

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012819\
 Data File : VL033117.D
 Acq On : 28 Jan 2019 17:36
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
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 1/29/2019 2:36:13 PM

Quant Time: Jan 28 19:50:49 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	5.76	49	1135684	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2903752	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2728298	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2651022	12.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	126.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	154373	0.730	ppbv	100
3) Chlorodifluoromethane	3.01	51	86352	0.672	ppbv	96
4) Chloromethane	3.17	50	44798	0.608	ppbv	92
5) Vinyl Chloride	3.28	62	44043	0.592	ppbv	98
6) Bromomethane	3.51	94	30136	0.597	ppbv	98
7) Chloroethane	3.59	64	18029	0.620	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	122788	0.674	ppbv	99
9) Propene	3.04	41	28971	0.603	ppbv	95
10) Heptane	8.24	43	68554	0.501	ppbv	97
11) Trichlorofluoromethane	4.00	101	131976	0.565	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.55	101	93119	0.631	ppbv	98
13) Ethanol	3.66	45	13155m	0.687	ppbv	
14) Bromoethene	3.79	108	37370	0.573	ppbv	99
15) Acetone	3.91	43	90536	0.576	ppbv	99
16) 1,3-Butadiene	3.36	39	33041	0.557	ppbv	96
17) tert-Butyl alcohol	4.38	59	17752m	0.533	ppbv	
18) 1,1-Dichloroethene	4.35	96	38750	0.570	ppbv	95
19) Isopropyl Alcohol	4.03	45	58019	0.536	ppbv #	94
20) Methylene Chloride	4.40	84	43017	0.656	ppbv	96
21) Allyl Chloride	4.47	41	56609	0.581	ppbv	95
22) trans-1,2-Dichloroethene	4.96	96	39234m	0.582	ppbv	
23) Vinyl Acetate	5.16	43	108574	0.543	ppbv #	96
24) 1,1-Dichloroethane	5.09	63	99185	0.584	ppbv	96
25) Ethyl Acetate	5.77	43	145714	0.548	ppbv	99
26) Hexane	5.78	57	67379	0.539	ppbv	93
27) Carbon Disulfide	4.62	76	88464	0.573	ppbv #	94
28) Methyl tert-Butyl Ether	5.12	73	100049	0.512	ppbv	99
29) Chloroform	5.84	83	122885	0.576	ppbv	96
30) Cyclohexane	7.25	84	41091	0.440	ppbv	82
31) cis-1,2-Dichloroethene	5.63	61	56664	0.488	ppbv	98
32) 1,1,1-Trichloroethane	6.61	97	164346	0.759	ppbv	98
34) 2-Butanone	5.34	43	83962	0.498	ppbv	99
35) Carbon Tetrachloride	7.13	117	163205	0.654	ppbv	97
36) Benzene	7.00	78	155520	0.654	ppbv	96
37) 1,2-Dichloroethane	6.40	62	118672	0.715	ppbv	98
38) Trichloroethene	7.96	130	50359	0.515	ppbv	97
39) 1,2-Dichloropropane	7.73	63	47384	0.530	ppbv	91
40) 1,4-Dioxane	7.99	88	18464m	0.544	ppbv	
41) Tetrahydrofuran	6.17	42	53227m	0.620	ppbv	
42) Bromodichloromethane	7.91	83	129736	0.569	ppbv #	98
43) Methyl Methacrylate	8.14	69	40147	0.450	ppbv	98

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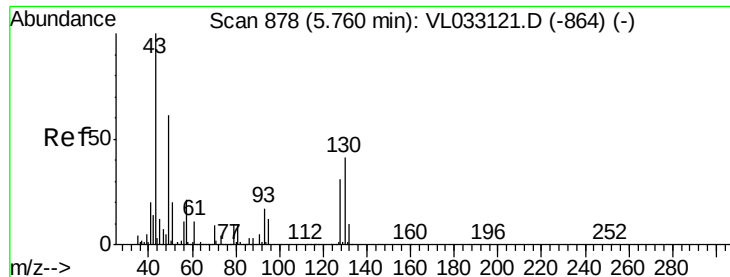
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	202125	0.502	ppbv	92
45) t-1,3-Dichloropropene	9.41	75	42988m	0.387	ppbv	
46) cis-1,3-Dichloropropene	8.83	75	55423	0.437	ppbv	89
47) 1,1,2-Trichloroethane	9.61	97	56928	0.545	ppbv	94
48) Dibromochloromethane	10.44	129	95083	0.515	ppbv	98
49) Bromoform	13.20	173	81630	0.507	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	104054m	0.487	ppbv	
51) 2-Hexanone	10.30	43	59089m	0.382	ppbv	
52) Tetrachloroethene	11.38	164	44766m	0.532	ppbv	
53) Toluene	9.94	91	103057	0.404	ppbv	97
54) 1,2-Dibromoethane	10.76	107	73394m	0.488	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.27	131	79046	0.561	ppbv #	1
57) Chlorobenzene	12.30	112	124488	0.547	ppbv	88
58) Ethyl Benzene	12.86	91	134834	0.391	ppbv	95
59) m/p-Xylene	13.15	91	288817m	0.906	ppbv	
60) o-Xylene	13.85	91	179604m	0.576	ppbv	
61) Styrene	13.68	104	86326	0.434	ppbv	96
62) Isopropylbenzene	14.82	105	264423	0.596	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	162900	0.703	ppbv	99
64) n-propylbenzene	15.72	120	61513	0.545	ppbv	81
65) tert-Butylbenzene	16.91	119	215669m	0.548	ppbv	
66) Benzyl Chloride	17.15	91	100522	0.448	ppbv	96
67) sec-Butylbenzene	17.46	105	317151	0.564	ppbv	99
69) p-Isopropyltoluene	17.82	119	240913	0.527	ppbv	95
70) n-Butylbenzene	18.71	91	230237	0.501	ppbv	97
71) 2-Chlorotoluene	15.62	91	162047m	0.515	ppbv	
72) 4-Ethyltoluene	16.00	105	170588	0.498	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.16	105	177572	0.525	ppbv	88
74) 1,2,4-Trimethylbenzene	16.92	105	204779	0.547	ppbv #	89
75) 1,3-Dichlorobenzene	17.16	146	139187m	0.631	ppbv	
76) 1,4-Dichlorobenzene	17.30	146	122440m	0.610	ppbv	
77) 1,2-Dichlorobenzene	17.99	146	128739m	0.648	ppbv	
78) Hexachloro-1,3-Butadiene	23.54	225	83941	0.550	ppbv	99
79) Naphthalene	22.42	128	87978m	0.279	ppbv	
80) Naphthalene, 2-methyl-	25.11	142	10350	0.108	ppbv	94
81) 1,2,4-Trichlorobenzene	22.14	180	51527m	0.338	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1135684

Ion Ratio Lower Upper

49 100

128 52.8 25.9 77.7

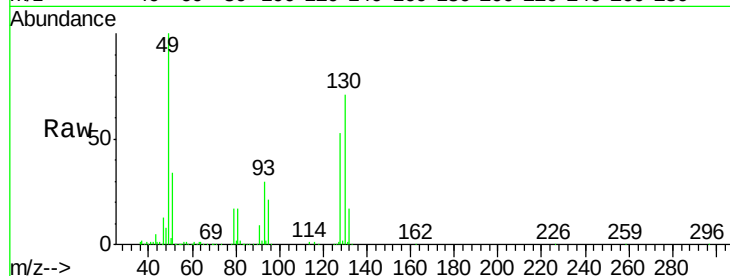
130 68.2 32.9 98.7

Manual Integrations

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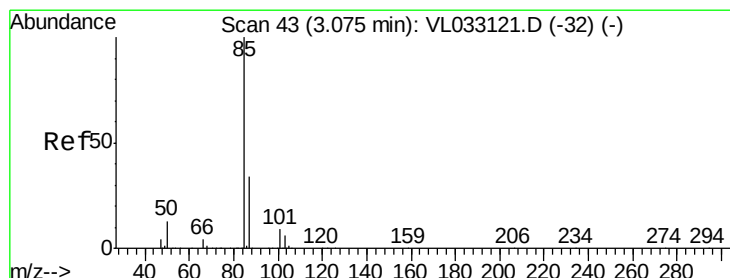
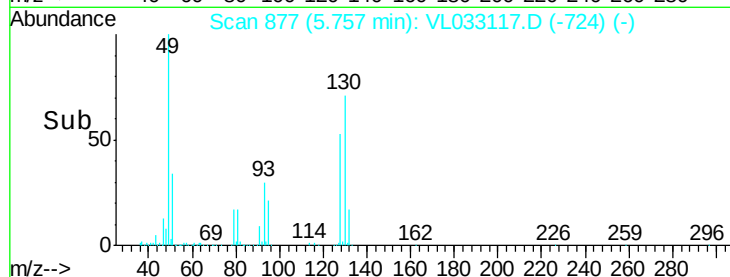
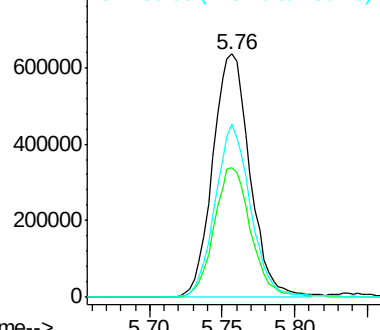
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.730 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033117.D

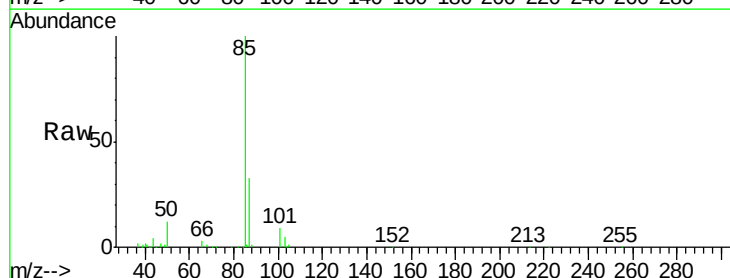
Acq: 28 Jan 2019 17:36

Tgt Ion: 85 Resp: 154373

Ion Ratio Lower Upper

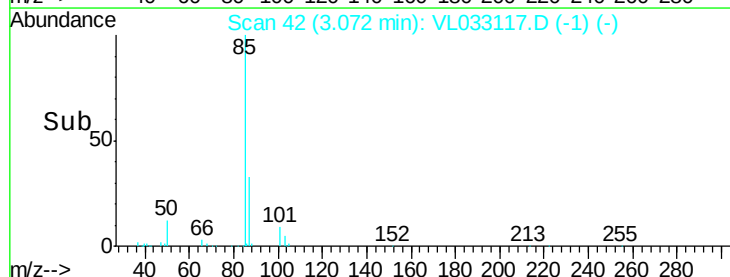
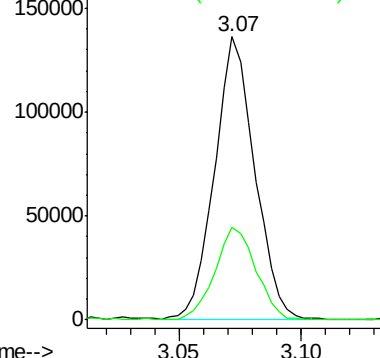
85 100

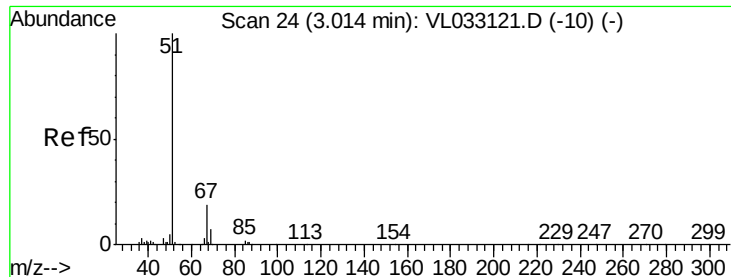
87 32.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.672 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tot Ion: 51 Resp: 86352

Ion Ratio Lower Upper

51 100

67 18.3 16.2 24.2

Instrument :

MSVOA_L

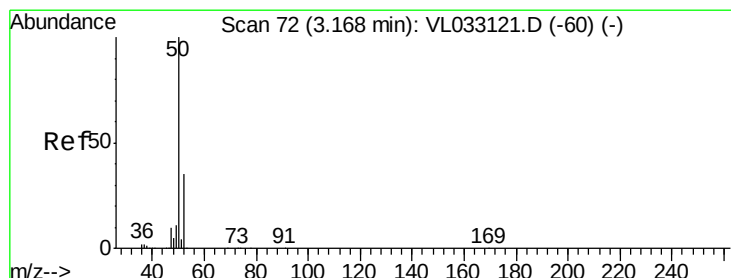
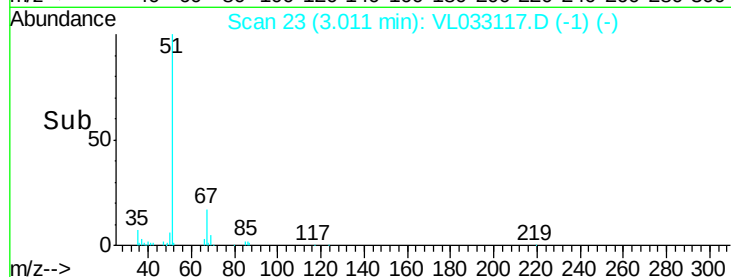
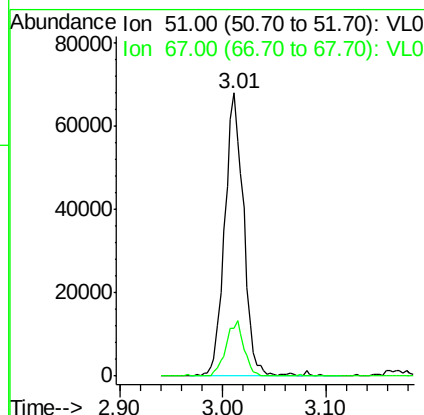
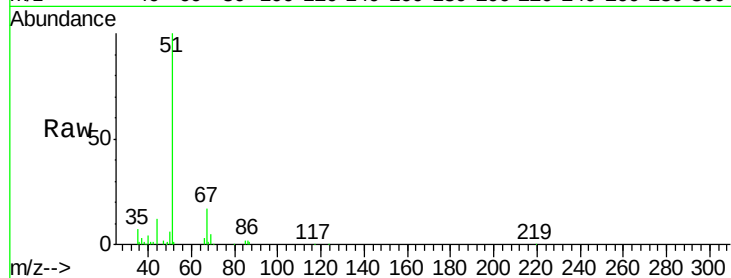
ClientSampleId :

VSTDIC0.5

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#4

Chloromethane

Concen: 0.608 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033117.D

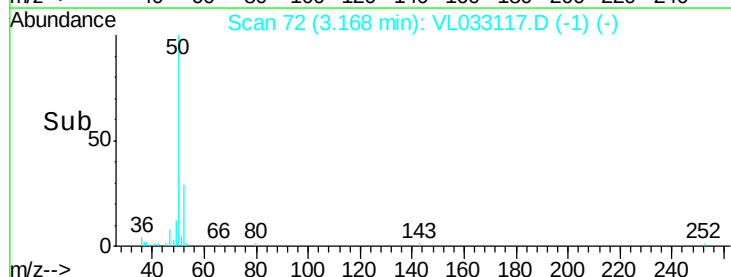
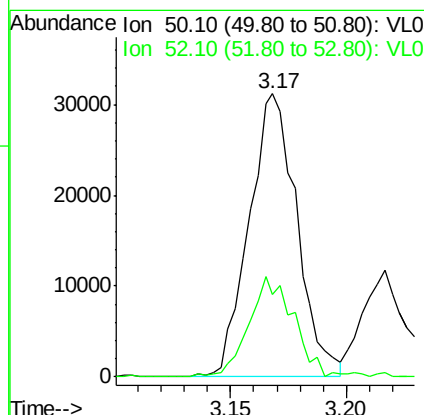
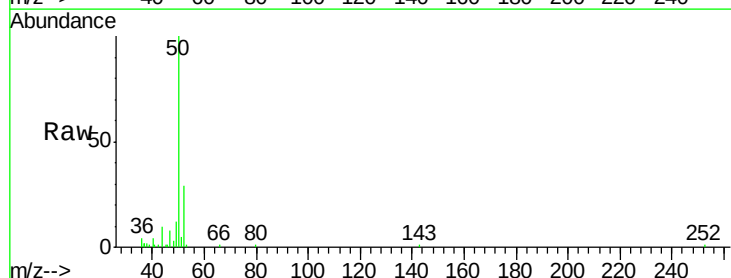
Acq: 28 Jan 2019 17:36

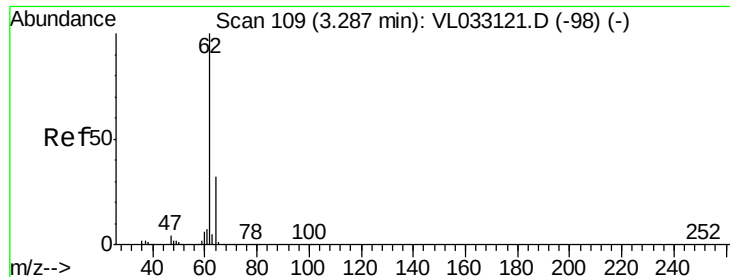
Tgt Ion: 50 Resp: 44798

Ion Ratio Lower Upper

50 100

52 29.1 27.0 40.4





#5

Vinyl Chloride

Concen: 0.592 ppbv

RT: 3.28 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 44043

Ion Ratio Lower Upper

62 100

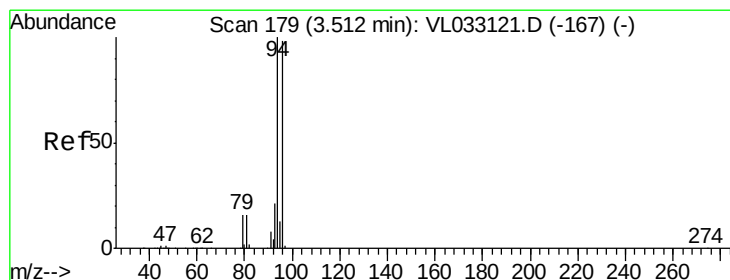
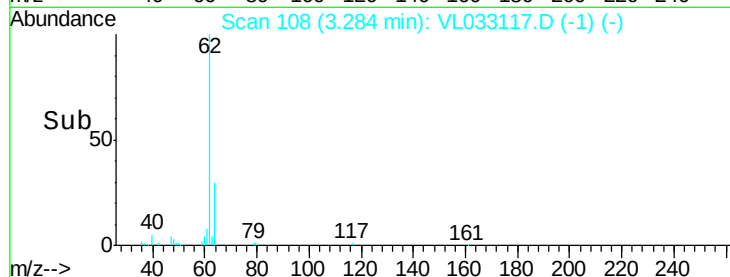
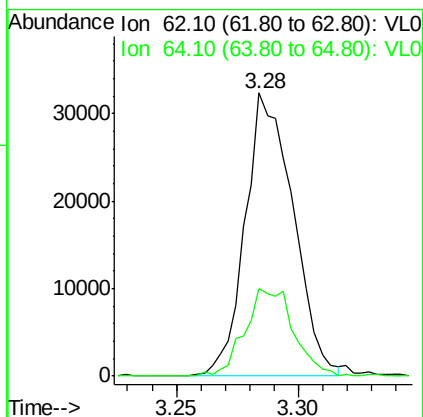
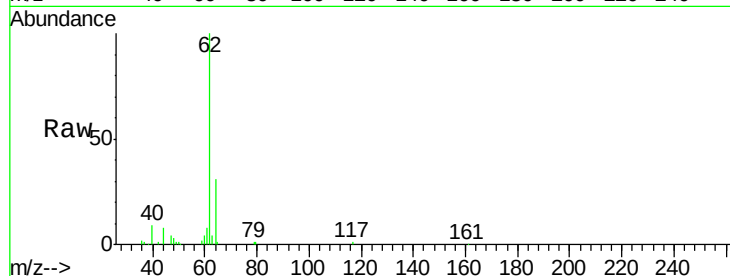
64 30.9 25.7 38.5

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#6

Bromomethane

Concen: 0.597 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033117.D

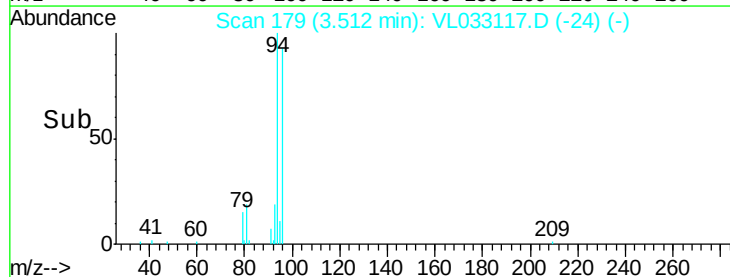
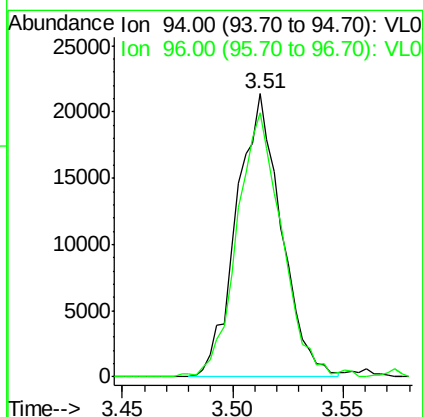
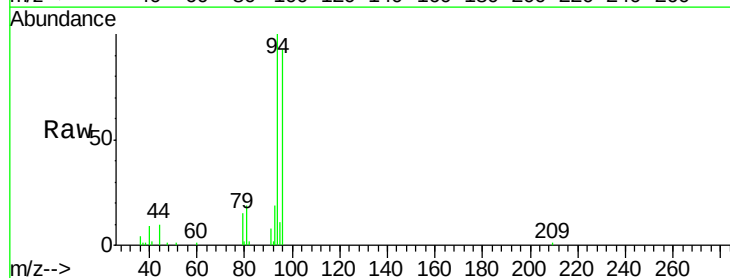
Acq: 28 Jan 2019 17:36

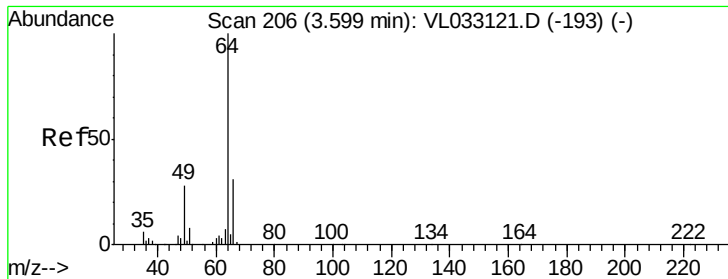
Tgt Ion: 94 Resp: 30136

Ion Ratio Lower Upper

94 100

96 92.3 75.4 113.2





#7

Chloroethane

Concen: 0.620 ppbv

RT: 3.59 min Scan# 204

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 18029

Ion Ratio Lower Upper

64 100

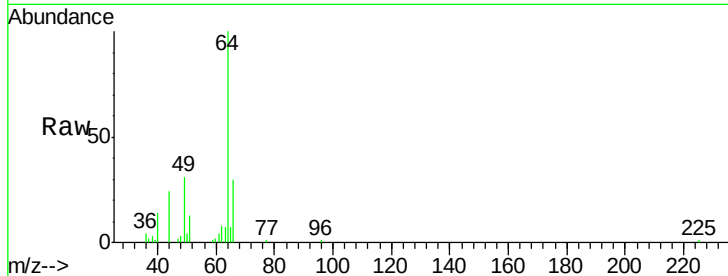
66 30.4 24.0 36.0

Manual Integrations

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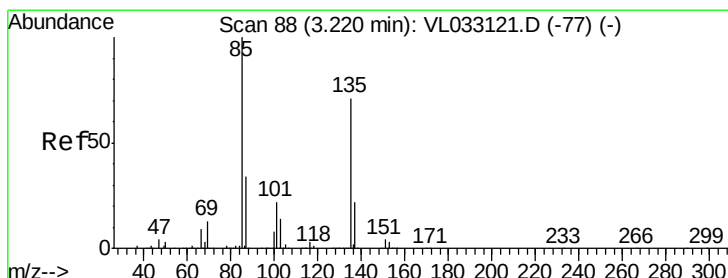
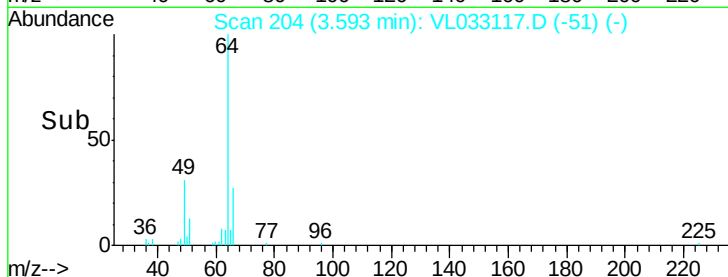
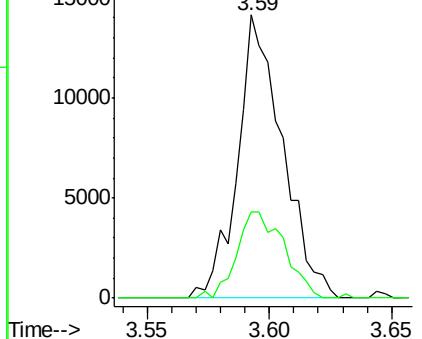
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.674 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.00 min

Lab File: VL033117.D

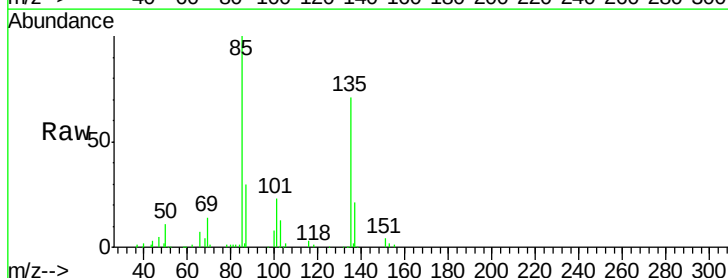
Acq: 28 Jan 2019 17:36

Tgt Ion: 85 Resp: 122788

Ion Ratio Lower Upper

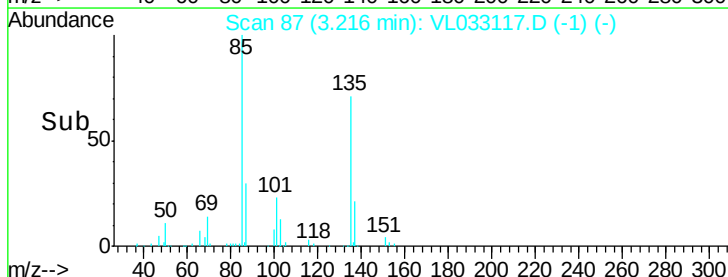
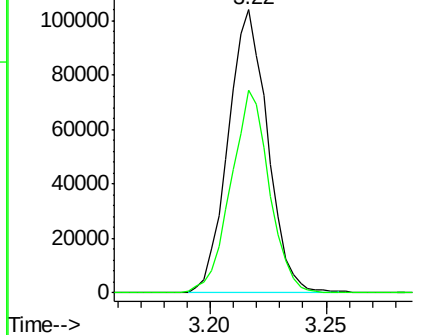
85 100

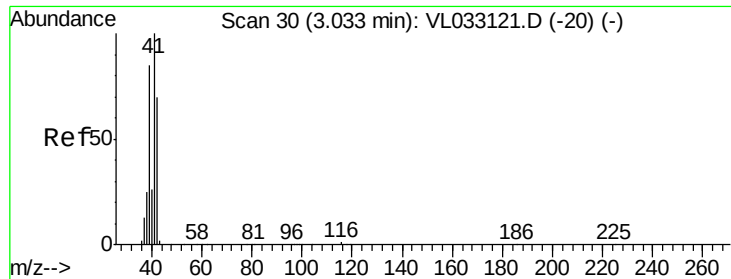
135 69.4 54.8 82.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.603 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 28971

