

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035324.D
 Acq On : 3 Aug 2020 21:06
 Operator : SY/AP
 Sample : VL0803ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Manual Integrations
 APPROVED

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 8/6/2020 2:45:17 PM

Quant Time: Aug 04 06:10:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1493113	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3644211	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3509635m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3029226	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1570811	8.041	ppbv	98
3) Chlorodifluoromethane	2.93	51	1446313	8.429	ppbv	98
4) Chloromethane	3.09	50	820321	8.372	ppbv	99
5) Vinyl Chloride	3.21	62	840577	8.811	ppbv	99
6) Bromomethane	3.43	94	540454	8.612	ppbv	92
7) Chloroethane	3.51	64	319479	8.424	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	1978798	8.397	ppbv	98
9) Propene	2.96	41	536636	8.655	ppbv	99
10) Heptane	8.12	43	1583166	9.949	ppbv	100
11) Trichlorofluoromethane	3.91	101	2143476	8.401	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1500592	8.437	ppbv	99
13) Ethanol	3.56	45	139475	6.089	ppbv	99
14) Bromoethene	3.70	108	662011	9.039	ppbv	99
15) Acetone	3.81	43	1691824	7.836	ppbv	99
16) 1,3-Butadiene	3.28	39	740484	9.196	ppbv	100
17) tert-Butyl alcohol	4.25	59	1690673	8.597	ppbv	100
18) 1,1-Dichloroethene	4.25	96	694473	8.674	ppbv	99
19) Isopropyl Alcohol	3.93	45	1072389	7.907	ppbv #	98
20) Methylene Chloride	4.31	84	623962	6.327	ppbv	92
21) Allyl Chloride	4.38	41	1097618	8.977	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	677946	8.535	ppbv	96
23) Vinyl Acetate	5.05	43	1989308	9.298	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1701111	8.545	ppbv	99
25) Ethyl Acetate	5.65	43	2875326	8.810	ppbv	99
26) Hexane	5.66	57	1277718	8.744	ppbv	99
27) Carbon Disulfide	4.52	76	1793946	9.124	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2033944	9.263	ppbv	99
29) Chloroform	5.74	83	2138235	8.651	ppbv	98
30) Cyclohexane	7.12	84	1089779	9.943	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1279847	9.494	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	2146498	8.981	ppbv	99
34) 2-Butanone	5.22	43	1745522	9.098	ppbv	99
35) Carbon Tetrachloride	7.01	117	2204128	9.353	ppbv	99
36) Benzene	6.89	78	2541393	9.512	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1676510	9.263	ppbv	99
38) Trichloroethene	7.84	130	1068739	10.886	ppbv	96
39) 1,2-Dichloropropane	7.61	63	987103	9.375	ppbv	99
40) 1,4-Dioxane	7.83	88	370450	8.101	ppbv #	1
41) Tetrahydrofuran	6.03	42	925655	9.781	ppbv	97
42) Bromodichloromethane	7.79	83	2278028	9.225	ppbv	96
43) Methyl Methacrylate	8.01	69	1152157	10.322	ppbv	100

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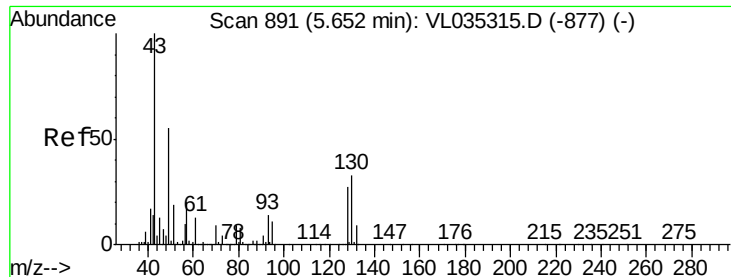
Manual Integrations
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Quant Time: Aug 04 06:10:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4340399	9.483	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1313899	11.027	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1538370	10.784	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1119755m	9.163	ppbv	
48) Dibromochloromethane	10.32	129	1928307	9.698	ppbv	100
49) Bromoform	13.07	173	1758456	10.153	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2654021	9.794	ppbv	99
51) 2-Hexanone	10.14	43	2161679	10.310	ppbv	98
52) Tetrachloroethene	11.24	164	963695	10.239	ppbv	98
53) Toluene	9.82	91	3002533	10.687	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1724906	9.535	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1503809	9.130	ppbv	96
57) Chlorobenzene	12.17	112	2418542	9.004	ppbv	96
58) Ethyl Benzene	12.73	91	4075705	10.599	ppbv	97
59) m/p-Xylene	13.02	91	6968785m	19.641	ppbv	
60) o-Xylene	13.72	91	3538570	10.088	ppbv	99
61) Styrene	13.55	104	2432755	11.280	ppbv	99
62) Isopropylbenzene	14.70	105	5162133	9.756	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2612216	9.494	ppbv	100
64) n-propylbenzene	15.59	120	1414907	10.222	ppbv	100
65) tert-Butylbenzene	16.78	119	4727004	9.976	ppbv	99
66) Benzyl Chloride	17.03	91	1892683	10.332	ppbv	100
67) sec-Butylbenzene	17.33	105	6620307	9.882	ppbv	99
69) p-Isopropyltoluene	17.69	119	5496331	9.917	ppbv	100
70) n-Butylbenzene	18.58	91	5726242	9.604	ppbv	100
71) 2-Chlorotoluene	15.49	91	4033342	10.213	ppbv	99
72) 4-Ethyltoluene	15.87	105	4141869	10.465	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3921338	10.115	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	4175603	9.394	ppbv #	92
75) 1,3-Dichlorobenzene	17.03	146	2428190	8.782	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2403034	9.181	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2337593	9.167	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1721205	8.313	ppbv	99
79) Naphthalene	22.25	128	3550827	10.093	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1142085	11.056	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	2002988	9.359	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion: 49 Resp: 1493113

Ion Ratio Lower Upper

49 100

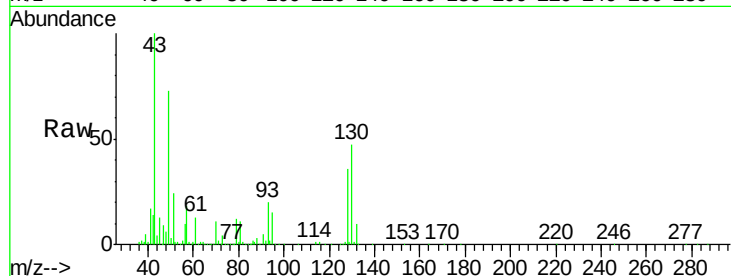
128 49.1 23.8 71.5

130 62.8 31.4 94.3

Manual Integrations
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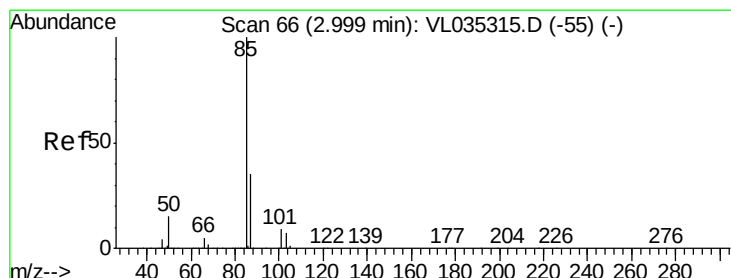
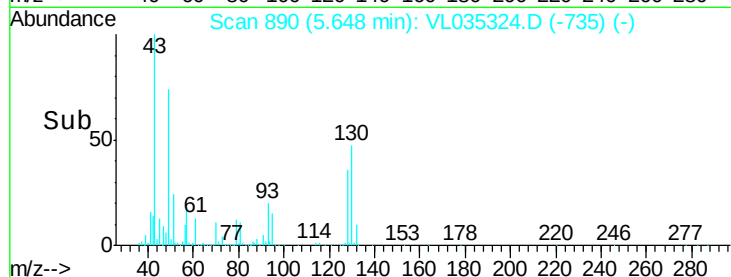
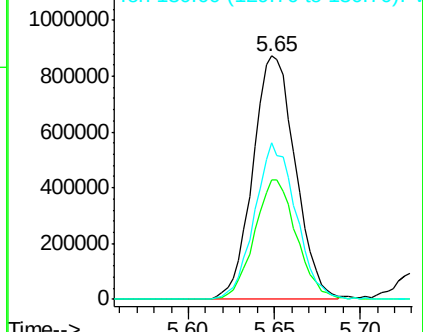
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.041 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL035324.D

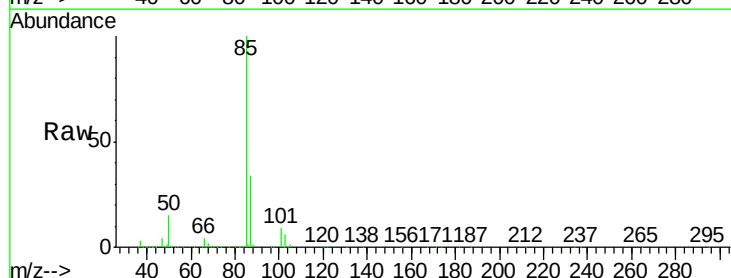
Acq: 3 Aug 2020 21:06

Tgt Ion: 85 Resp: 1570811

Ion Ratio Lower Upper

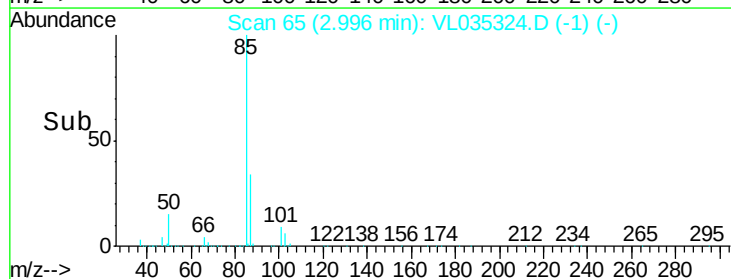
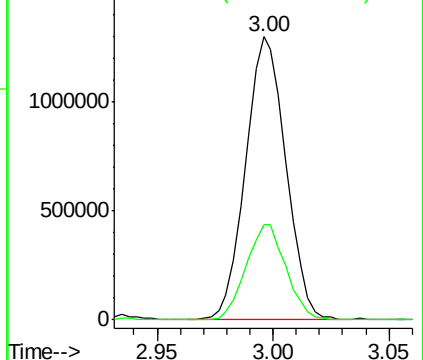
85 100

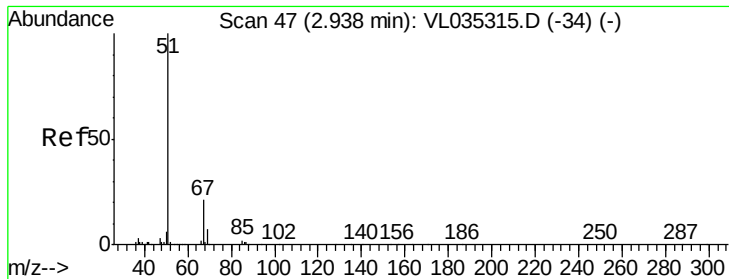
87 33.5 27.8 41.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.429 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tot Ion: 51 Resp: 1446313

Ion Ratio Lower Upper

51 100

67 21.2 16.2 24.2

Instrument :

MSVOA_L

ClientSampleId :

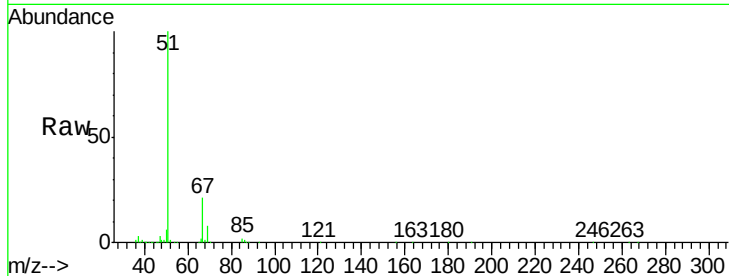
VL0803ABS01

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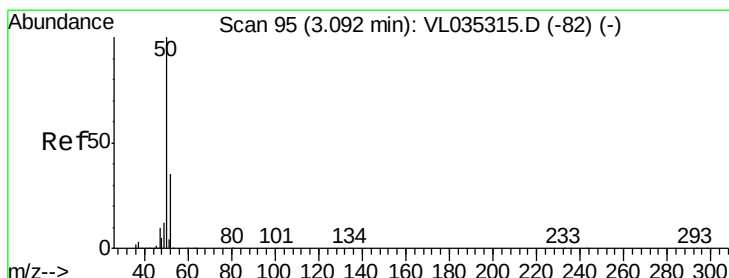
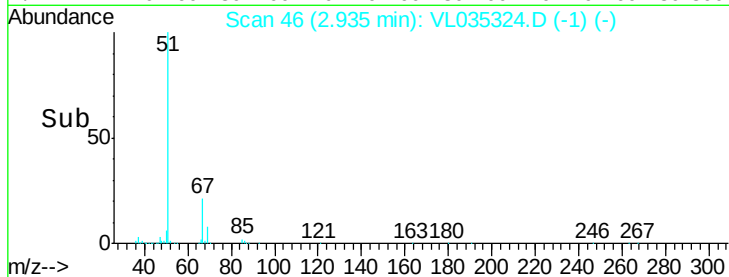
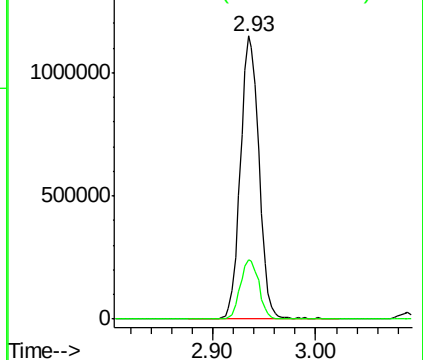
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.372 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.00 min

Lab File: VL035324.D

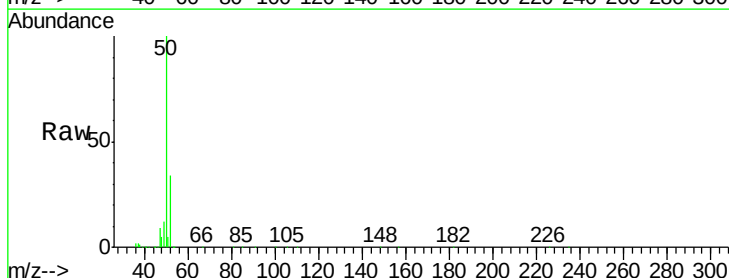
Acq: 3 Aug 2020 21:06

Tgt Ion: 50 Resp: 820321

Ion Ratio Lower Upper

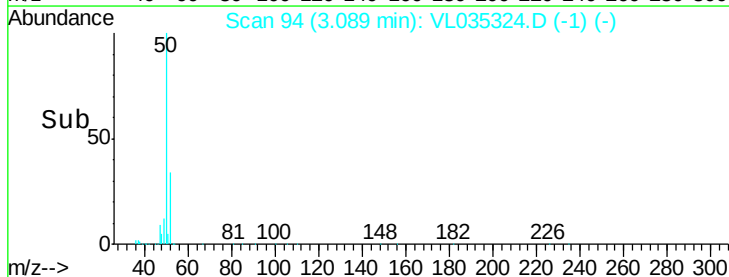
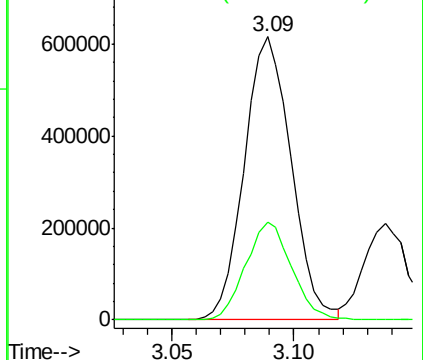
50 100

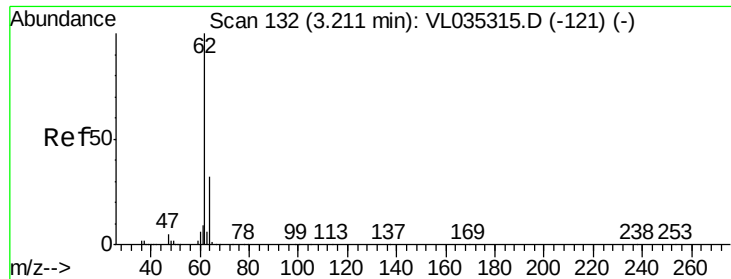
52 34.4 27.8 41.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.811 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion: 62 Resp: 840577

Ion Ratio Lower Upper

62 100

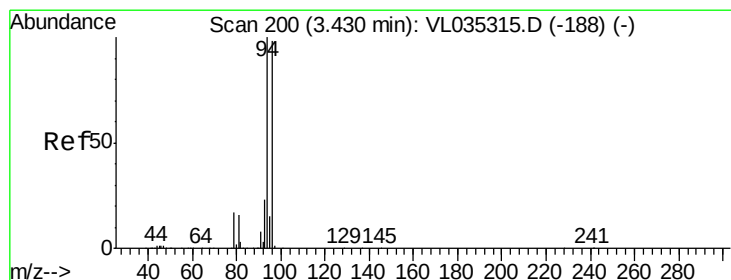
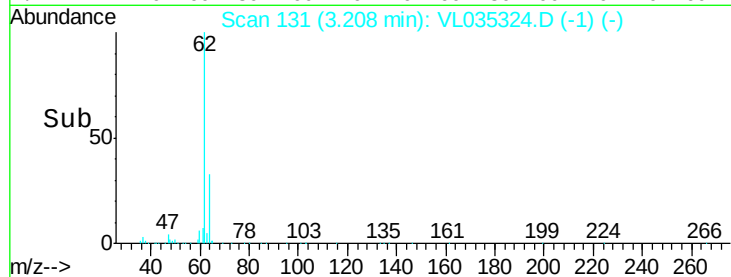
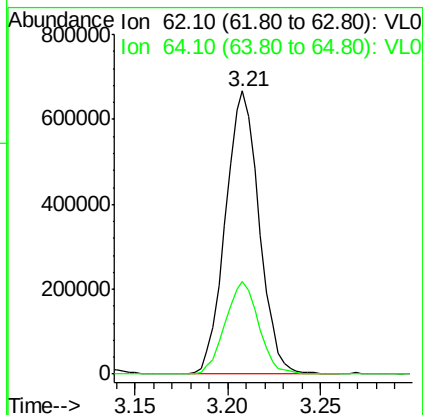
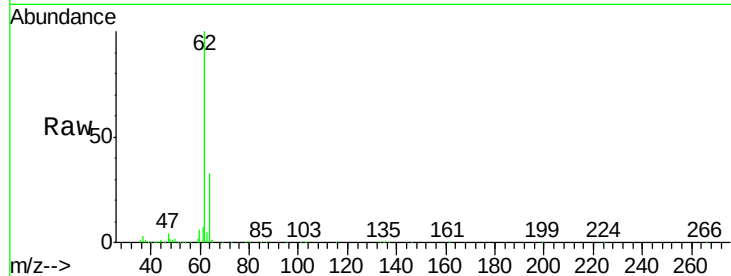
64 32.9 25.9 38.9

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#6

Bromomethane

Concen: 8.612 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.00 min

Lab File: VL035324.D

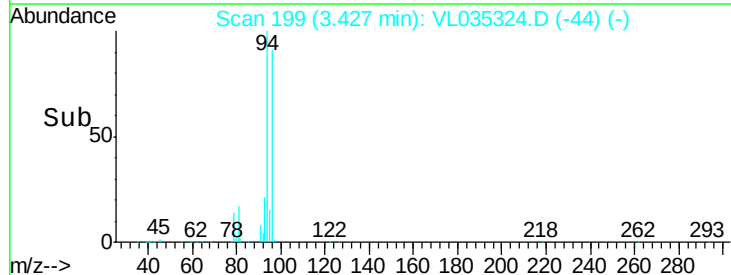
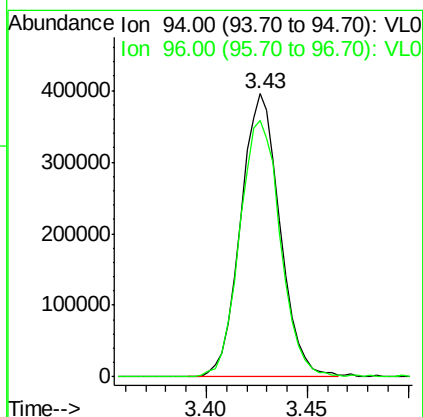
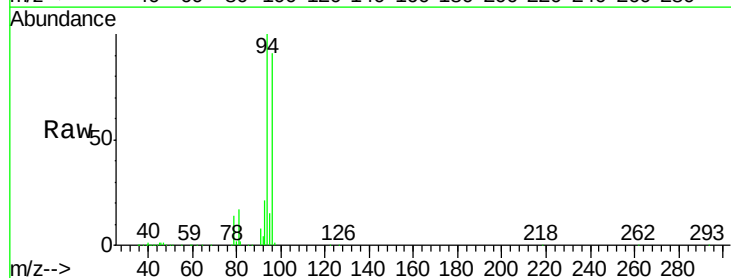
Acq: 3 Aug 2020 21:06

