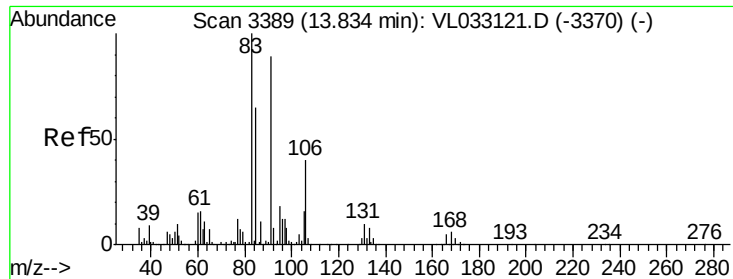
120 25.8 20.4 30.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 10.958 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 83 Resp: 2980874

Ion Ratio Lower Upper

83 100

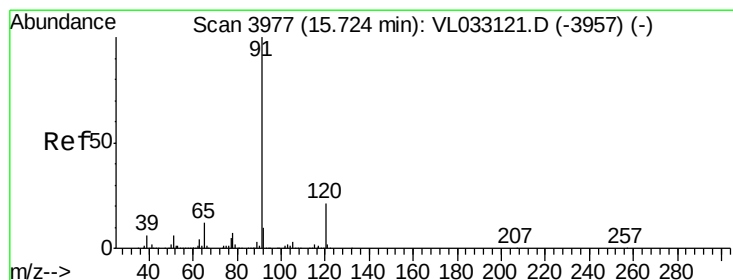
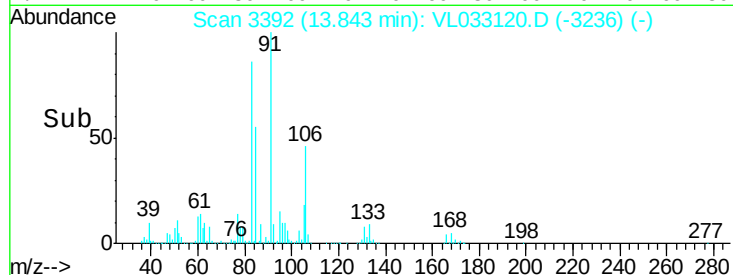
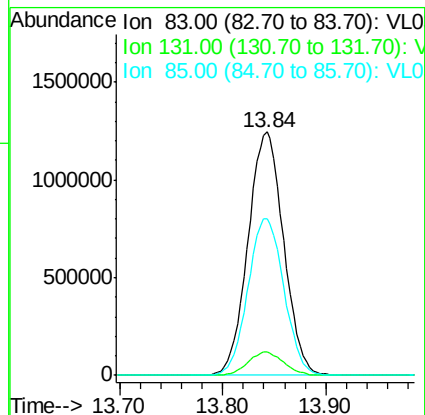
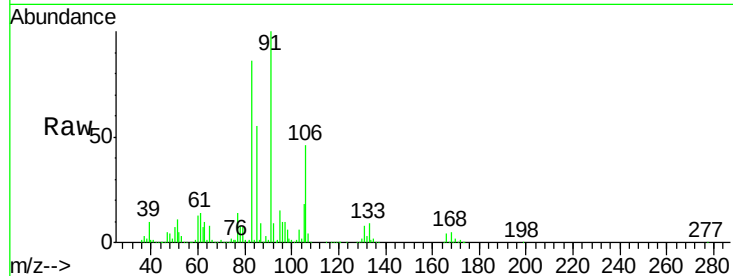
131 9.8 4.9 14.6

85 65.4 32.5 97.4

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#64

n-propylbenzene

Concen: 12.328 ppbv

RT: 15.73 min Scan# 3978

Delta R.T. 0.00 min

Lab File: VL033120.D

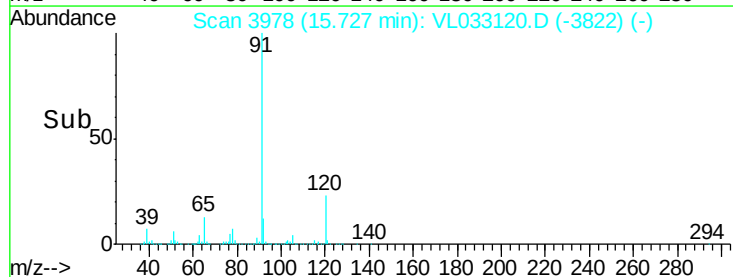
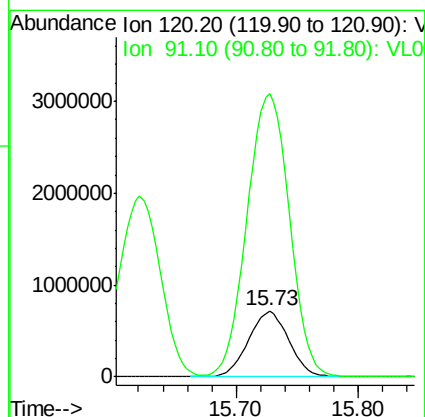
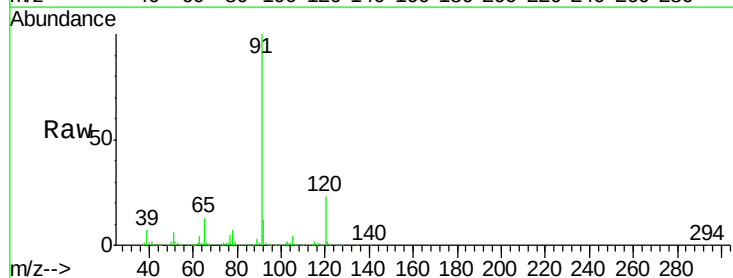
Acq: 28 Jan 2019 20:09