Ion Ratio Lower Upper

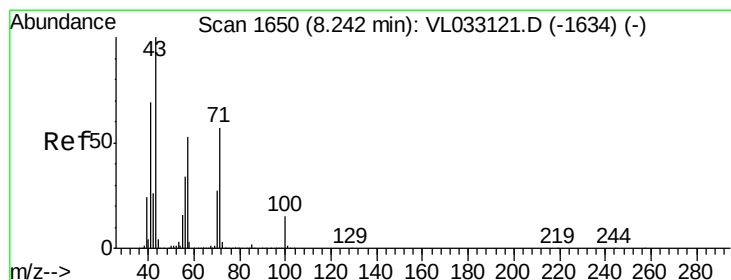
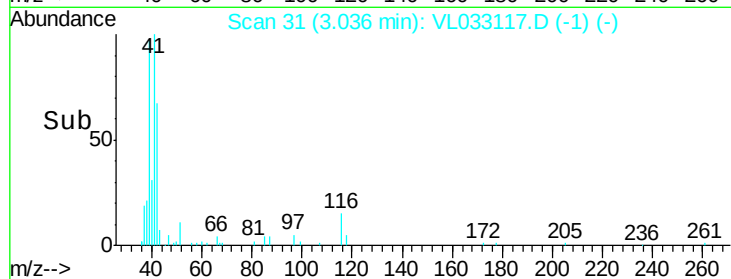
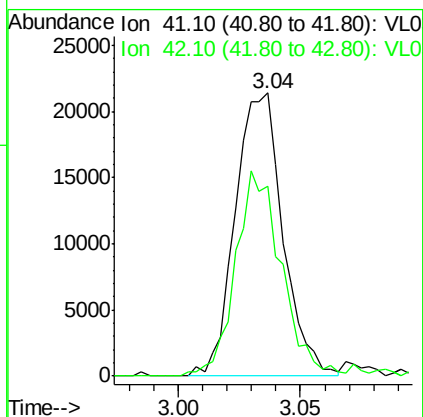
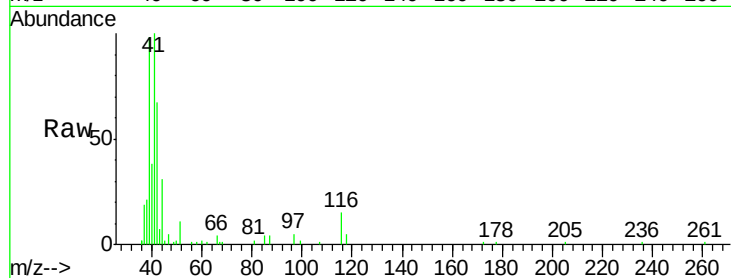
41 100

42 72.4 54.6 82.0

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#10

Heptane

Concen: 0.501 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL033117.D

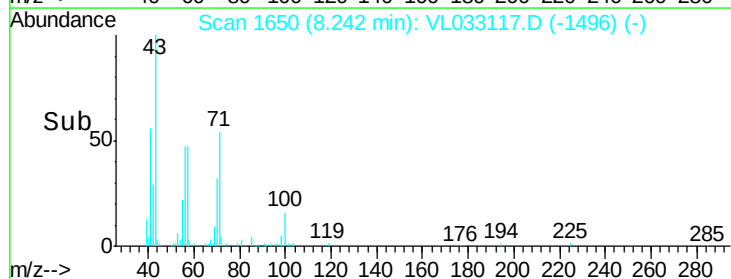
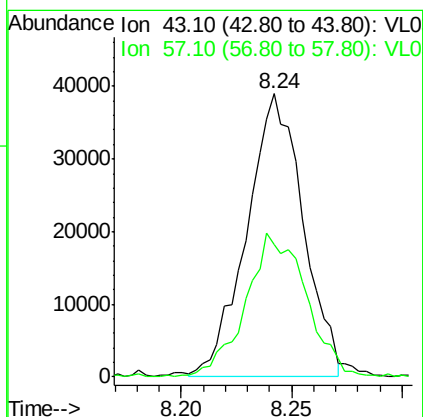
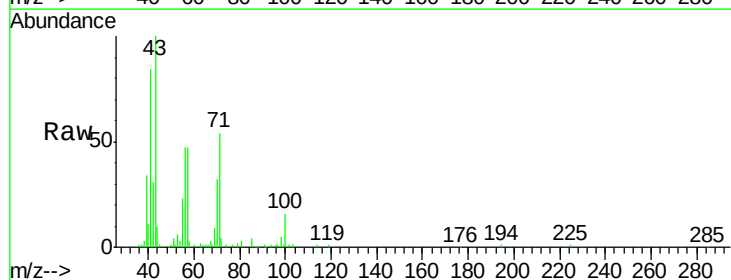
Acq: 28 Jan 2019 17:36

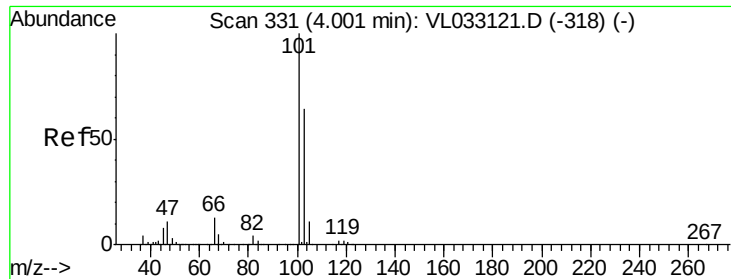
Tgt Ion: 43 Resp: 68554

Ion Ratio Lower Upper

43 100

57 55.0 42.2 63.2





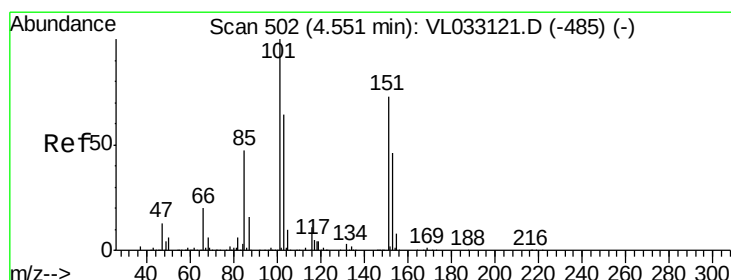
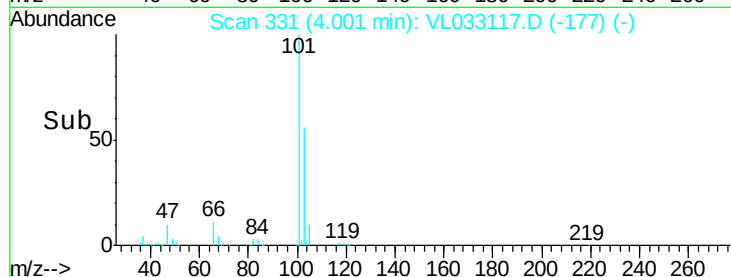
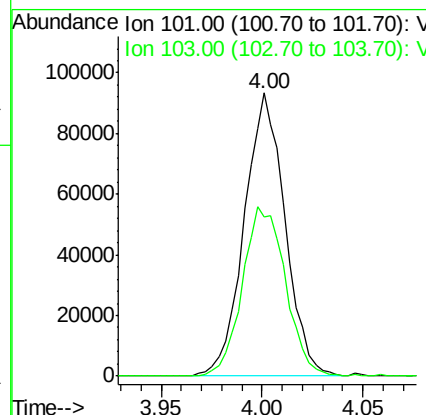
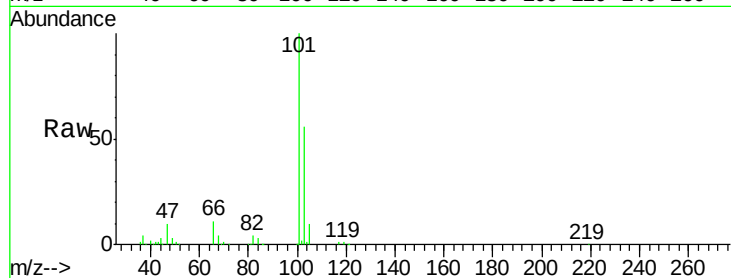
#11
 Trichlorofluoromethane
 Concen: 0.565 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.2	49.4	74.0

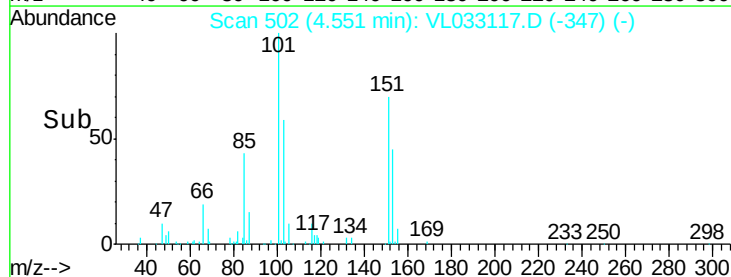
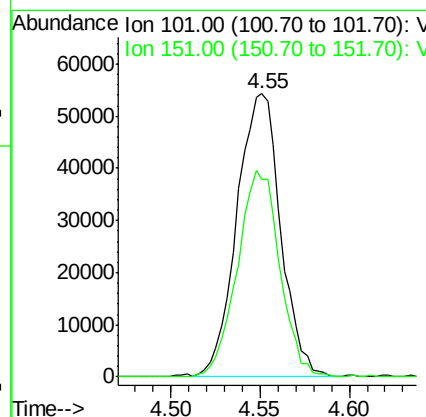
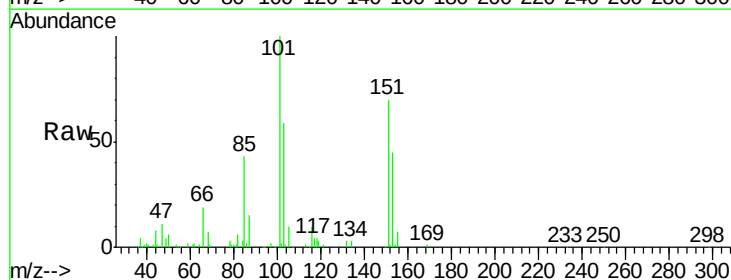
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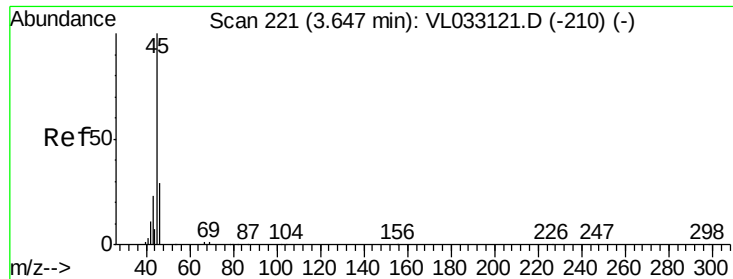
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.631 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
101	100		
151	70.7	57.9	86.9





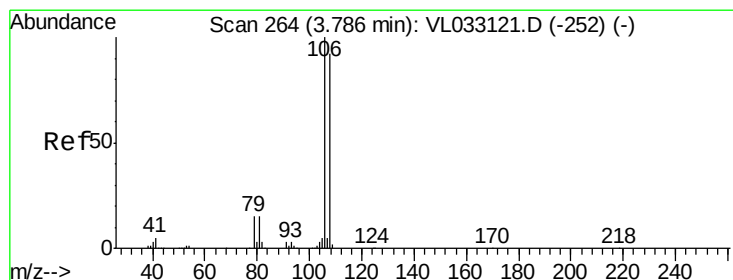
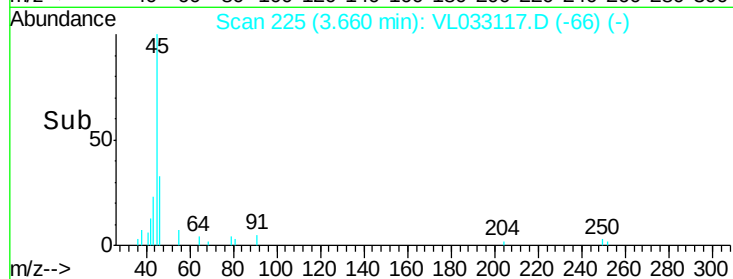
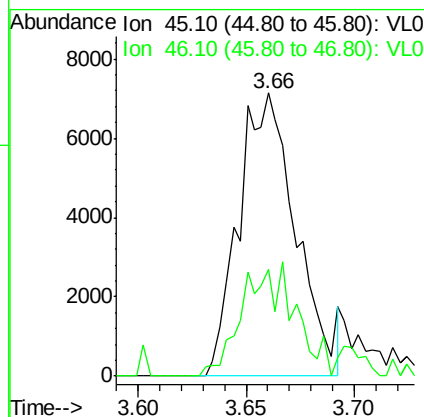
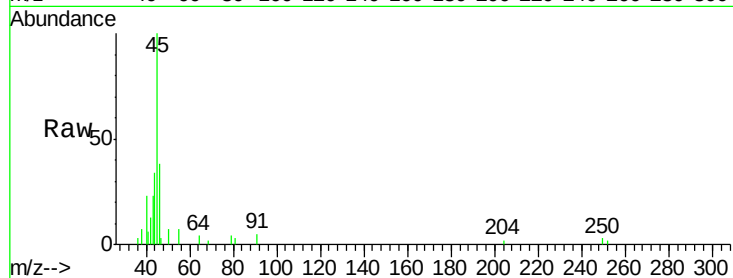
#13
Ethanol
Concen: 0.687 ppbv m
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
46	41.9	15.0	60.2

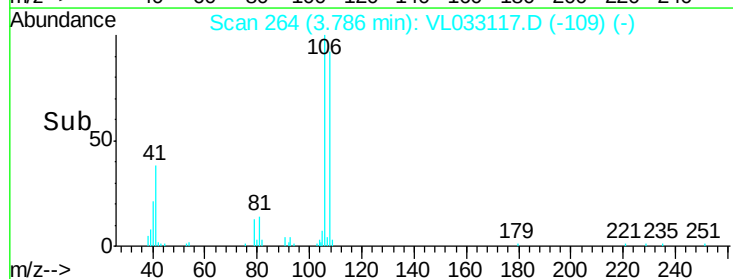
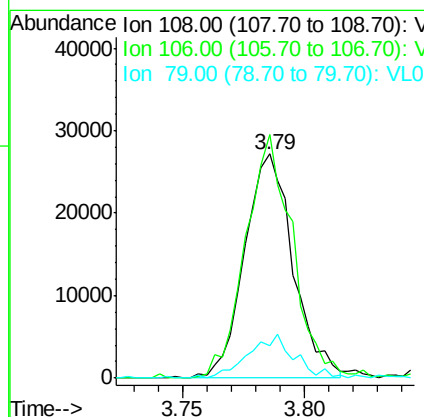
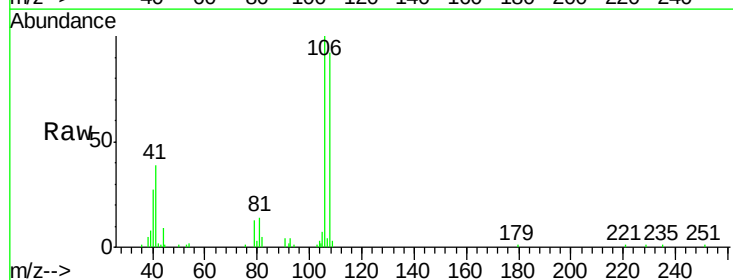
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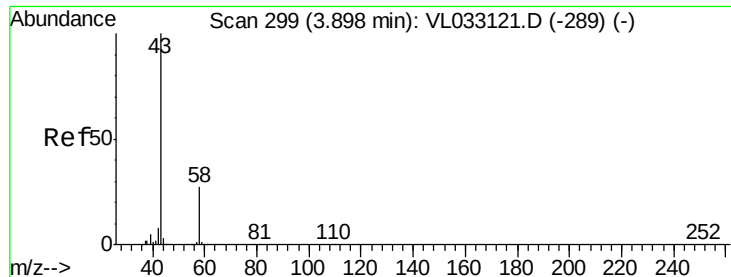
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#14
Bromoethene
Concen: 0.573 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.6	85.5	128.3
79	19.0	13.8	20.6





#15

Acetone

Concen: 0.576 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 90536

Ion Ratio Lower Upper

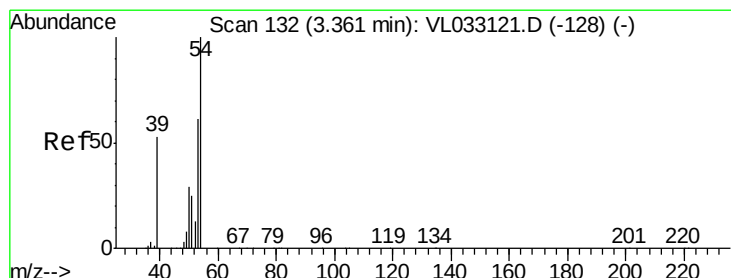
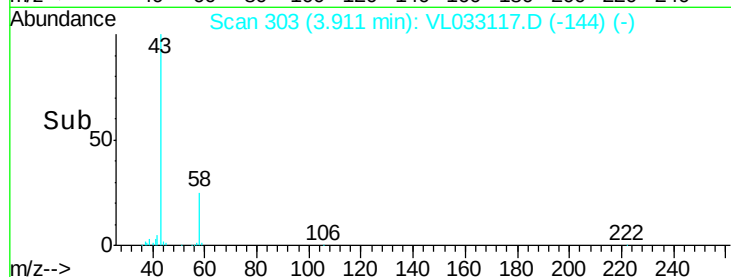
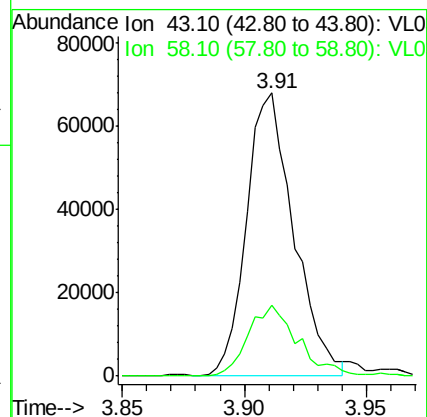
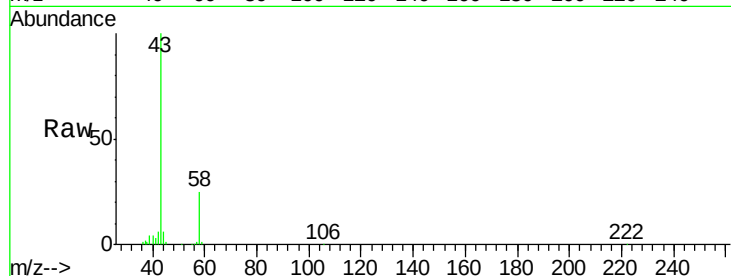
43 100

58 27.0 21.1 31.7

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#16

1,3-Butadiene

Concen: 0.557 ppbv

RT: 3.36 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL033117.D

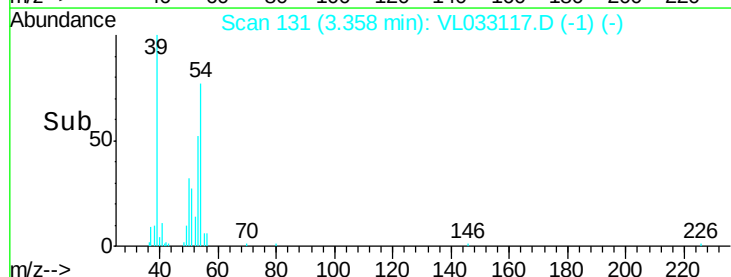
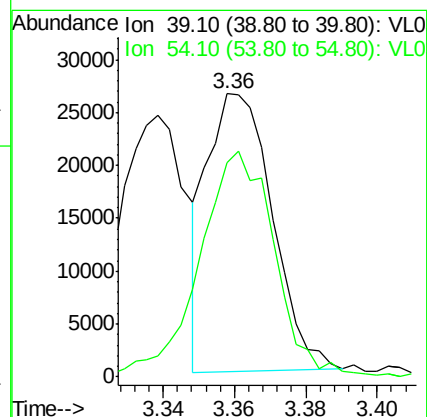
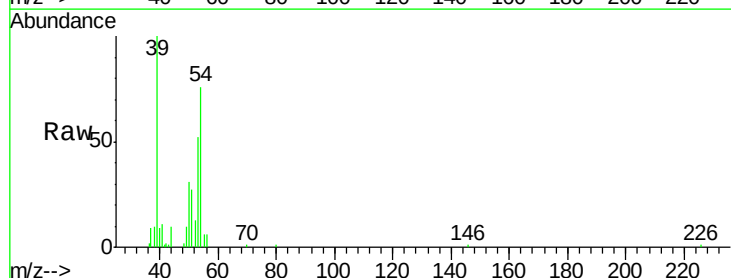
Acq: 28 Jan 2019 17:36

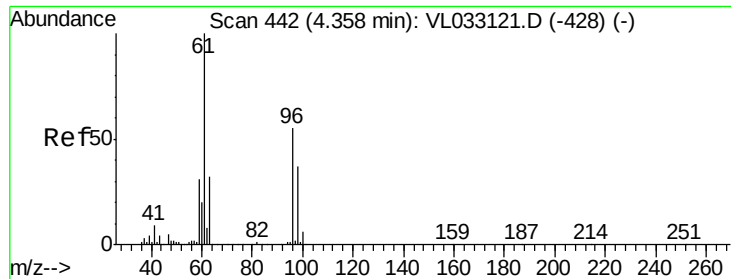
Tgt Ion: 39 Resp: 33041

Ion Ratio Lower Upper

39 100

54 95.6 80.0 120.0





#17

tert-Butyl alcohol

Concen: 0.533 ppbv

RT: 4.38 min Scan# 450

Delta R.T. 0.03 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion: 59 Resp: 17752

Ion Ratio Lower Upper

59 100

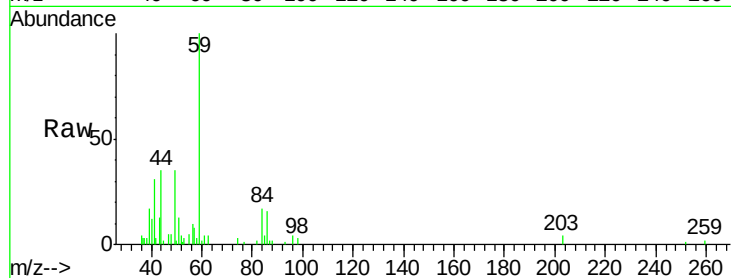
57 0.0 7.4 11.2#

Manual Integrations

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

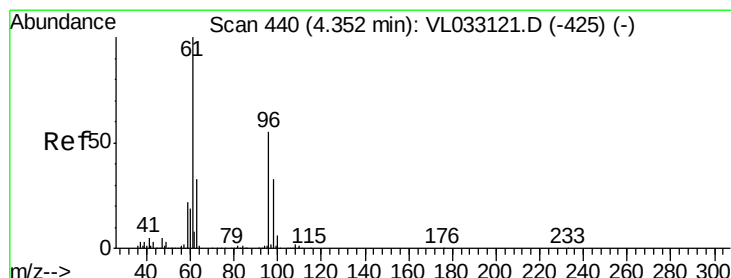
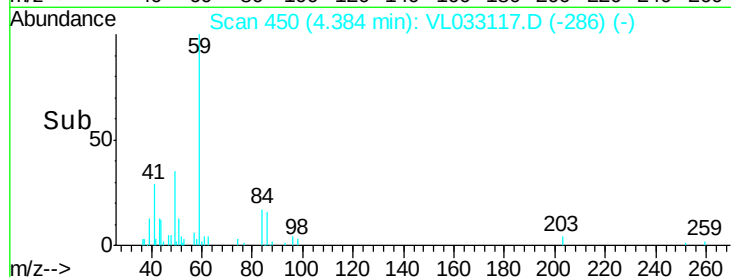
4.38

10000

5000

0

Time-->



#18

1,1-Dichloroethene

Concen: 0.570 ppbv

RT: 4.35 min Scan# 439

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

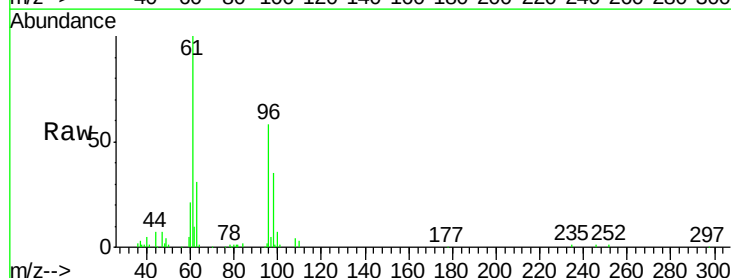
Tgt Ion: 96 Resp: 38750

Ion Ratio Lower Upper

96 100

61 171.7 142.6 213.8

98 60.1 51.4 77.0



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

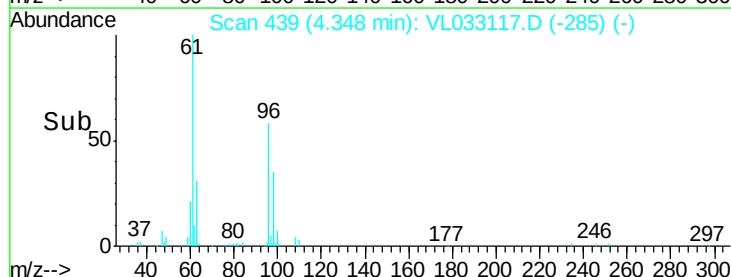
60000

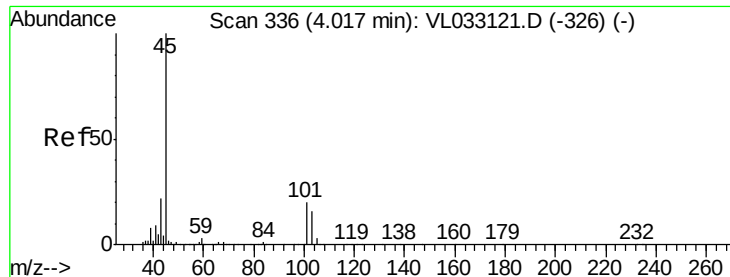
40000

20000

0

Time-->





#19

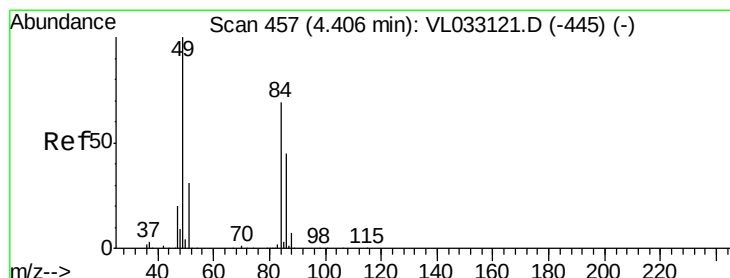
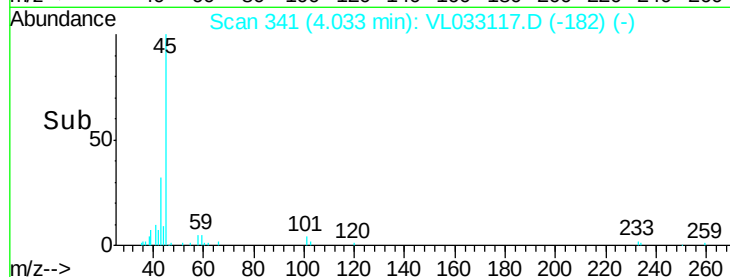
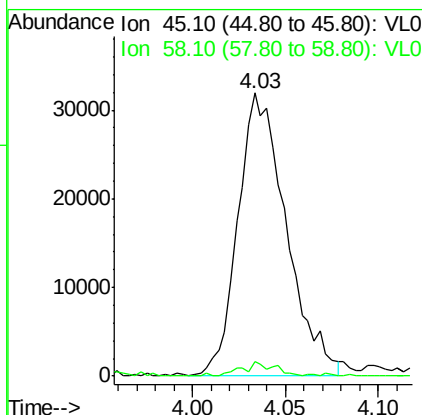
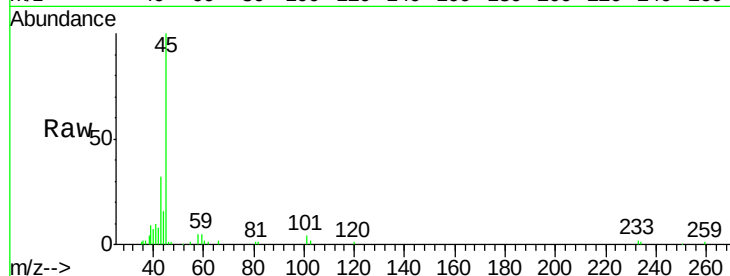
Isopropyl Alcohol
 Concen: 0.536 ppbv
 RT: 4.03 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.9	1.4	2.2#