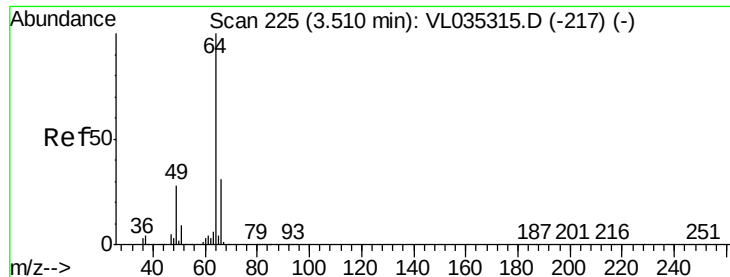
Tgt Ion: 94 Resp: 540454

Ion Ratio Lower Upper

94 100

96 90.6 78.6 117.8





#7

Chloroethane

Concen: 8.424 ppbv

RT: 3.51 min Scan# 225

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion: 64 Resp: 319479

Ion Ratio Lower Upper

64 100

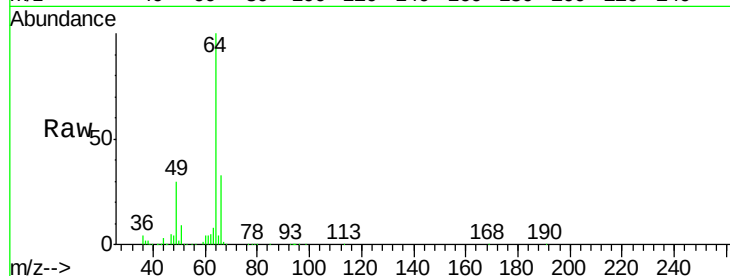
66 32.7 24.9 37.3

Manual Integrations

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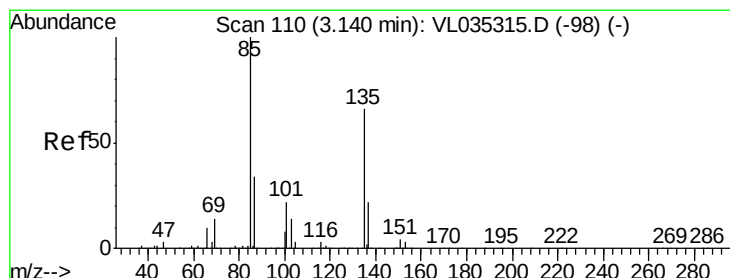
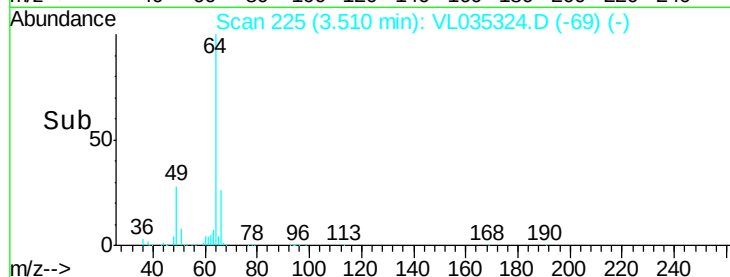
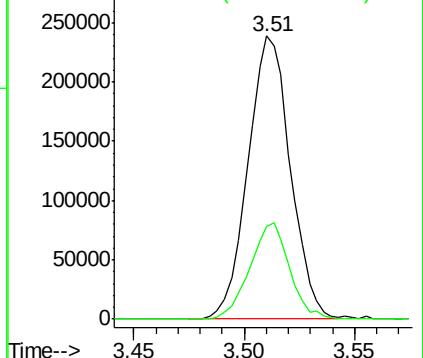
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.397 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL035324.D

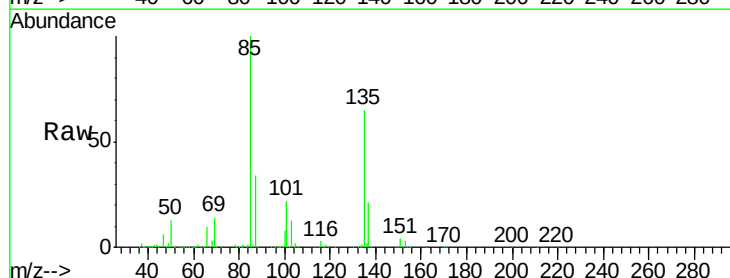
Acq: 3 Aug 2020 21:06

Tgt Ion: 85 Resp: 1978798

Ion Ratio Lower Upper

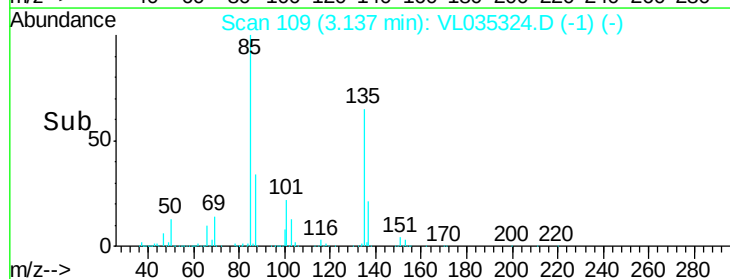
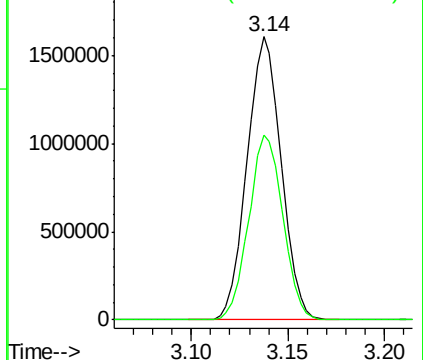
85 100

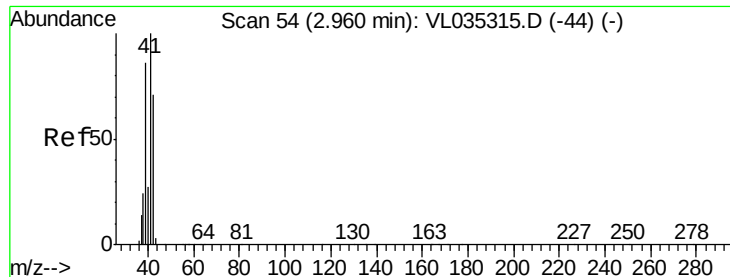
135 65.4 53.4 80.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.655 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion: 41 Resp: 536636

Ion Ratio Lower Upper

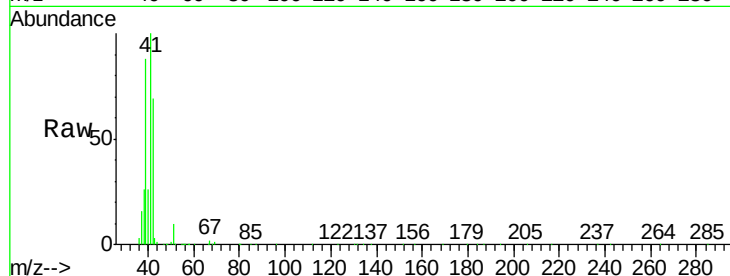
41 100

42 72.1 56.8 85.2

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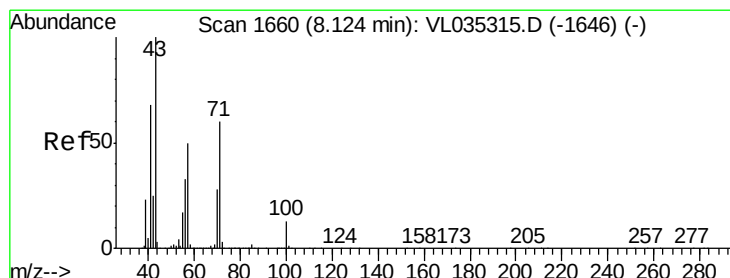
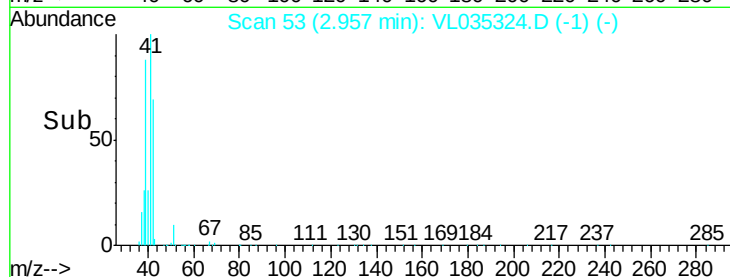
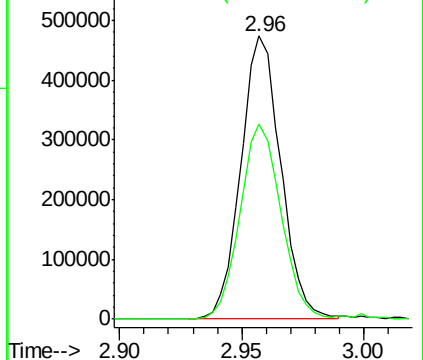
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.949 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VL035324.D

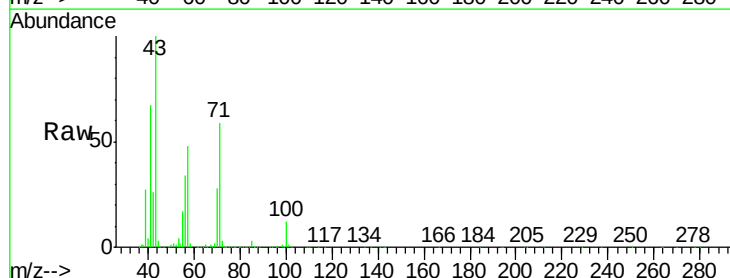
Acq: 3 Aug 2020 21:06

Tgt Ion: 43 Resp: 1583166

Ion Ratio Lower Upper

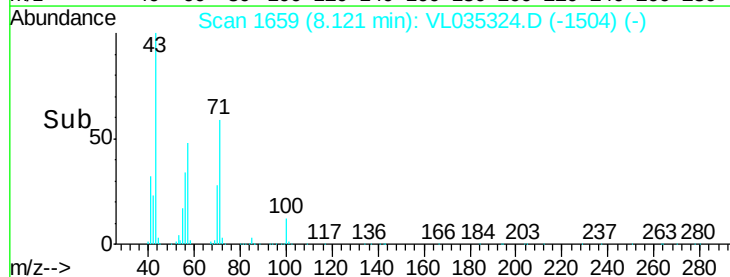
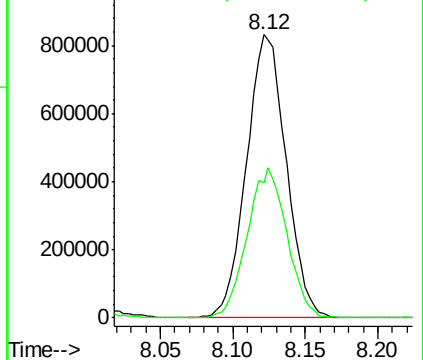
43 100

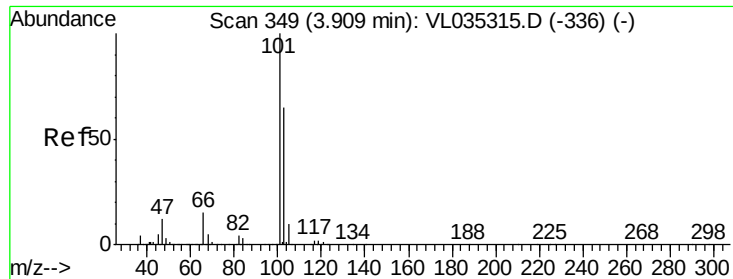
57 53.0 42.4 63.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





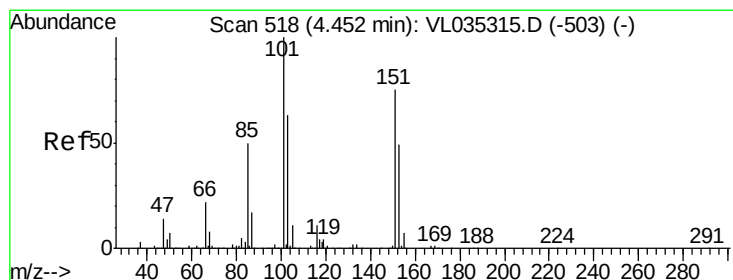
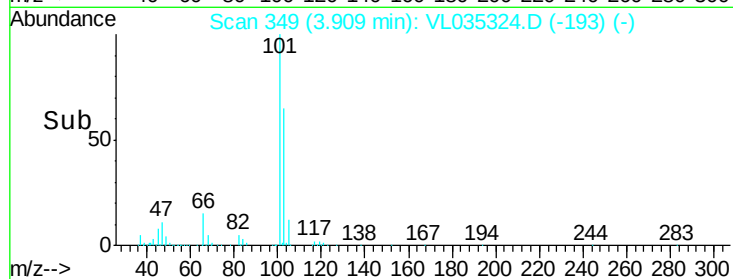
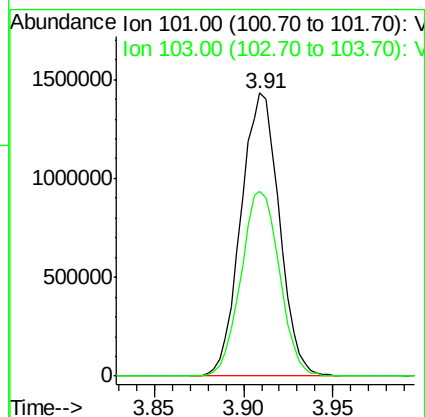
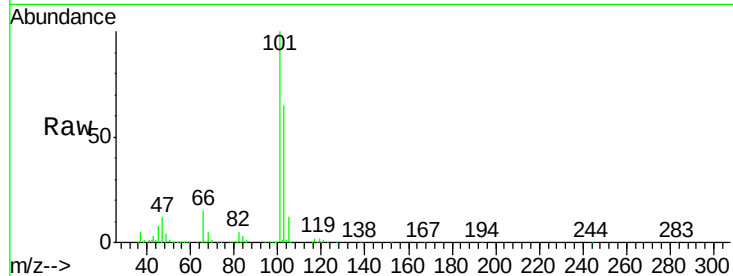
#11
 Trichlorofluoromethane
 Concen: 8.401 ppbv
 RT: 3.91 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion:101 Resp: 2143476
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.8 77.6

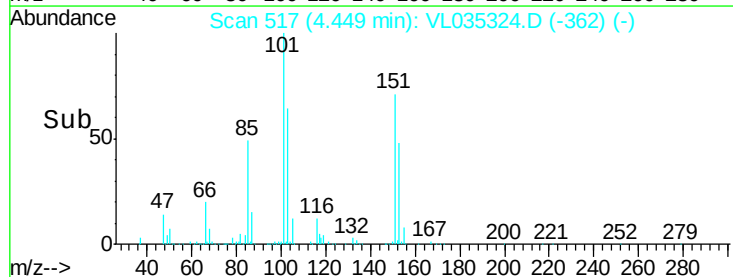
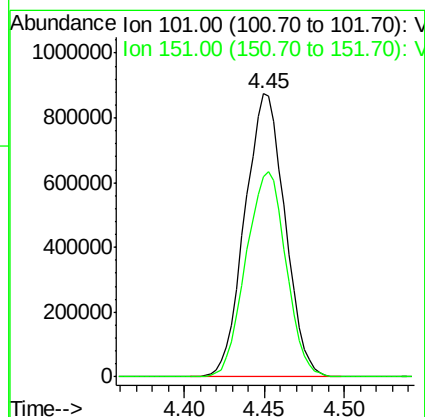
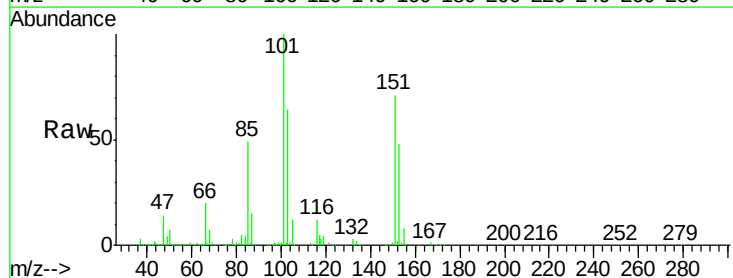
Manual Integrations
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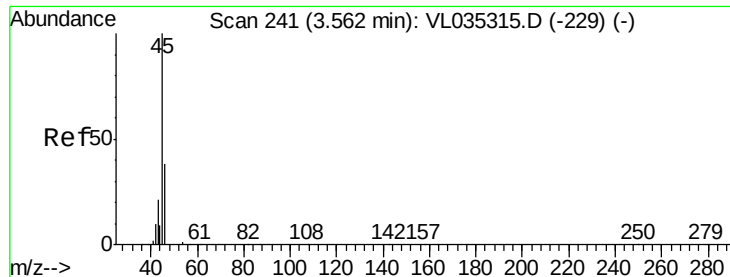
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.437 ppbv
 RT: 4.45 min Scan# 517
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion:101 Resp: 1500592
 Ion Ratio Lower Upper
 101 100
 151 72.6 58.9 88.3





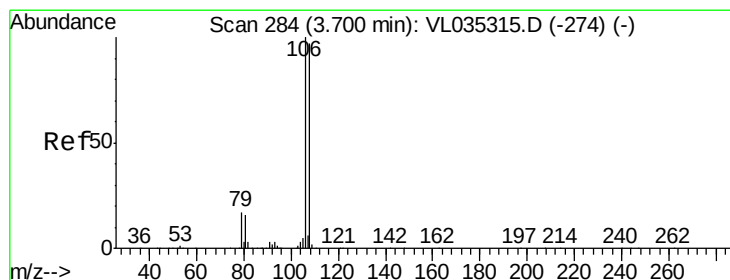
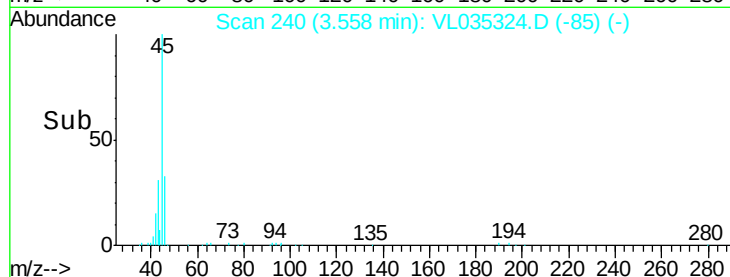
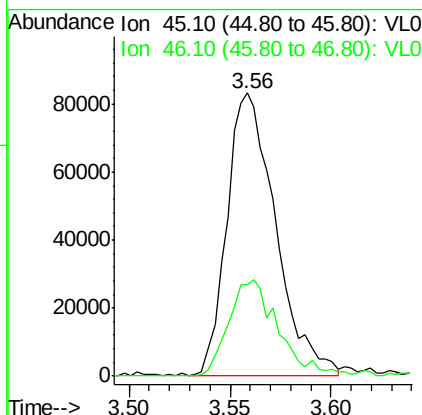
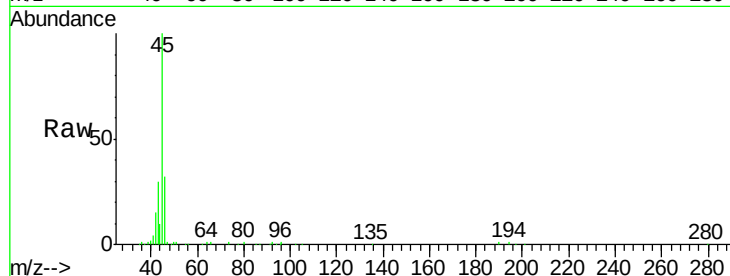
#13
Ethanol
Concen: 6.089 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.9	14.5	57.9

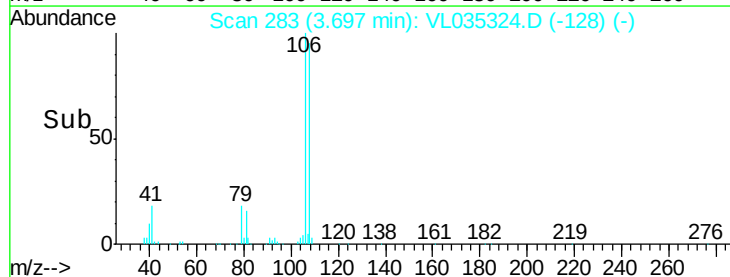
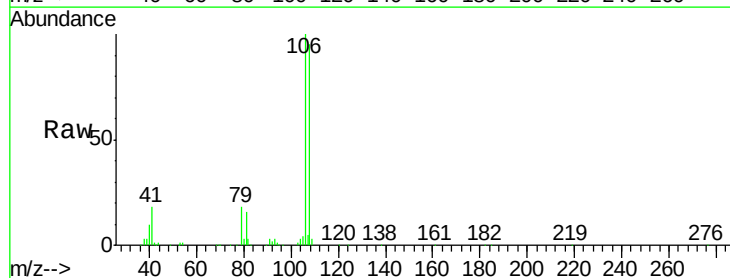
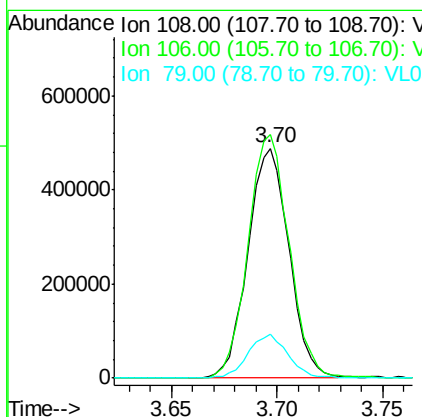
Manual Integrations
APPROVED

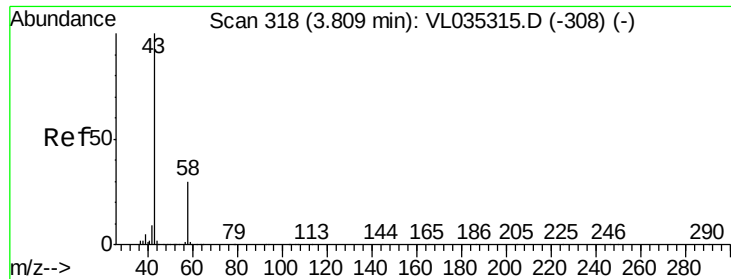
apatel
8/6/2020 2:45:17 PM



#14
Bromoethene
Concen: 9.039 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.5	86.2	129.2
79	18.5	14.0	21.0