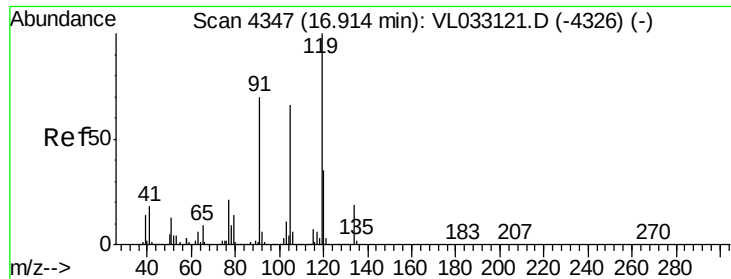
Tgt Ion: 120 Resp: 1632200

Ion Ratio Lower Upper

120 100

91 455.7 375.7 563.5





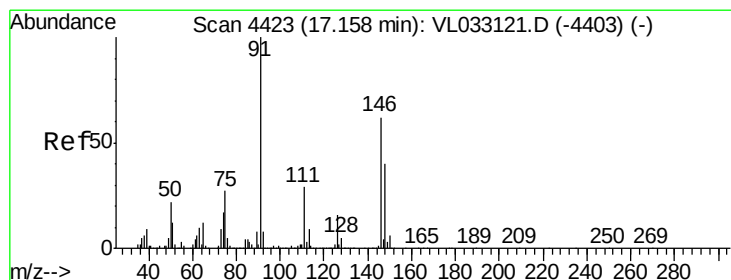
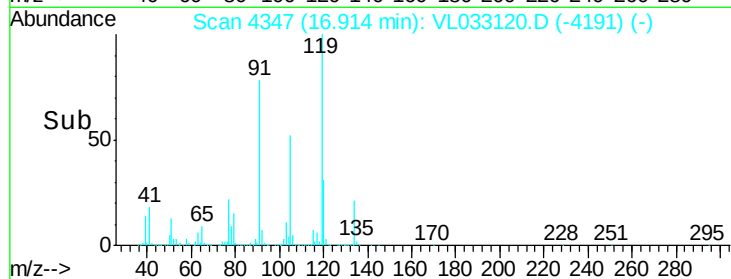
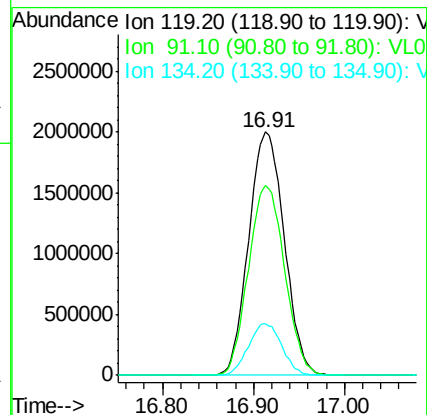
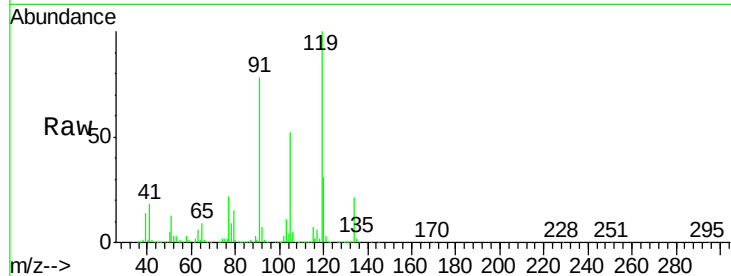
#65
 tert-Butylbenzene
 Concen: 11.764 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. 0.00 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC015

Tot Ion:119 Resp: 5430507
 Ion Ratio Lower Upper
 119 100
 91 79.6 64.5 96.7
 134 20.0 15.7 23.5

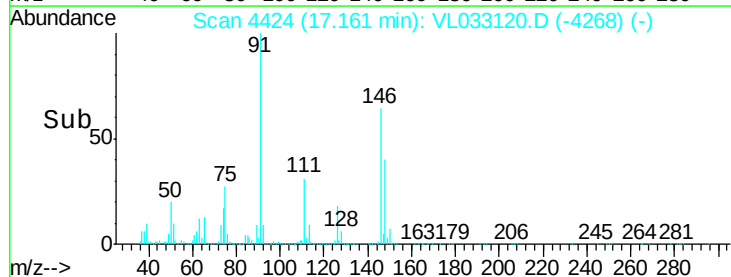
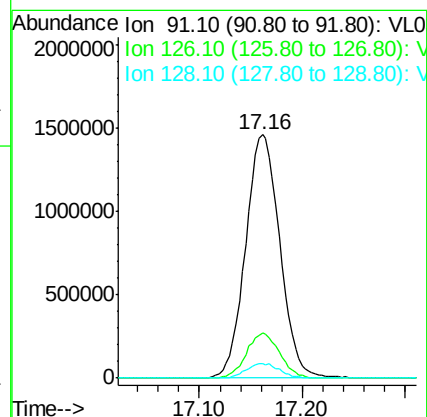
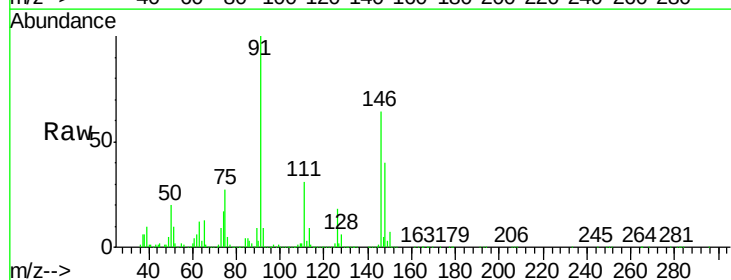
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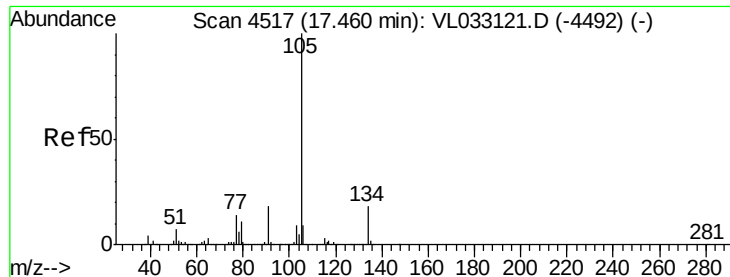
apatel
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#66
 Benzyl Chloride
 Concen: 12.842 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. 0.00 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

Tgt Ion: 91 Resp: 3378684
 Ion Ratio Lower Upper
 91 100
 126 18.0 14.3 21.5
 128 5.9 4.6 7.0