Manual Integrations
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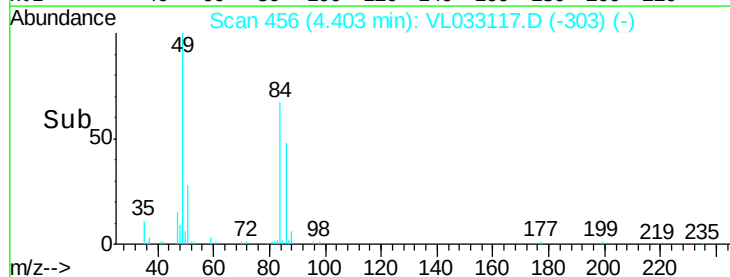
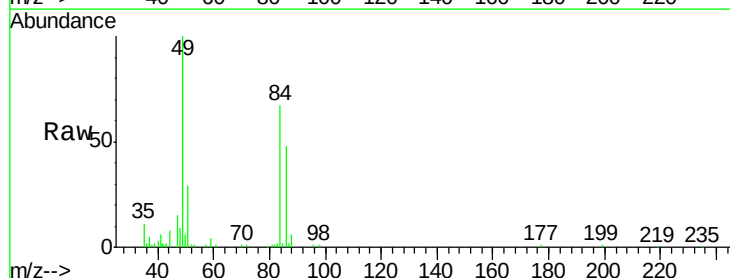
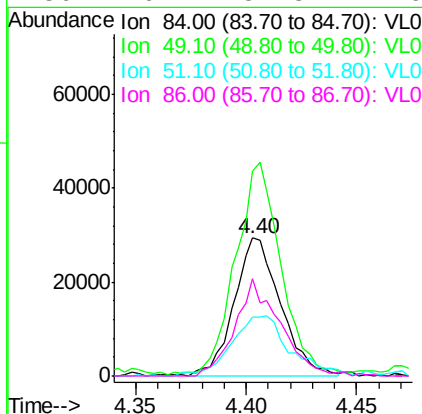
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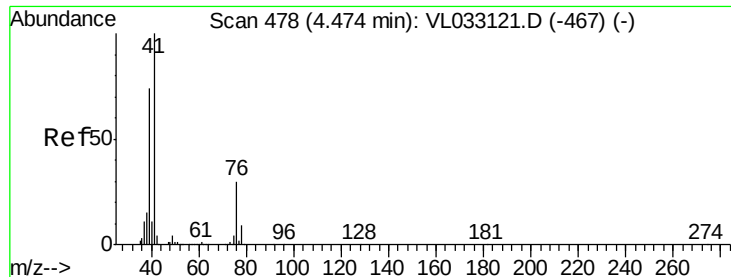


#20

Methylene Chloride
 Concen: 0.656 ppbv
 RT: 4.40 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.8	113.8	170.6
51	40.8	34.5	51.7
86	70.7	51.8	77.6





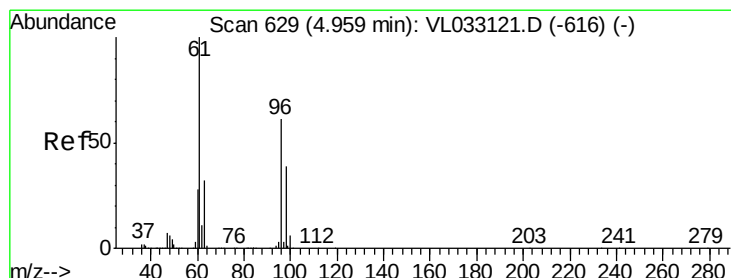
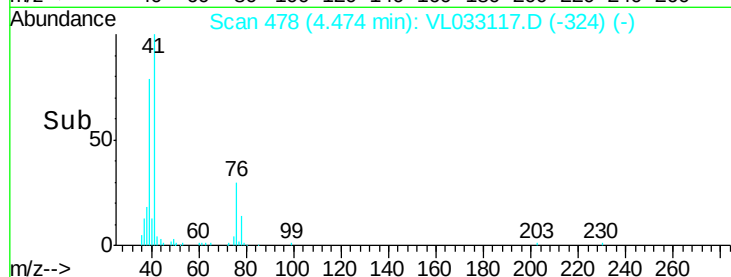
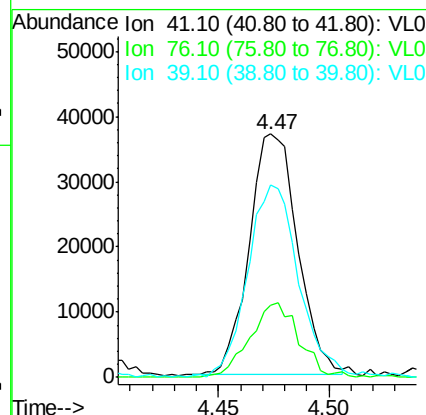
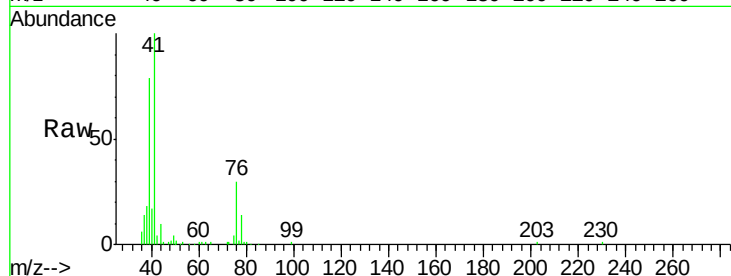
#21
 Allvl Chloride
 Concen: 0.581 ppbv
 RT: 4.47 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.5	24.6	37.0
39	85.1	63.3	94.9

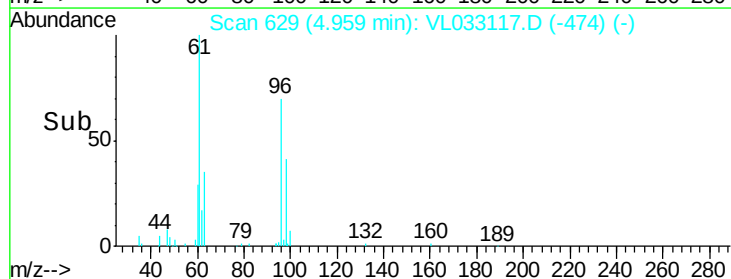
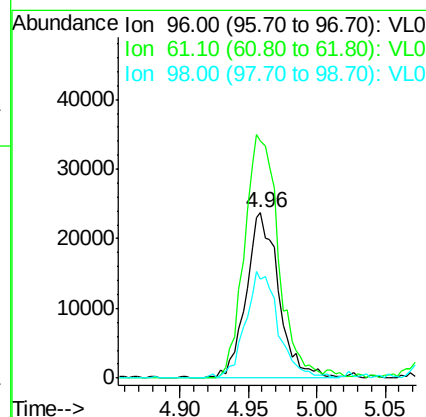
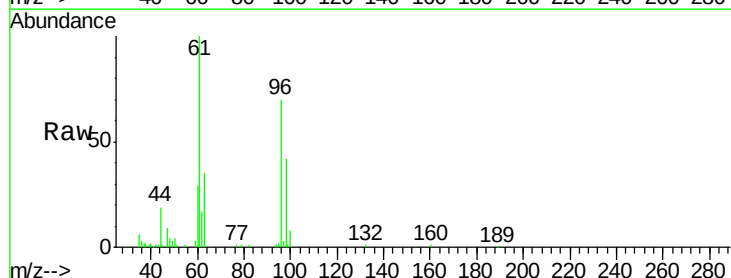
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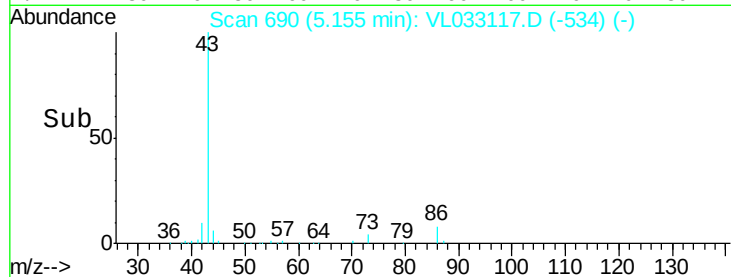
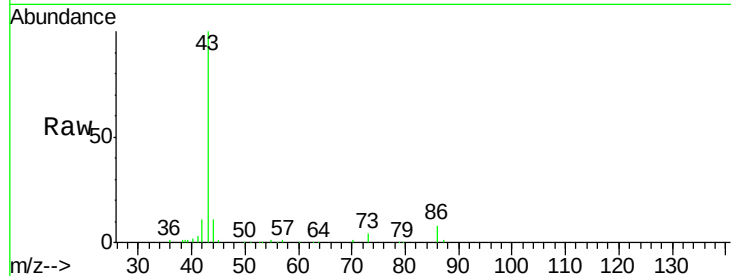
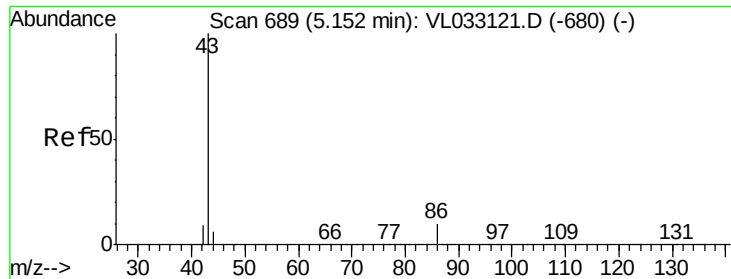
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#22
 trans-1,2-Dichloroethene
 Concen: 0.582 ppbv m
 RT: 4.96 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.5	127.6	191.4
98	60.0	48.6	73.0





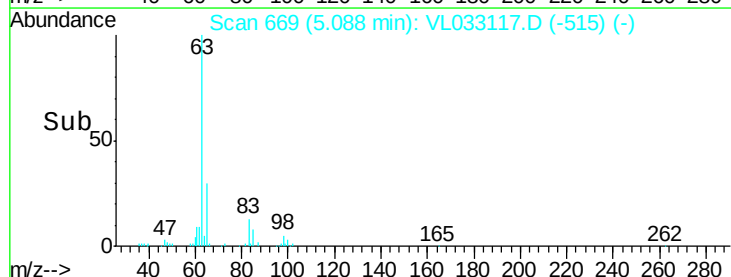
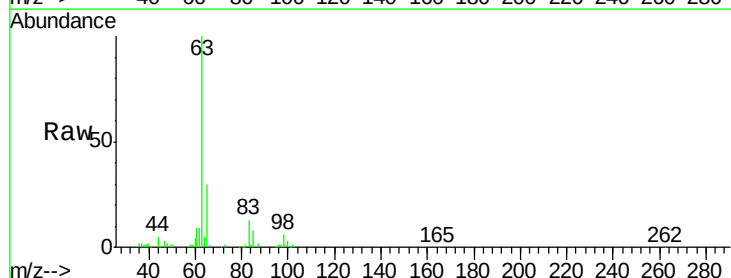
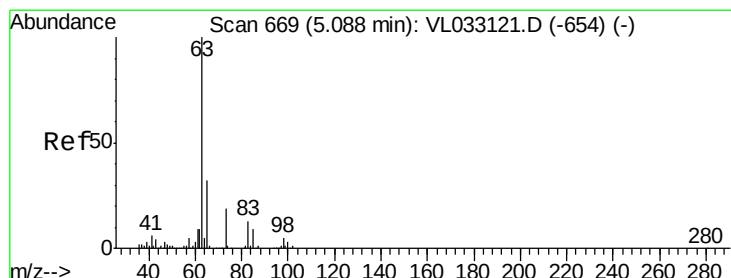
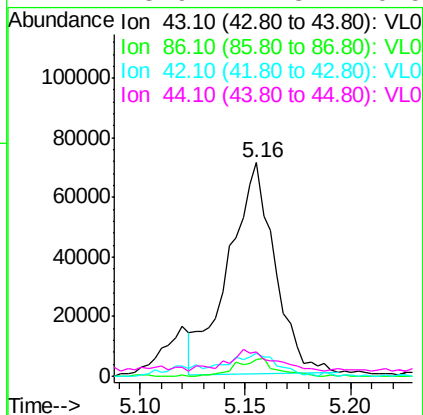
#23
 Vinyl Acetate
 Concen: 0.543 ppbv
 RT: 5.16 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tot Ion	43	Resp	108574
Ion Ratio	Lower	Upper	
43	100		
86	7.9	6.7	10.1
42	10.9	8.1	12.1
44	8.9	4.3	6.5

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

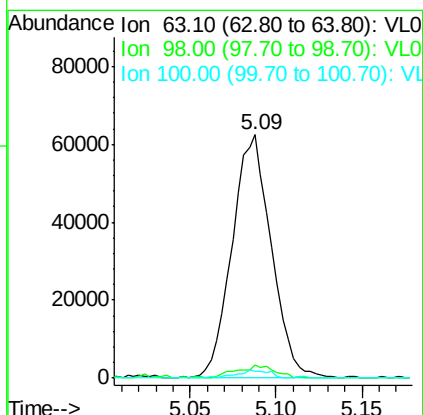
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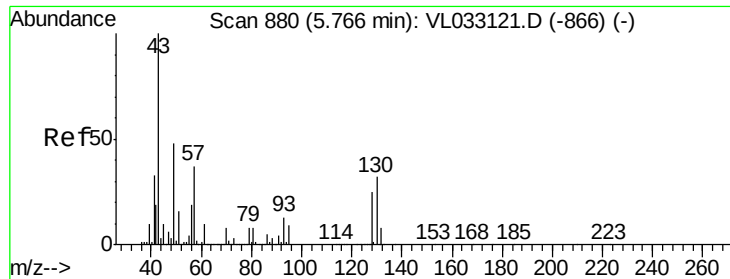
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#24
 1,1-Dichloroethane
 Concen: 0.584 ppbv
 RT: 5.09 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion	63	Resp	99185
Ion Ratio	Lower	Upper	
63	100		
98	6.8	2.5	7.4
100	2.8	1.4	4.2





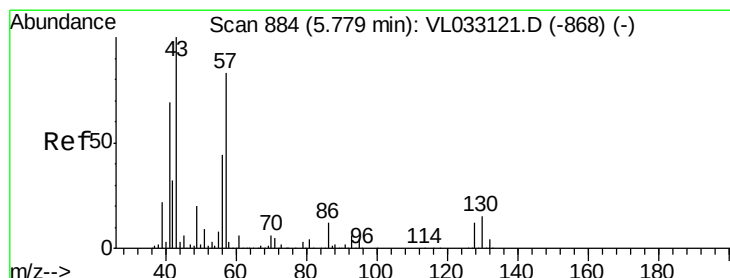
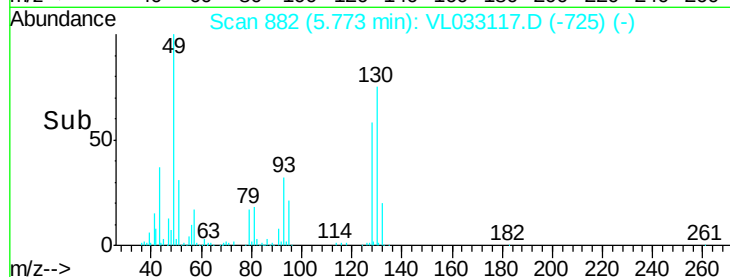
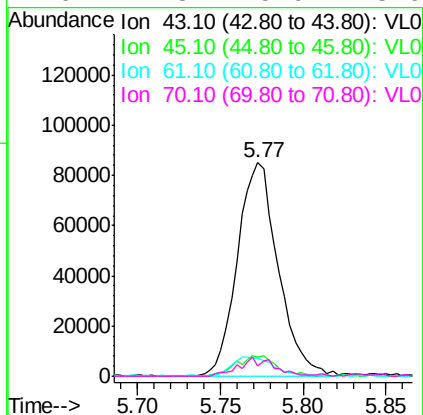
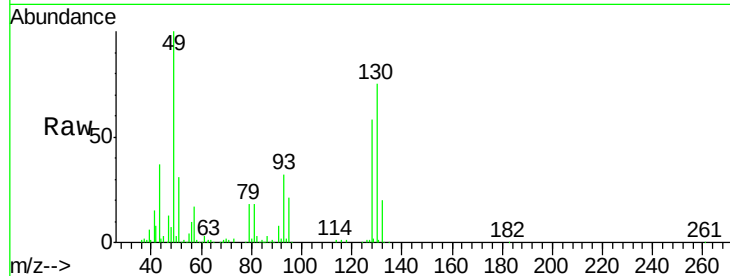
#25
Ethyl Acetate
Concen: 0.548 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.1	8.0	12.0		
61	9.5	7.6	11.4		
70	7.8	5.9	8.9		

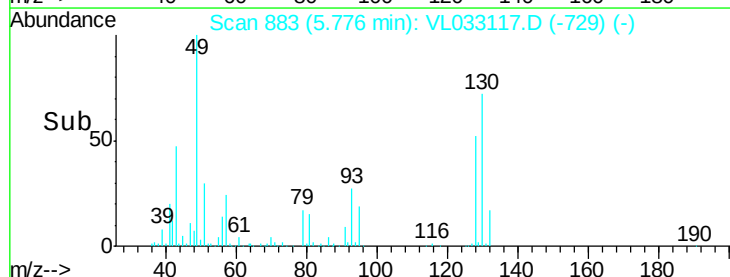
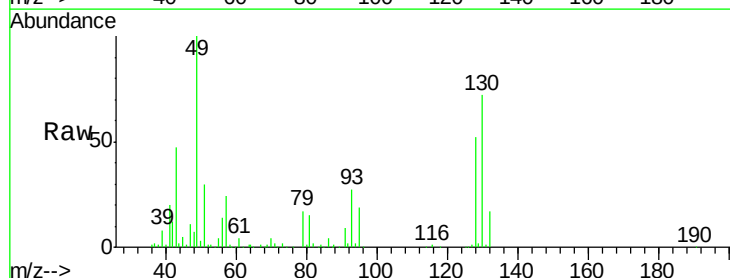
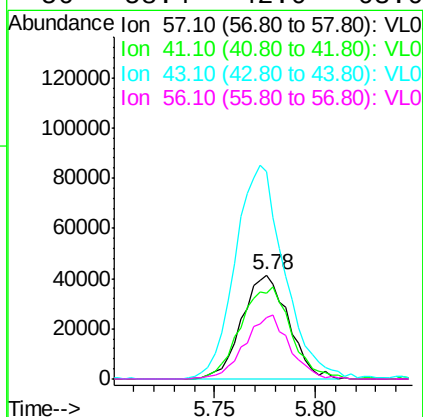
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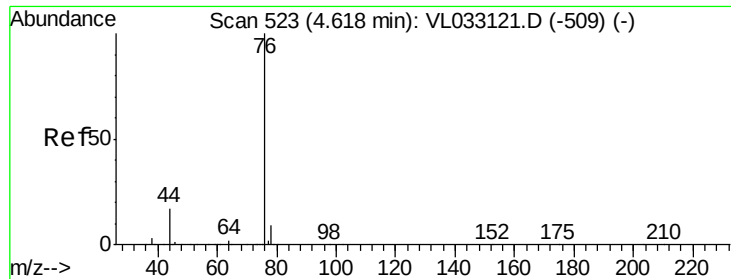
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#26
Hexane
Concen: 0.539 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	96.4	69.9	104.9		
43	218.9	169.0	253.4		
56	58.4	42.0	63.0		





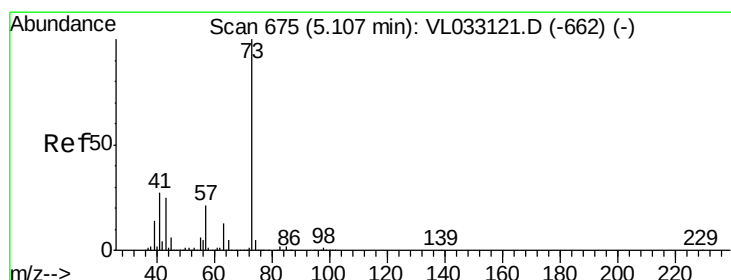
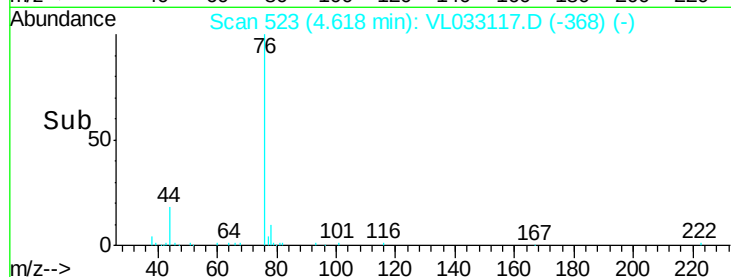
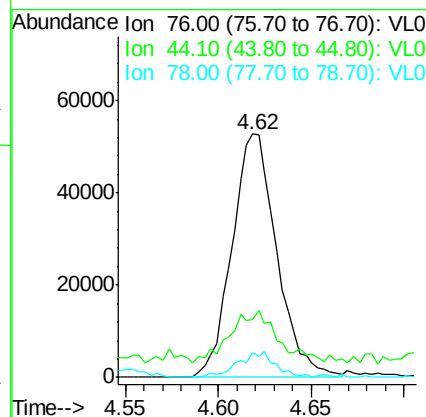
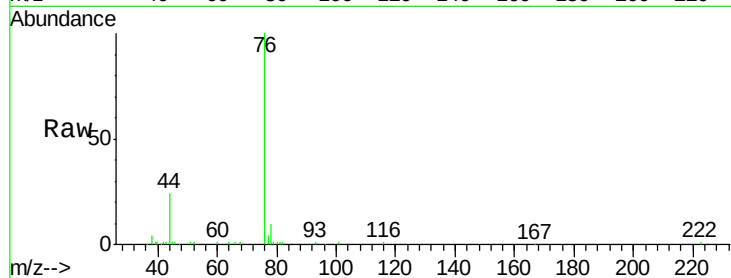
#27
Carbon Disulfide
Concen: 0.573 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
44	22.9	15.0	22.4#
78	9.5	7.6	11.4

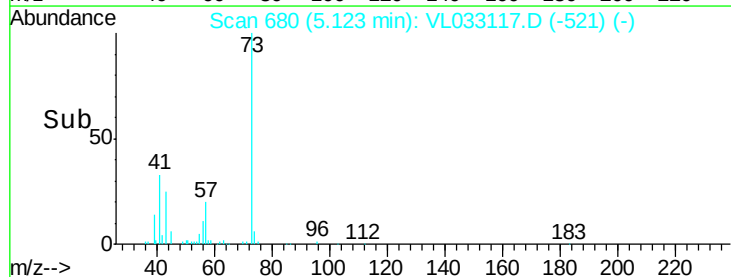
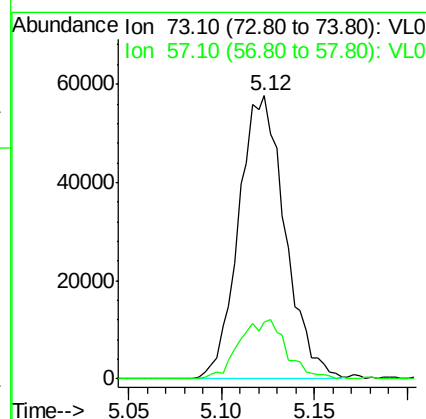
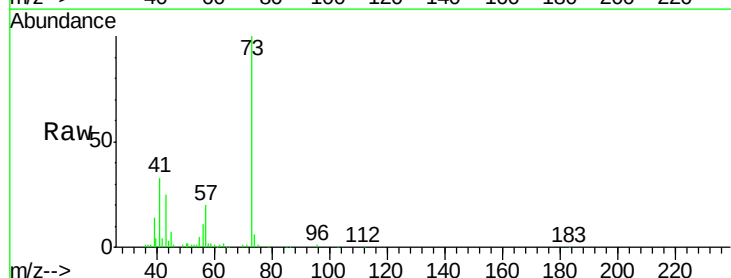
Manual Integrations
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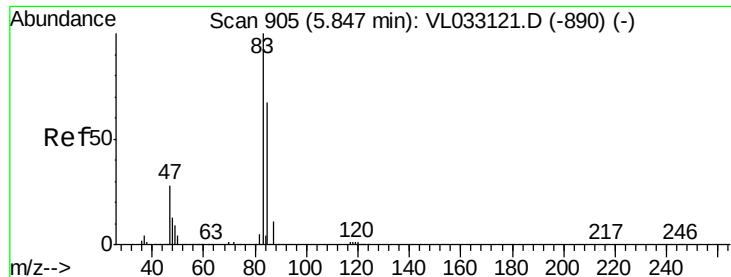
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#28
Methyl tert-Butyl Ether
Concen: 0.512 ppbv
RT: 5.12 min Scan# 680
Delta R.T. 0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.6	26.4





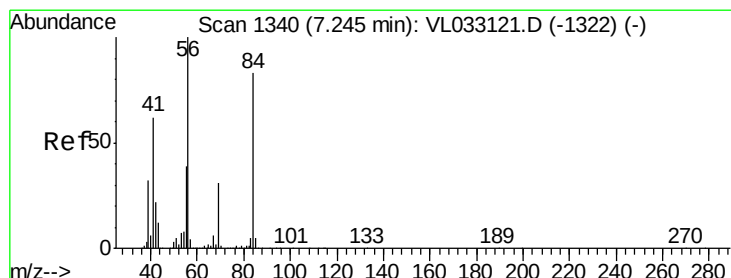
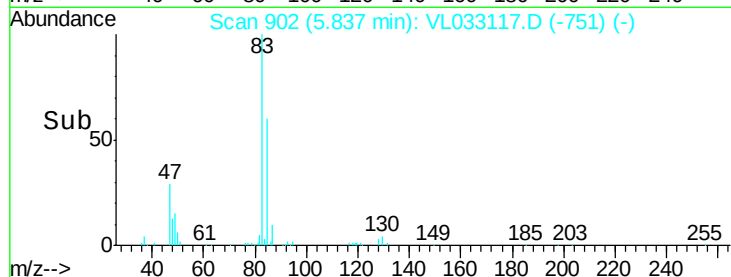
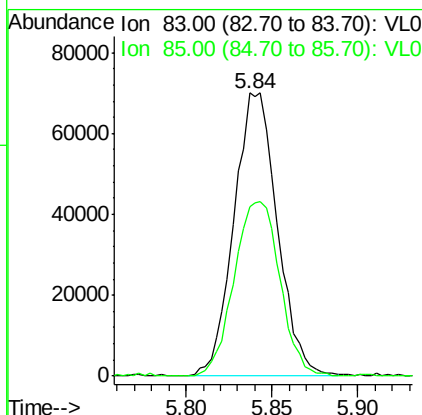
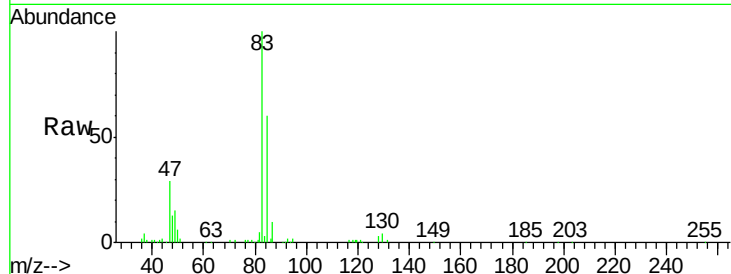
#29
Chloroform
Concen: 0.576 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	122885
Ion Ratio	Lower	Upper	
83	100		
85	59.9	50.4	75.6