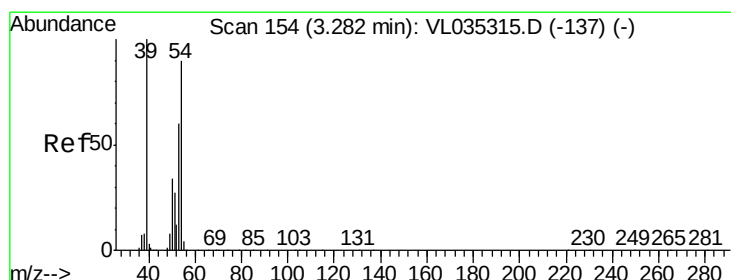
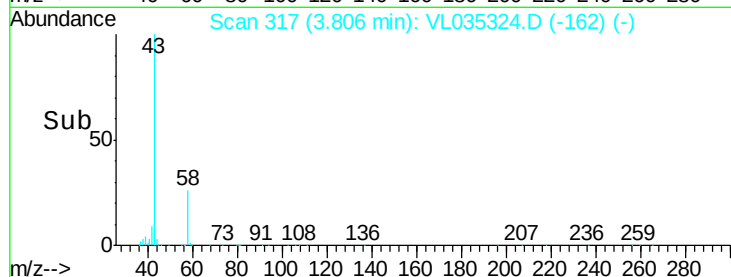
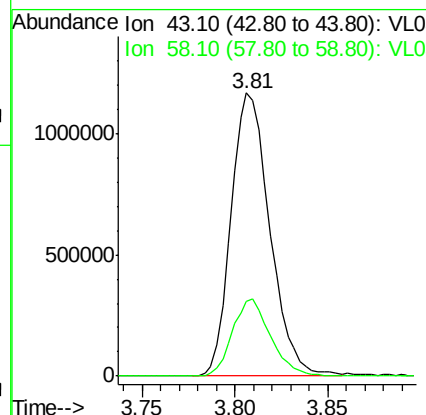
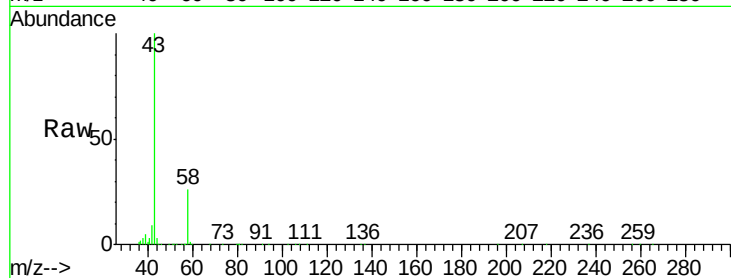
#15
Acetone
Concen: 7.836 ppbv
RT: 3.81 min Scan# 317
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampled :
VL0803ABS01

Tot Ion: 43 Resp: 1691824
Ion Ratio Lower Upper
43 100
58 27.1 22.1 33.1

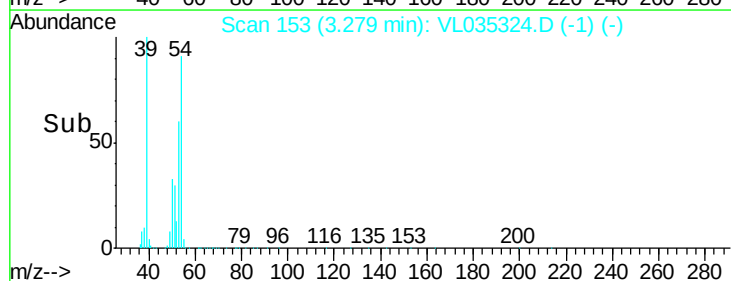
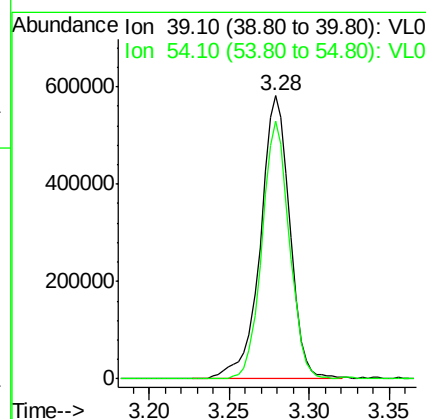
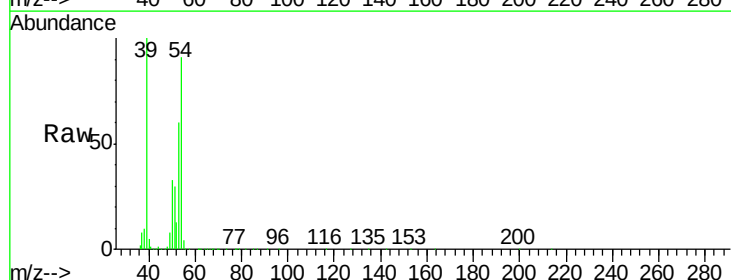
Manual Integrations
APPROVED

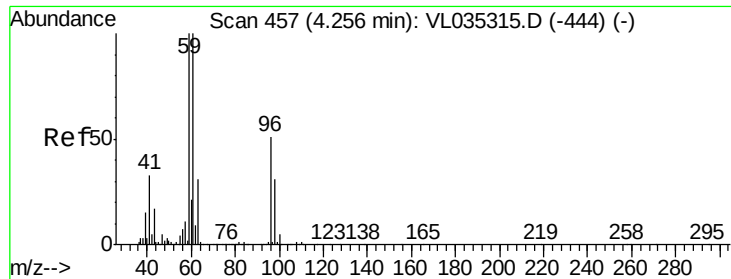
apatel
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#16
1,3-Butadiene
Concen: 9.196 ppbv
RT: 3.28 min Scan# 153
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion: 39 Resp: 740484
Ion Ratio Lower Upper
39 100
54 85.0 68.0 102.0





#17

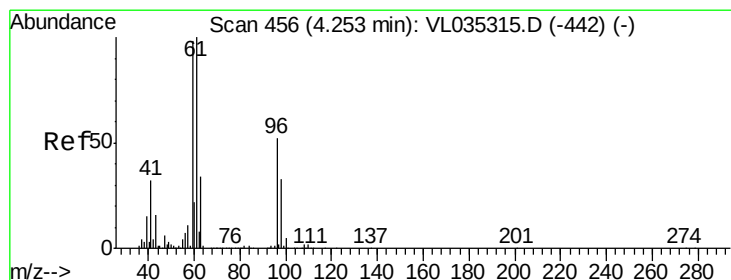
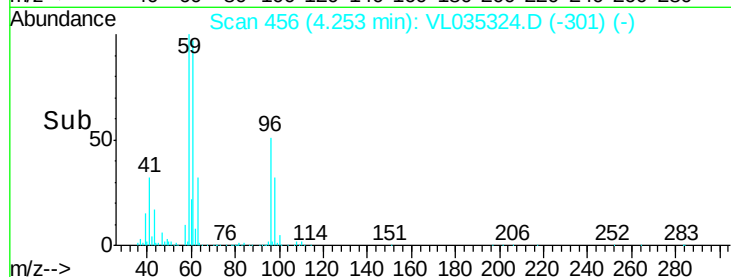
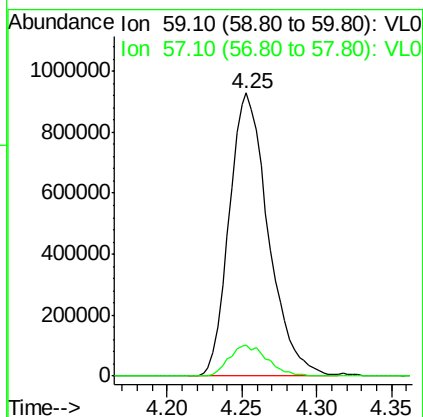
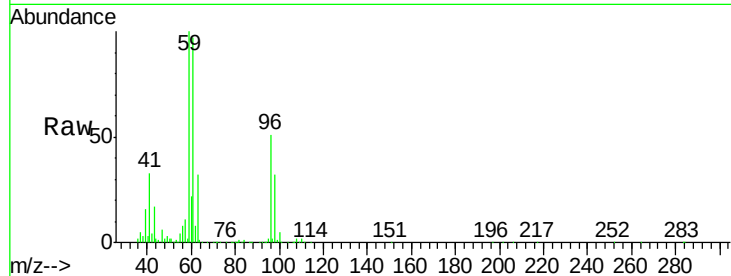
tert-Butyl alcohol
Concen: 8.597 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

Tot Ion: 59 Resp: 1690673
Ion Ratio Lower Upper
59 100
57 10.9 8.6 13.0

Manual Integrations
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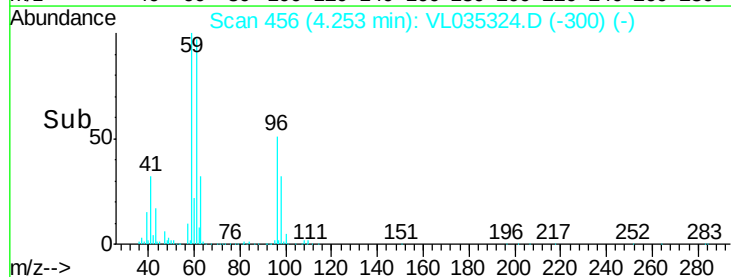
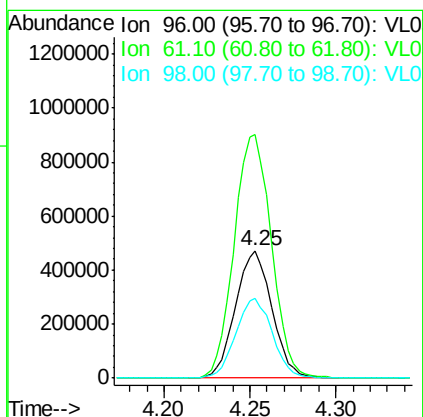
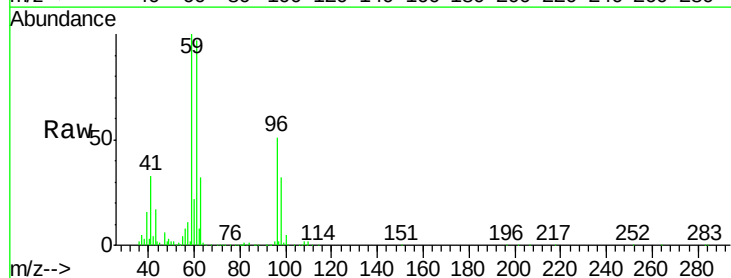
apatel
8/6/2020 2:45:17 PM

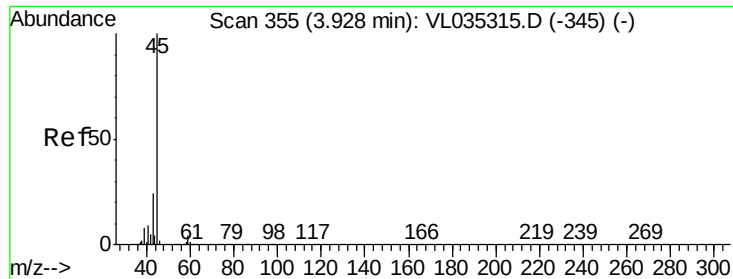


#18

1,1-Dichloroethene
Concen: 8.674 ppbv
RT: 4.25 min Scan# 456
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion: 96 Resp: 694473
Ion Ratio Lower Upper
96 100
61 191.2 154.9 232.3
98 62.9 51.0 76.4





#19

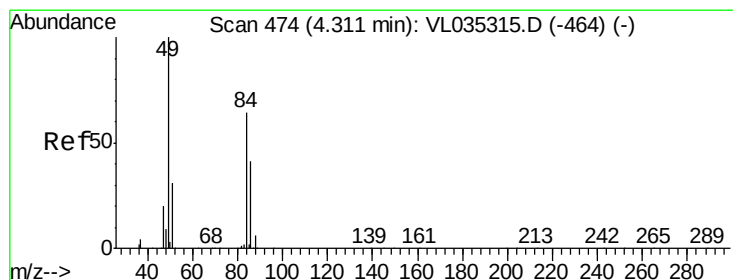
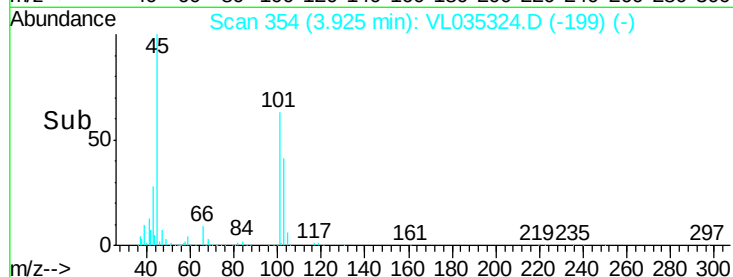
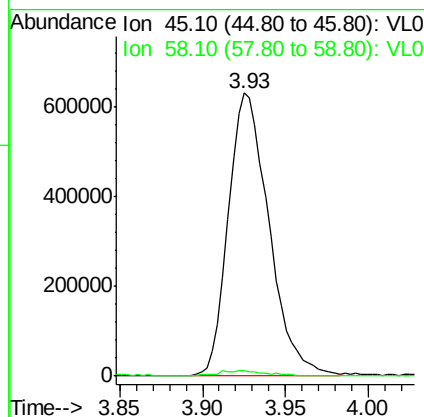
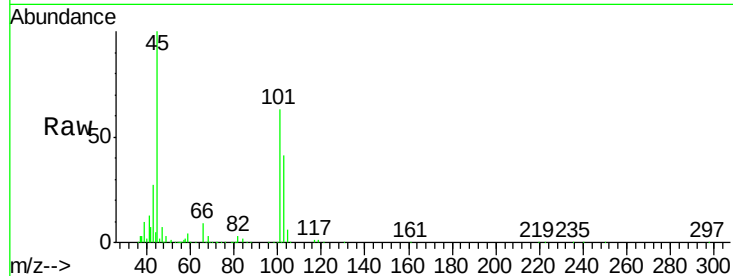
Isopropyl Alcohol
 Concen: 7.907 ppbv
 RT: 3.93 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion: 45 Resp: 1072389
 Ion Ratio Lower Upper
 45 100
 58 2.6 1.5 2.3#

Manual Integrations
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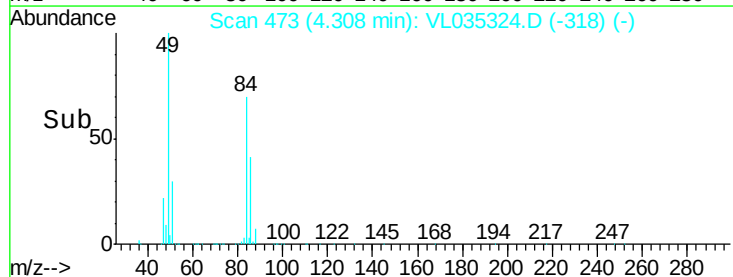
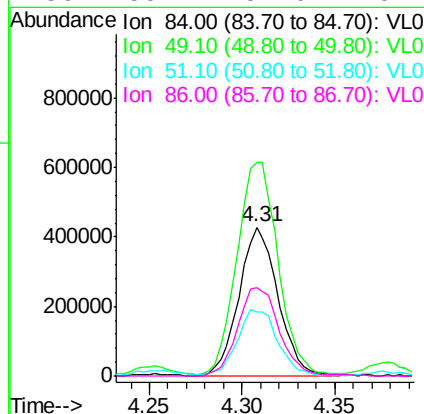
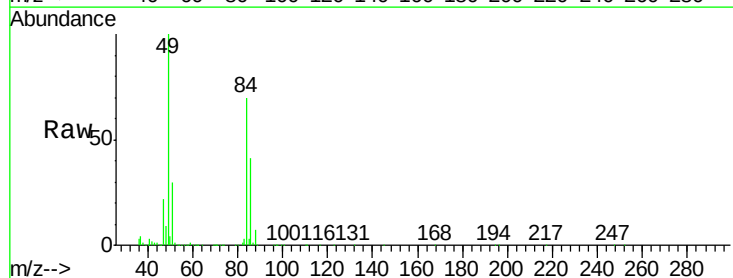
apatel
 8/6/2020 2:45:17 PM

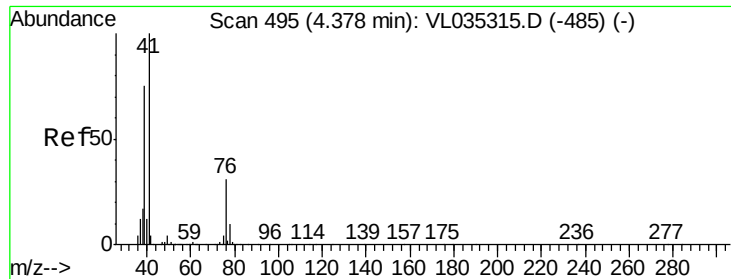


#20

Methylene Chloride
 Concen: 6.327 ppbv
 RT: 4.31 min Scan# 473
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion: 84 Resp: 623962
 Ion Ratio Lower Upper
 84 100
 49 142.7 124.2 186.2
 51 42.4 38.6 58.0
 86 59.7 51.0 76.4





#21

Allvl Chloride

Concen: 8.977 ppbv

RT: 4.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

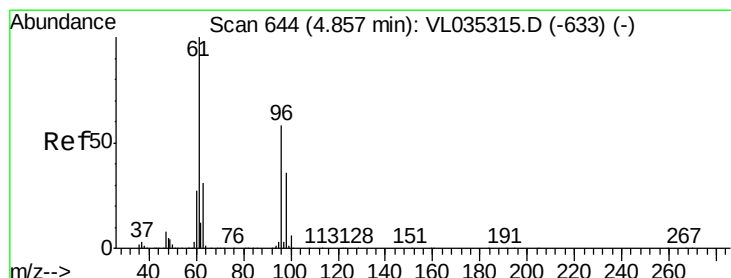
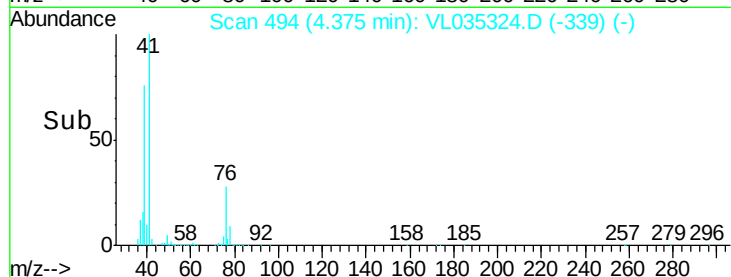
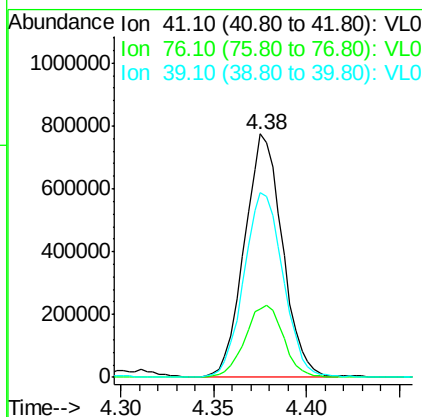
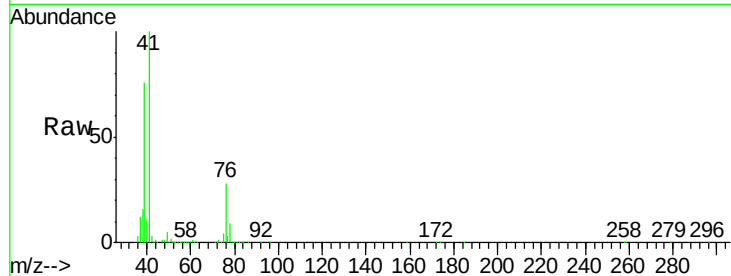
ClientSampleId :

VL0803ABS01

Tot Ion:	41	Resp:	1097618
Ion	Ratio	Lower	Upper
41	100		
76	30.4	24.4	36.6
39	78.9	61.8	92.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 8.535 ppbv

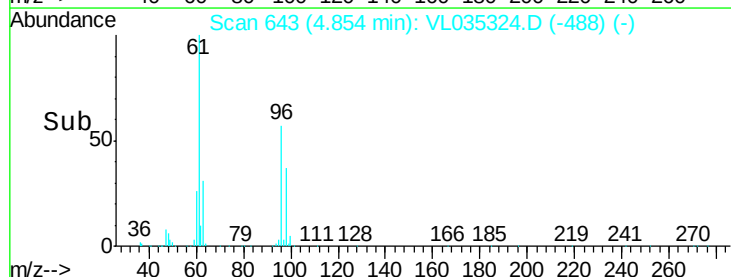
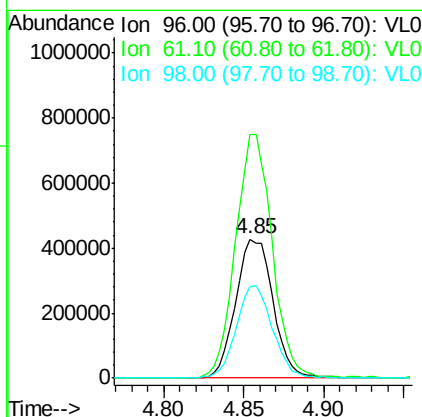
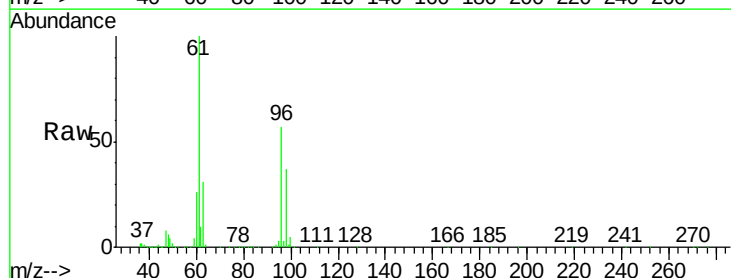
RT: 4.85 min Scan# 643

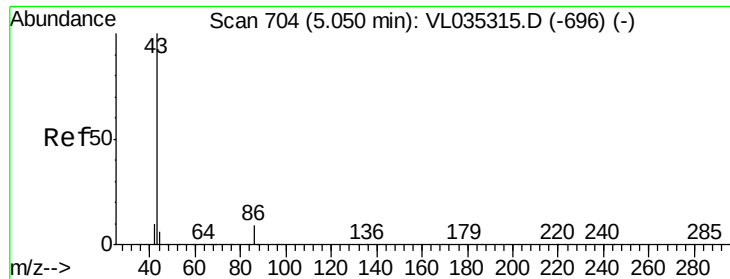
Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion:	96	Resp:	677946
Ion	Ratio	Lower	Upper
96	100		
61	175.5	136.8	205.2
98	65.5	49.2	73.8