#67

sec-Butylbenzene

Concen: 11.608 ppbv m

RT: 17.46 min Scan# 4518

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 105 Resp: 7668299

Ion Ratio Lower Upper

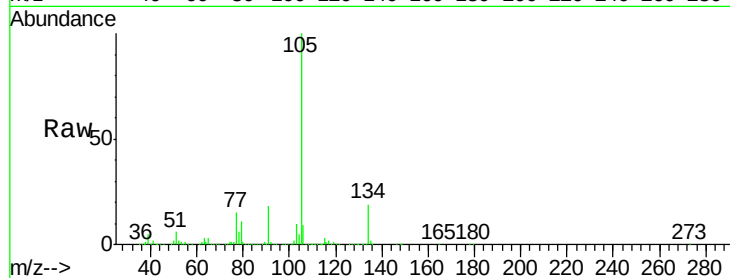
105 100

134 0.0 14.8 22.2#

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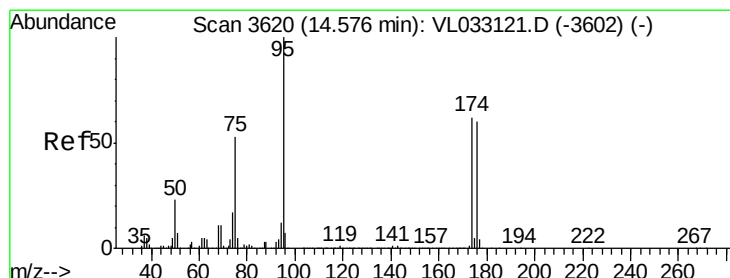
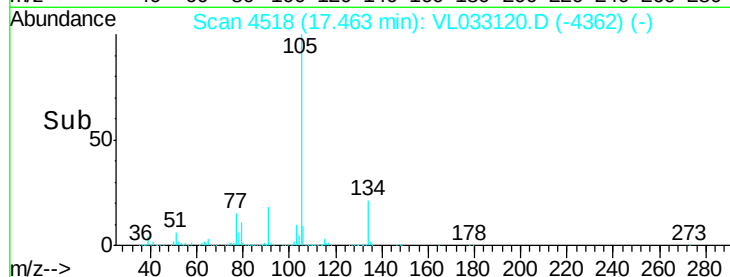
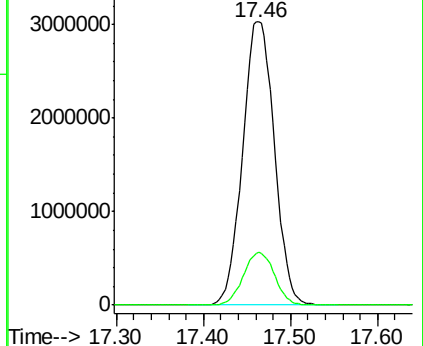
apatel

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.750 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

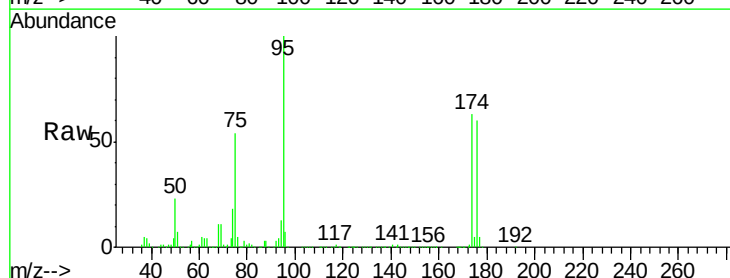
Tgt Ion: 95 Resp: 2148177

Ion Ratio Lower Upper

95 100

174 64.3 51.4 77.2

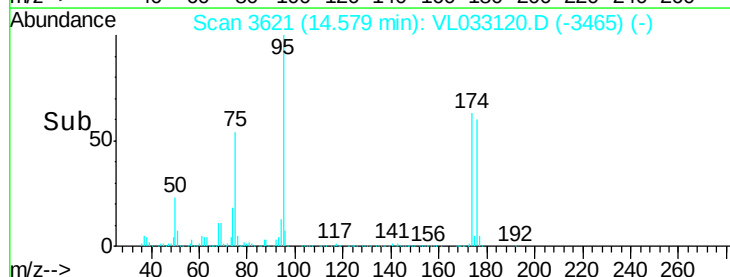
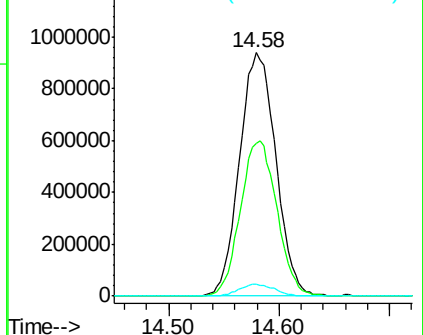
175 4.8 4.0 6.0

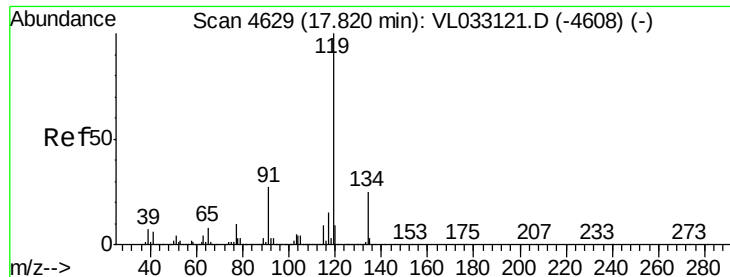


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





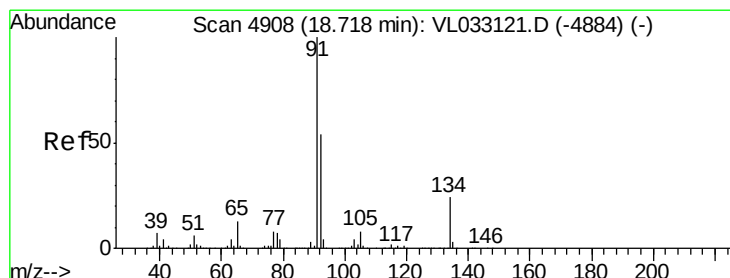
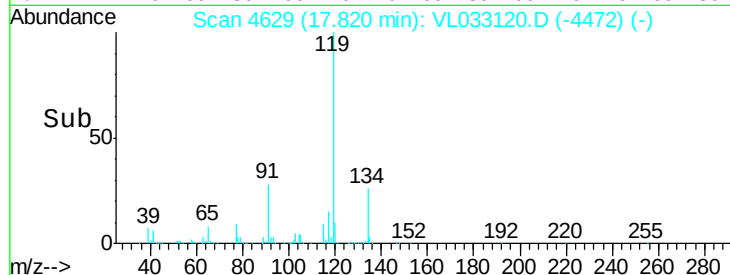
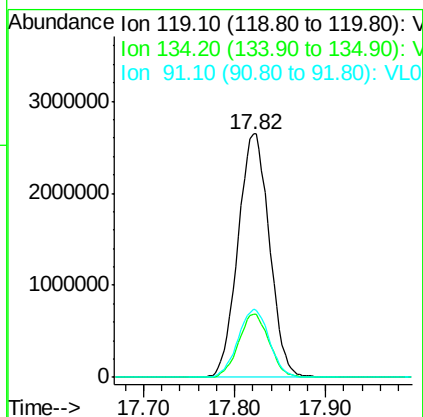
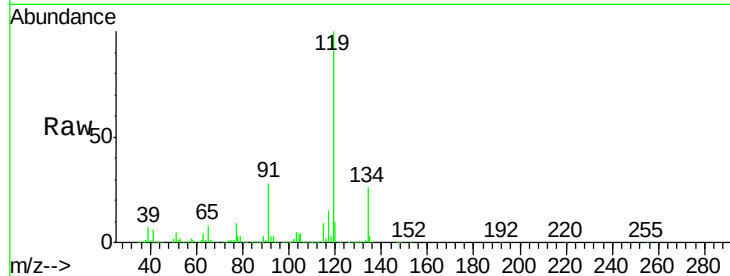
#69
 p-Isopropyltoluene
 Concen: 11.828 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. 0.01 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	27.9	22.8	34.2