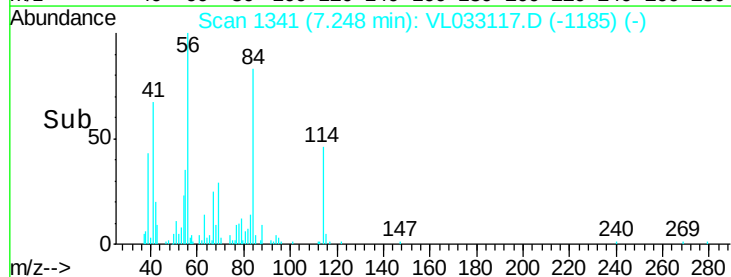
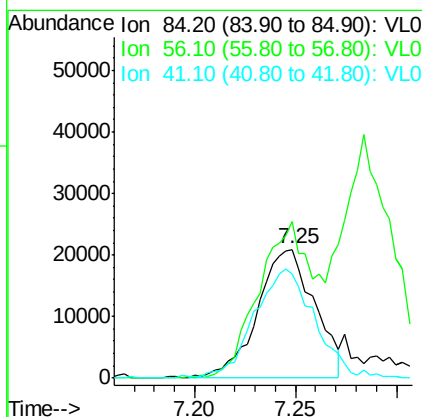
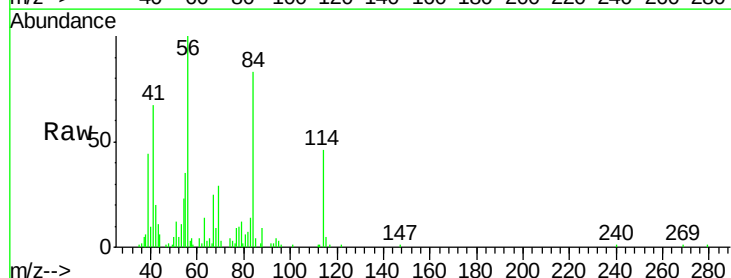
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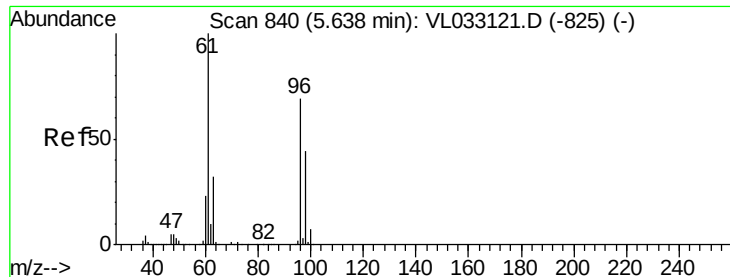
apatel
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#30
Cyclohexane
Concen: 0.440 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion	84	Resp	41091
Ion Ratio	Lower	Upper	
84	100		
56	103.4	102.4	153.6
41	90.3	62.7	94.1





#31

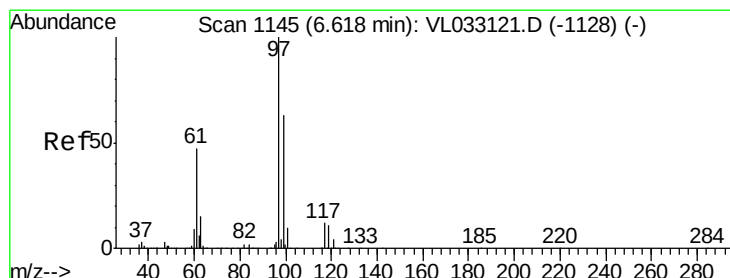
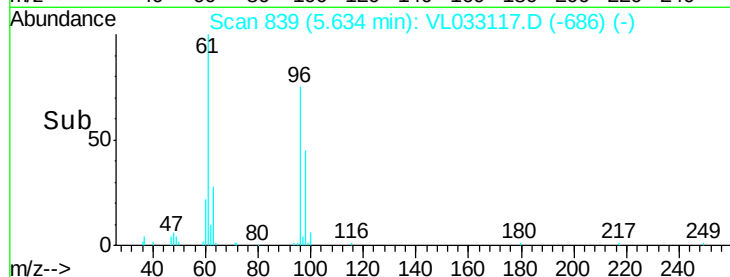
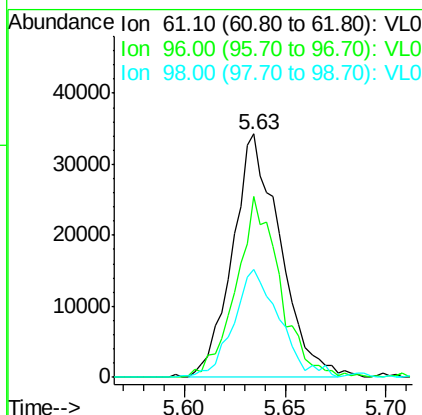
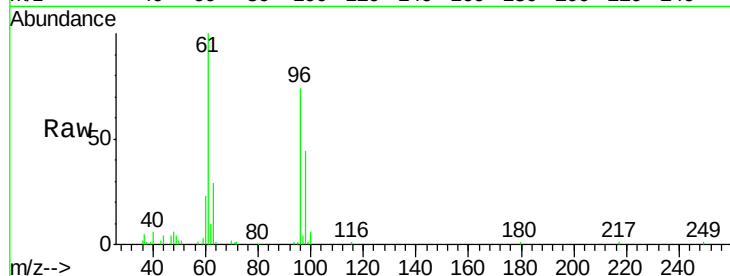
cis-1,2-Dichloroethene
 Concen: 0.488 ppbv
 RT: 5.63 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	73.6	57.6	86.4
98	44.2	37.0	55.4

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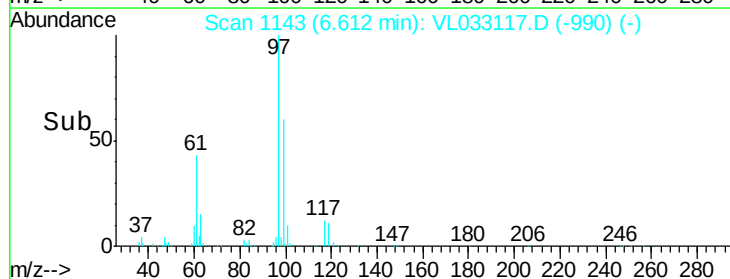
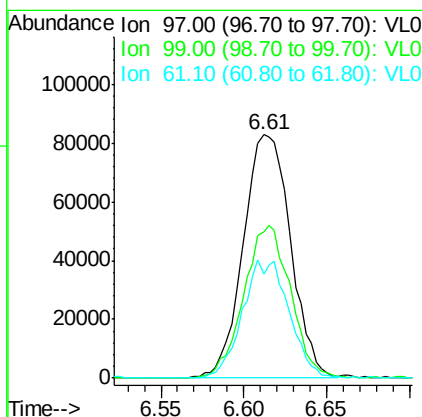
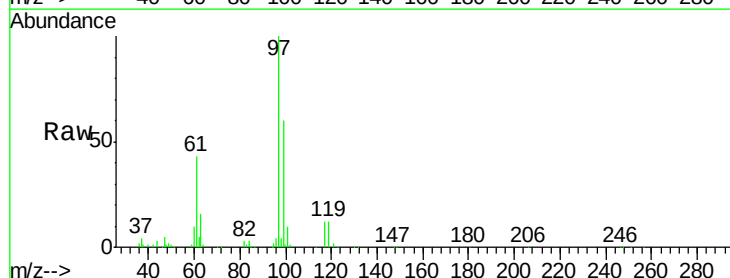
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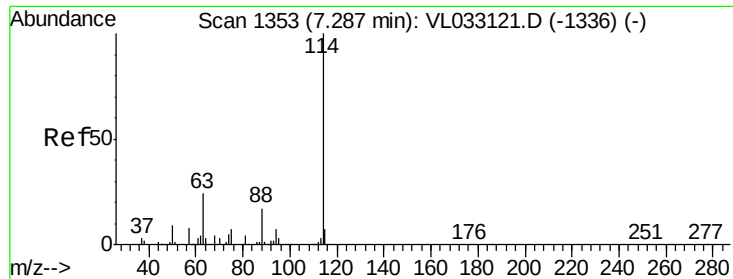


#32

1,1,1-Trichloroethane
 Concen: 0.759 ppbv
 RT: 6.61 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.7	77.5
61	47.9	38.6	57.8





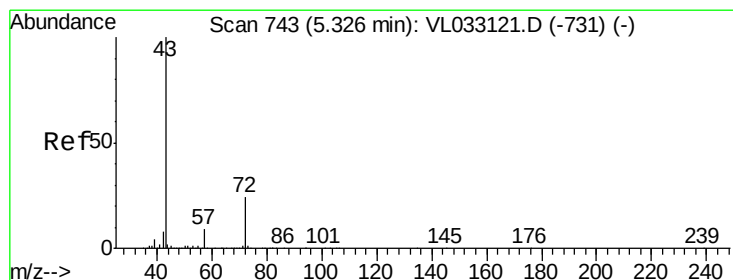
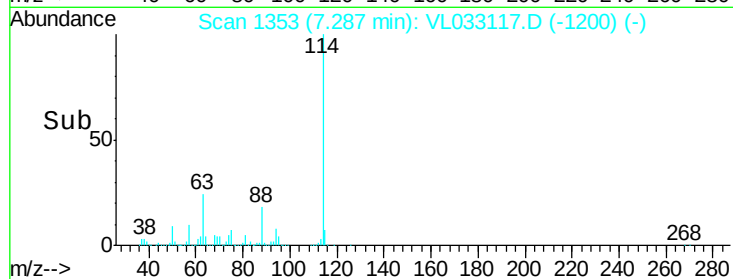
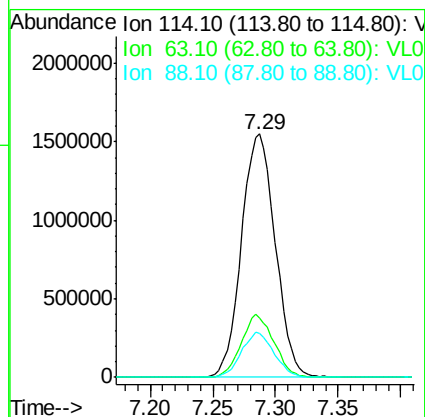
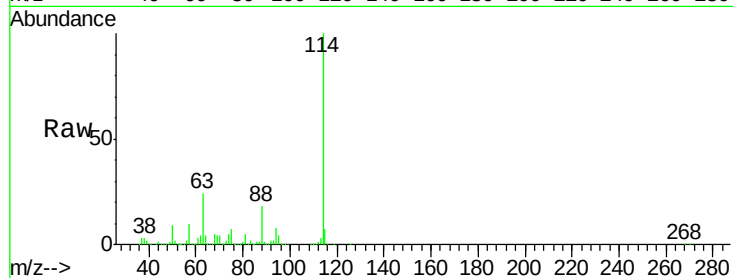
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.8	29.8
88	17.8	14.2	21.2

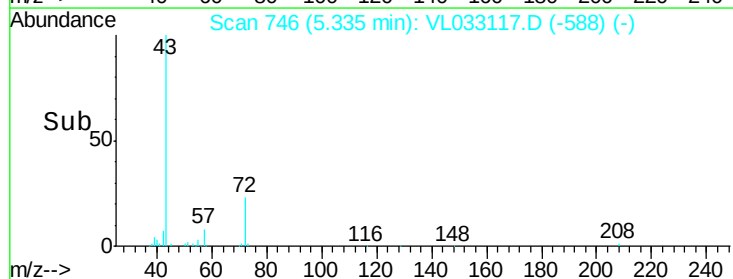
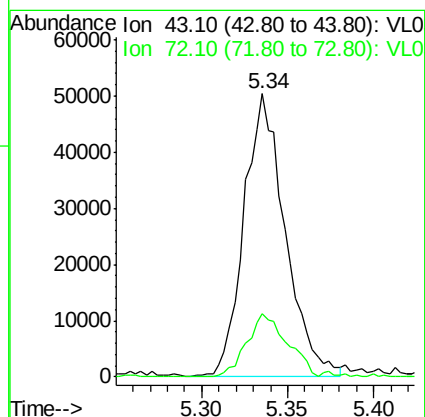
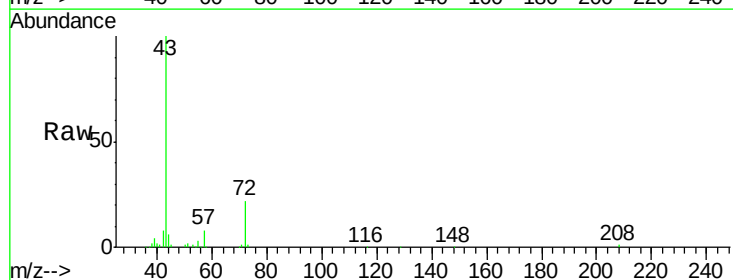
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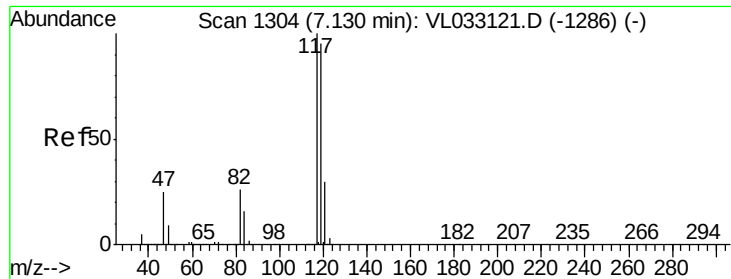
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#34
 2-Butanone
 Concen: 0.498 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.7	28.1





#35

Carbon Tetrachloride

Concen: 0.654 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

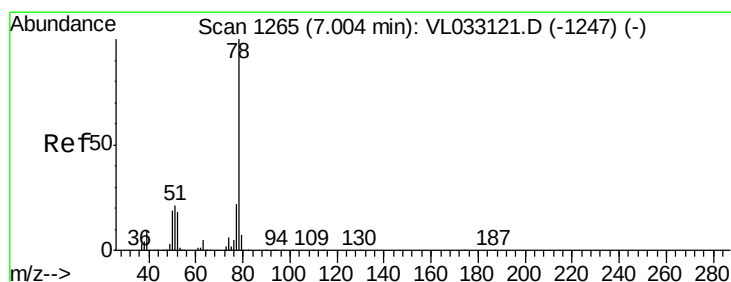
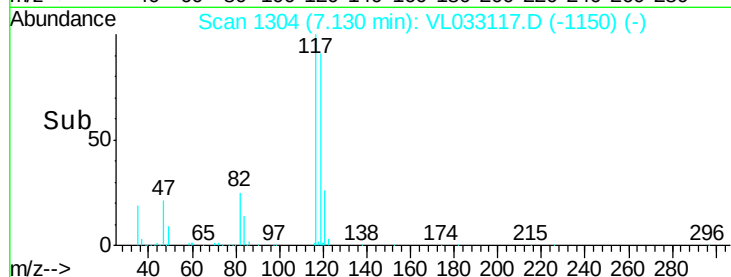
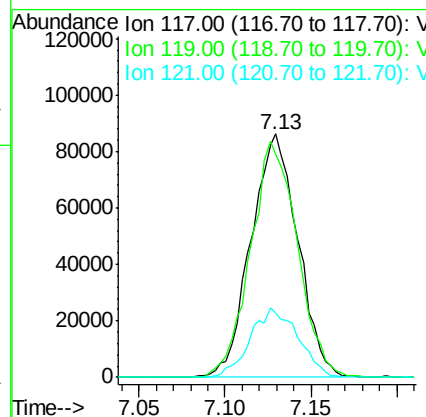
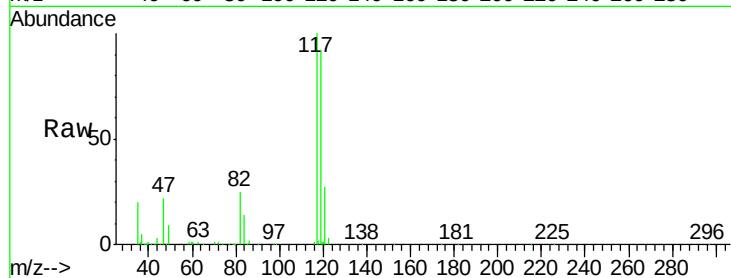
ClientSampleId :

VSTDIC0.5

Tot Ion:	117	Resp:	163205
Ion Ratio	Lower	Upper	
117	100		
119	92.6	75.8	113.6
121	26.7	24.6	36.8

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#36

Benzene

Concen: 0.654 ppbv

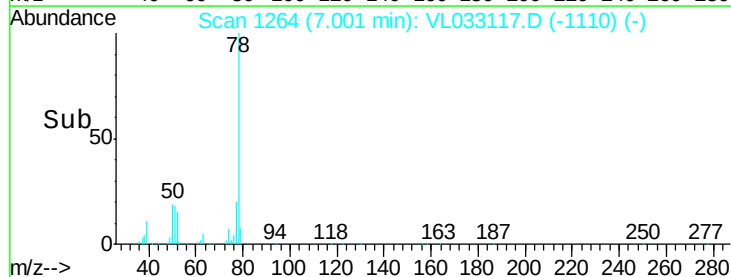
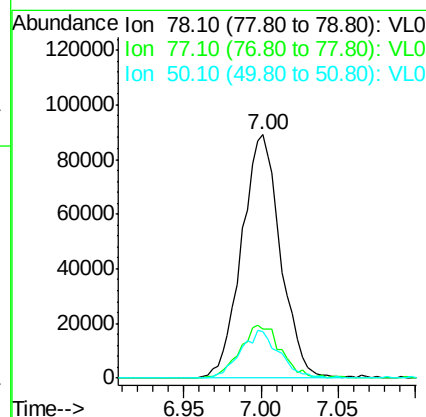
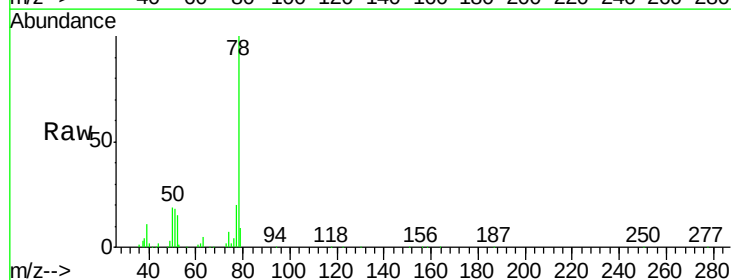
RT: 7.00 min Scan# 1264

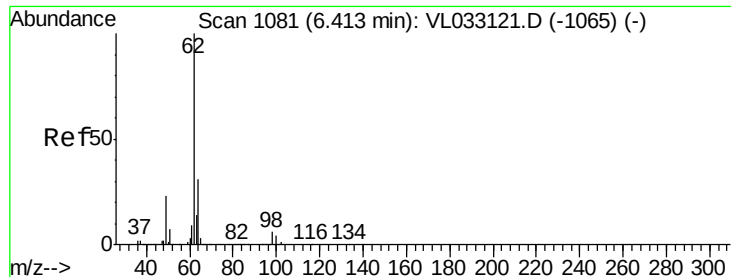
Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion:	78	Resp:	155520
Ion Ratio	Lower	Upper	
78	100		
77	19.9	18.5	27.7
50	18.8	15.4	23.2





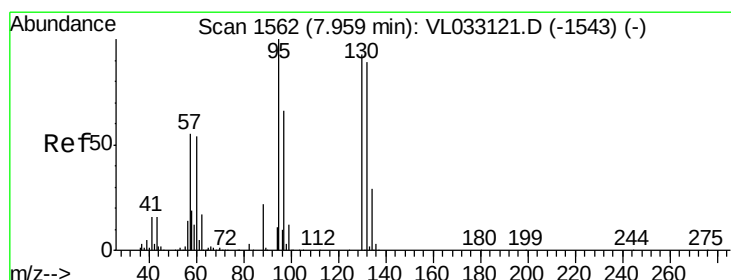
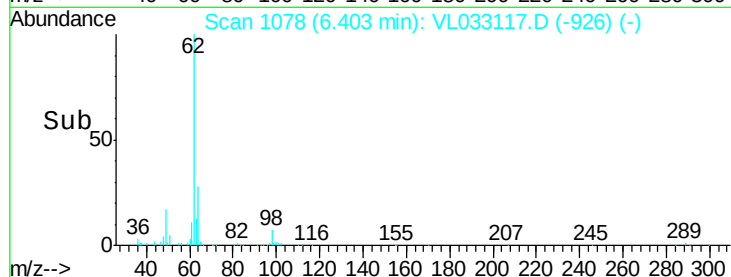
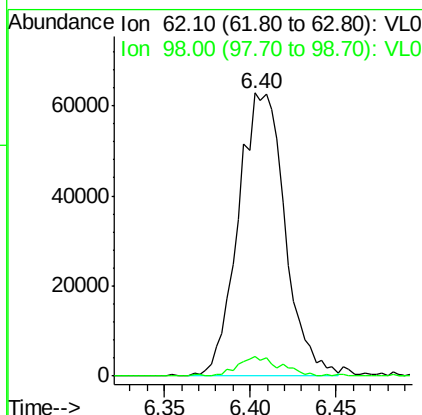
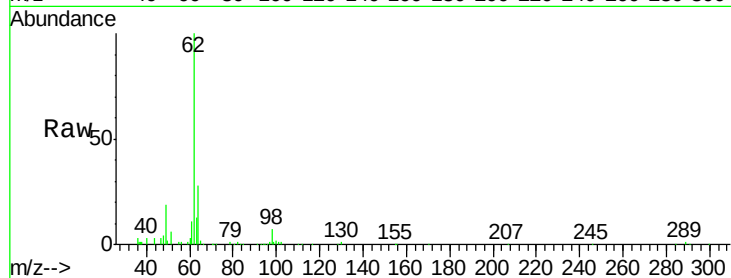
#37
 1,2-Dichloroethane
 Concen: 0.715 ppbv
 RT: 6.40 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.6	4.6	7.0

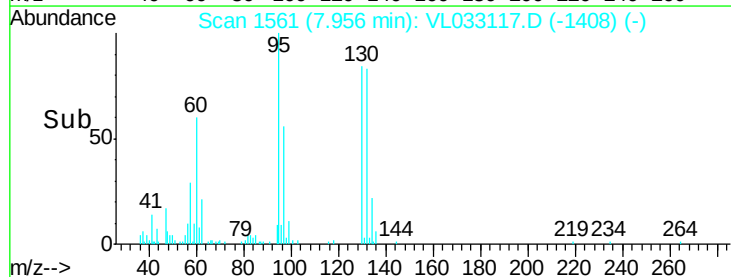
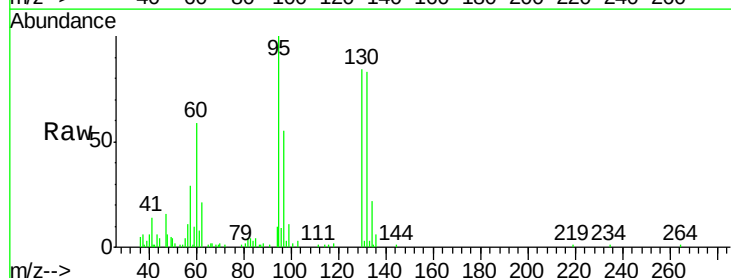
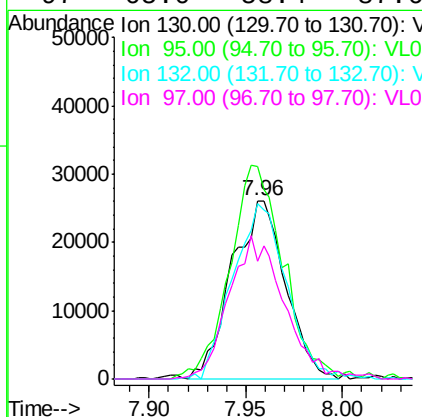
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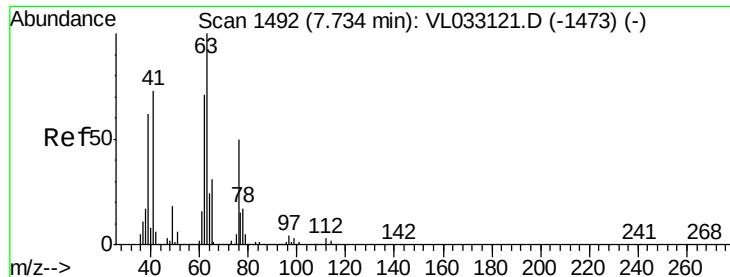
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#38
 Trichloroethene
 Concen: 0.515 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.1	94.0	141.0
132	97.9	79.7	119.5
97	65.0	58.4	87.6





#39

1,2-Dichloropropane

Concen: 0.530 ppbv

RT: 7.73 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

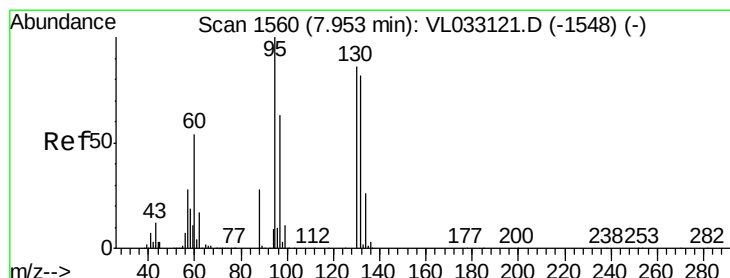
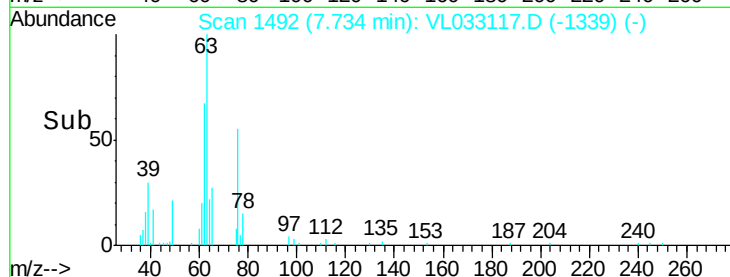
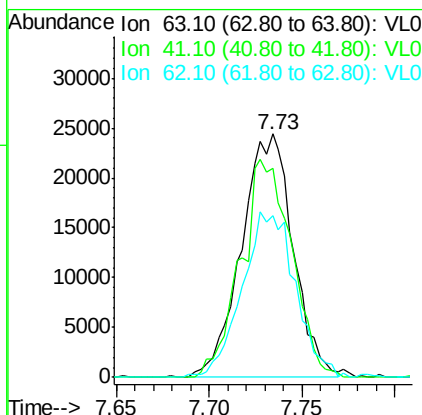
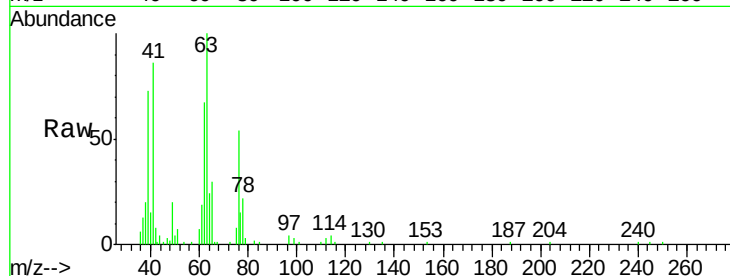
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	47384
Ion	Ratio	Lower	Upper
63	100		
41	85.6	57.8	86.8
62	66.5	54.6	82.0