#23

Vinyl Acetate

Concen: 9.298 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tot Ion: 43 Resp: 1989308

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7

42 11.3 8.2 12.4

44 6.4 5.0 7.6

Instrument :

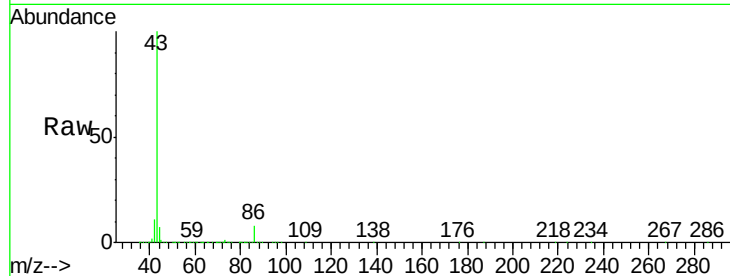
MSVOA_L

ClientSampleId :

VL0803ABS01

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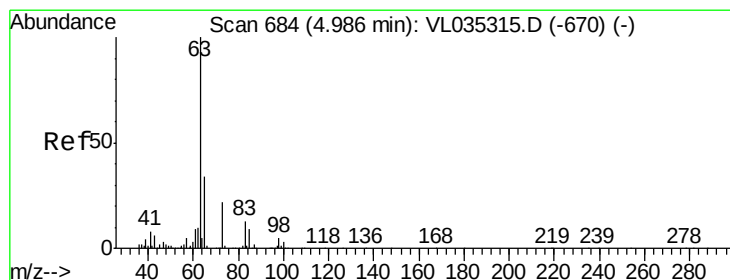
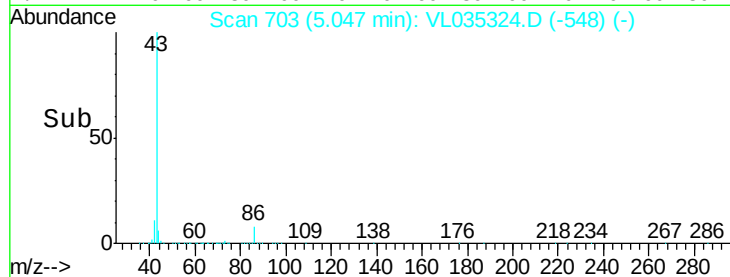
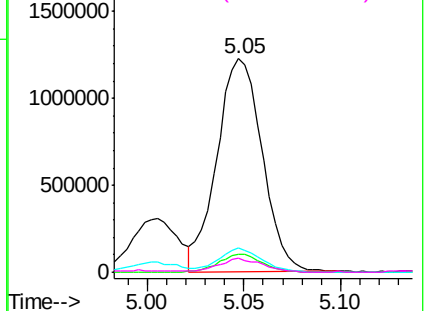


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.545 ppbv

RT: 4.99 min Scan# 684

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

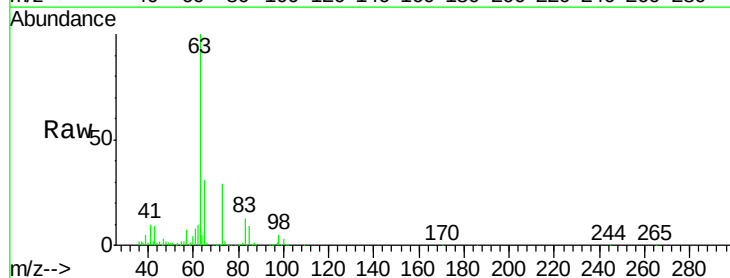
Tgt Ion: 63 Resp: 1701111

Ion Ratio Lower Upper

63 100

98 4.5 2.5 7.5

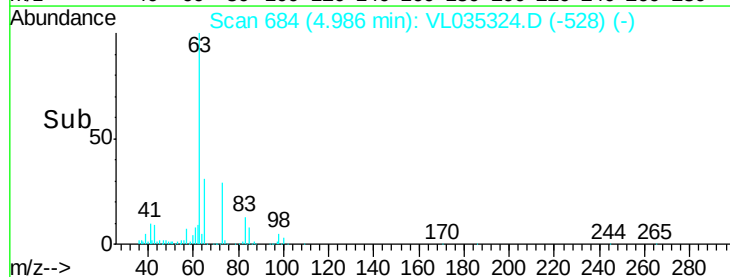
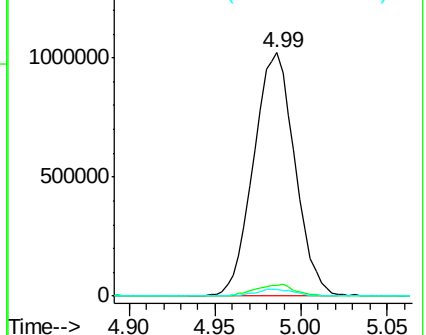
100 2.9 1.5 4.4

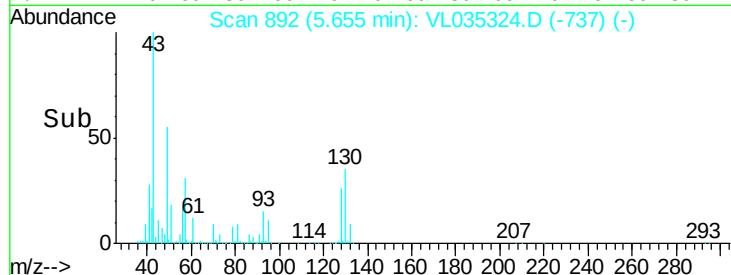
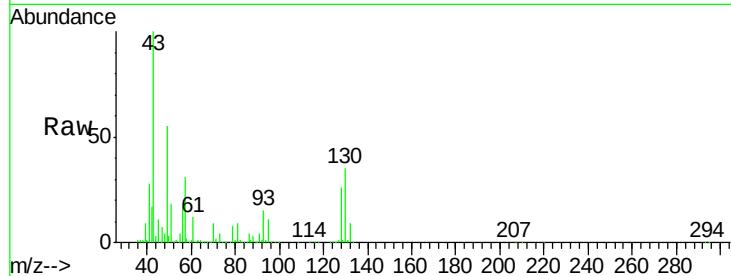
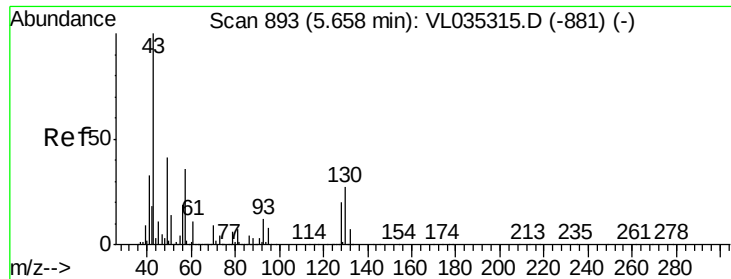


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





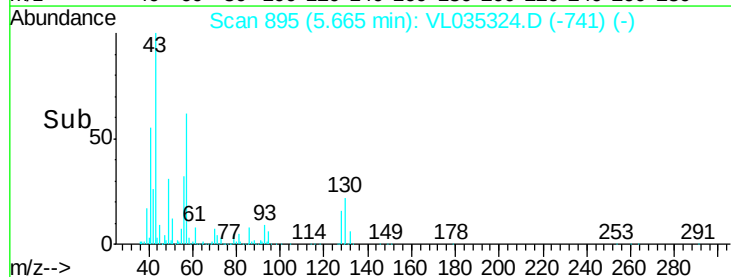
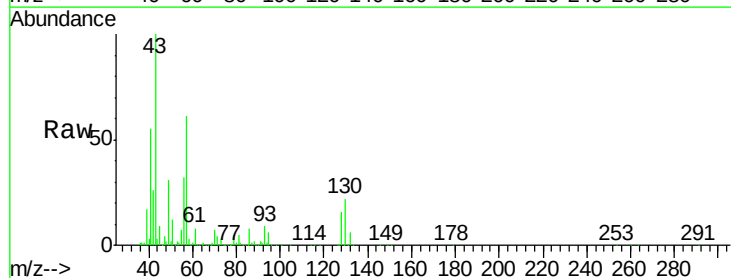
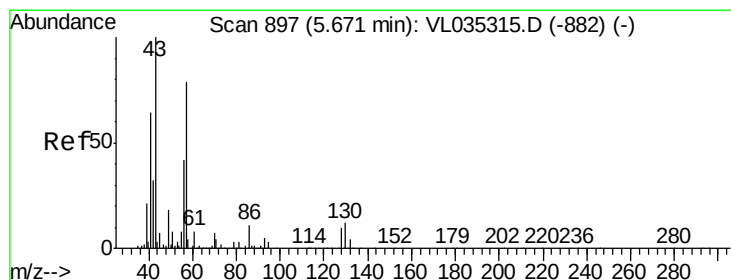
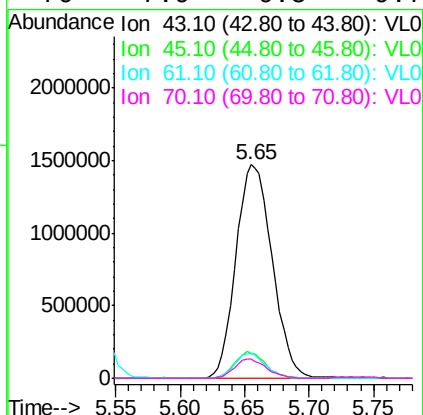
#25
Ethyl Acetate
Concen: 8.810 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tot Ion	43	Resp	2875326
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.6	12.8
61	9.9	8.1	12.1
70	7.9	6.5	9.7

Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

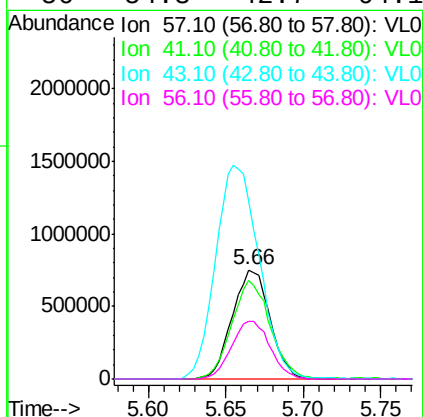
Manual Integrations
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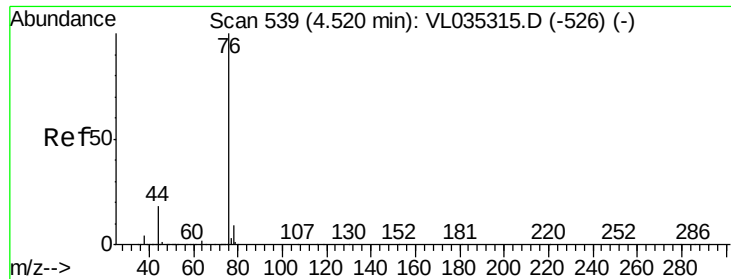
apatel
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#26
Hexane
Concen: 8.744 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion	57	Resp	1277718
Ion	Ratio	Lower	Upper
57	100		
41	92.8	72.1	108.1
43	225.0	179.0	268.6
56	54.3	42.7	64.1





#27

Carbon Disulfide

Concen: 9.124 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

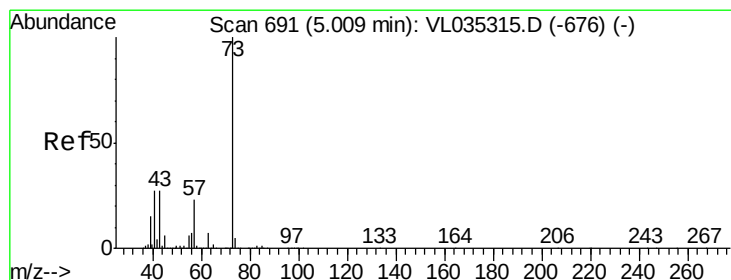
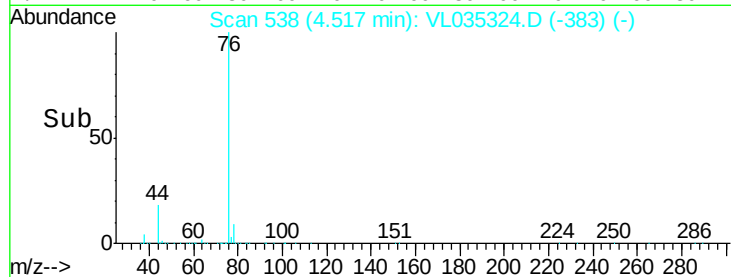
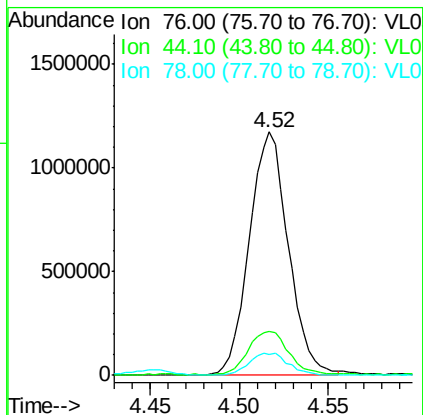
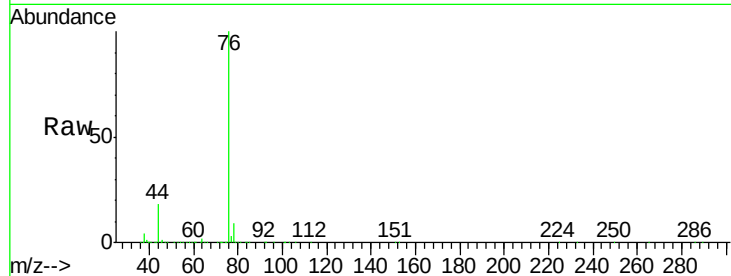
ClientSampleId :

VL0803ABS01

Tot Ion:	76	Resp:	1793946
Ion	Ratio	Lower	Upper
76	100		
44	19.0	14.8	22.2
78	9.5	7.8	11.8

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#28

Methyl tert-Butyl Ether

Concen: 9.263 ppbv

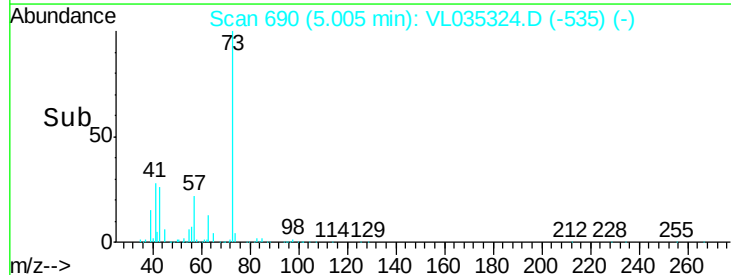
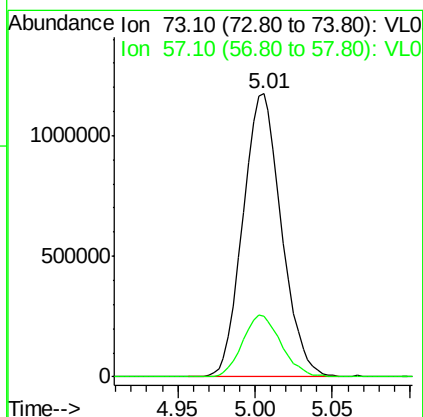
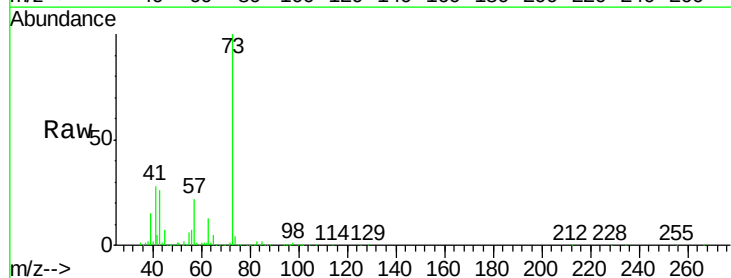
RT: 5.01 min Scan# 690

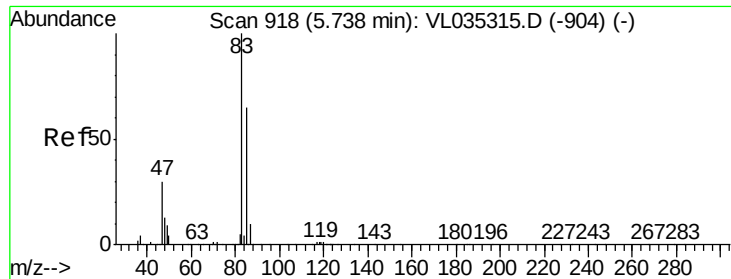
Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion:	73	Resp:	2033944
Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.2	27.2





#29

Chloroform

Concen: 8.651 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion: 83 Resp: 2138235

Ion Ratio Lower Upper

83 100

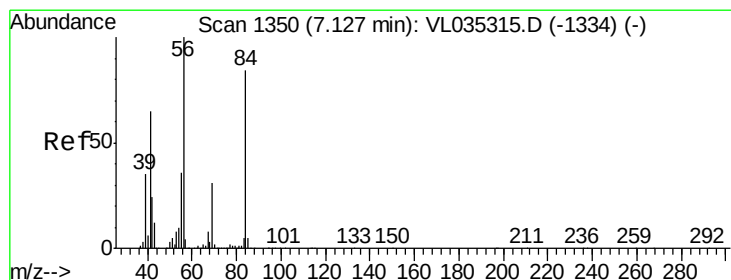
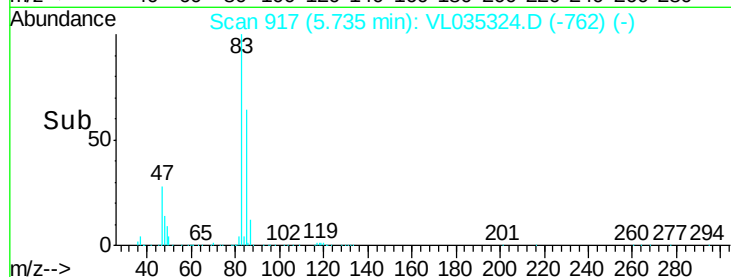
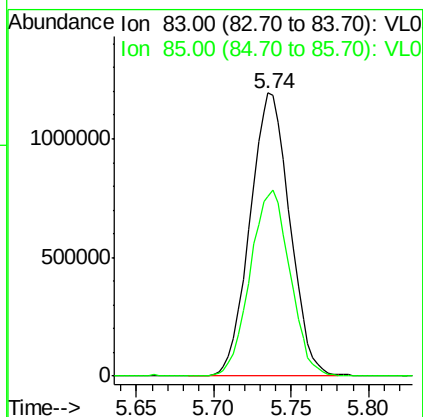
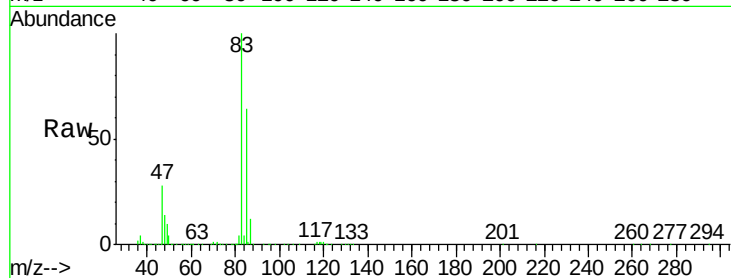
85 63.6 51.9 77.9

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#30

Cyclohexane

Concen: 9.943 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

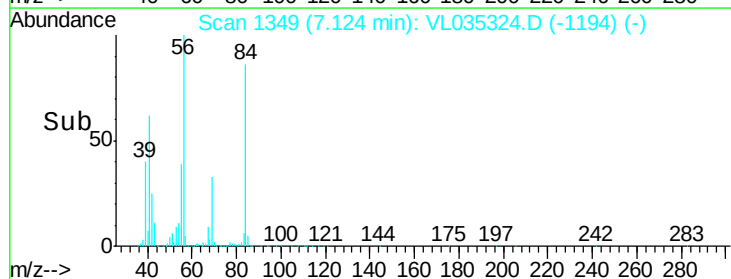
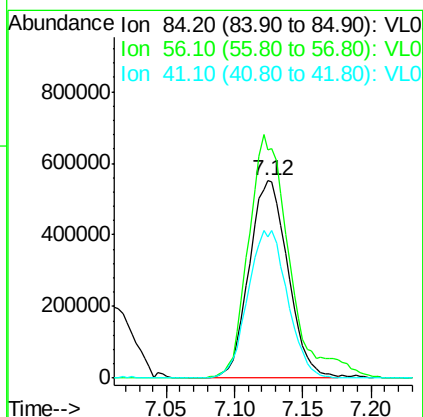
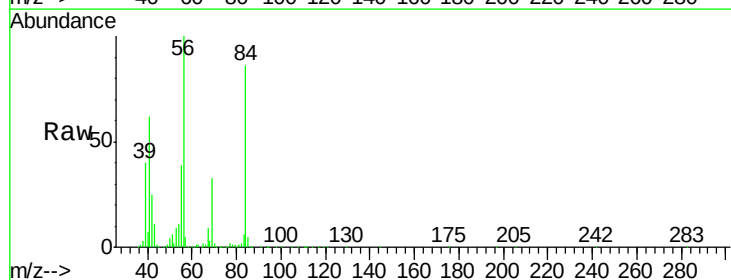
Tgt Ion: 84 Resp: 1089779