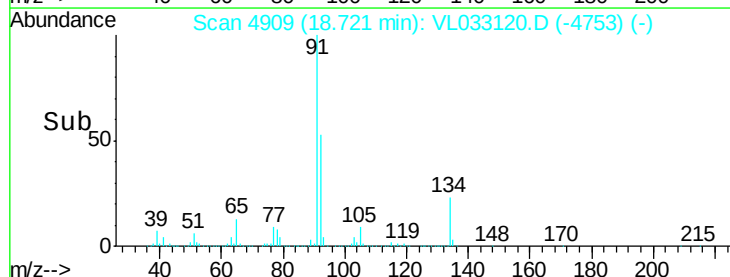
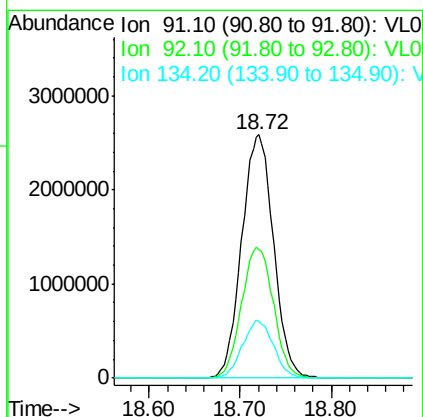
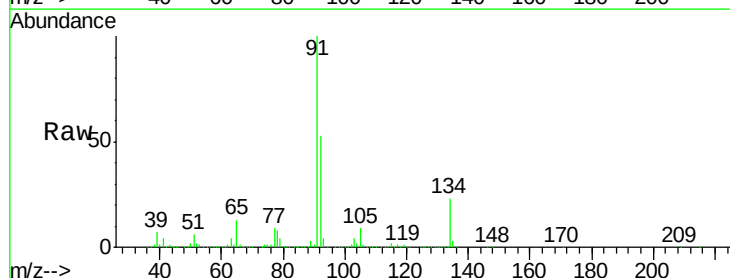
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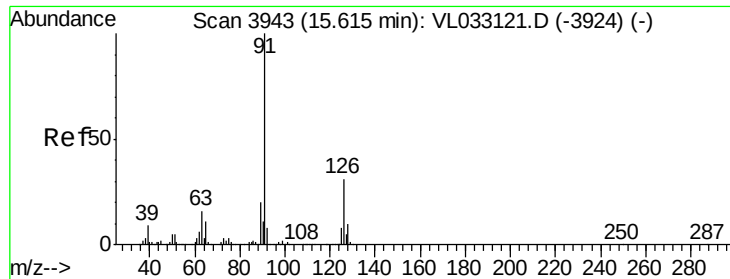
apatel
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#70
 n-Butylbenzene
 Concen: 11.626 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. 0.00 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.0	64.6
134	23.0	18.4	27.6





#71

2-Chlorotoluene

Concen: 12.466 ppbv

RT: 15.62 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 4607541

Ion Ratio Lower Upper

91 100

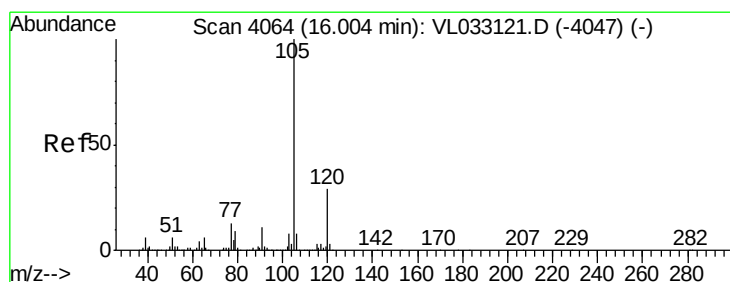
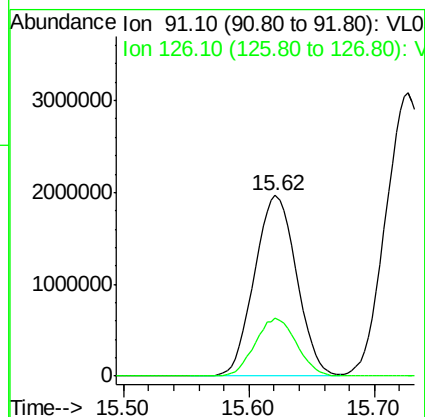
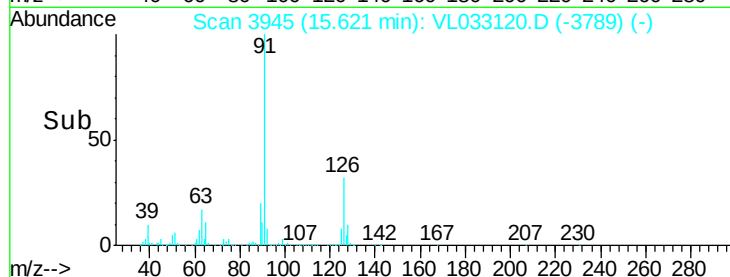
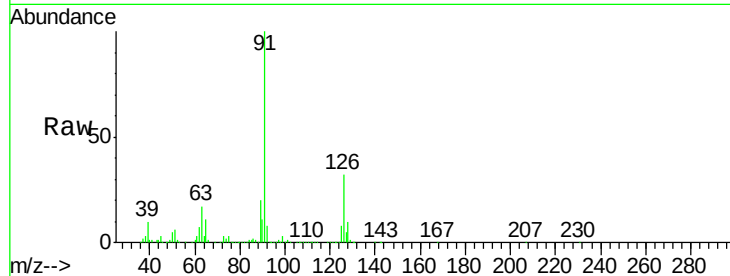
126 31.5 12.4 49.8