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#40

1,4-Dioxane

Concen: 0.544 ppbv m

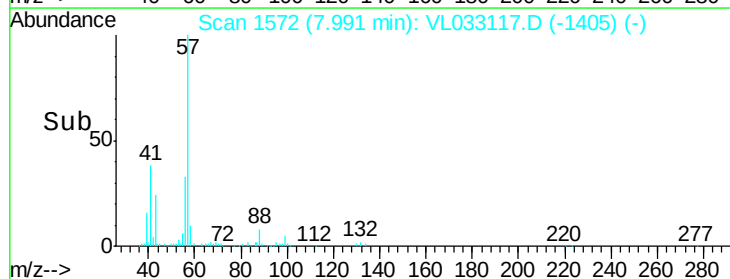
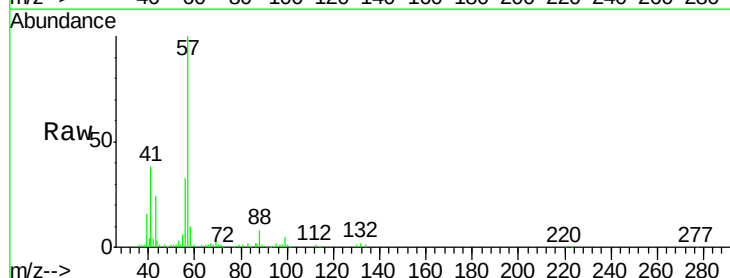
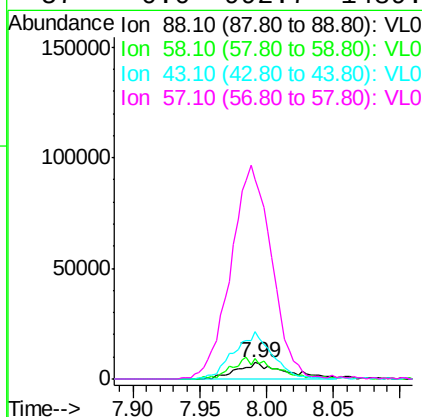
RT: 7.99 min Scan# 1572

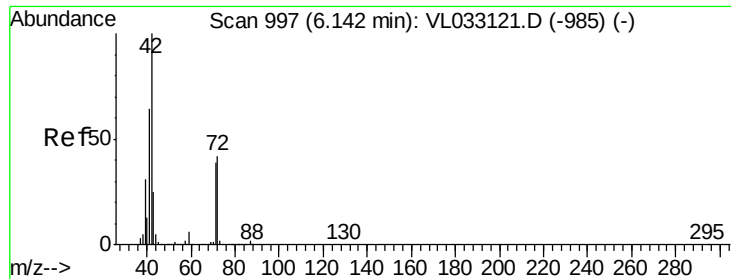
Delta R.T. 0.04 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion:	88	Resp:	18464
Ion	Ratio	Lower	Upper
88	100		
58	0.0	103.5	155.3#
43	0.0	217.8	326.8#
57	0.0	992.7	1489.1#





#41

Tetrahydrofuran

Concen: 0.620 ppbv m

RT: 6.17 min Scan# 1006

Delta R.T. 0.03 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

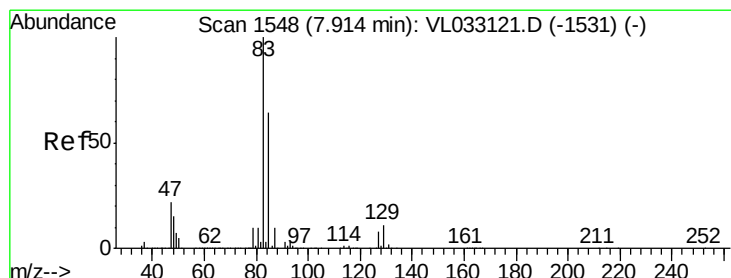
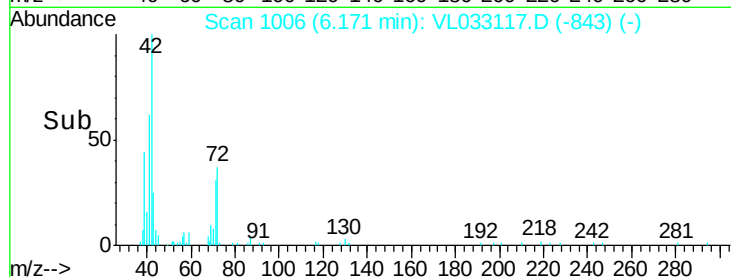
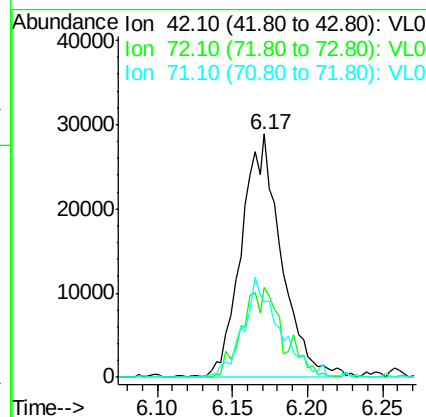
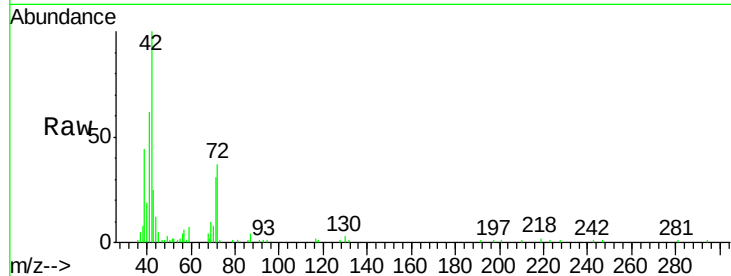
ClientSampleId :

VSTDIC0.5

Tot Ion:	42	Resp:	53227
Ion Ratio		Lower	Upper
42	100		
72	0.0	33.8	50.8#
71	38.0	31.6	47.4

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#42

Bromodichloromethane

Concen: 0.569 ppbv

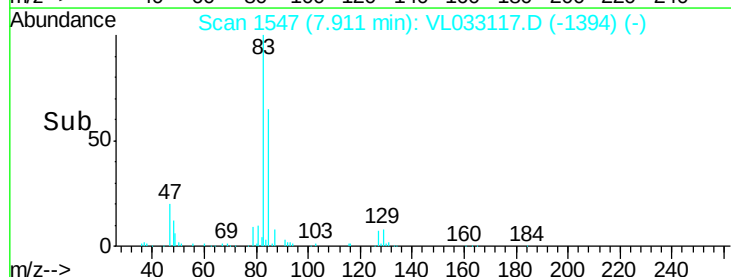
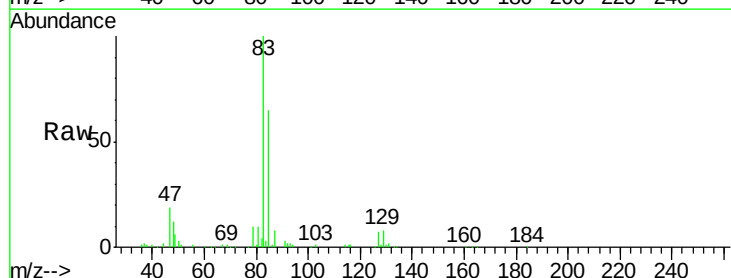
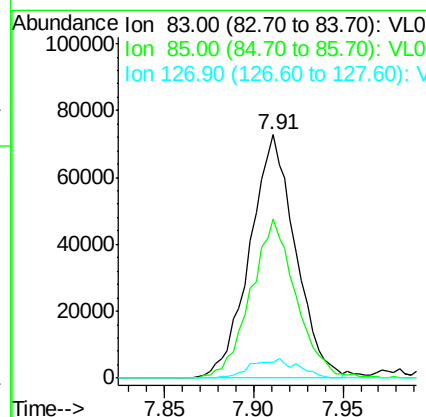
RT: 7.91 min Scan# 1547

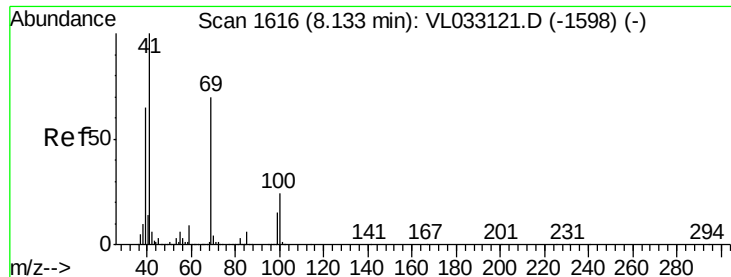
Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion:	83	Resp:	129736
Ion Ratio		Lower	Upper
83	100		
85	65.1	52.9	79.3
127	6.6	6.7	10.1#





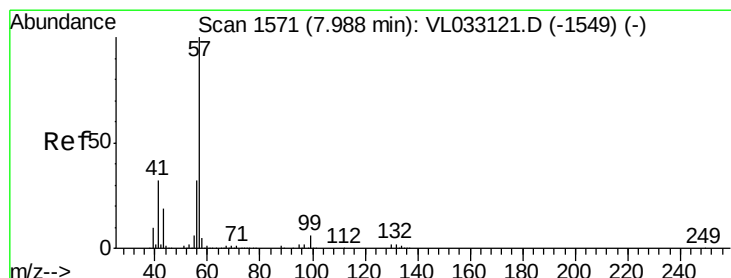
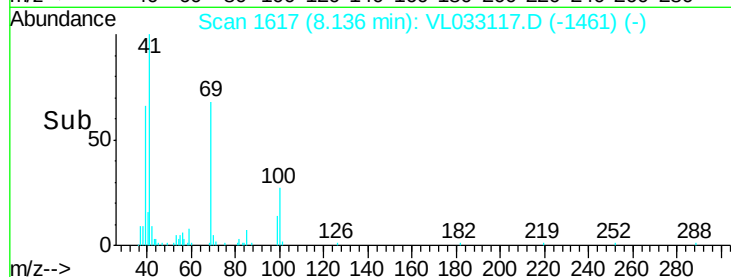
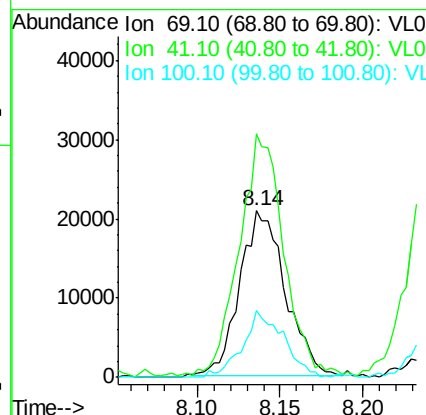
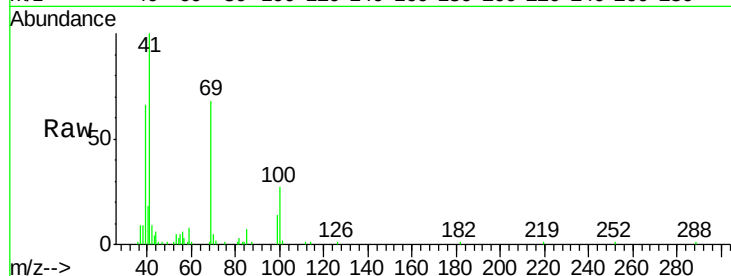
#43
Methvl Methacrylate
Concen: 0.450 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	143.5	113.9	170.9	
100	36.4	26.2	39.4	

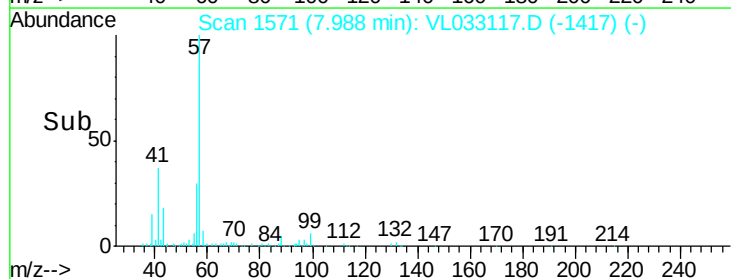
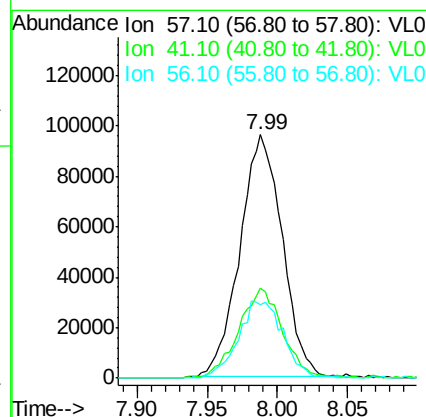
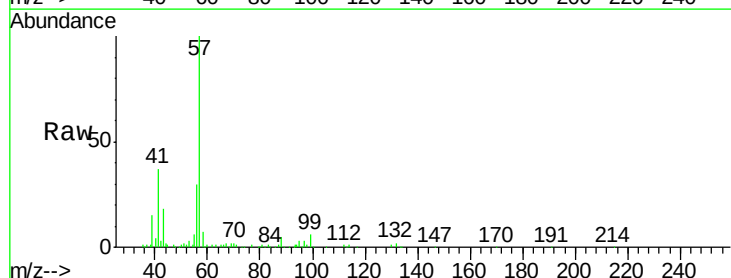
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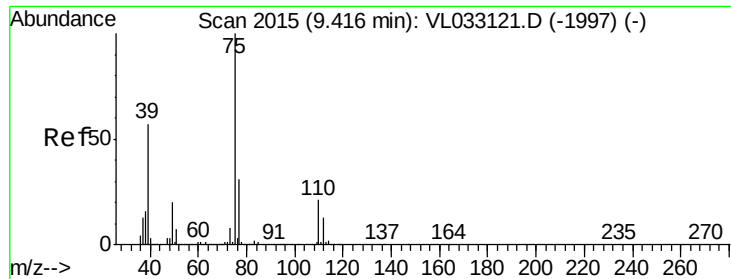
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#44
2,2,4-Trimethylpentane
Concen: 0.502 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	38.5	26.1	39.1	
56	33.8	25.0	37.4	





#45

t-1,3-Dichloropropene

Concen: 0.387 ppbv m

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 42988

Ion Ratio Lower Upper

75 100

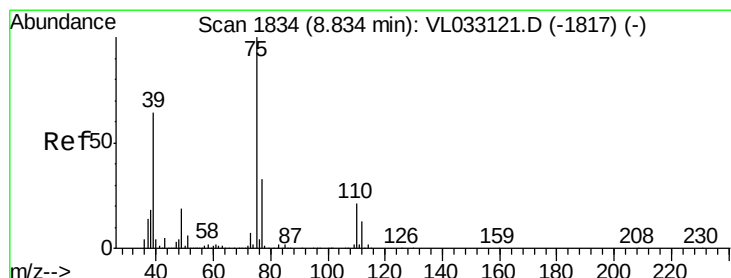
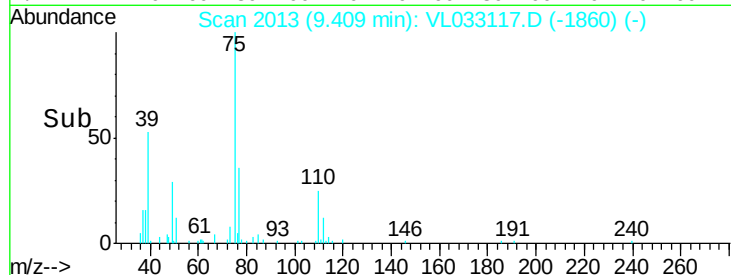
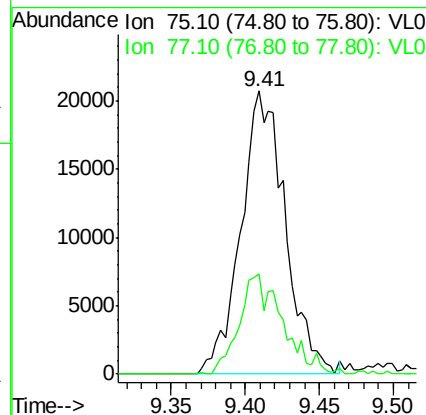
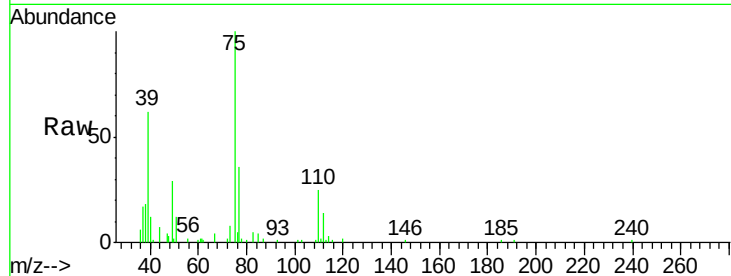
77 35.5 24.9 37.3

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#46

cis-1,3-Dichloropropene

Concen: 0.437 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

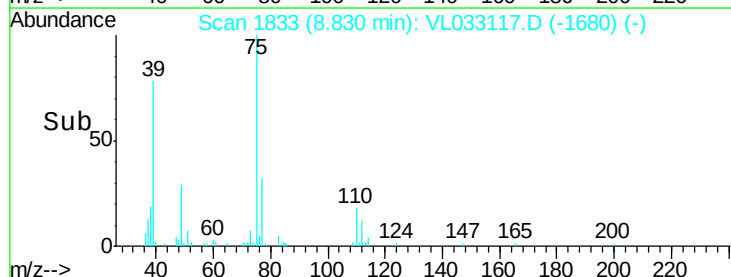
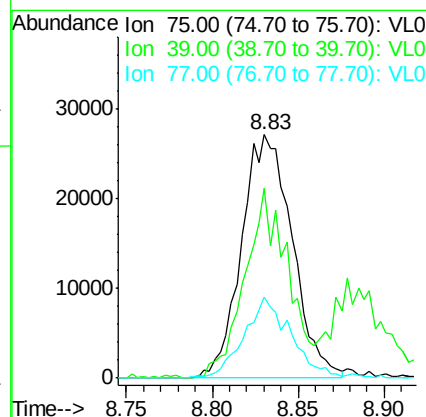
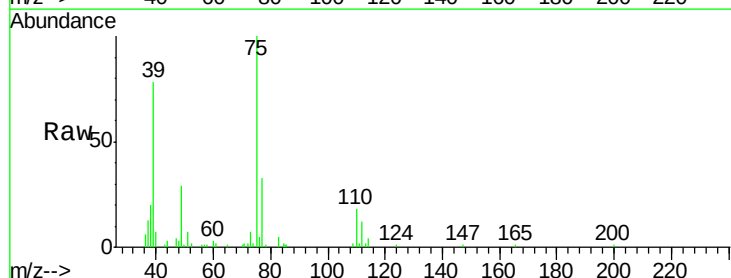
Tgt Ion: 75 Resp: 55423

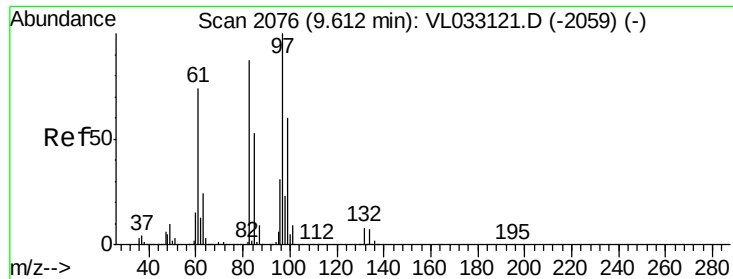
Ion Ratio Lower Upper

75 100

39 78.0 52.0 78.0

77 32.5 25.5 38.3





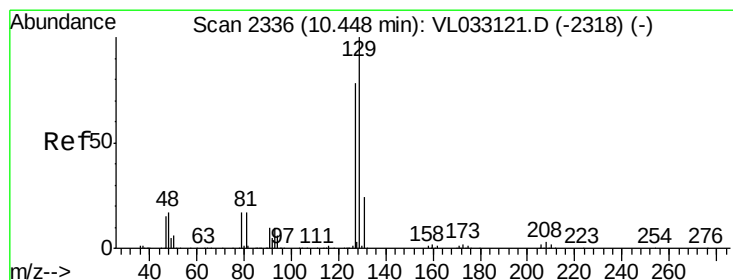
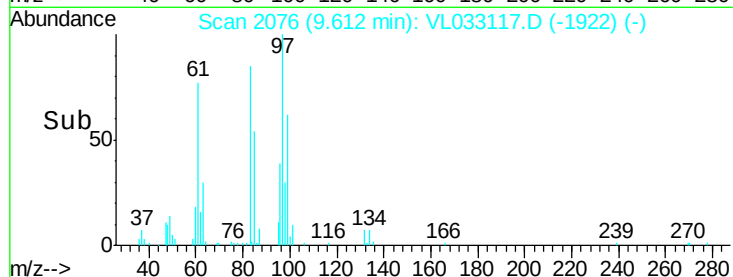
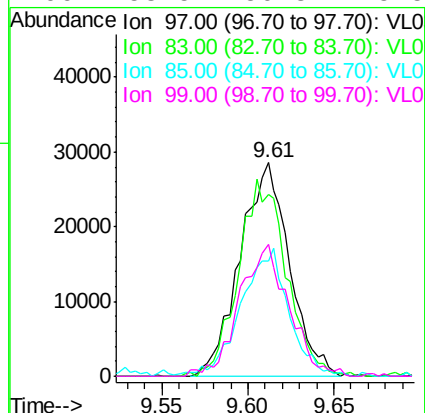
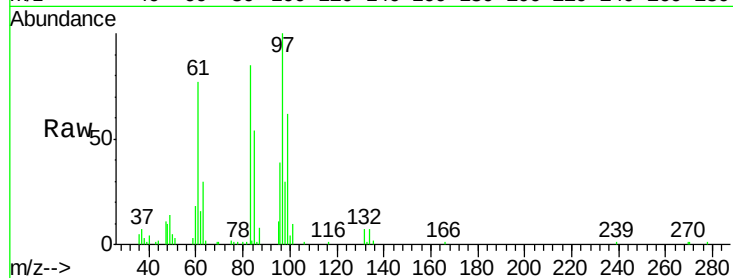
#47
 1,1,2-Trichloroethane
 Concen: 0.545 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.3	71.4	107.2
85	52.2	47.2	70.8
99	58.5	50.3	75.5

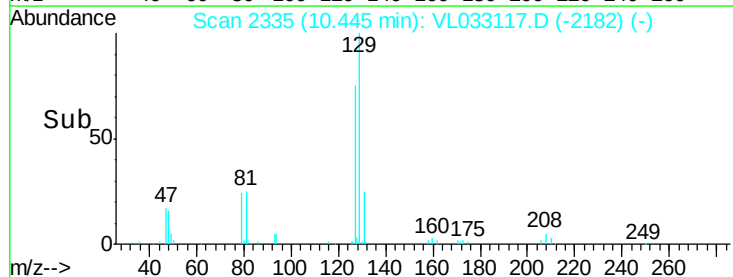
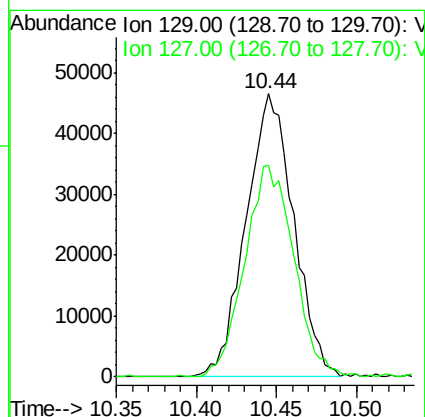
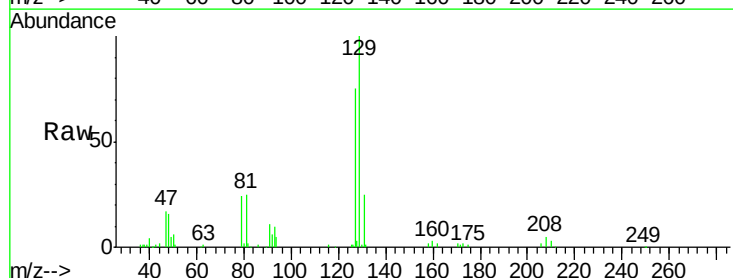
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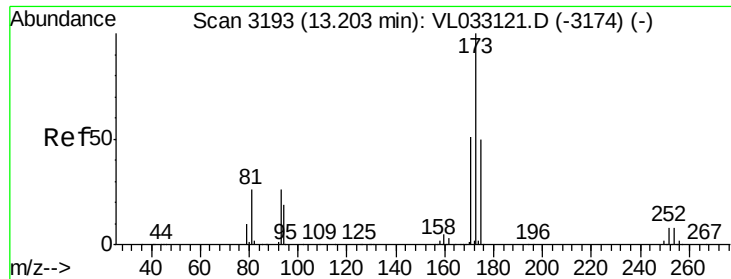
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#48
 Dibromochloromethane
 Concen: 0.515 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.9





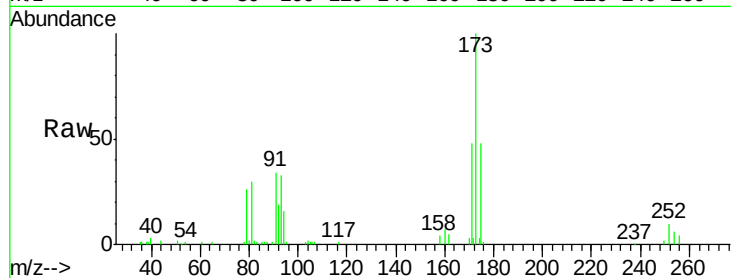
#49
Bromoform
Concen: 0.507 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

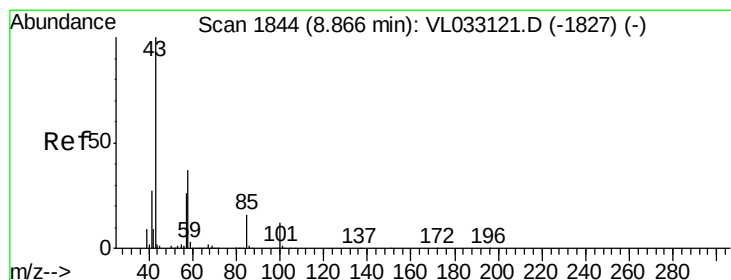
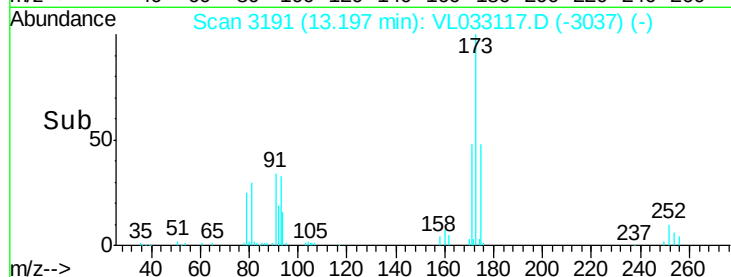
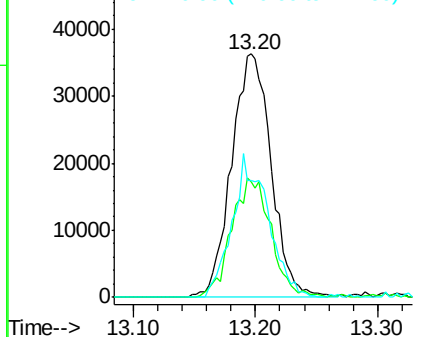
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.9	58.3
171	53.0	41.8	62.6