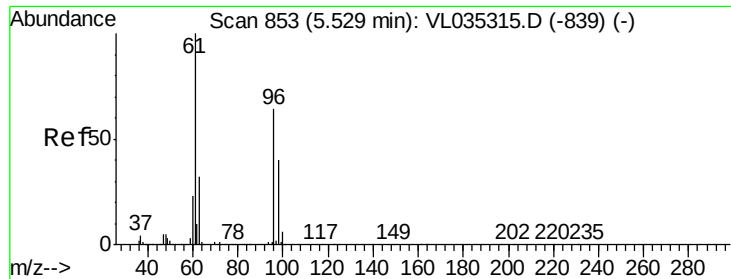
Ion Ratio Lower Upper

84 100

56 130.3 103.0 154.6

41 76.5 62.7 94.1





#31

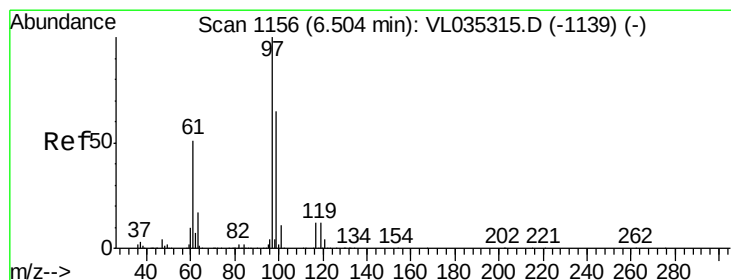
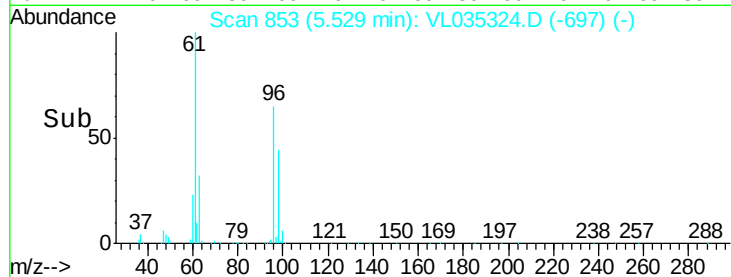
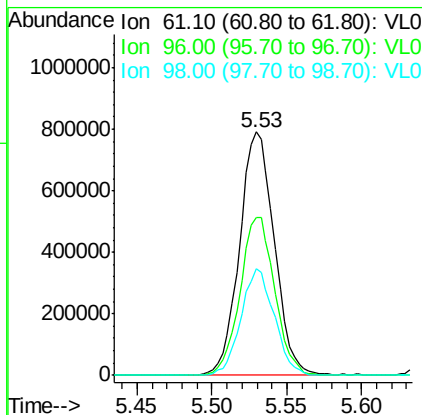
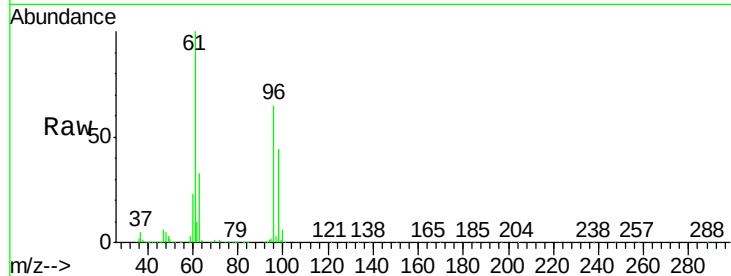
cis-1,2-Dichloroethene
 Concen: 9.494 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.8	51.4	77.2
98	43.9	32.2	48.4

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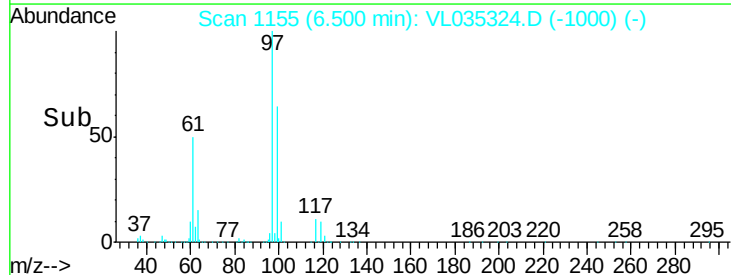
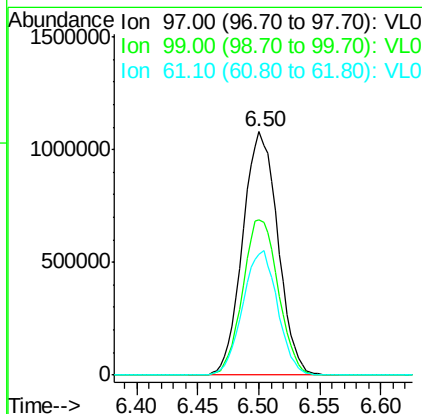
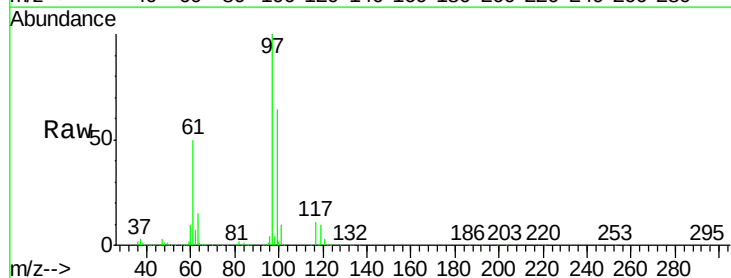
apatel
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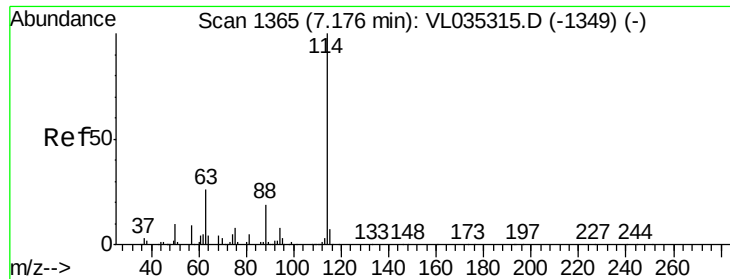


#32

1,1,1-Trichloroethane
 Concen: 8.981 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.4
61	50.6	40.9	61.3





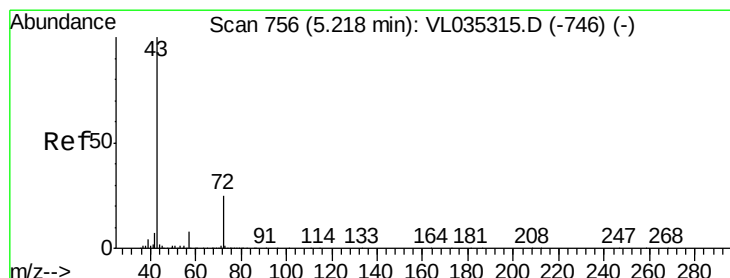
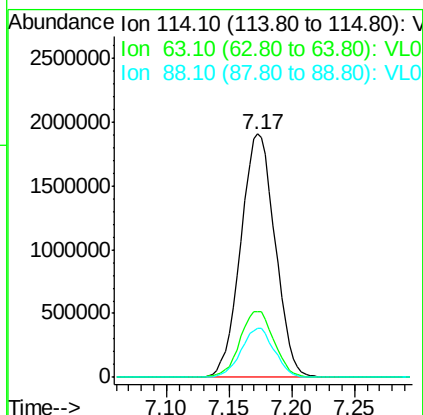
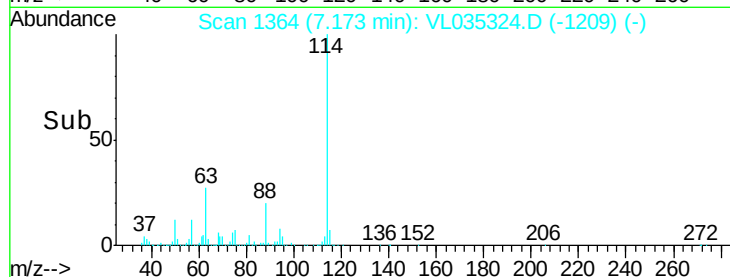
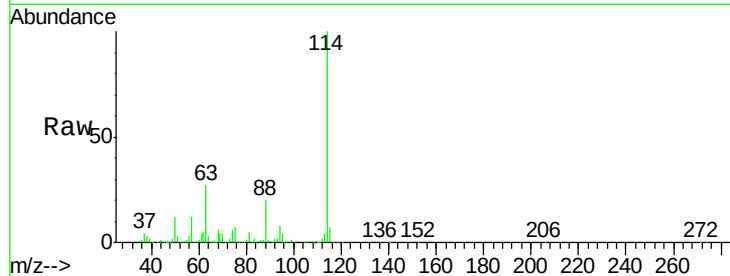
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.5	32.3
88	19.4	15.3	22.9

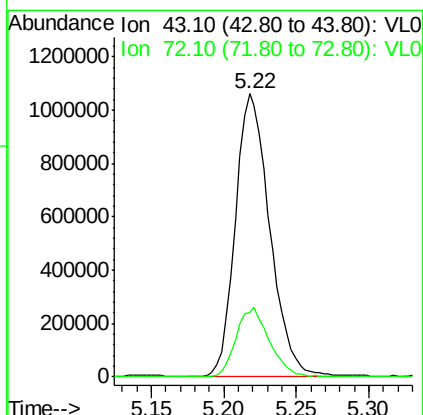
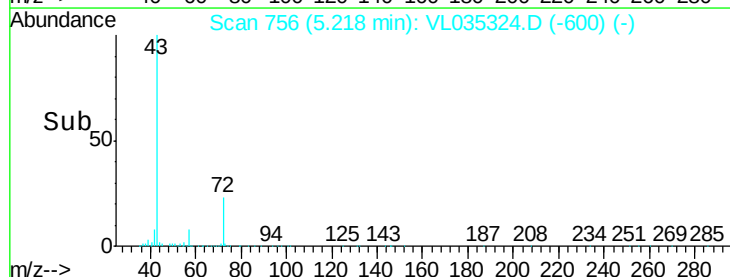
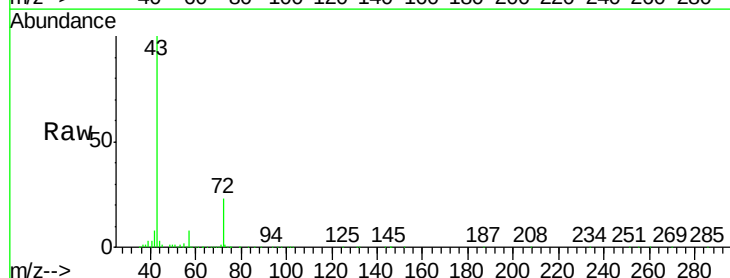
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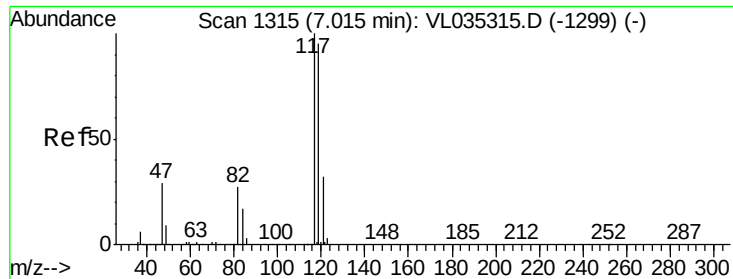
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#34
 2-Butanone
 Concen: 9.098 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.5	19.2	28.8





#35

Carbon Tetrachloride

Concen: 9.353 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

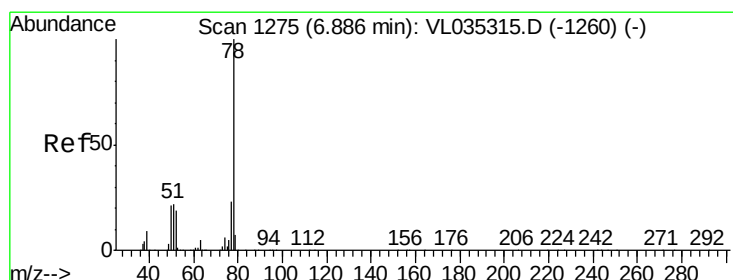
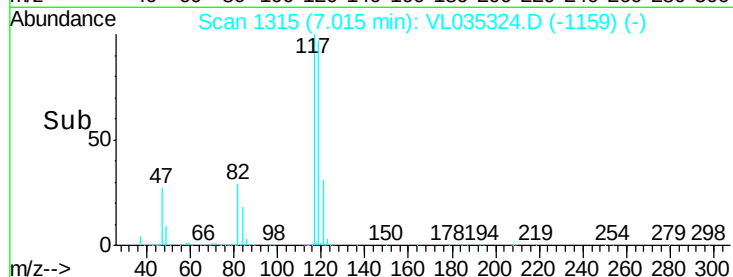
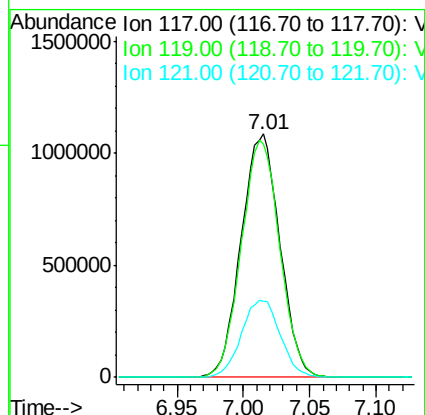
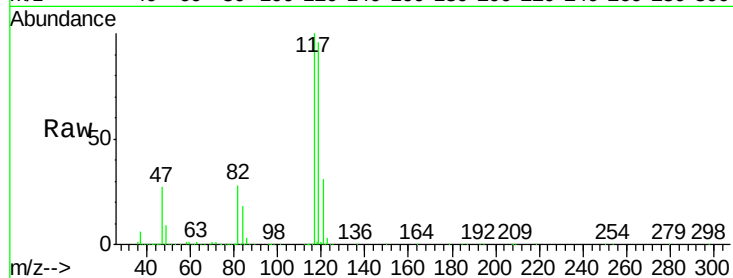
ClientSampled :

VL0803ABS01

Tot Ion:	117	Resp:	2204128
Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.1	114.1
121	31.0	25.6	38.4

Manual Integrations
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#36

Benzene

Concen: 9.512 ppbv

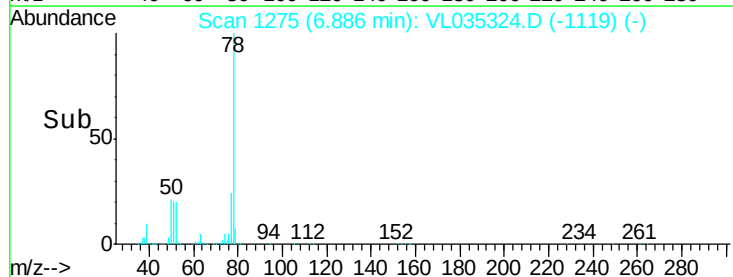
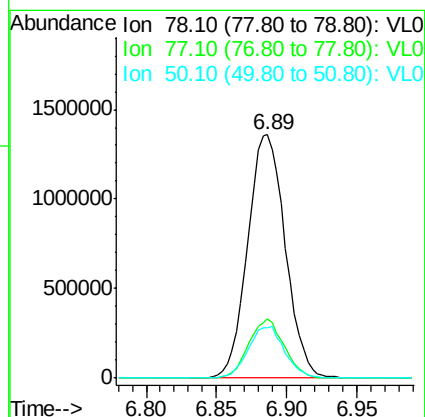
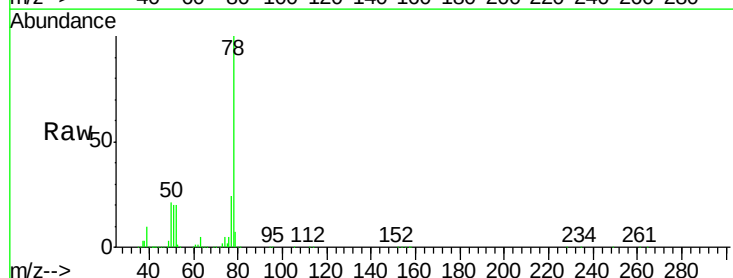
RT: 6.89 min Scan# 1275

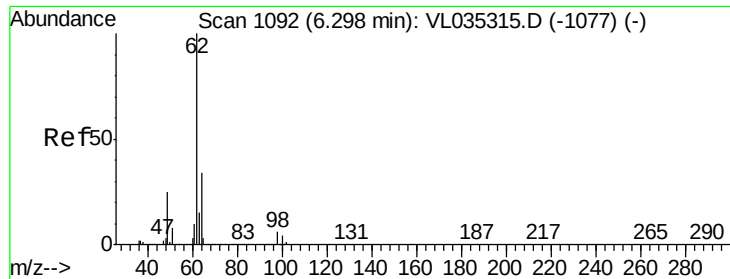
Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion:	78	Resp:	2541393
Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.4	27.6
50	20.6	16.6	25.0





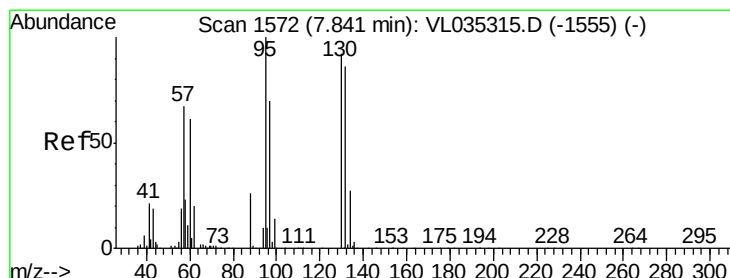
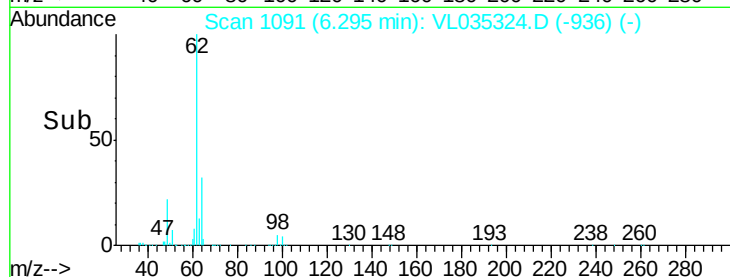
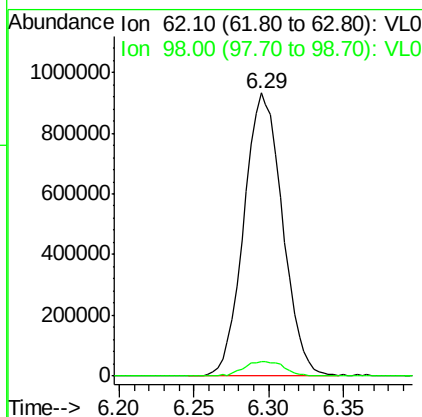
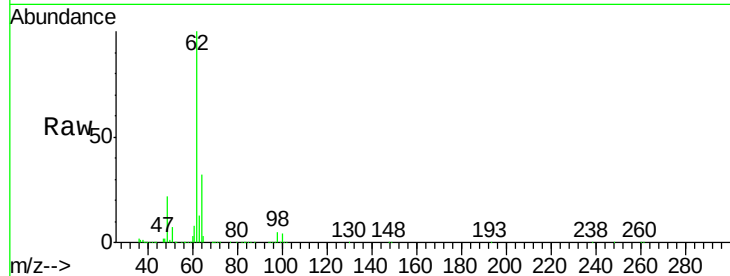
#37
 1,2-Dichloroethane
 Concen: 9.263 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.6	7.0

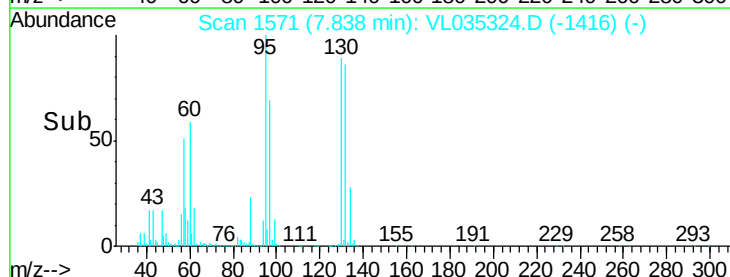
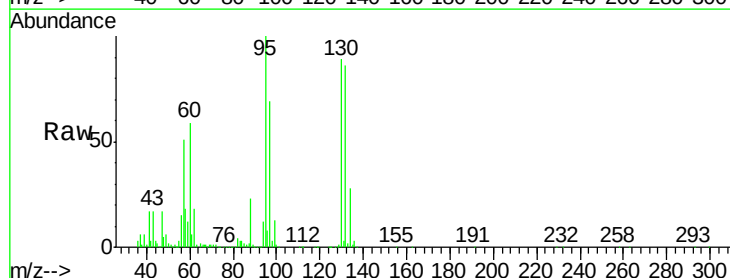
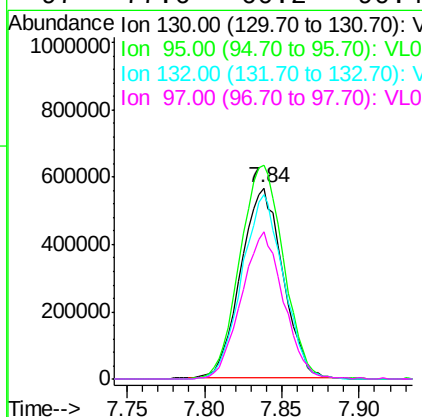
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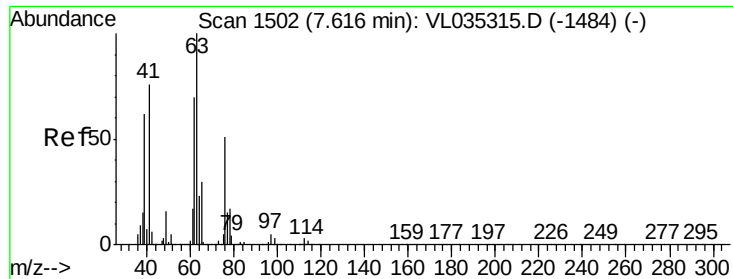
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#38
 Trichloroethene
 Concen: 10.886 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.2	86.3	129.5
132	97.0	74.2	111.2
97	77.6	60.2	90.4