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#72

4-Ethyltoluene

Concen: 12.693 ppbv

RT: 16.01 min Scan# 4065

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Tgt Ion: 105 Resp: 5108124

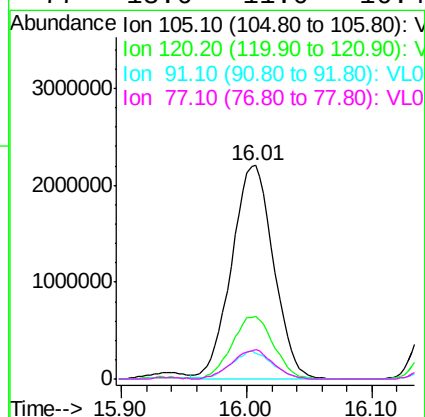
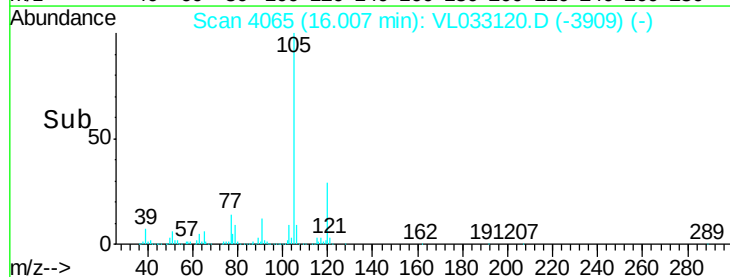
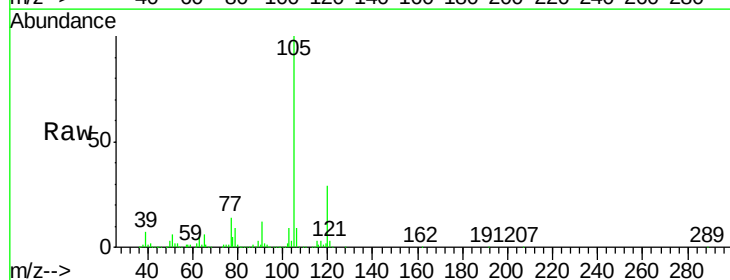
Ion Ratio Lower Upper

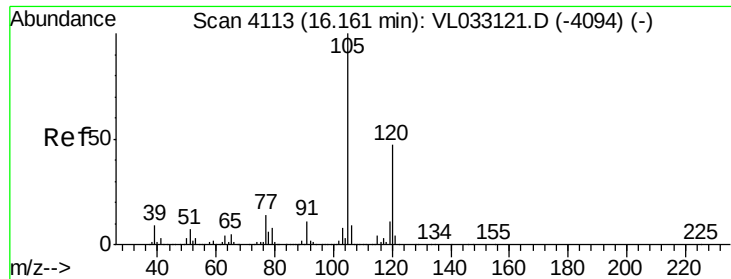
105 100

120 29.2 23.5 35.3

91 12.6 10.3 15.5

77 13.6 11.0 16.4





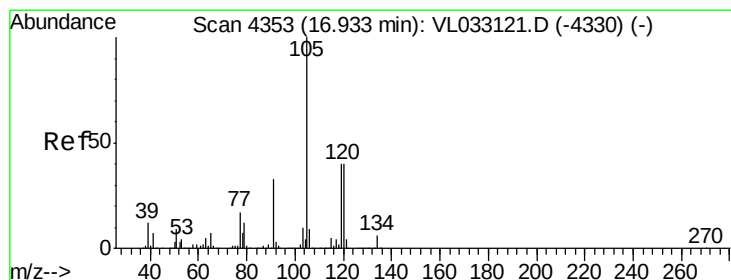
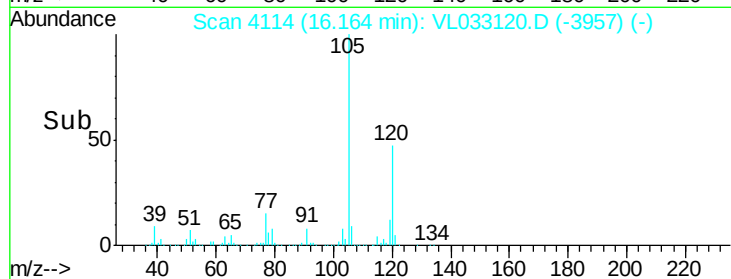
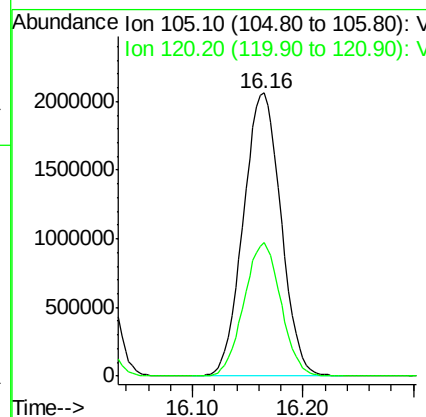
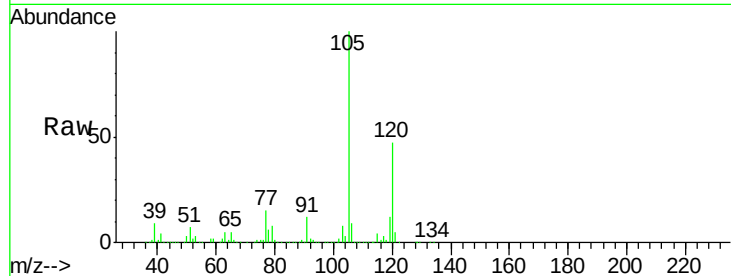
#73
 1,3,5-Trimethylbenzene
 Concen: 12.224 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. 0.01 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp: 4853795
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.5 56.3