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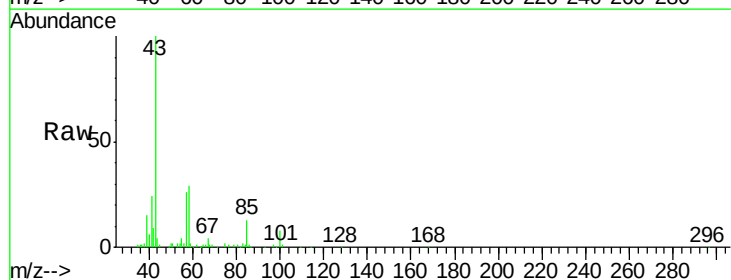


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

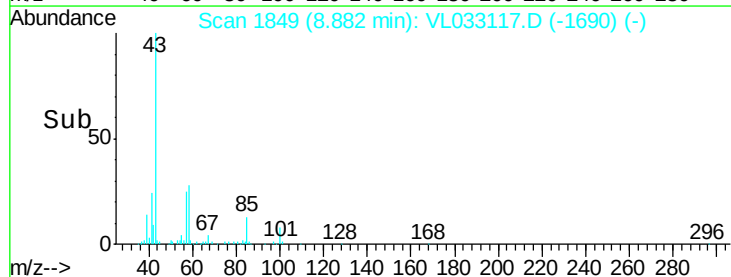
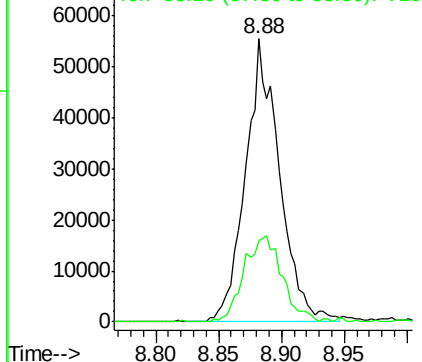


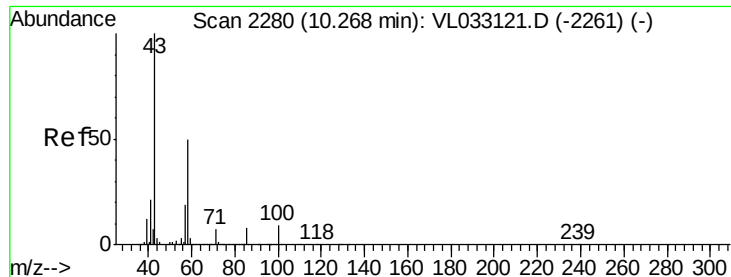
#50
4-Methyl-2-Pentanone
Concen: 0.487 ppbv m
RT: 8.88 min Scan# 1849
Delta R.T. 0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	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: 0.382 ppbv m

RT: 10.30 min Scan# 2290

Delta R.T. 0.03 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

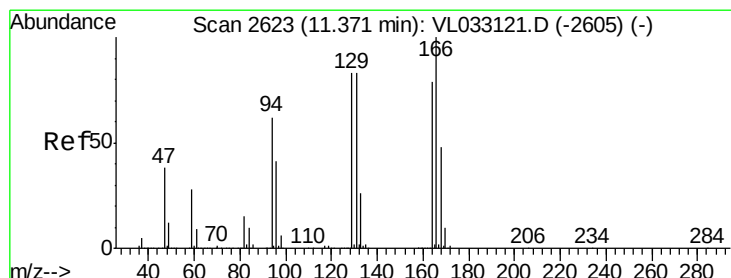
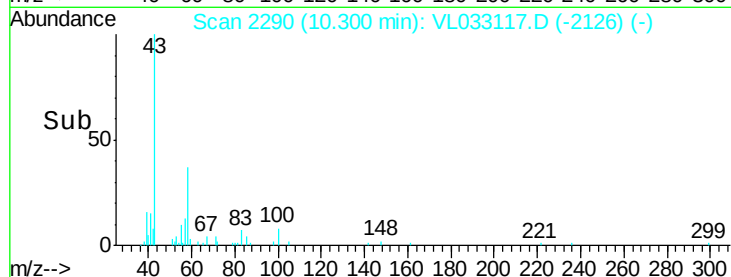
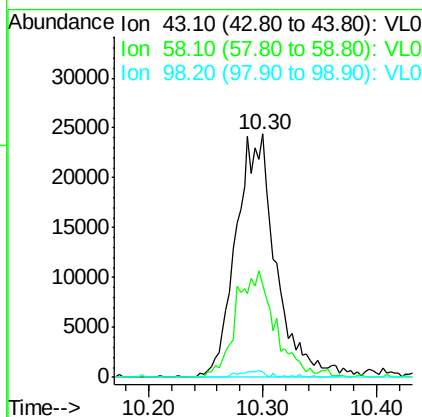
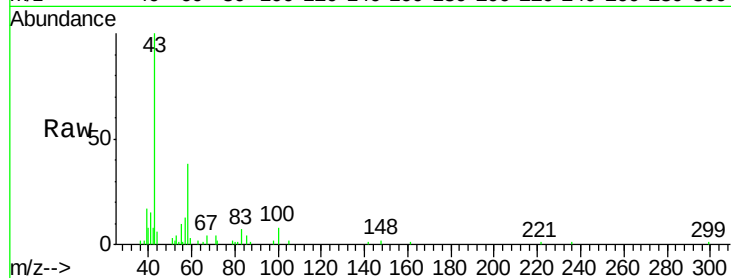
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	59089
Ion	Ratio	Lower	Upper
43	100		
58	43.9	39.5	59.3
98	1.7	0.3	0.5#

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#52

Tetrachloroethene

Concen: 0.532 ppbv m

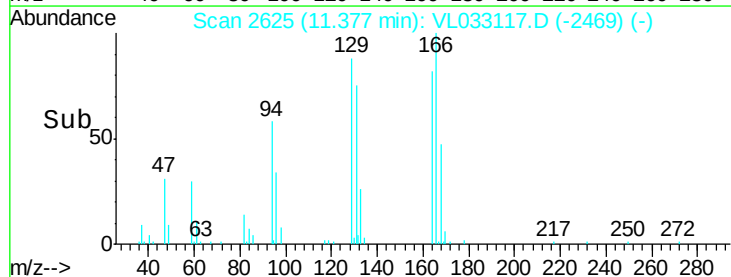
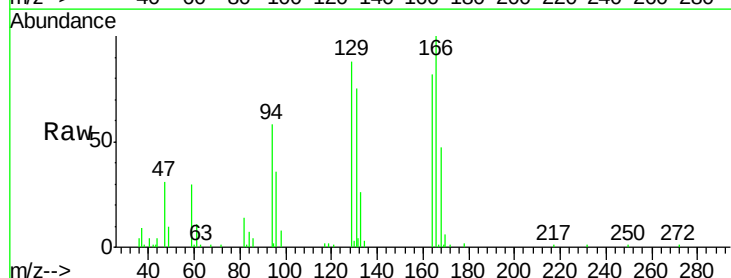
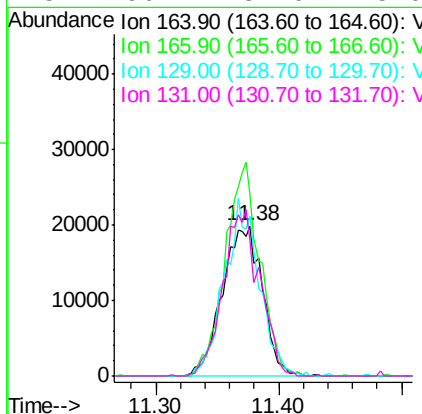
RT: 11.38 min Scan# 2625

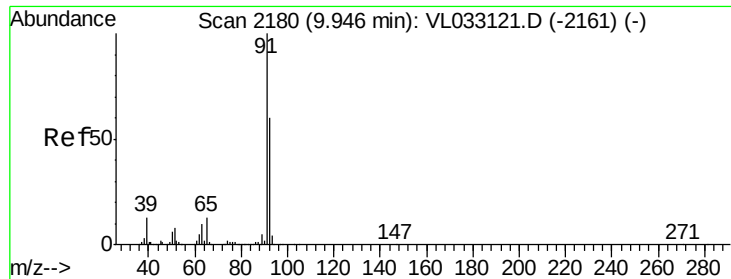
Delta R.T. 0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion:	164	Resp:	44766
Ion	Ratio	Lower	Upper
164	100		
166	121.5	101.3	151.9
129	106.5	83.3	124.9
131	90.7	82.0	123.0





#53

Toluene

Concen: 0.404 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 103057

Ion Ratio Lower Upper

91 100

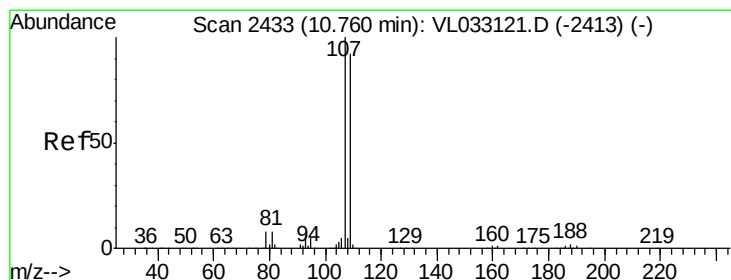
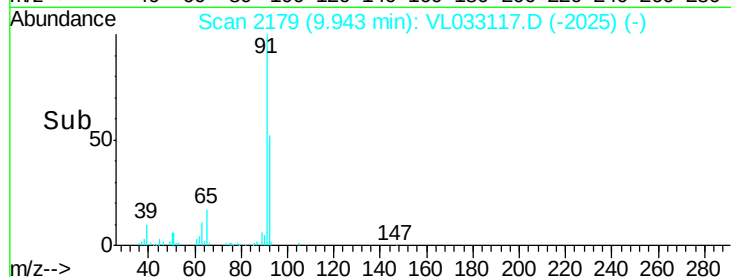
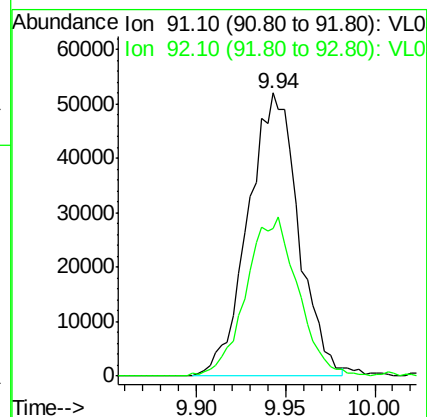
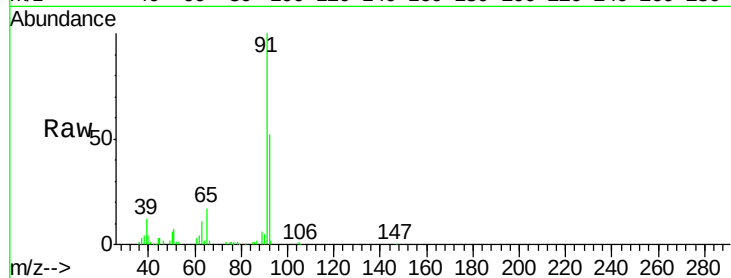
92 57.5 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 0.488 ppbv m

RT: 10.76 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL033117.D

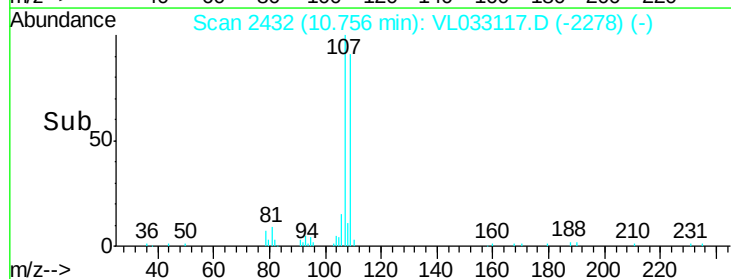
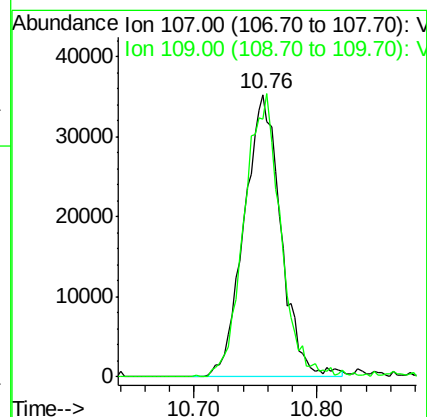
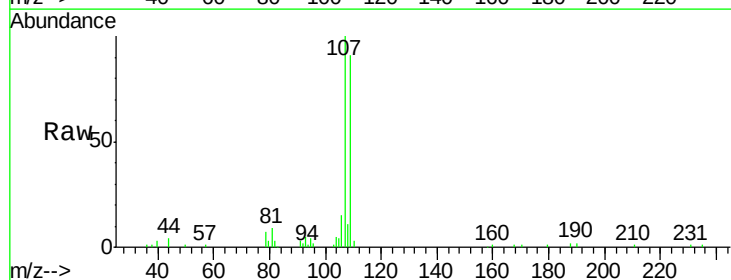
Acq: 28 Jan 2019 17:36

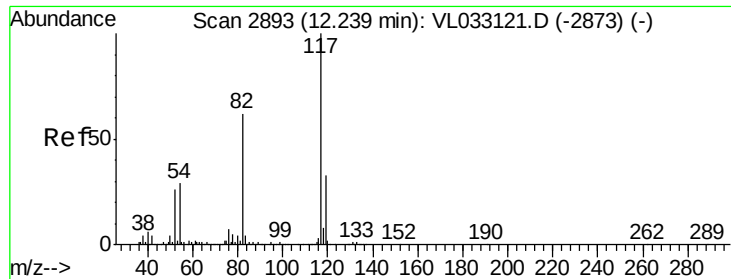
Tgt Ion: 107 Resp: 73394

Ion Ratio Lower Upper

107 100

109 91.2 75.8 113.6





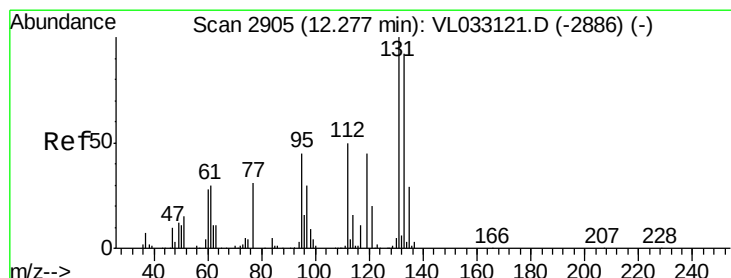
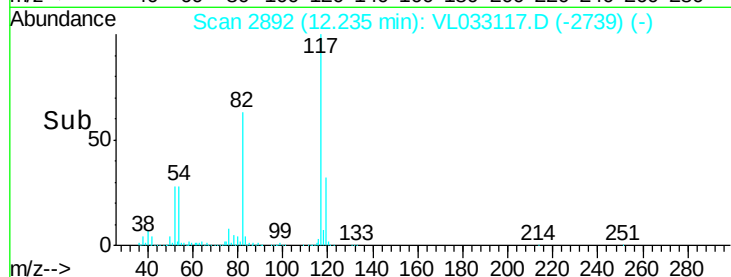
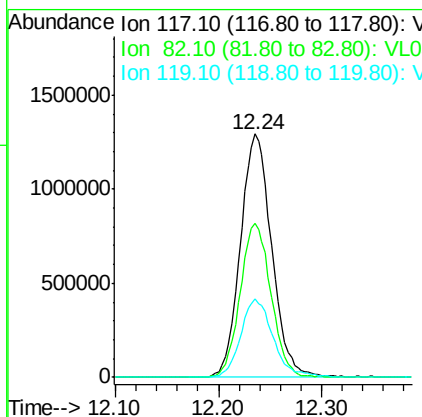
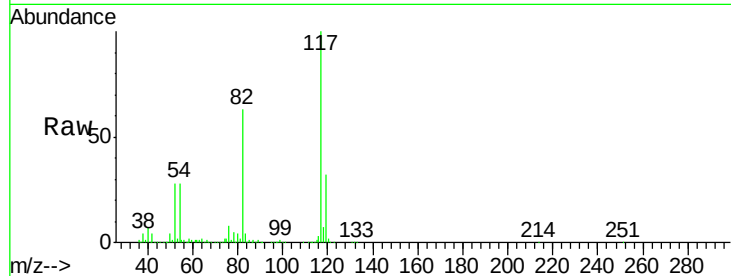
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 2728298
Ion Ratio Lower Upper
117 100
82 62.6 48.3 72.5
119 33.3 25.9 38.9

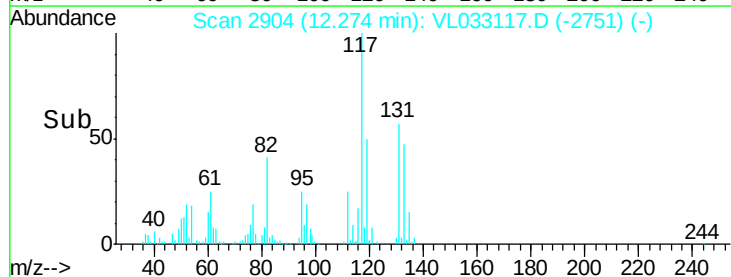
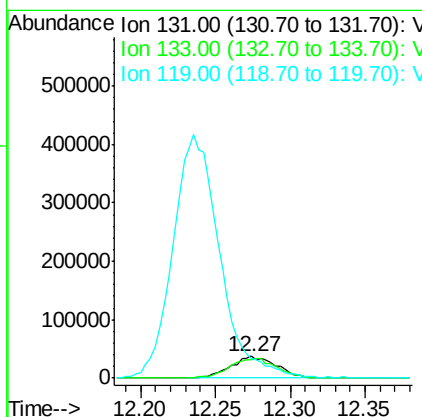
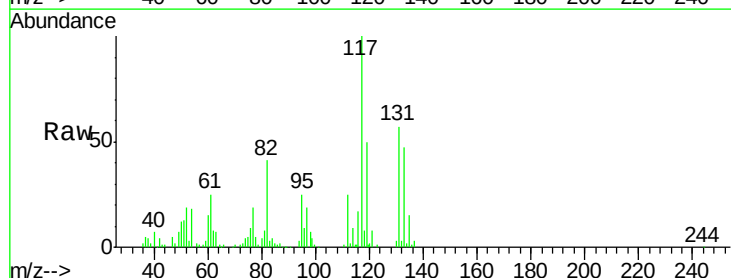
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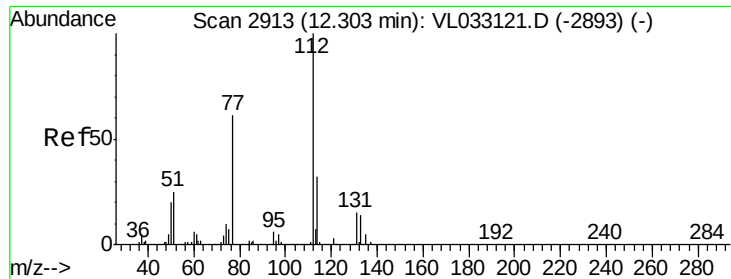
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.561 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion:131 Resp: 79046
Ion Ratio Lower Upper
131 100
133 95.0 76.6 115.0
119 1157.8 44.6 66.8#





#57

Chlorobenzene

Concen: 0.547 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

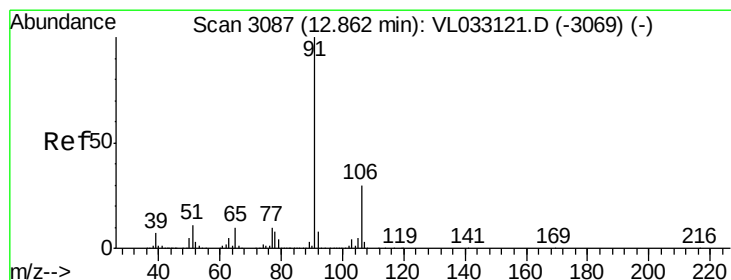
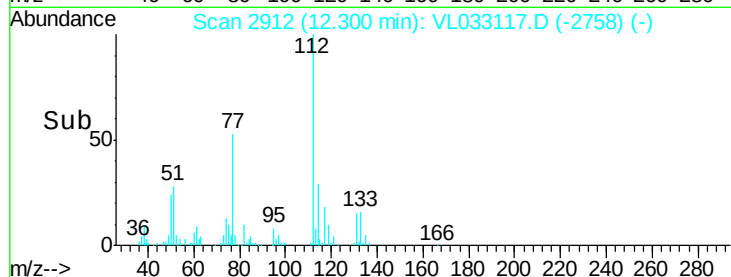
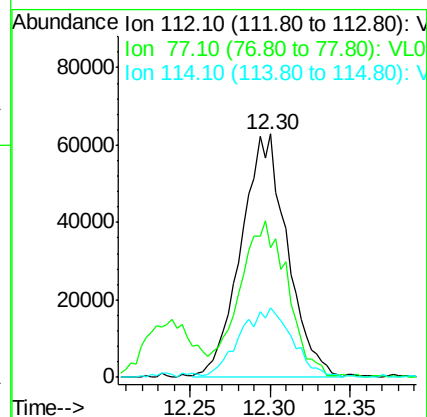
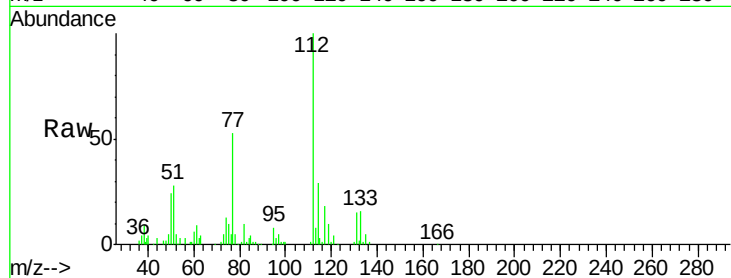
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	124488
Ion Ratio	Lower	Upper	
112	100		
77	52.2	51.6	77.4
114	28.5	27.9	34.1

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#58

Ethyl Benzene

Concen: 0.391 ppbv

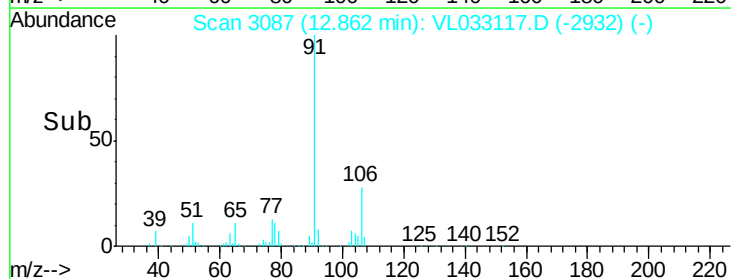
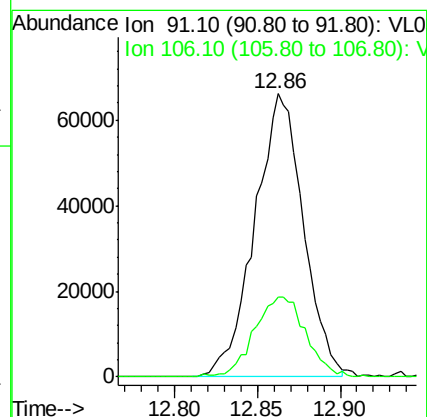
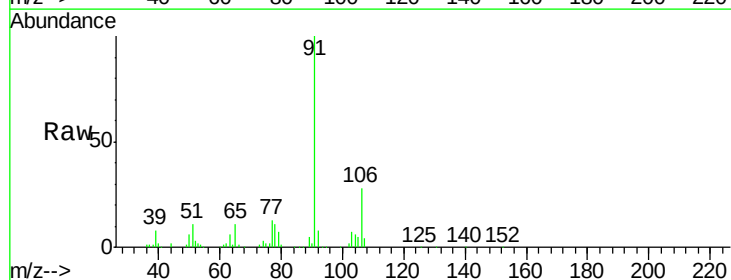
RT: 12.86 min Scan# 3087

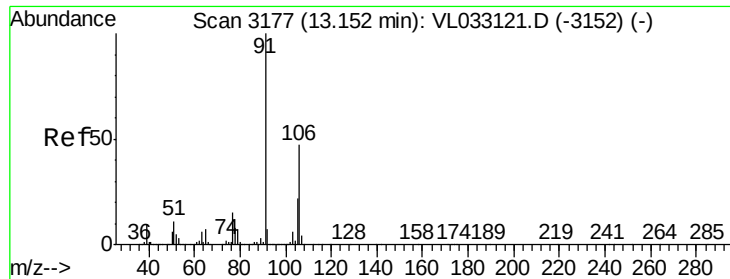
Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion:	91	Resp:	134834
Ion Ratio	Lower	Upper	
91	100		
106	28.0	24.4	36.6





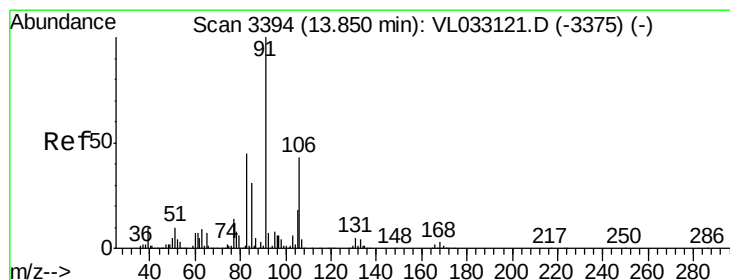
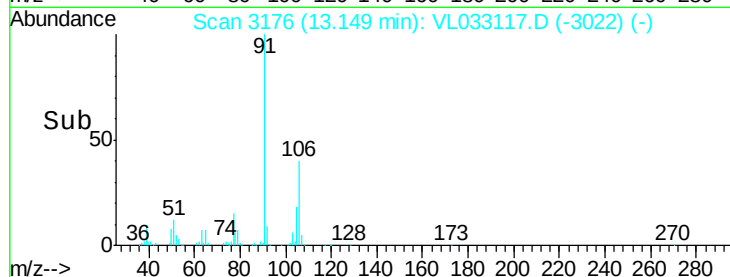
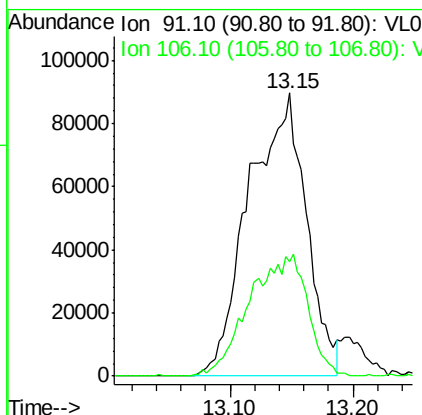
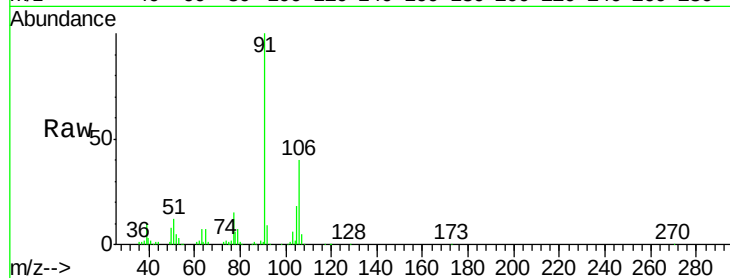
#59
m/p-Xylene
Concen: 0.906 ppbv m
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
106	43.9	0.0	0.0#