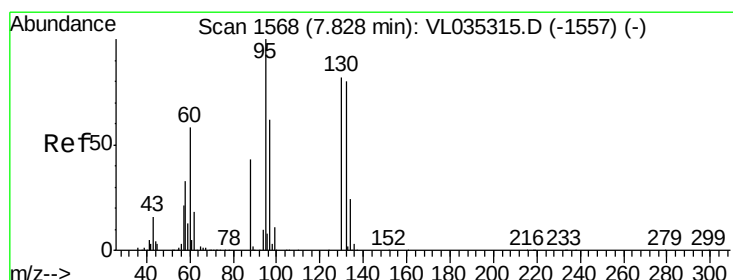
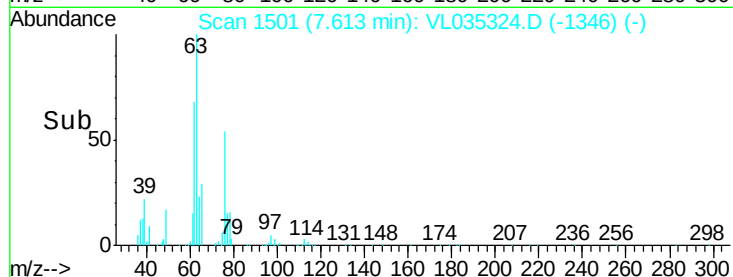
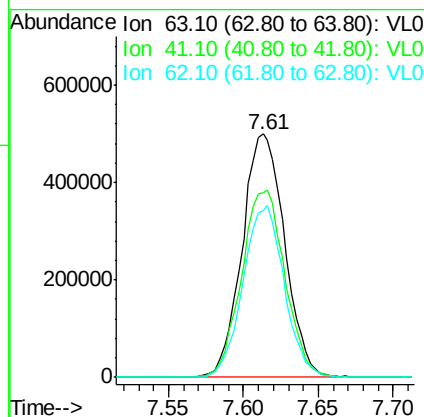
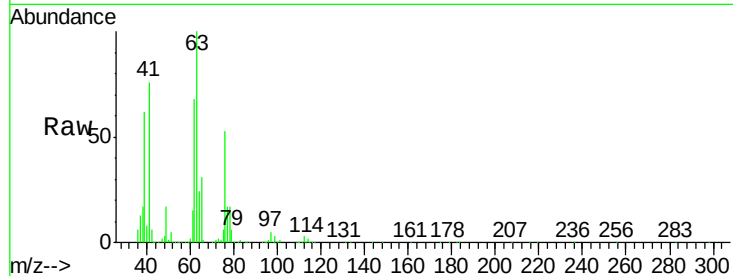
#39
 1,2-Dichloropropane
 Concen: 9.375 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	75.9	61.0	91.4
62	68.2	55.8	83.8

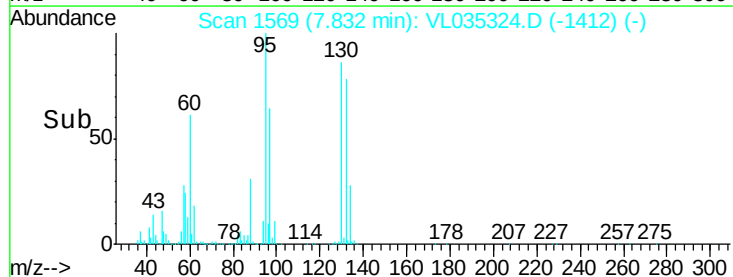
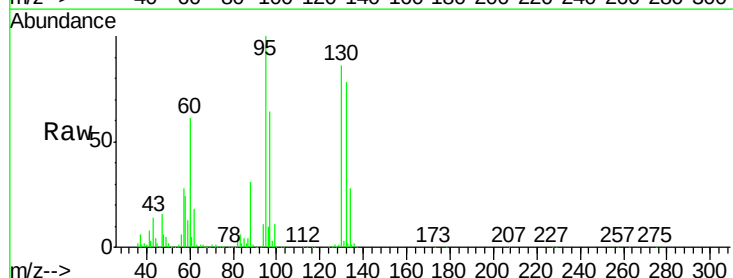
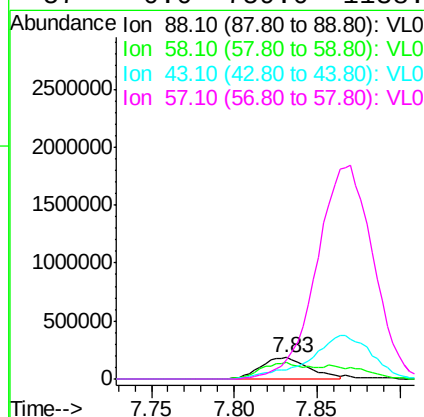
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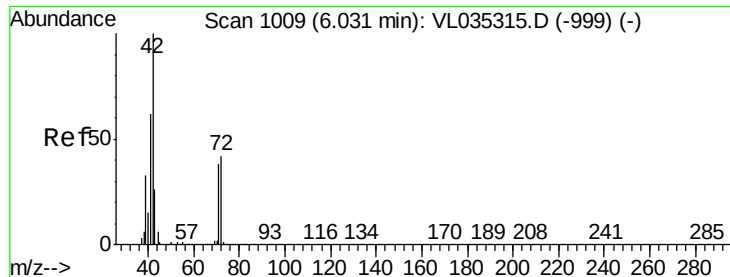
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#40
 1,4-Dioxane
 Concen: 8.101 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
88	100		
58	135.2	95.4	143.2
43	0.0	172.7	259.1#
57	0.0	759.0	1138.4#





#41

Tetrahydrofuran

Concen: 9.781 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

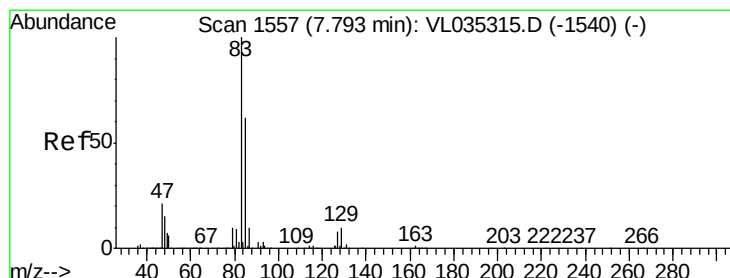
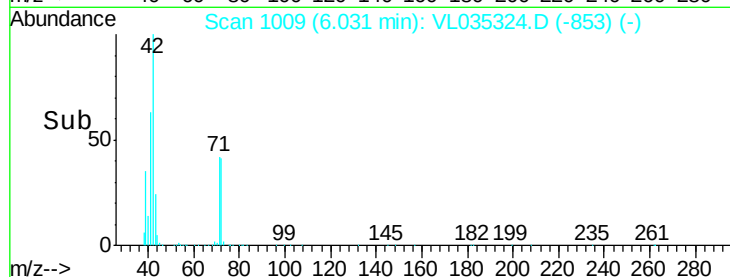
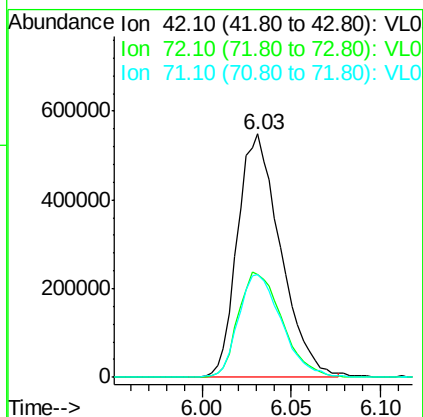
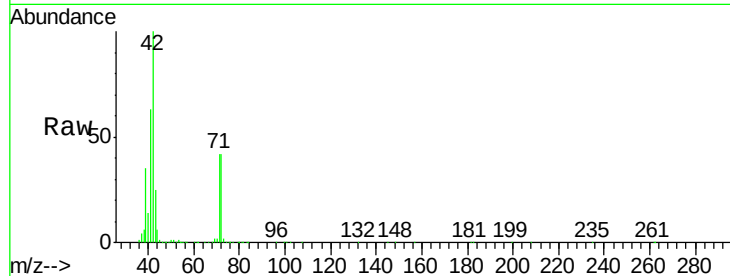
ClientSampleId :

VL0803ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	33.8	50.8
71	42.6	32.7	49.1

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#42

Bromodichloromethane

Concen: 9.225 ppbv

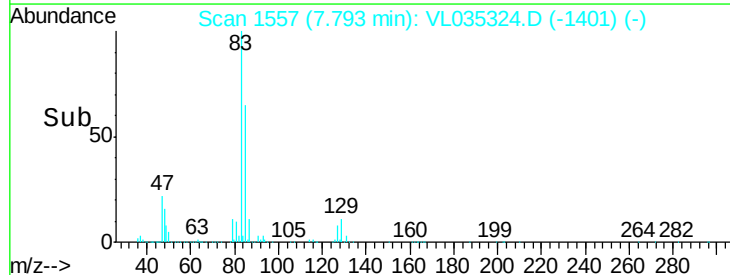
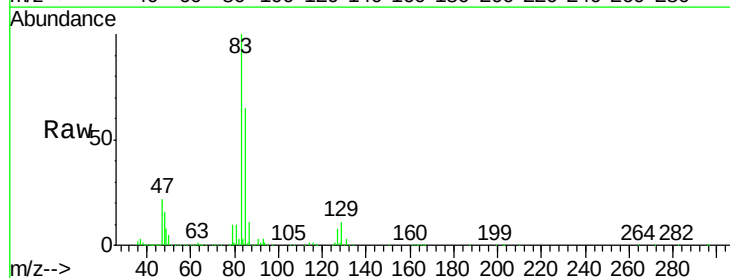
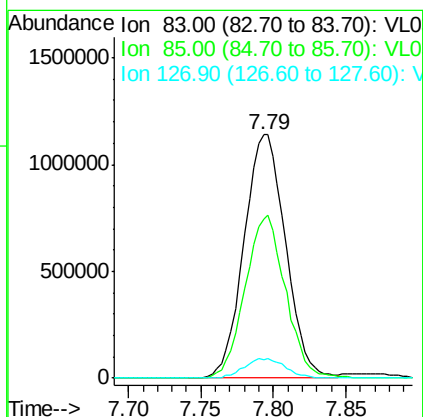
RT: 7.79 min Scan# 1557

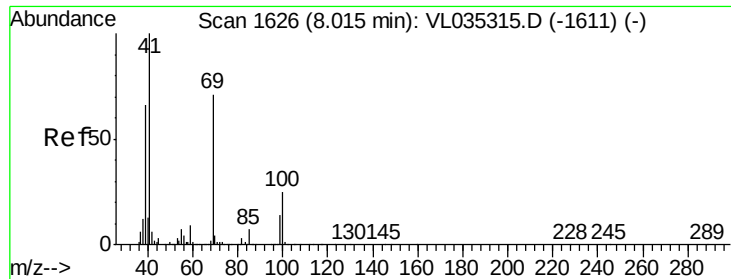
Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	49.9	74.9
127	7.8	6.6	10.0





#43

Methyl Methacrylate

Concen: 10.322 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

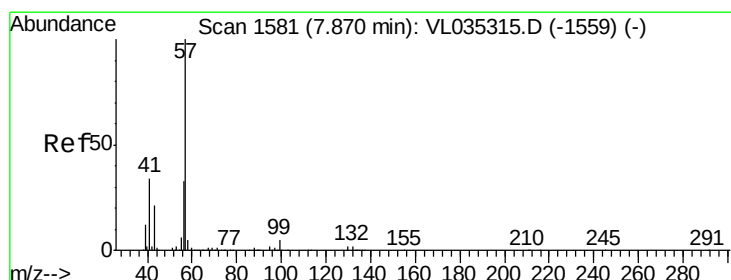
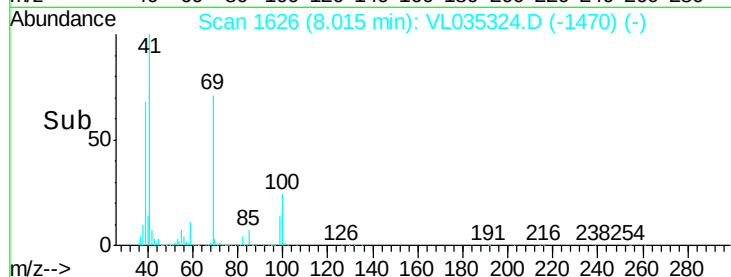
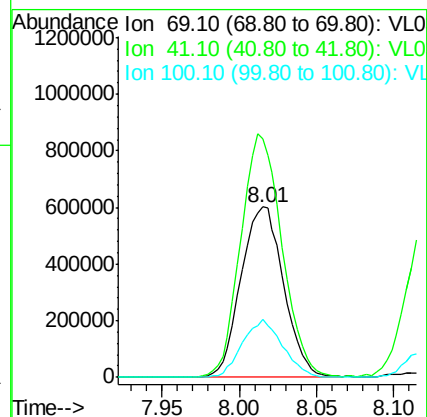
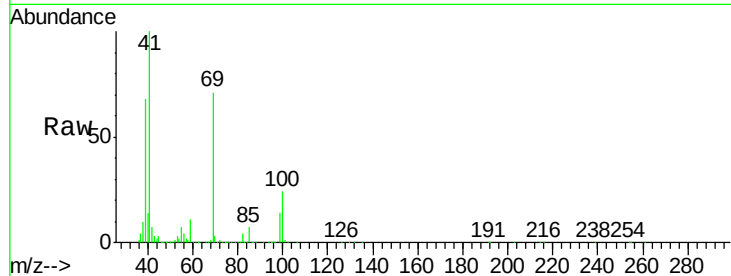
Instrument :
MSVOA_L

ClientSampleId :
VL0803ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	138.5	110.9	166.3	
100	32.3	26.0	39.0	

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#44

2,2,4-Trimethylpentane

Concen: 9.483 ppbv

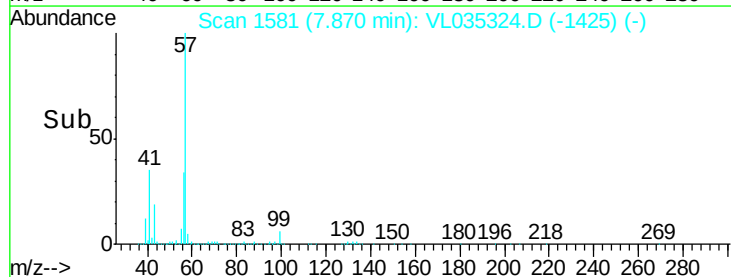
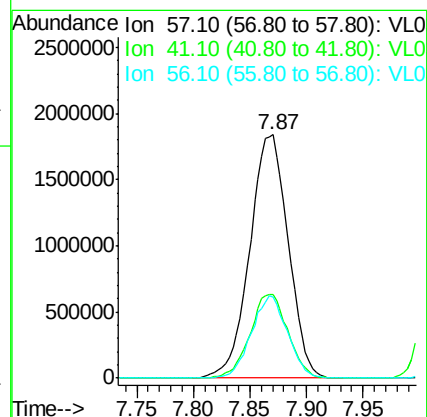
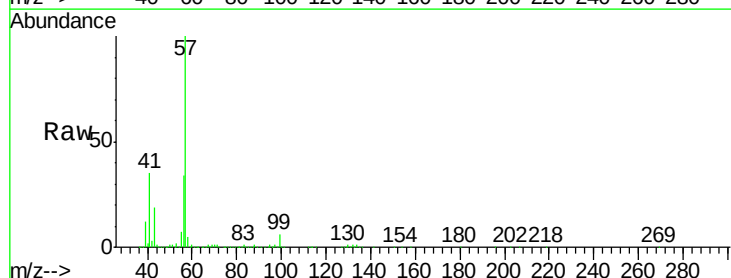
RT: 7.87 min Scan# 1581

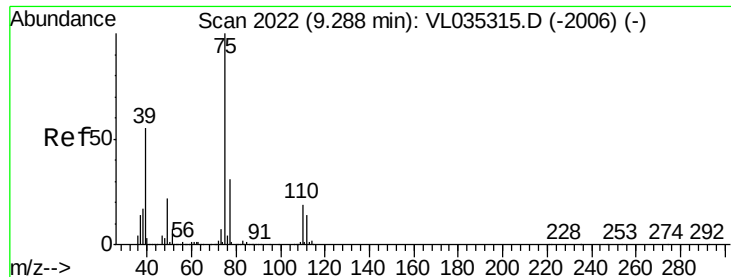
Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.9	26.7	40.1	
56	31.8	25.4	38.0	





#45

t-1,3-Dichloropropene

Concen: 11.027 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion: 75 Resp: 1313899

Ion Ratio Lower Upper

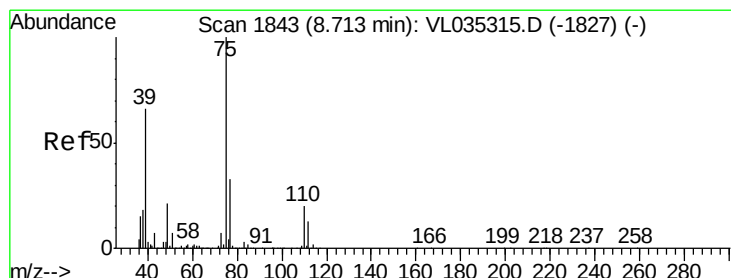
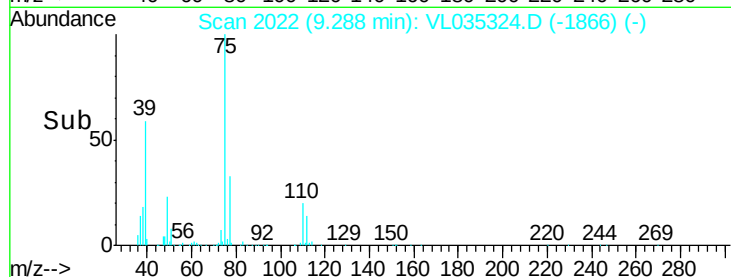
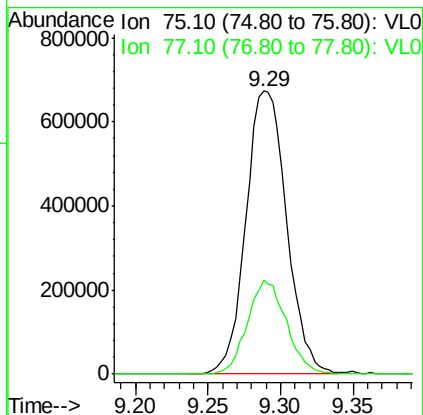
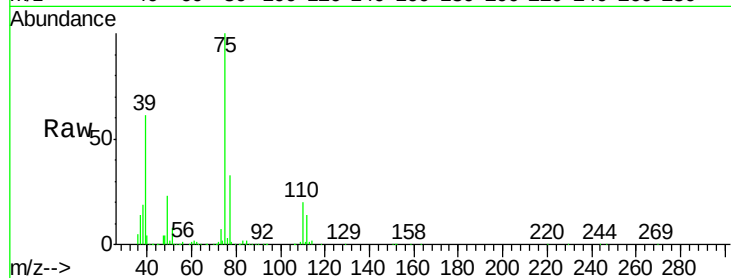
75 100

77 33.0 24.6 37.0

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#46

cis-1,3-Dichloropropene

Concen: 10.784 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

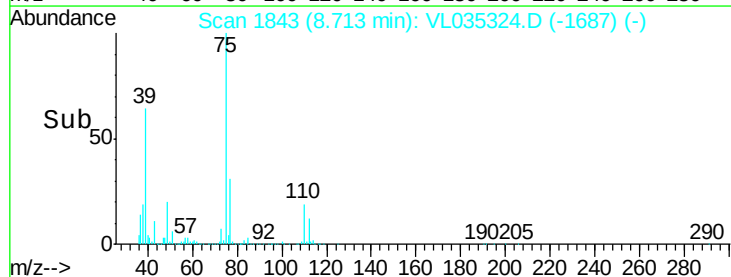
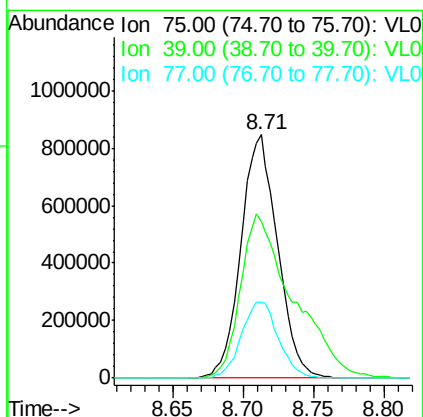
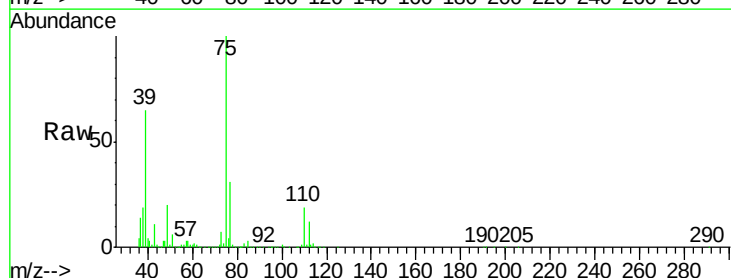
Tgt Ion: 75 Resp: 1538370