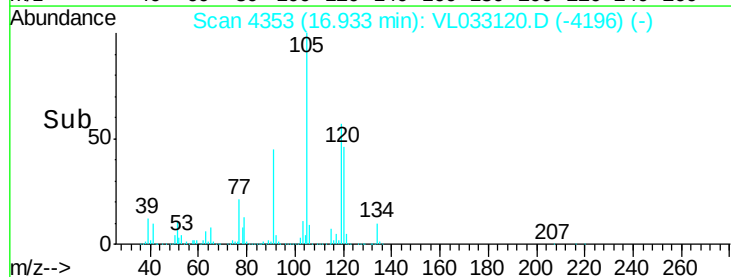
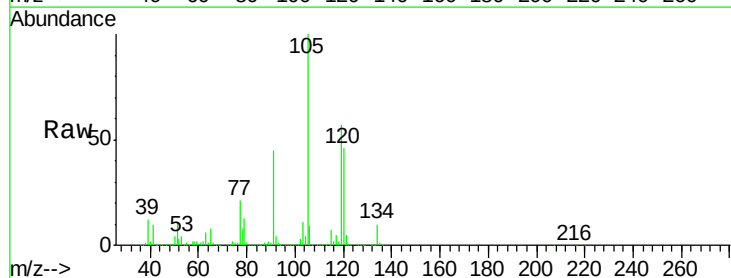
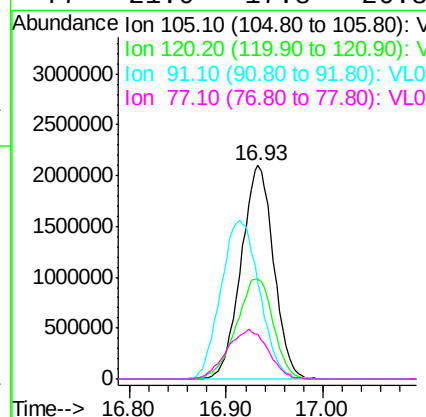
Manual Integrations
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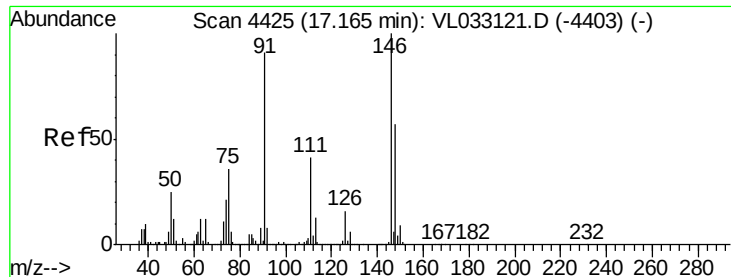
apatel
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#74
 1,2,4-Trimethylbenzene
 Concen: 11.139 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. 0.01 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

Tgt Ion:105 Resp: 4898585
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.9 56.9
 91 44.8 39.8 59.8
 77 21.0 17.8 26.8





#75

1,3-Dichlorobenzene

Concen: 10.781 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 2790802

Ion Ratio Lower Upper

146 100

111 46.7 23.4 70.0

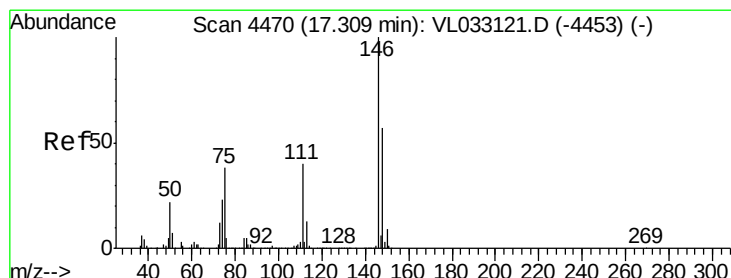
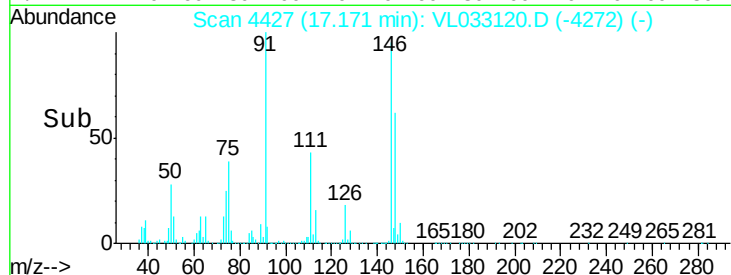
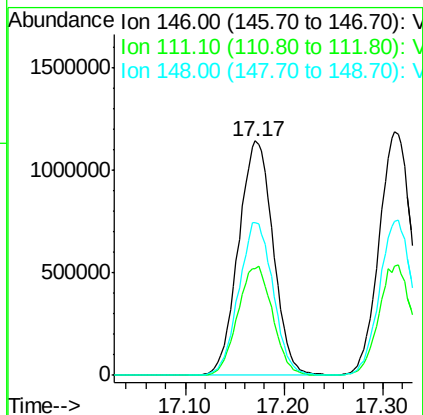
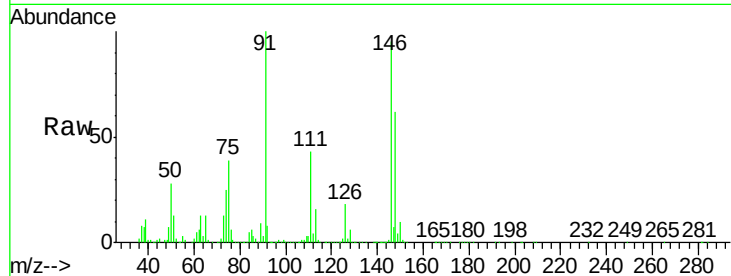
148 64.4 32.1 96.3