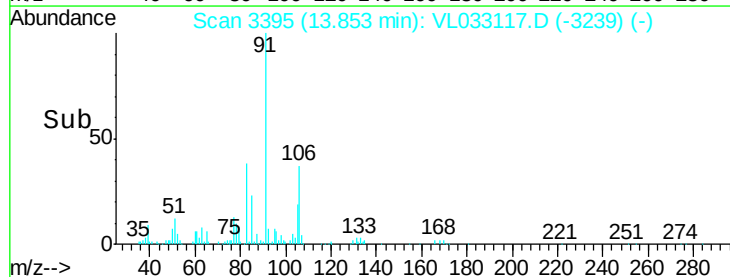
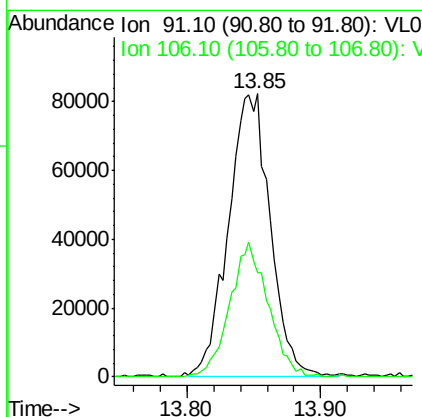
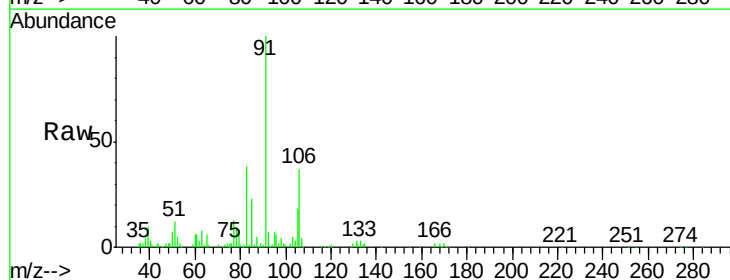
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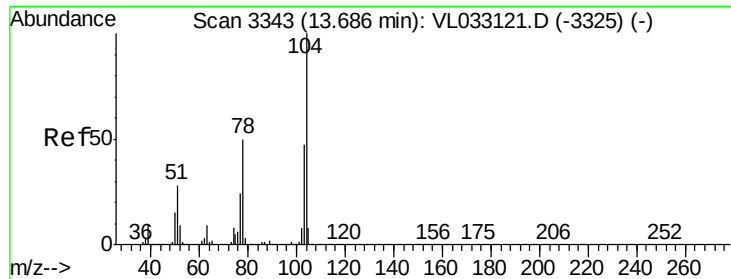
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#60
o-Xylene
Concen: 0.576 ppbv m
RT: 13.85 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	43.4	22.6	67.8





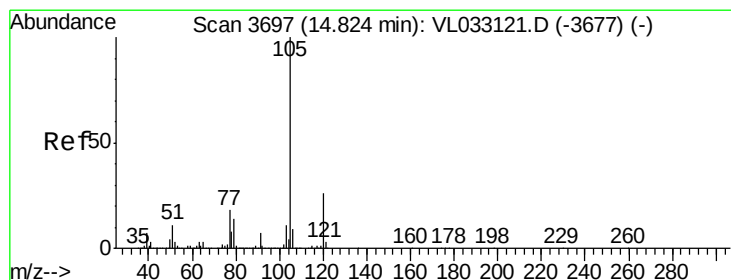
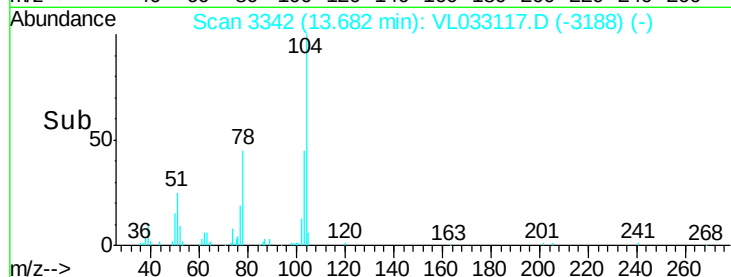
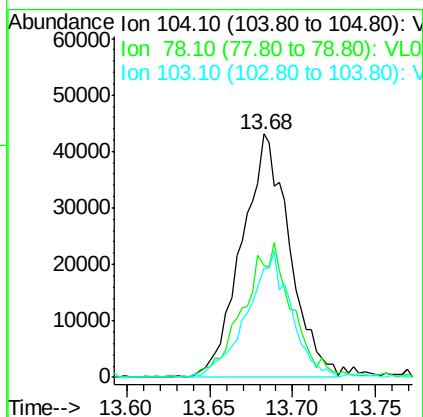
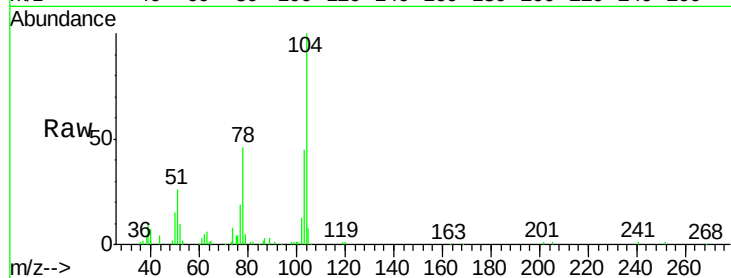
#61
Stvrene
Concen: 0.434 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.2	41.4	62.0
103	47.6	37.8	56.6

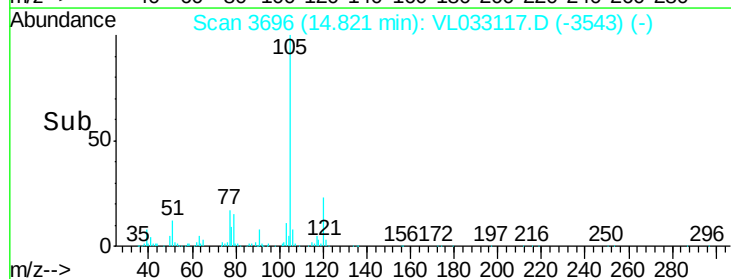
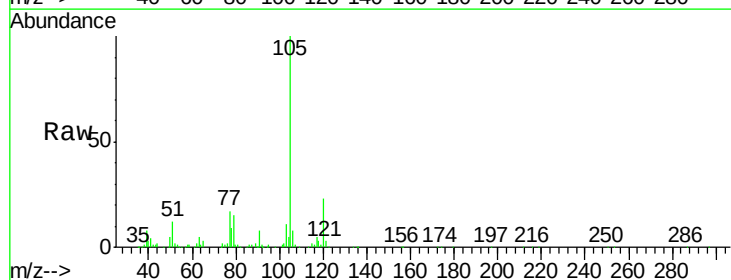
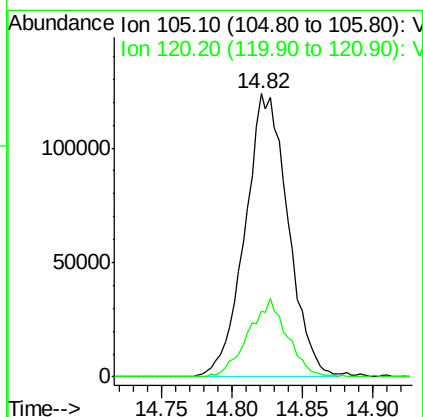
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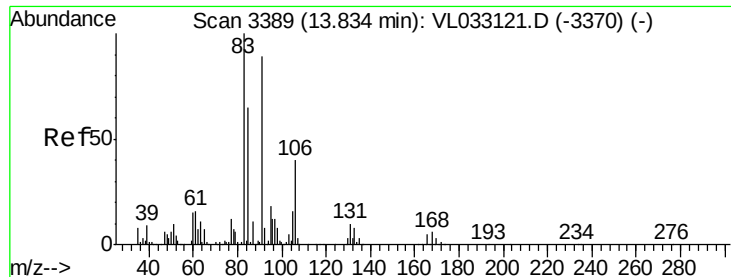
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#62
Isopropylbenzene
Concen: 0.596 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.4	30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 0.703 ppbv

RT: 13.83 min Scan# 3389

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

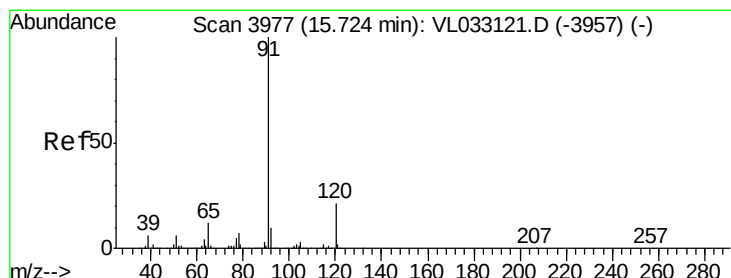
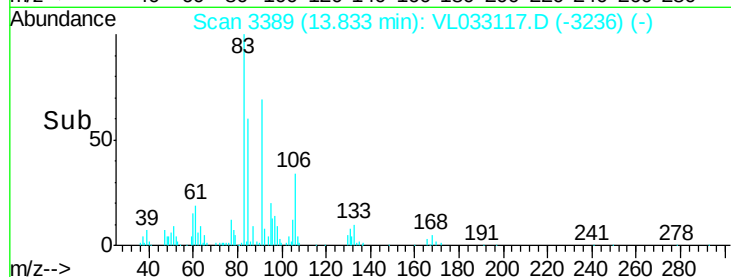
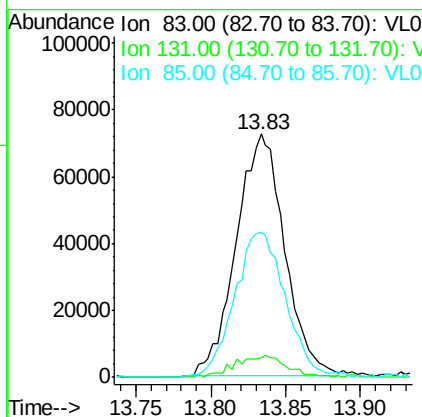
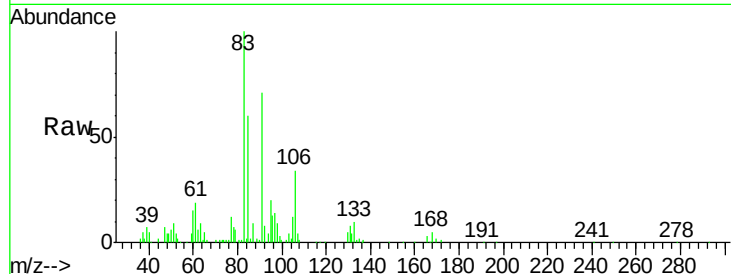
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	162900
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	63.7	32.5	97.4

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#64

n-propylbenzene

Concen: 0.545 ppbv

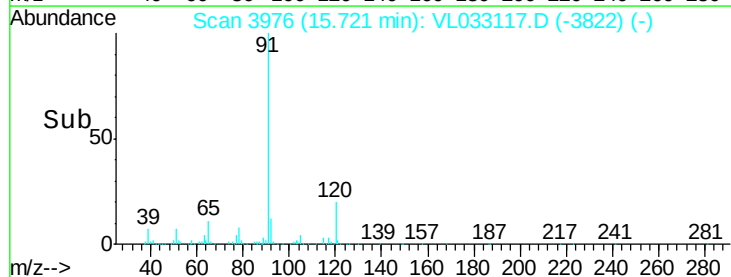
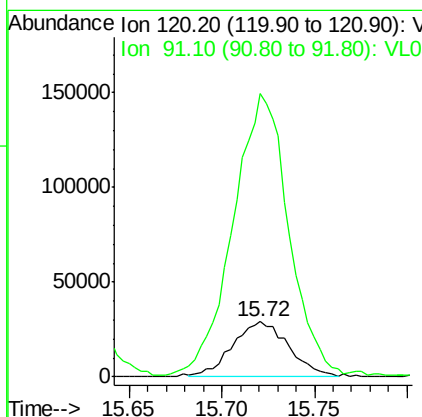
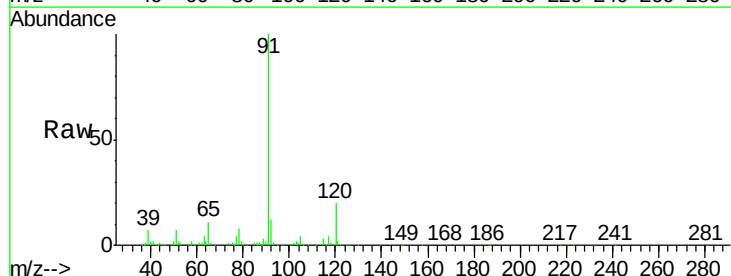
RT: 15.72 min Scan# 3976

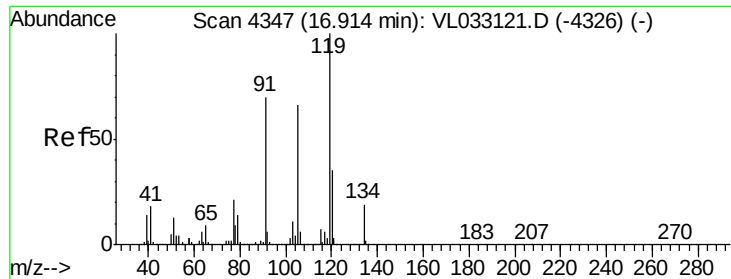
Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion:	120	Resp:	61513
Ion Ratio	Lower	Upper	
120	100		
91	519.6	375.7	563.5





#65

tert-Butylbenzene

Concen: 0.548 ppbv m

RT: 16.91 min Scan# 4347

Delta R.T. 0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

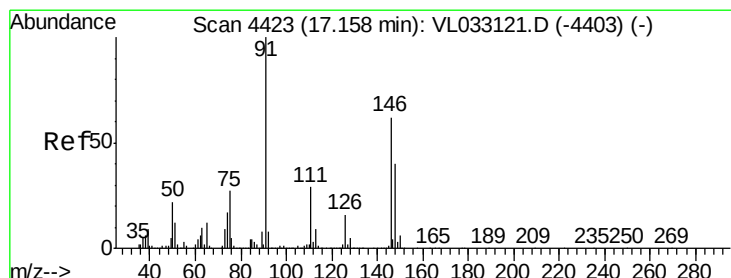
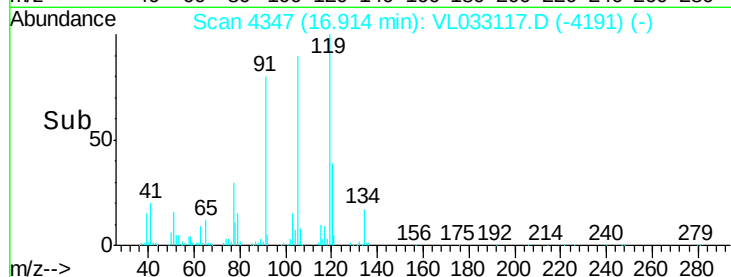
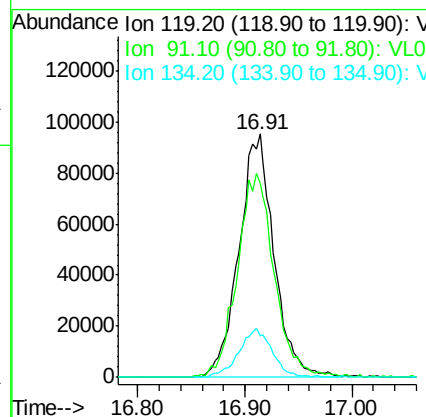
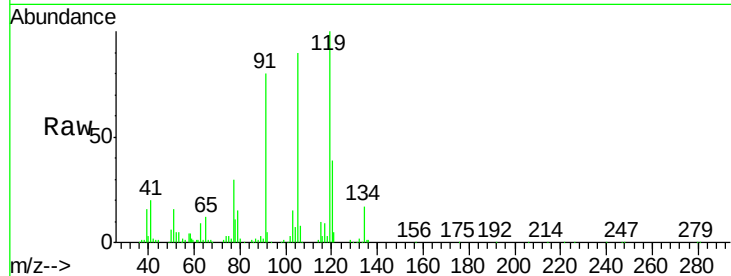
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	215669
Ion Ratio	Lower	Upper	
119	100		
91	0.0	64.5	96.7#
134	0.0	15.7	23.5#

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.448 ppbv

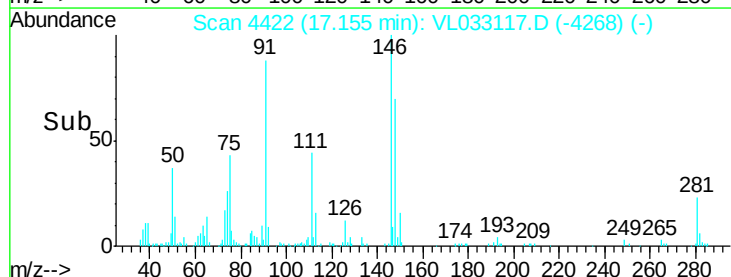
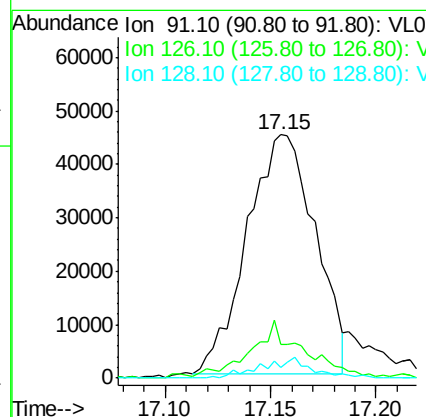
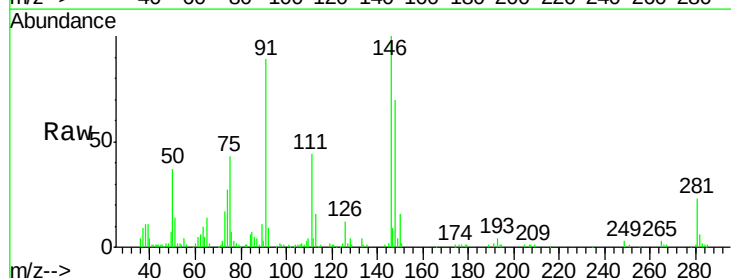
RT: 17.15 min Scan# 4422

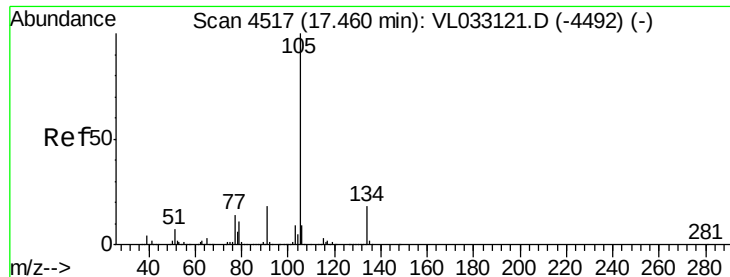
Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion:	91	Resp:	100522
Ion Ratio	Lower	Upper	
91	100		
126	20.1	14.3	21.5
128	6.3	4.6	7.0





#67

sec-Butylbenzene

Concen: 0.564 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 317151

Ion Ratio Lower Upper

105 100

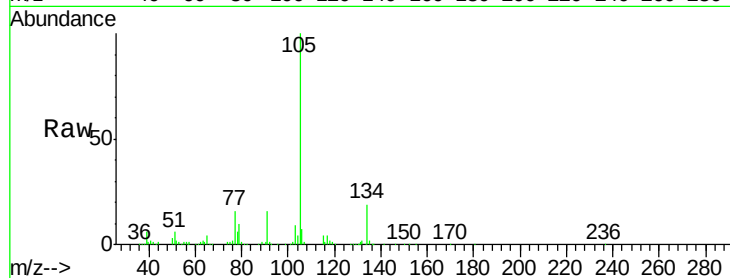
134 18.0 14.8 22.2

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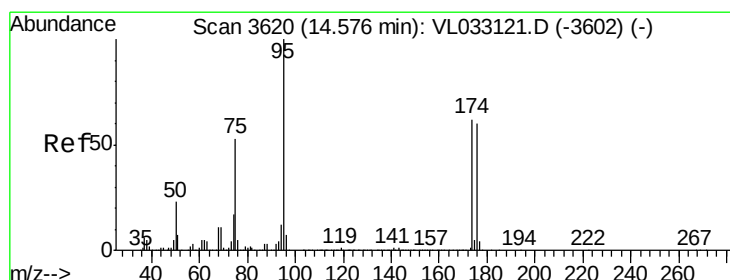
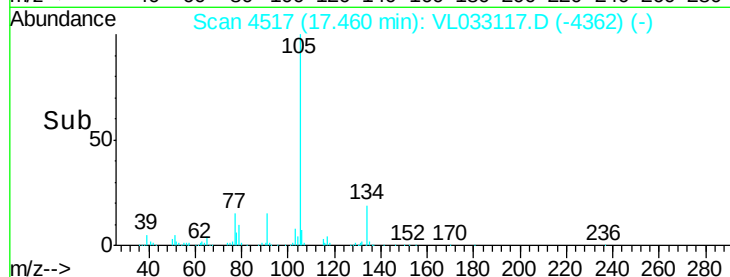
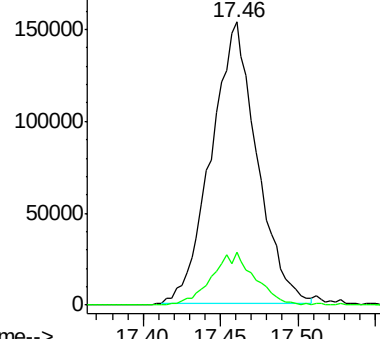
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 12.676 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

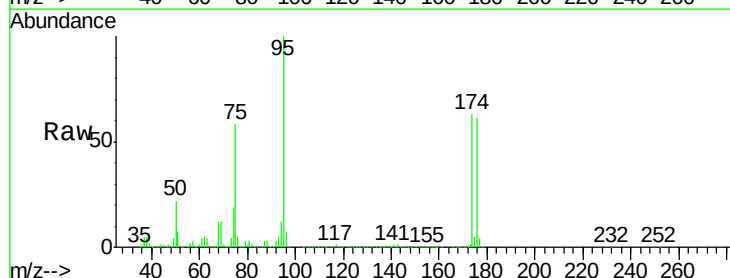
Tgt Ion: 95 Resp: 2651022

Ion Ratio Lower Upper

95 100

174 65.2 51.4 77.2

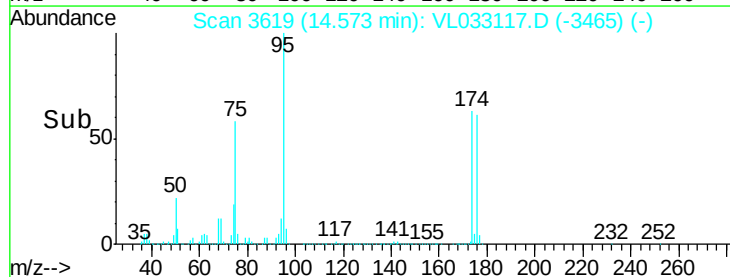
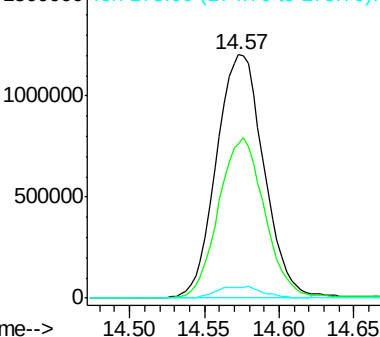
175 4.8 4.0 6.0

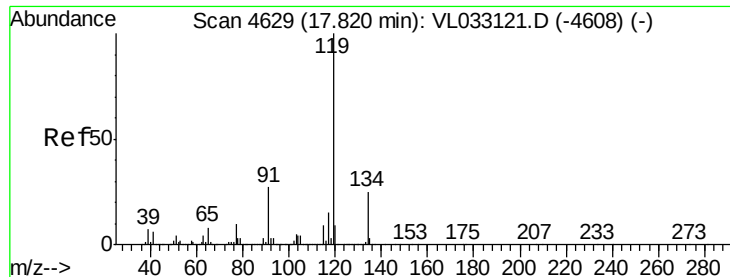


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





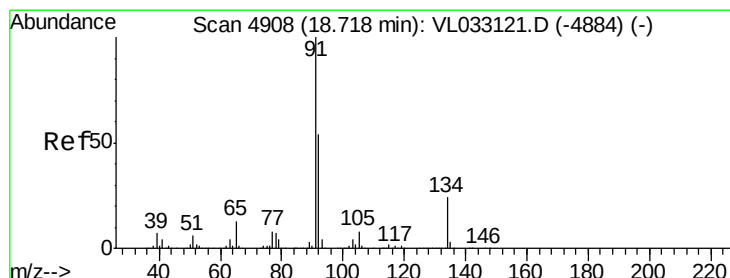
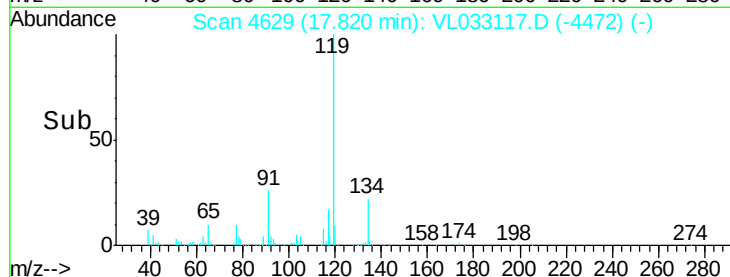
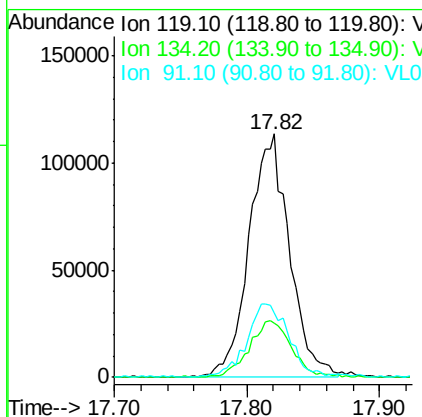
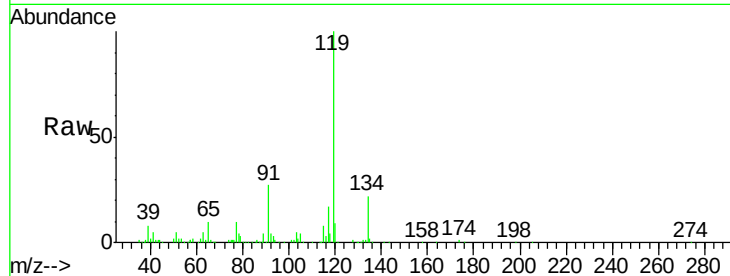
#69
 p-Isopropyltoluene
 Concen: 0.527 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. 0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	240913		
134	24.5		20.4	30.6
91	32.4		22.8	34.2

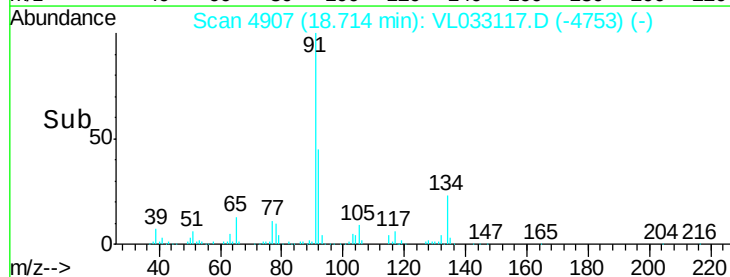
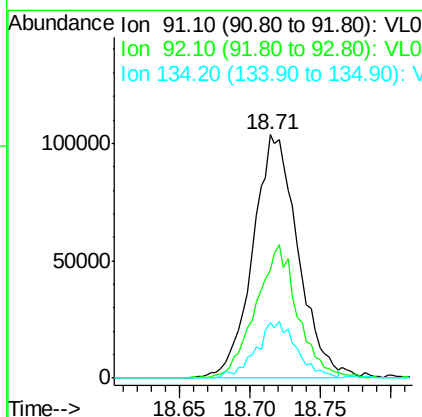
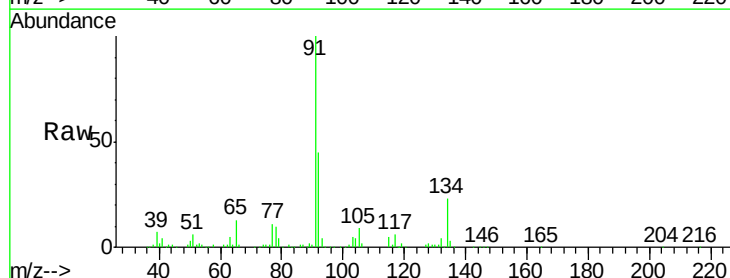
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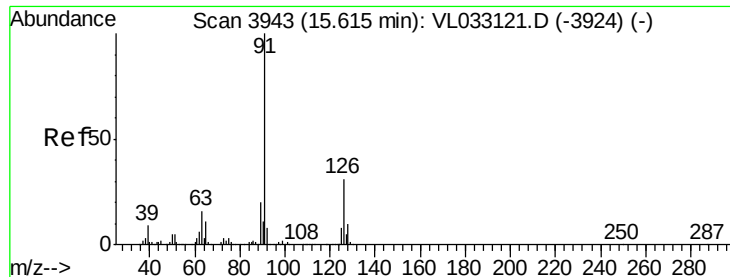
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#70
 n-Butylbenzene
 Concen: 0.501 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	230237		
92	51.7		43.0	64.6
134	21.4		18.4	27.6