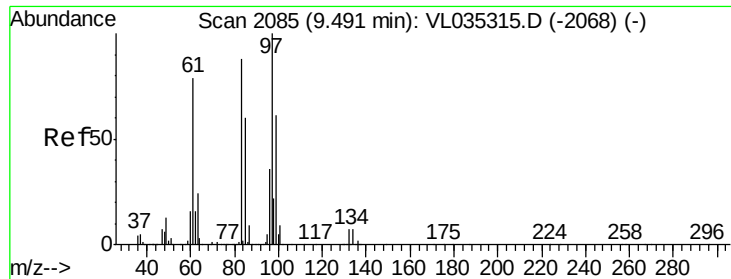
Ion Ratio Lower Upper

75 100

39 64.5 52.6 79.0

77 31.3 26.5 39.7





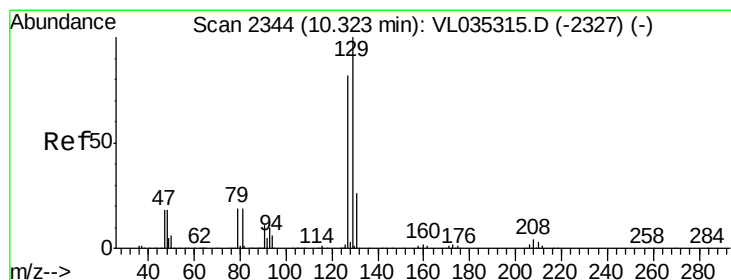
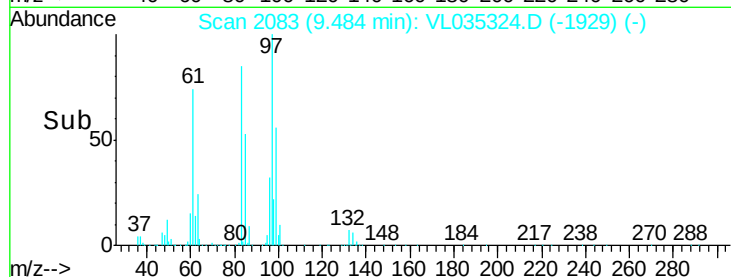
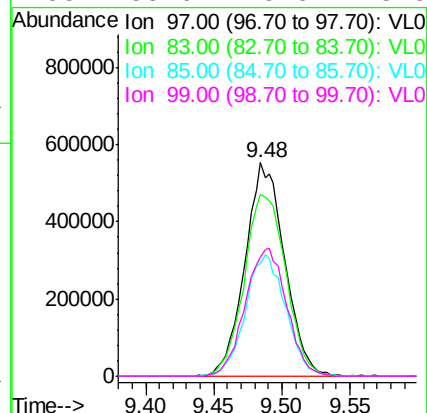
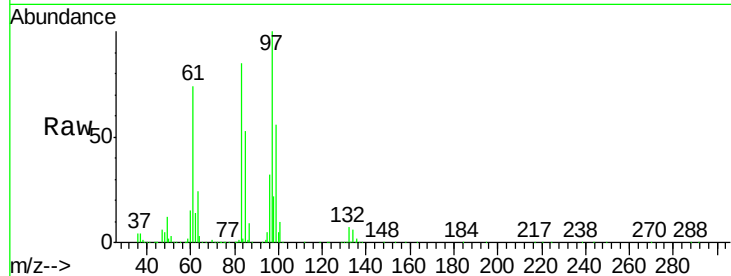
#47
 1,1,2-Trichloroethane
 Concen: 9.163 ppbv m
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.2	70.6	105.8	
85	52.8	47.8	71.8	
99	55.6	49.0	73.6	

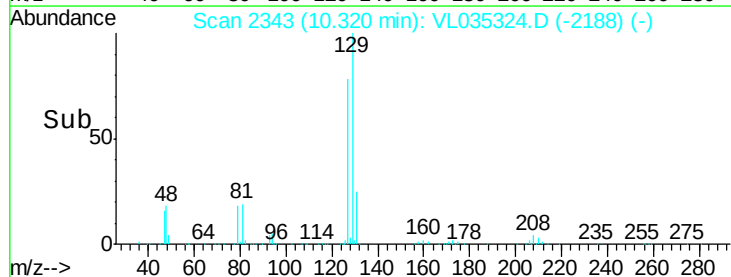
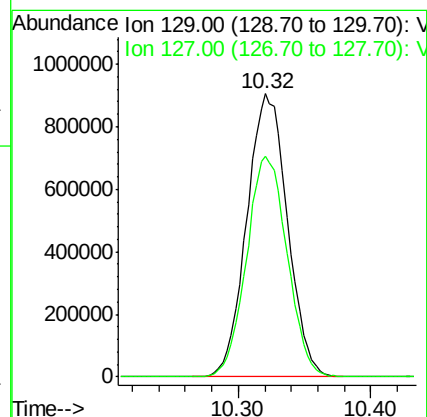
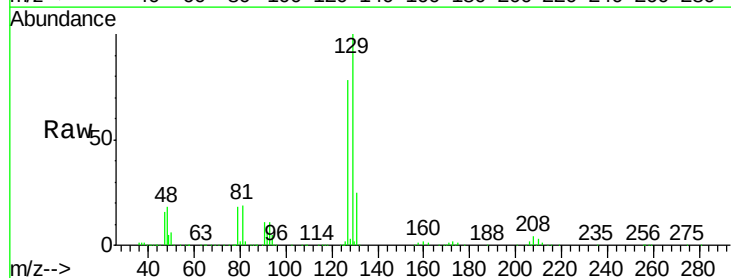
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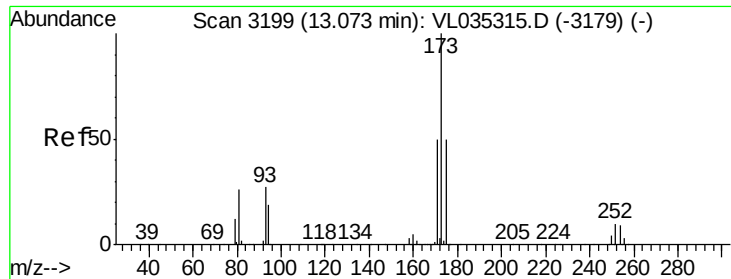
apatel
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#48
 Dibromochloromethane
 Concen: 9.698 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.1	39.0	117.0	





#49

Bromoform

Concen: 10.153 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion:173 Resp: 1758456

Ion Ratio Lower Upper

173 100

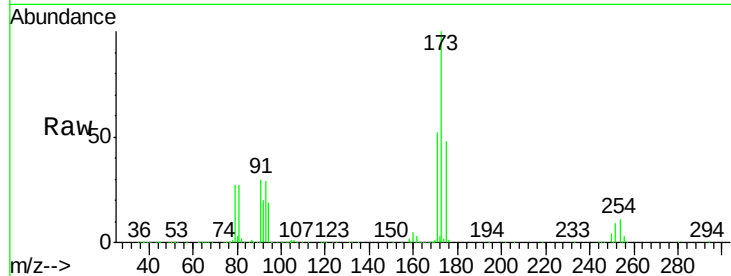
175 49.1 39.8 59.6

171 52.8 42.0 63.0

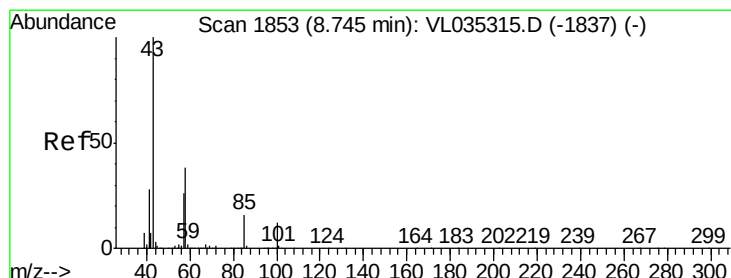
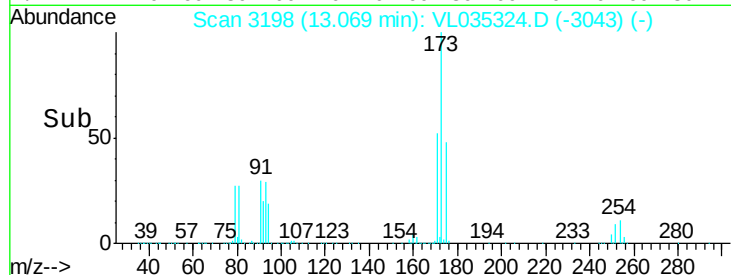
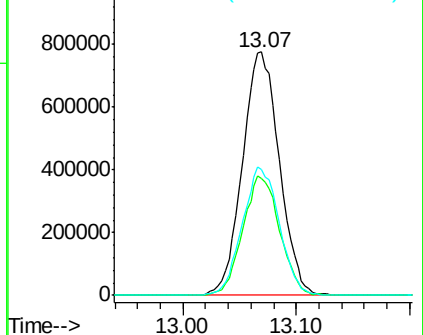
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.794 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VL035324.D

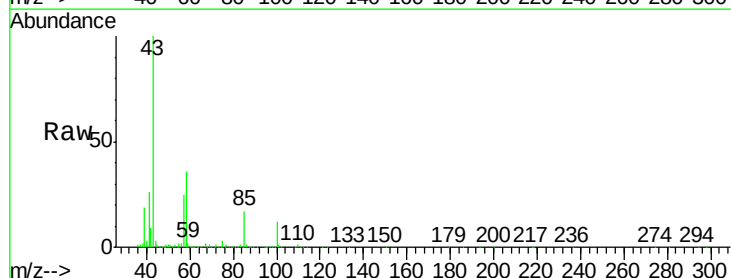
Acq: 3 Aug 2020 21:06

Tgt Ion: 43 Resp: 2654021

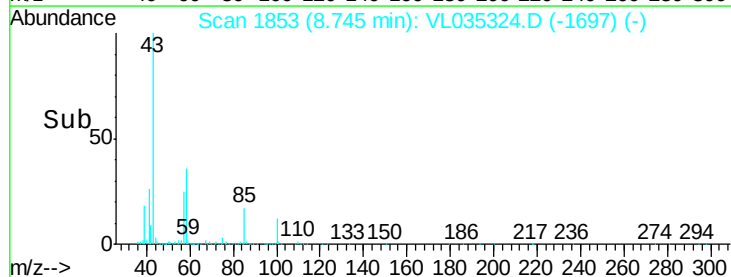
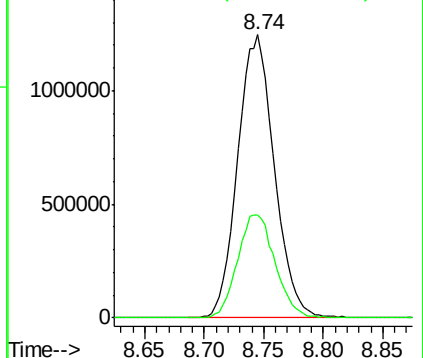
Ion Ratio Lower Upper

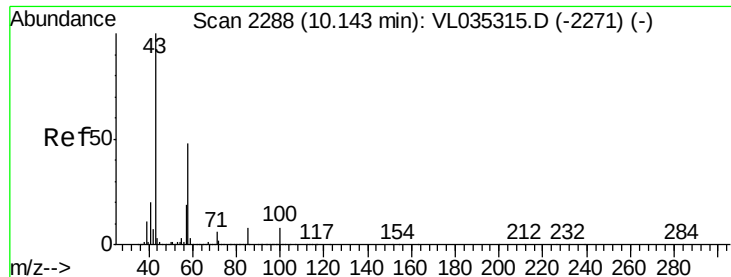
43 100

58 37.5 29.8 44.6



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





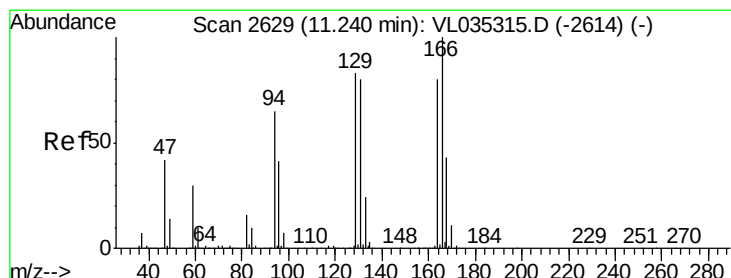
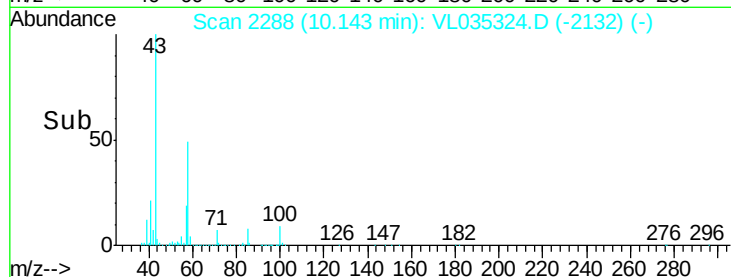
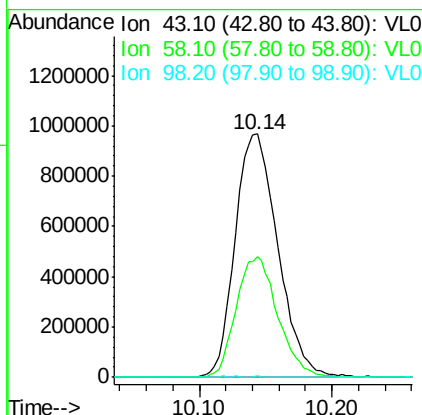
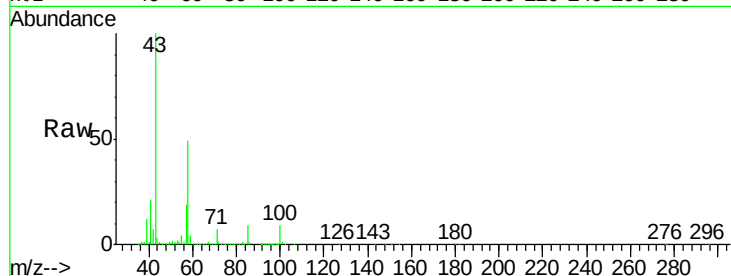
#51
2-Hexanone
Concen: 10.310 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

Tot Ion: 43 Resp: 2161679
Ion Ratio Lower Upper
43 100
58 48.4 39.8 59.6
98 0.3 0.3 0.5

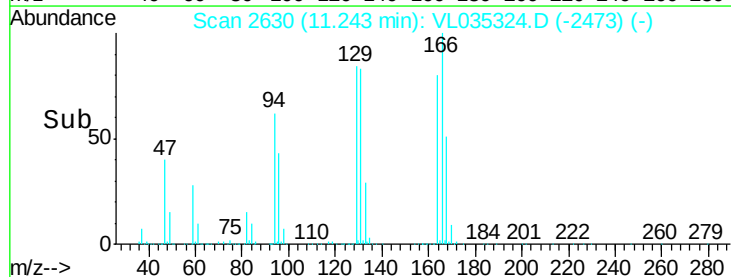
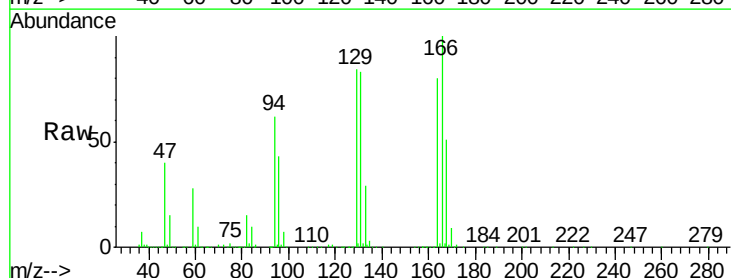
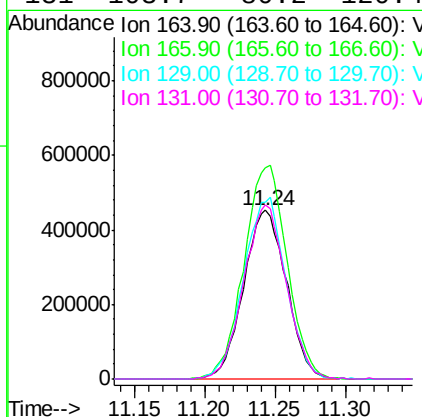
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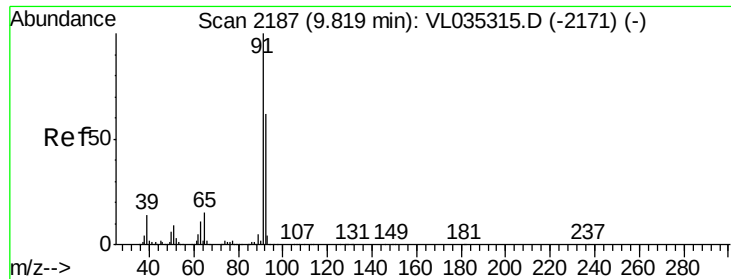
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#52
Tetrachloroethene
Concen: 10.239 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion:164 Resp: 963695
Ion Ratio Lower Upper
164 100
166 125.4 100.2 150.2
129 105.0 82.7 124.1
131 103.7 80.2 120.4





#53

Toluene

Concen: 10.687 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion: 91 Resp: 3002533

Ion Ratio Lower Upper

91 100

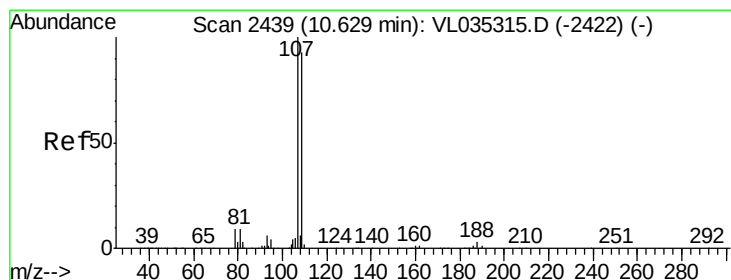
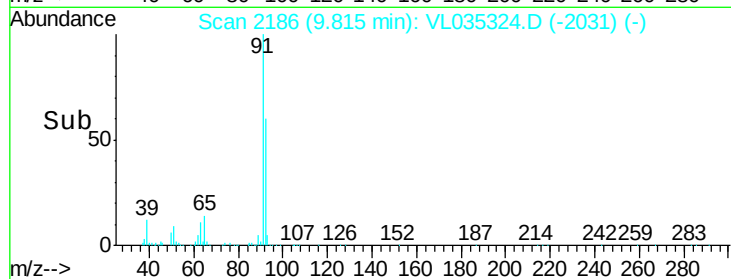
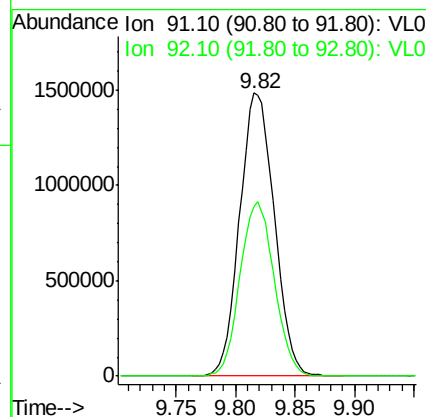
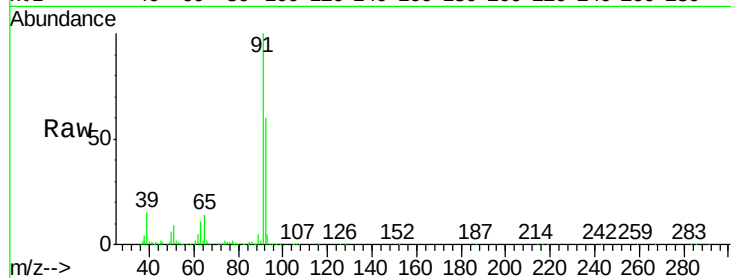
92 60.8 48.7 73.1

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#54

1,2-Dibromoethane

Concen: 9.535 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL035324.D

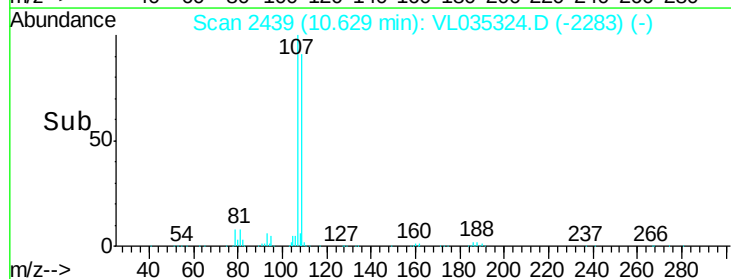
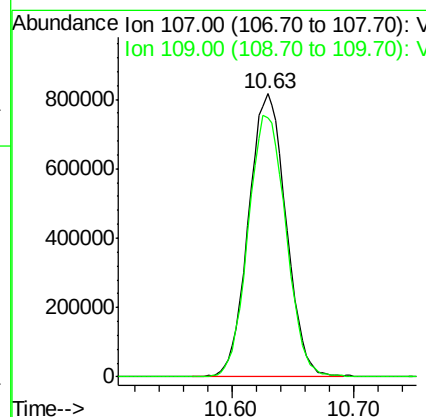
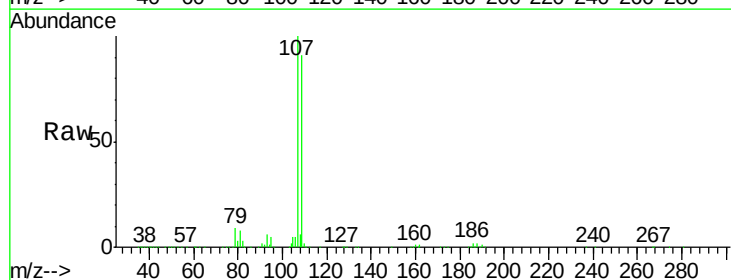
Acq: 3 Aug 2020 21:06