Manual Integrations

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#76

1,4-Dichlorobenzene

Concen: 11.729 ppbv

RT: 17.31 min Scan# 4471

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

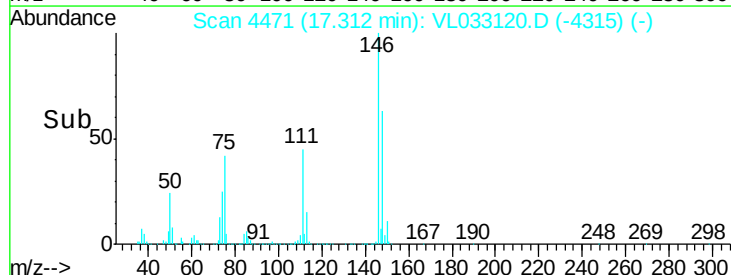
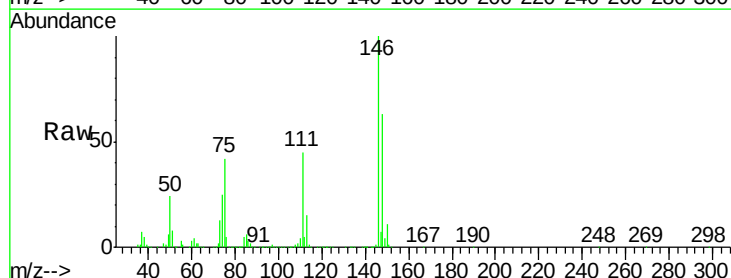
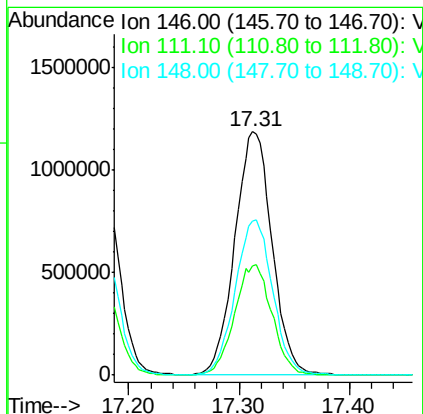
Tgt Ion:146 Resp: 2765762

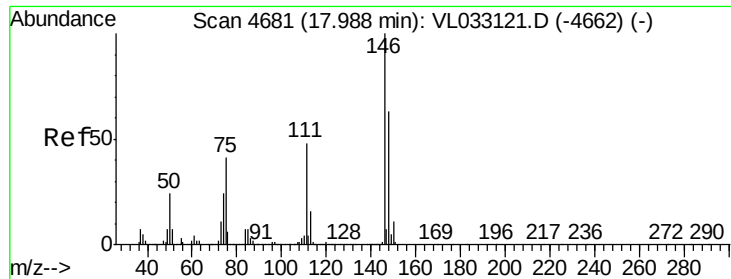
Ion Ratio Lower Upper

146 100

111 45.7 22.7 68.0

148 64.4 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 11.563 ppbv

RT: 17.99 min Scan# 4683

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 2695470

Ion Ratio Lower Upper

146 100

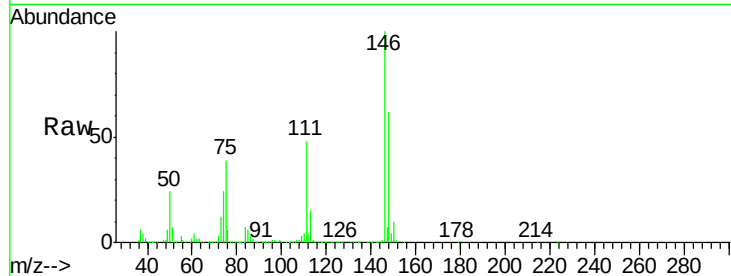
111 48.2 24.4 73.2

148 63.6 32.6 97.7

Manual Integrations
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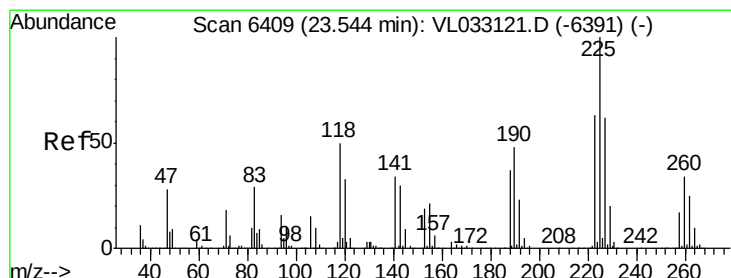
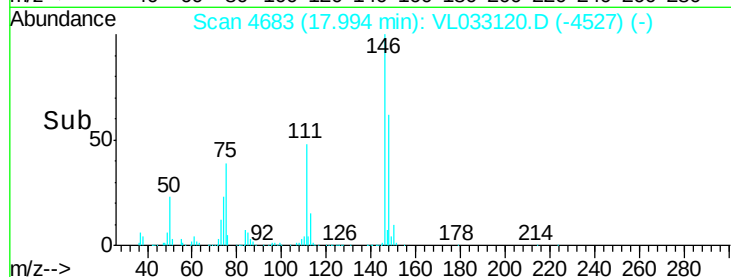
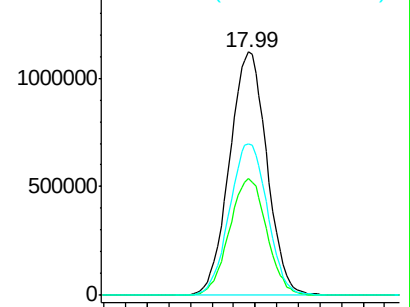
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.780 ppbv

RT: 23.55 min Scan# 6411

Delta R.T. 0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

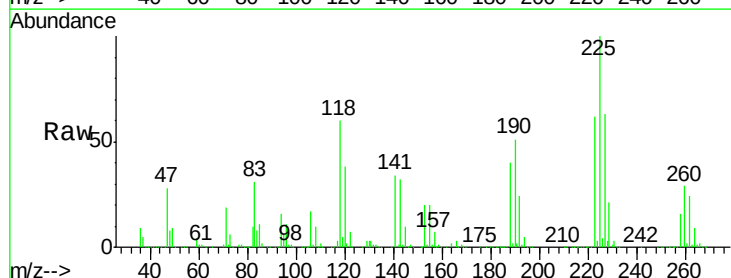
Tgt Ion:225 Resp: 1751121

Ion Ratio Lower Upper

225 100

223 63.3 50.5 75.7

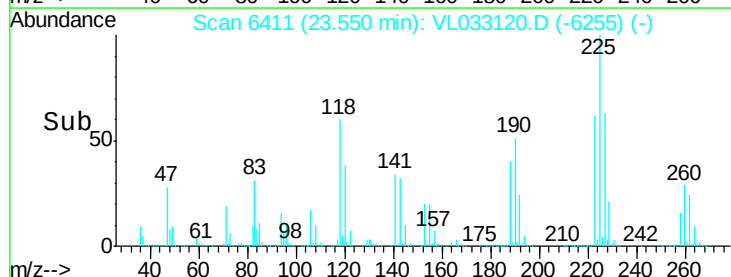
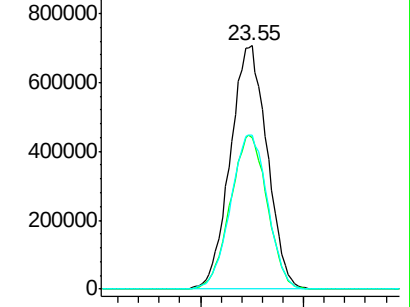
227 63.9 51.0 76.4