#71

2-Chlorotoluene

Concen: 0.515 ppbv m

RT: 15.62 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 162047

Ion Ratio Lower Upper

91 100

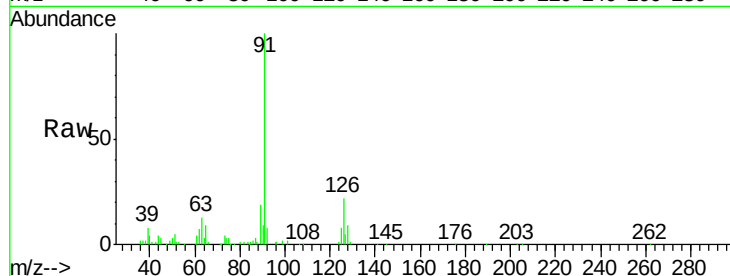
126 30.8 12.4 49.8

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

150000

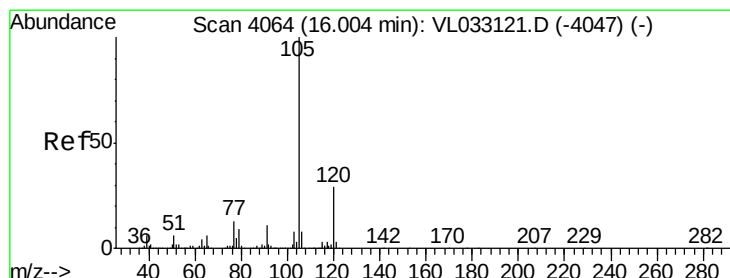
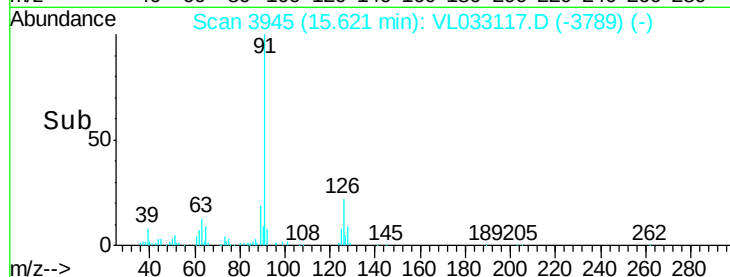
100000

50000

0

15.55 15.60 15.65 15.70

Time-->



#72

4-Ethyltoluene

Concen: 0.498 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion: 105 Resp: 170588

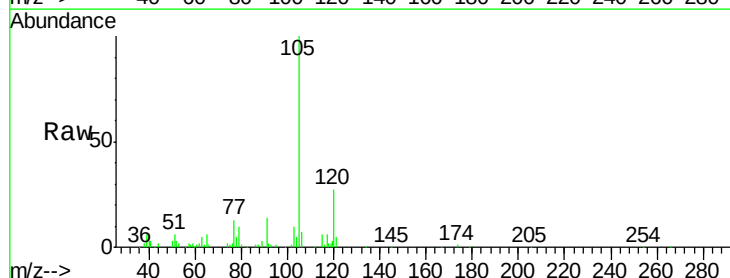
Ion Ratio Lower Upper

105 100

120 28.7 23.5 35.3

91 15.8 10.3 15.5#

77 14.9 11.0 16.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

120000

100000

80000

60000

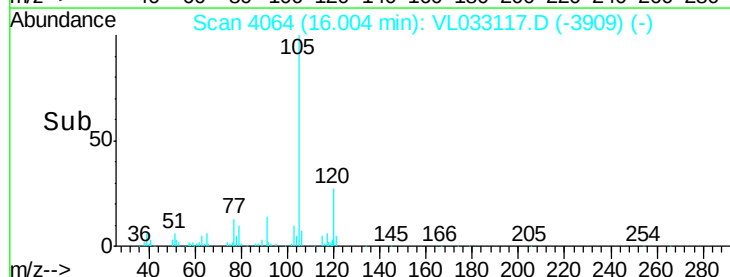
40000

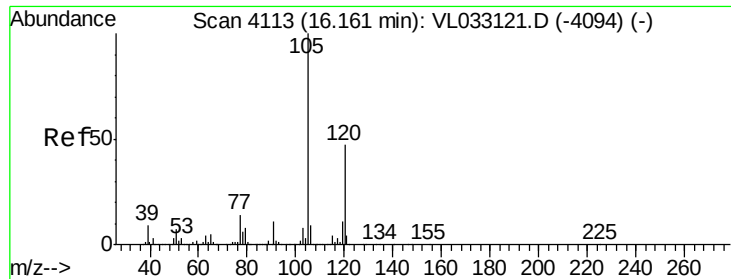
20000

0

15.95 16.00 16.05

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 0.525 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 177572

Ion Ratio Lower Upper

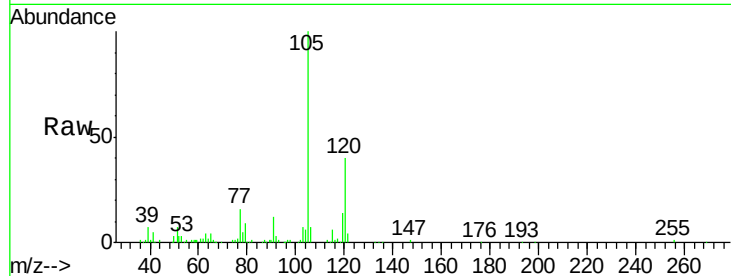
105 100

120 39.0 37.5 56.3

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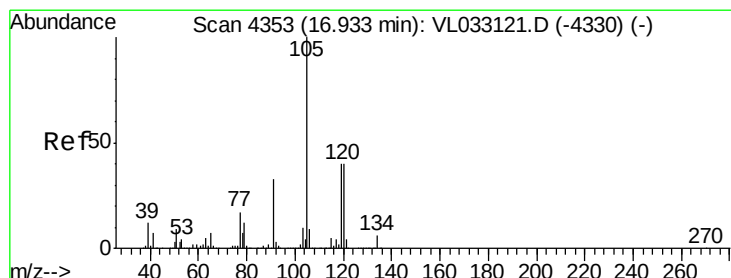
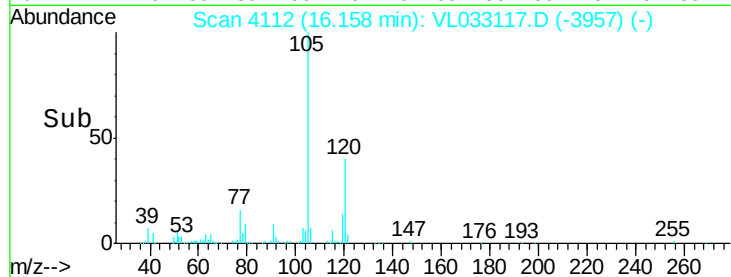
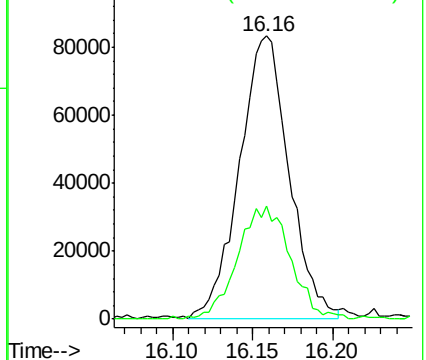
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.547 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion:105 Resp: 204779

Ion Ratio Lower Upper

105 100

120 44.9 37.9 56.9

91 63.1 39.8 59.8#

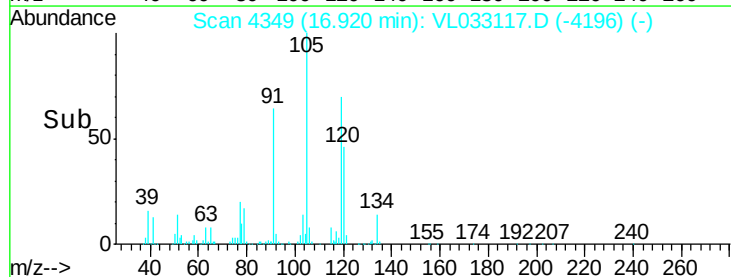
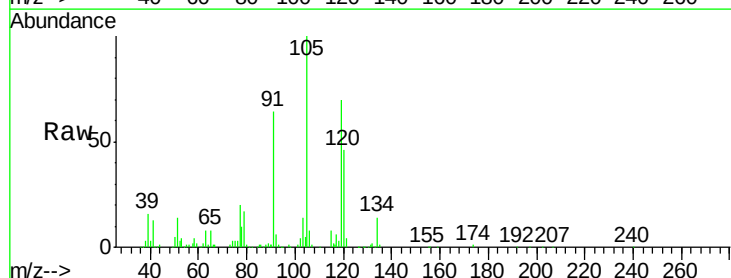
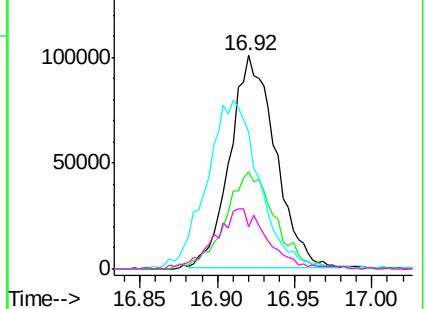
77 18.9 17.8 26.8

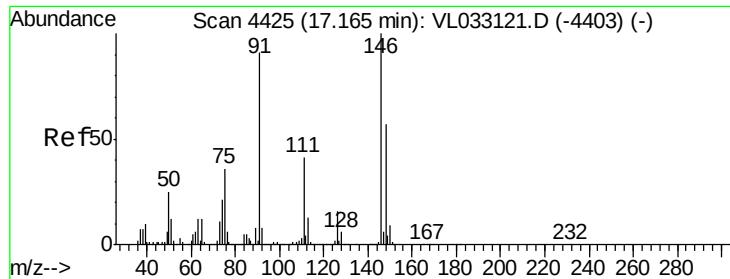
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





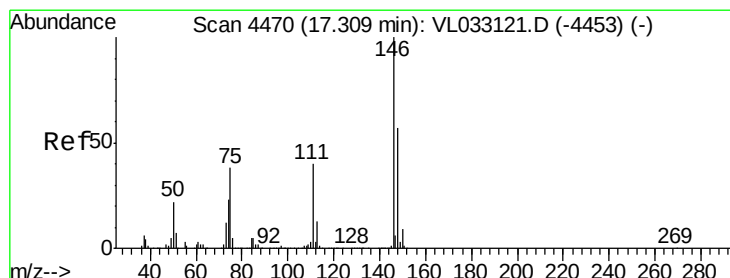
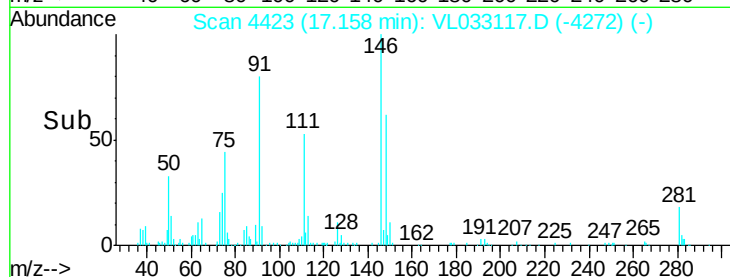
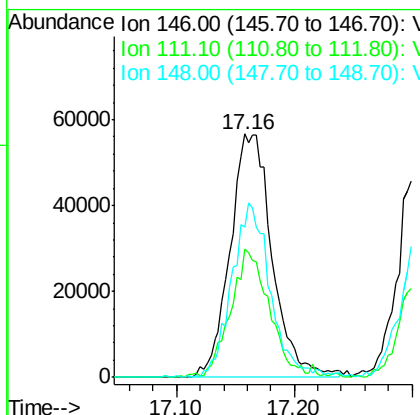
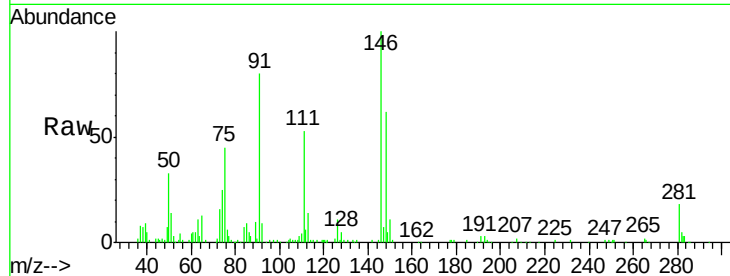
#75
 1,3-Dichlorobenzene
 Concen: 0.631 ppbv m
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.0#
148	65.8	32.1	96.3

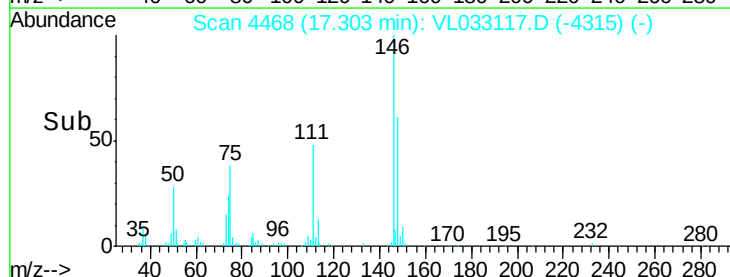
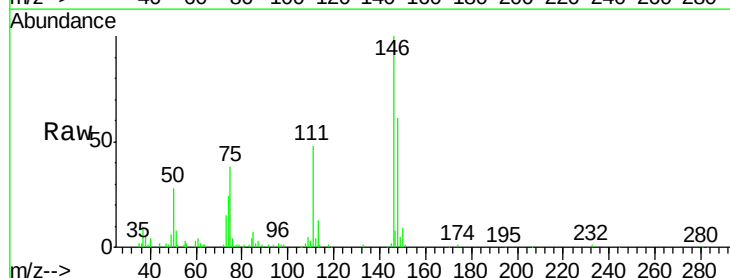
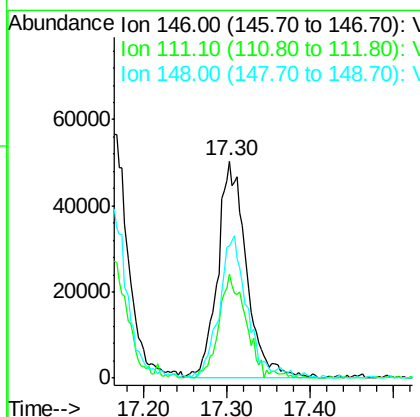
Manual Integrations
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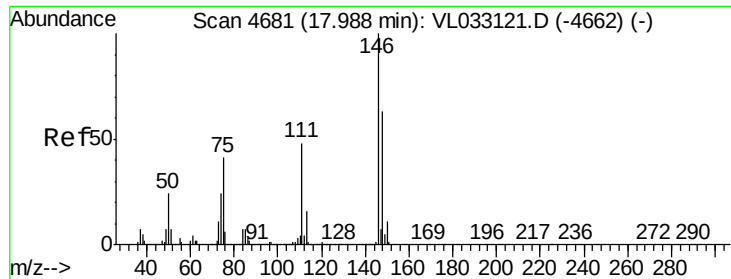
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#76
 1,4-Dichlorobenzene
 Concen: 0.610 ppbv m
 RT: 17.30 min Scan# 4468
 Delta R.T. -0.01 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.7	68.0
148	0.0	32.1	96.3#





#77

1,2-Dichlorobenzene

Concen: 0.648 ppbv m

RT: 17.99 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Instrument :

MSVOA_L

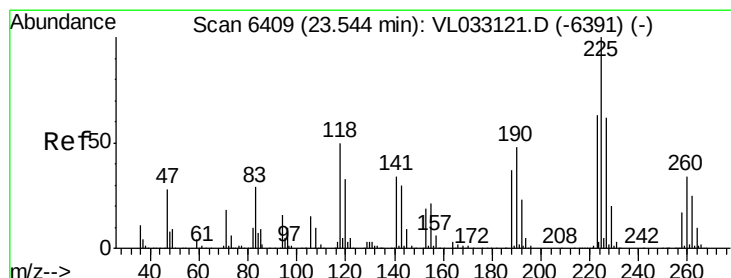
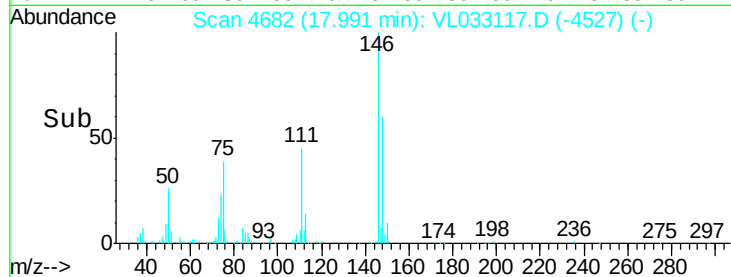
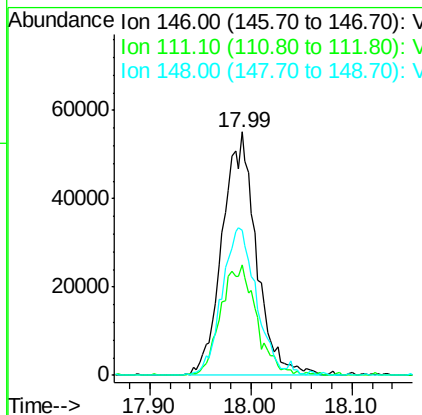
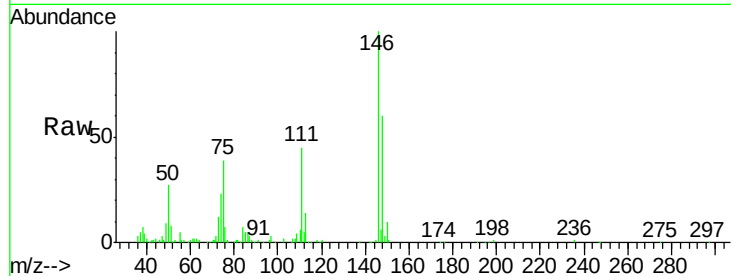
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	128739
Ion Ratio	Lower	Upper	
146	100		
111	0.0	24.4	73.2#
148	0.0	32.6	97.7#

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 0.550 ppbv

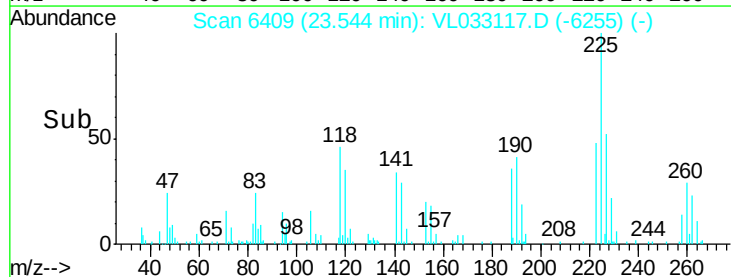
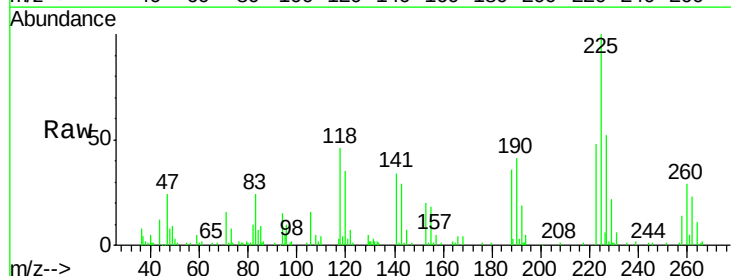
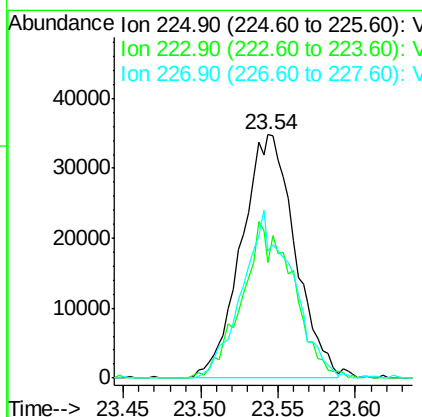
RT: 23.54 min Scan# 6409

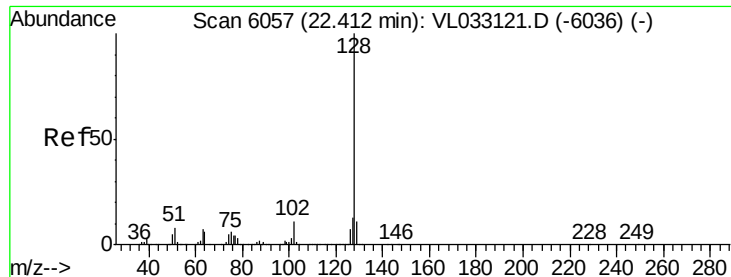
Delta R.T. -0.00 min

Lab File: VL033117.D

Acq: 28 Jan 2019 17:36

Tgt Ion:	225	Resp:	83941
Ion Ratio	Lower	Upper	
225	100		
223	61.3	50.5	75.7
227	64.2	51.0	76.4





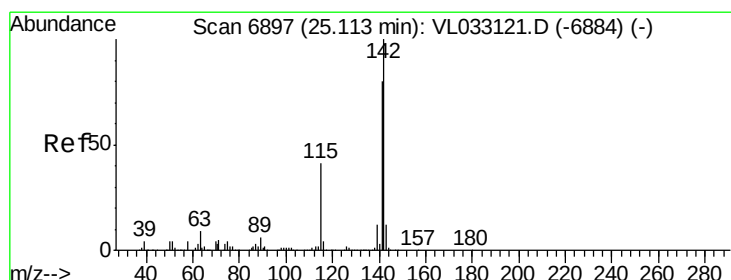
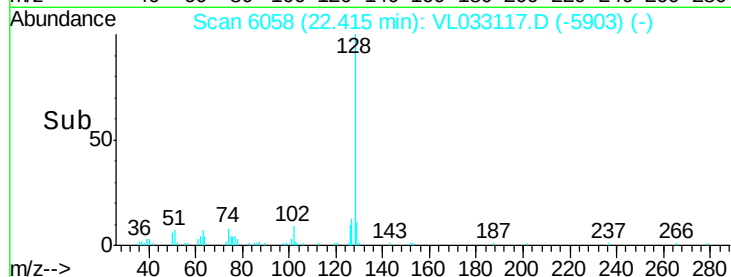
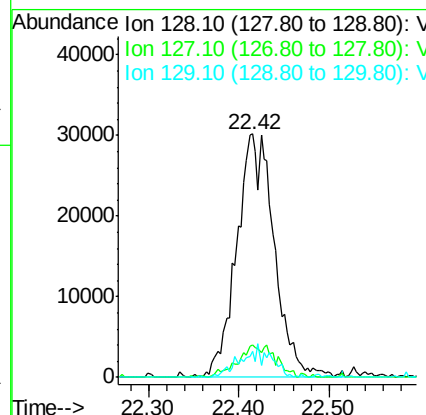
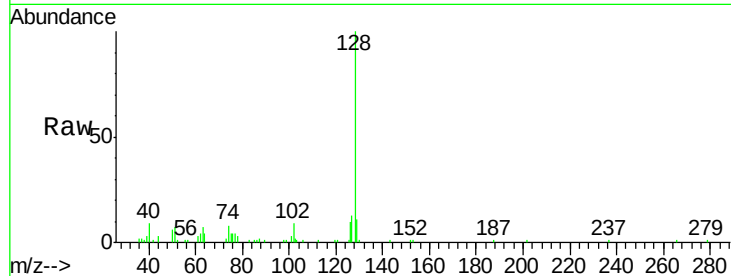
#79
Naphthalene
Concen: 0.279 ppbv m
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.8	9.2	13.8

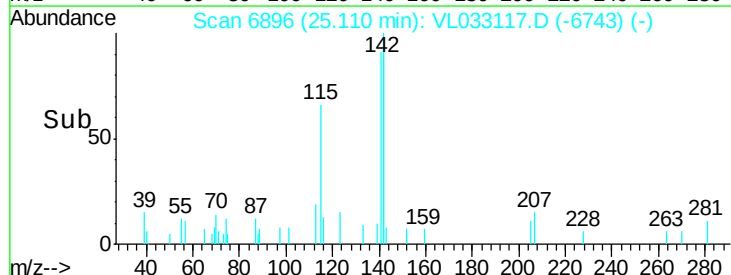
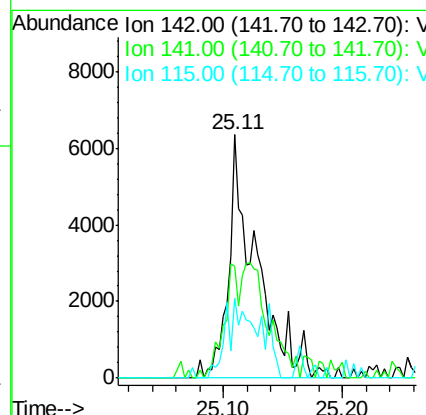
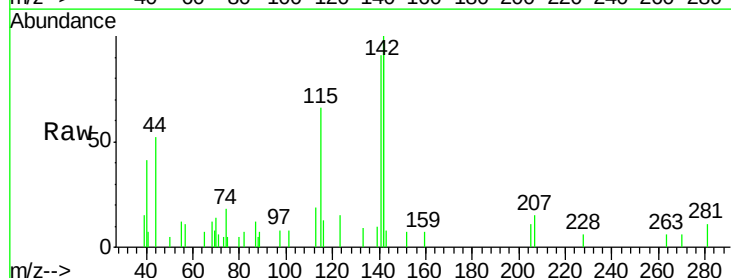
Manual Integrations
APPROVED

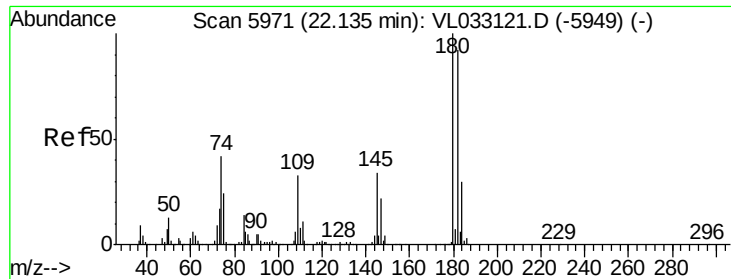
apatel
1/29/2019 2:36:13 PM



#80
Naphthalene, 2-methyl-
Concen: 0.108 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. -0.01 min
Lab File: VL033117.D
Acq: 28 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	76.8	67.4	101.2
115	43.1	34.9	52.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.338 ppbv m
 RT: 22.14 min Scan# 5971
 Delta R.T. -0.00 min
 Lab File: VL033117.D
 Acq: 28 Jan 2019 17:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.5	114.7#
184	0.0	24.2	36.4#

Manual Integrations
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apatel
 1/29/2019 2:36:13 PM