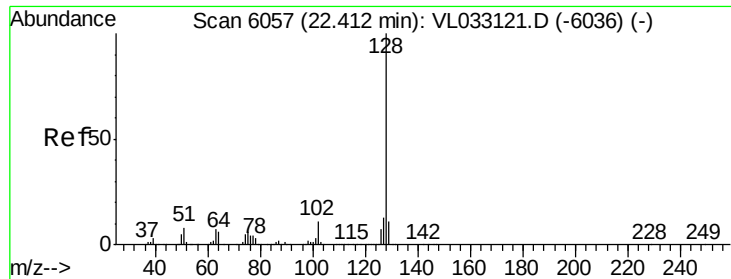


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.287 ppbv

RT: 22.41 min Scan# 6058

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:128 Resp: 4180982

Ion Ratio Lower Upper

128 100

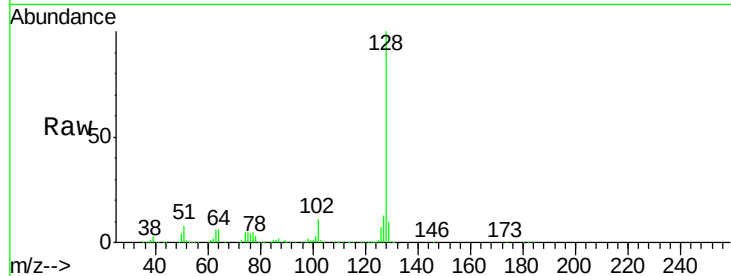
127 13.1 10.6 15.8

129 10.5 9.2 13.8

Manual Integrations
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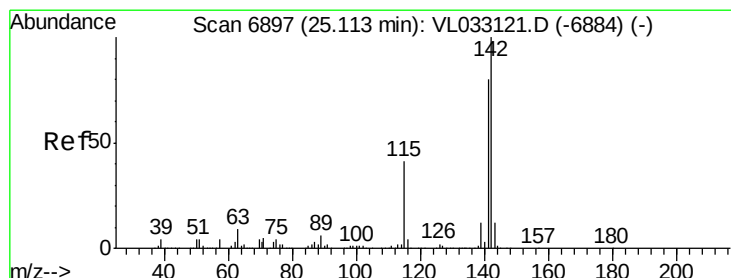
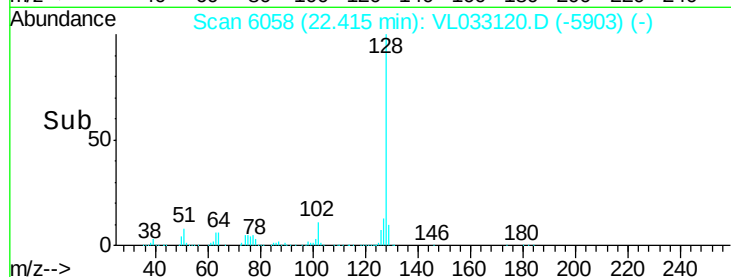
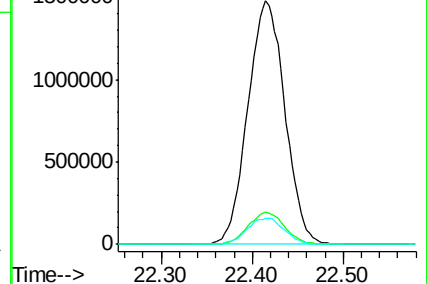
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 13.234 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. -0.00 min

Lab File: VL033120.D

Acq: 28 Jan 2019 20:09

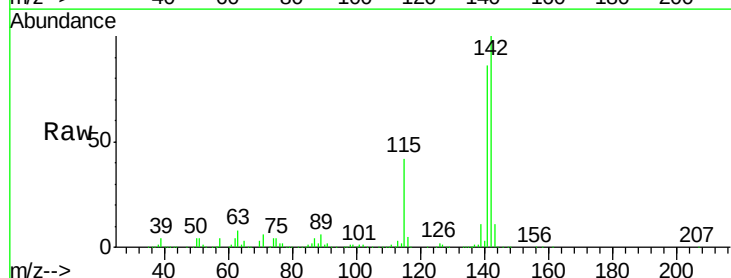
Tgt Ion:142 Resp: 1487612

Ion Ratio Lower Upper

142 100

141 85.0 67.4 101.2

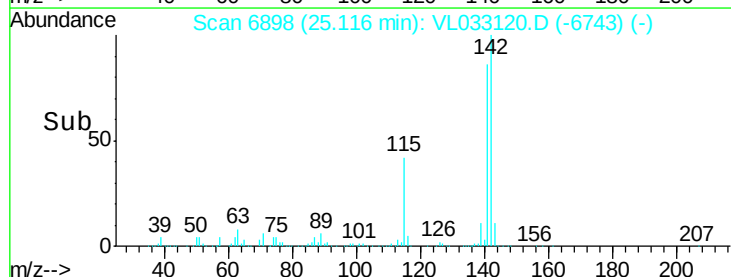
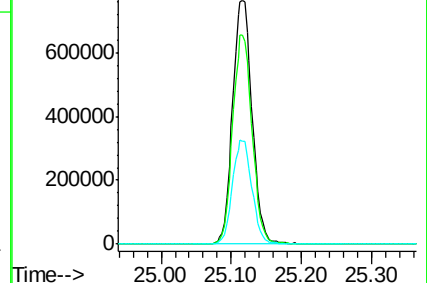
115 42.5 34.9 52.3

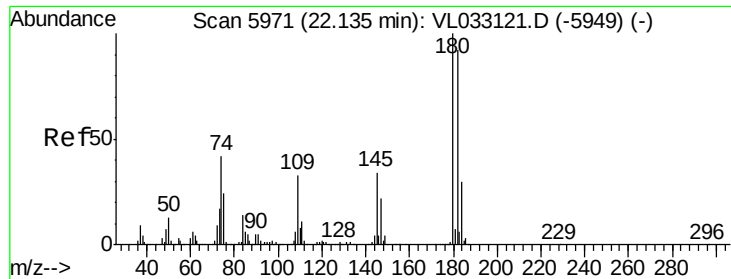


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.111 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. 0.01 min
 Lab File: VL033120.D
 Acq: 28 Jan 2019 20:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.5	114.7
184	30.3	24.2	36.4

Manual Integrations
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