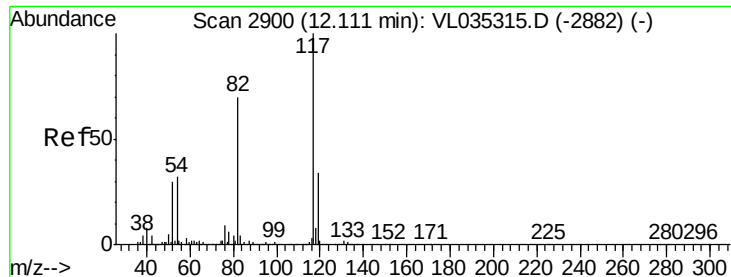
Tgt Ion: 107 Resp: 1724906

Ion Ratio Lower Upper

107 100

109 91.4 74.4 111.6





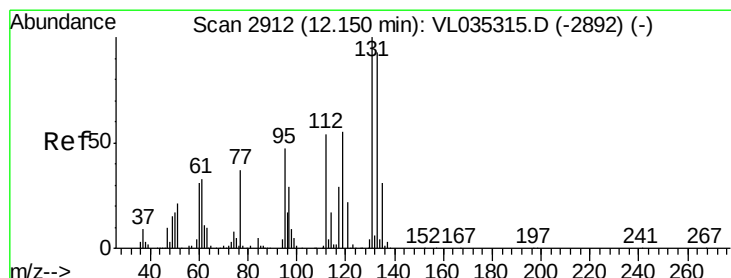
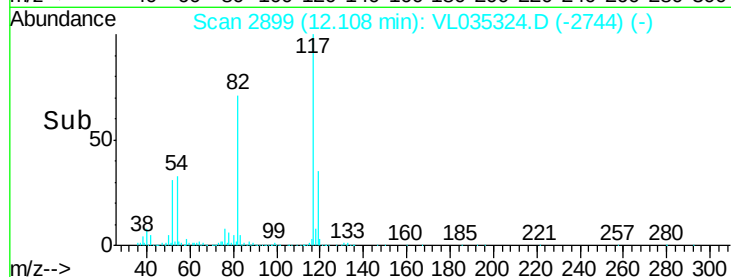
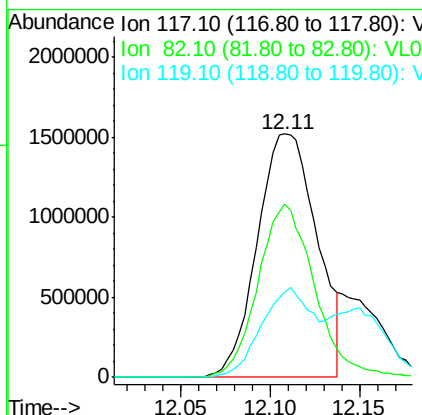
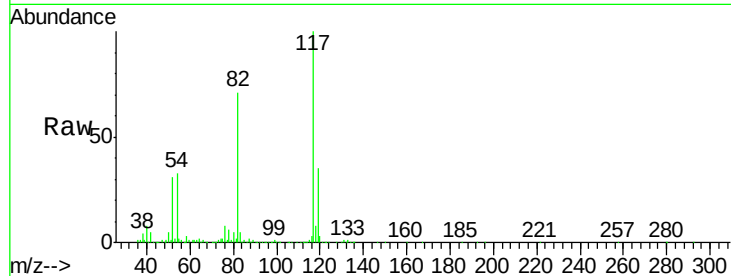
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

Tot Ion:117 Resp: 3509635
Ion Ratio Lower Upper
117 100
82 67.9 50.6 76.0
119 31.2 24.1 36.1

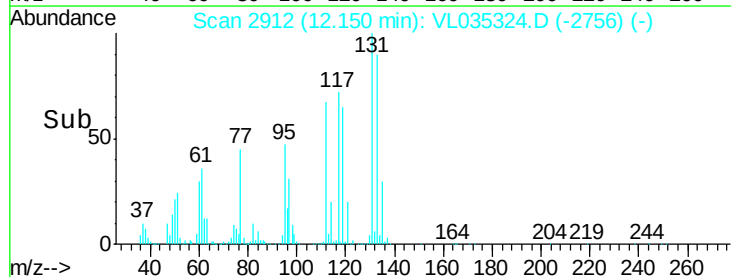
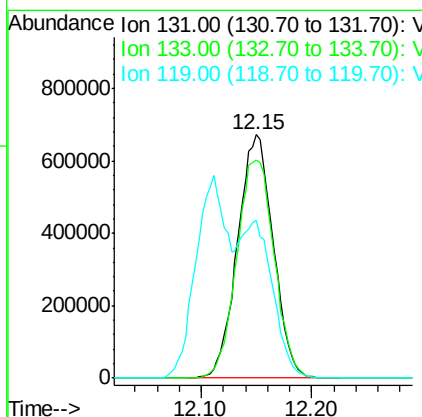
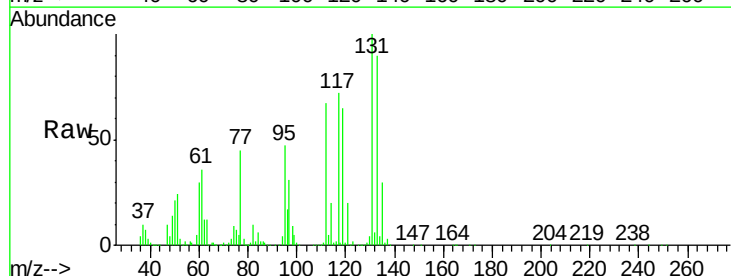
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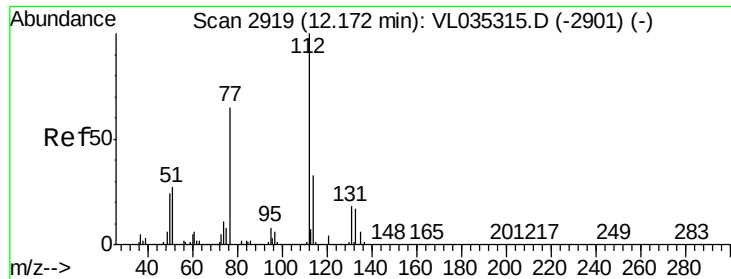
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.130 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion:131 Resp: 1503809
Ion Ratio Lower Upper
131 100
133 94.5 75.5 113.3
119 59.6 53.1 79.7





#57

Chlorobenzene

Concen: 9.004 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

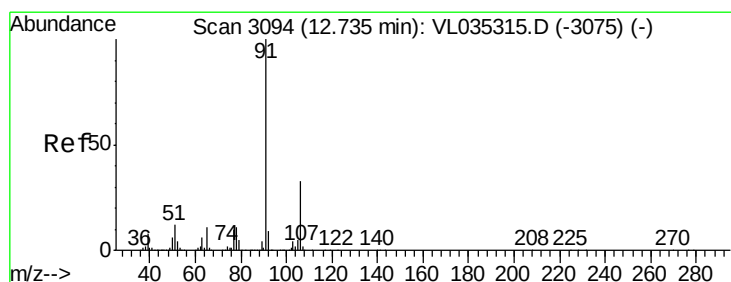
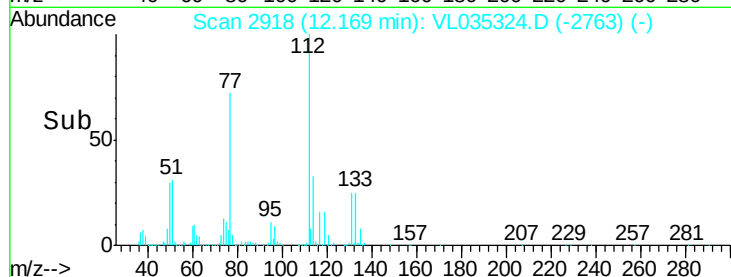
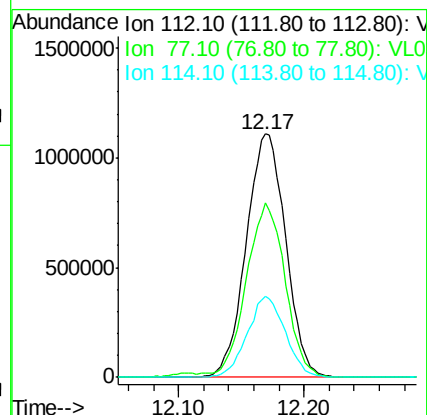
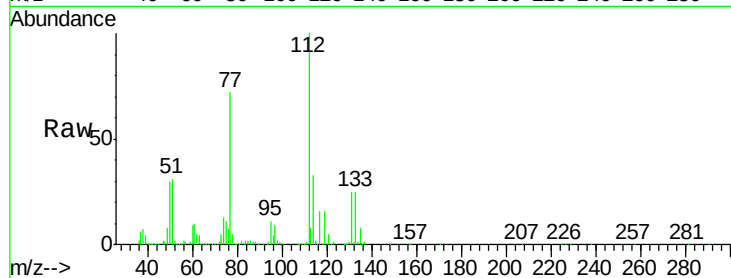
ClientSampleId :

VL0803ABS01

Tot Ion:	112	Resp:	2418542
Ion	Ratio	Lower	Upper
112	100		
77	71.5	53.0	79.6
114	33.1	30.0	36.6

Manual Integrations
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#58

Ethyl Benzene

Concen: 10.599 ppbv

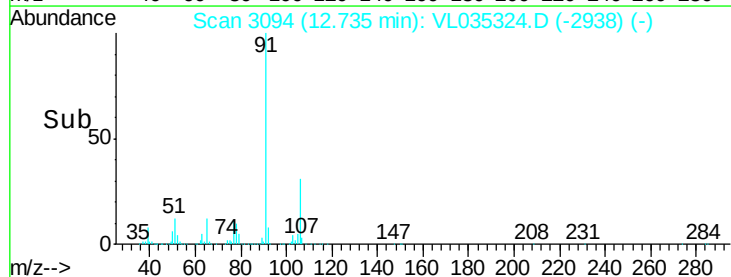
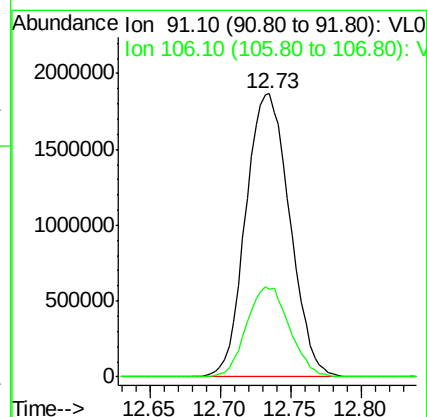
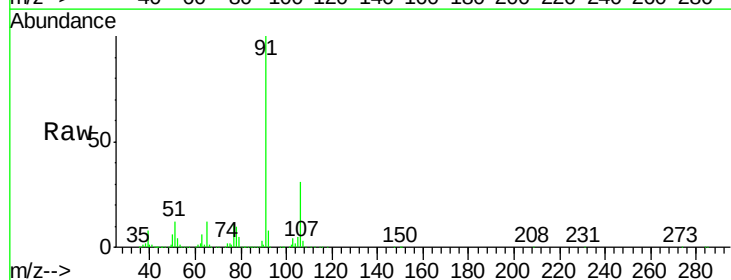
RT: 12.73 min Scan# 3094

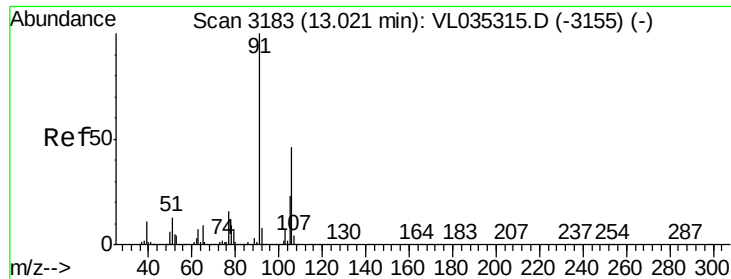
Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion:	91	Resp:	4075705
Ion	Ratio	Lower	Upper
91	100		
106	31.1	26.3	39.5





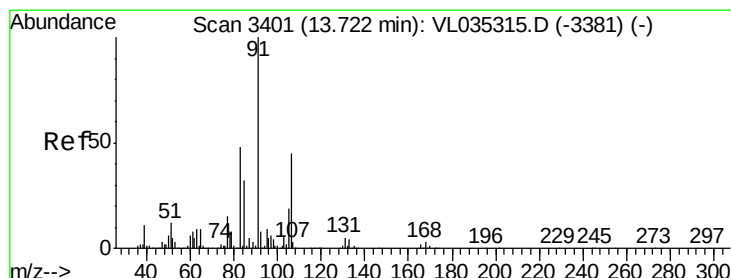
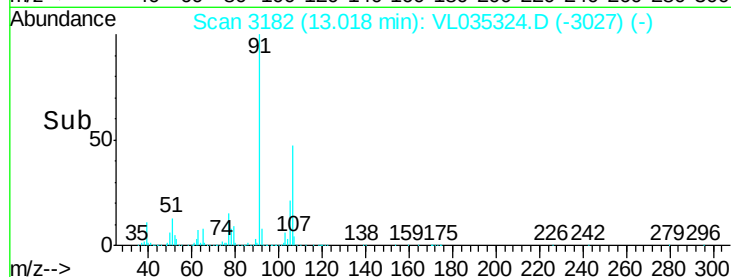
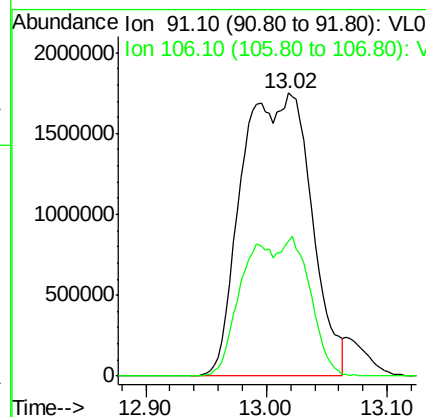
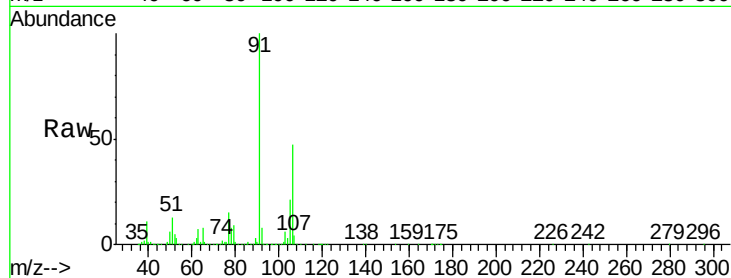
#59
m/p-Xylene
Concen: 19.641 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

Tot Ion: 91 Resp: 6968785
Ion Ratio Lower Upper
91 100
106 46.2 36.6 55.0

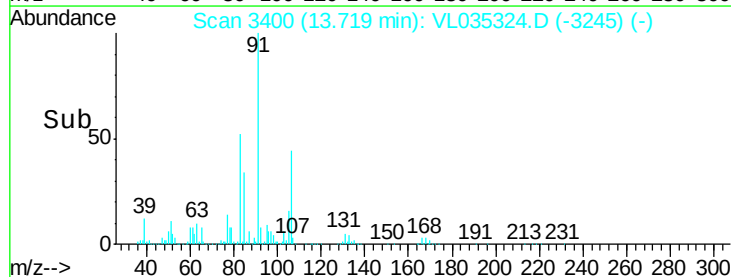
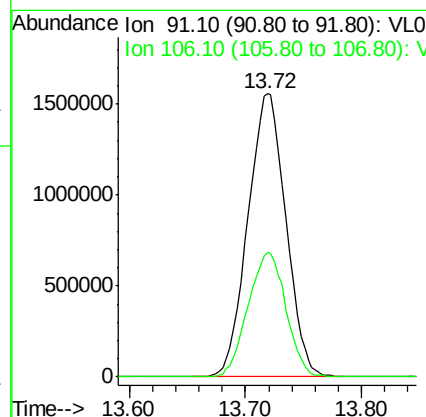
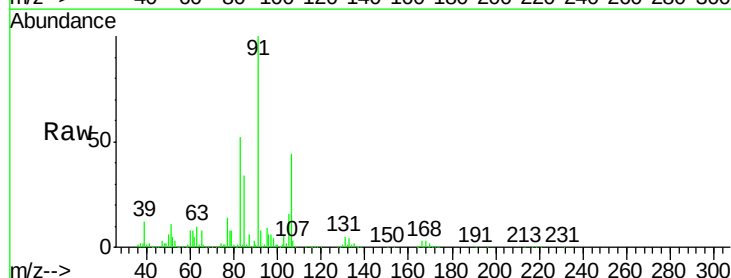
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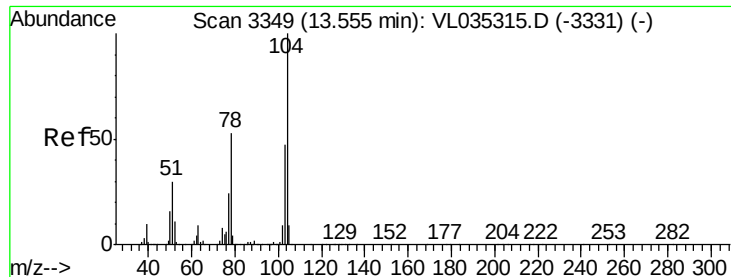
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#60
o-Xylene
Concen: 10.088 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion: 91 Resp: 3538570
Ion Ratio Lower Upper
91 100
106 44.0 22.4 67.3





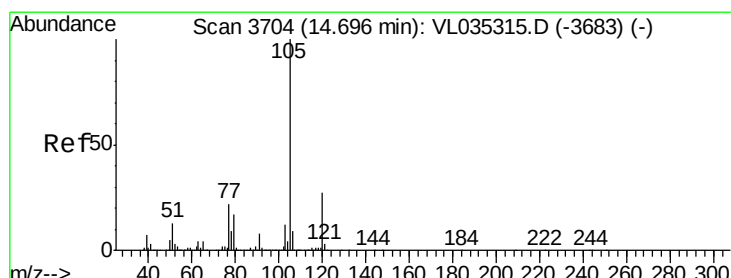
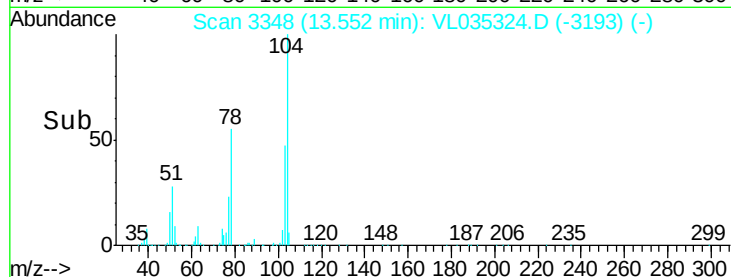
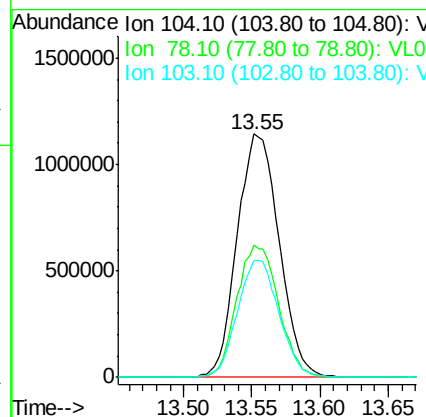
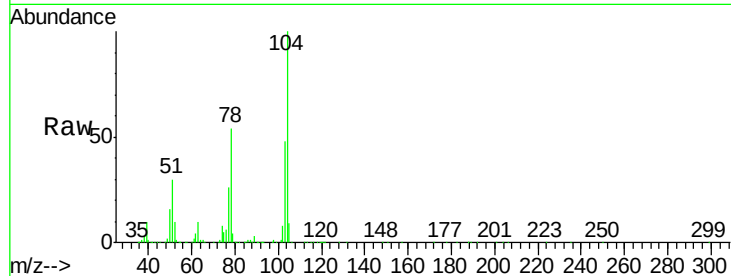
#61
Stvrene
Concen: 11.280 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.6	43.1	64.7
103	47.7	37.6	56.4

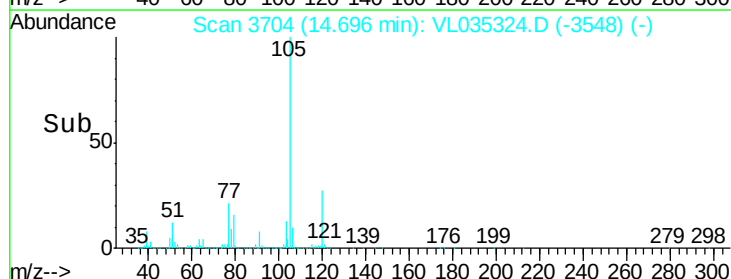
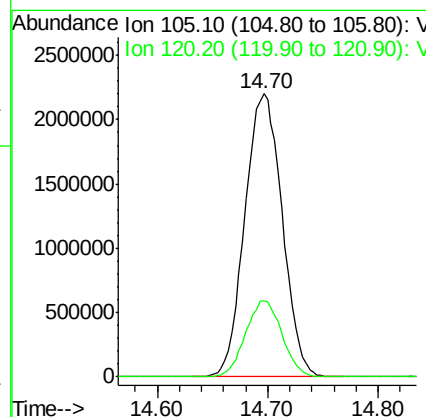
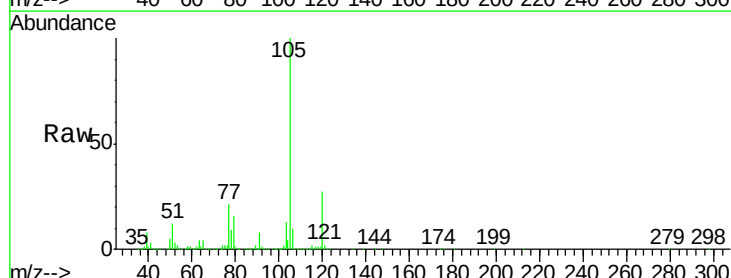
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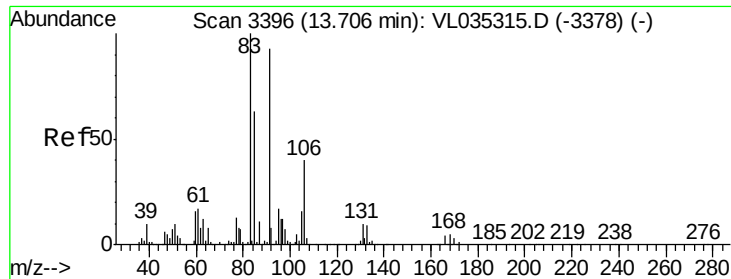
apatel
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#62
Isopropylbenzene
Concen: 9.756 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.0	31.4





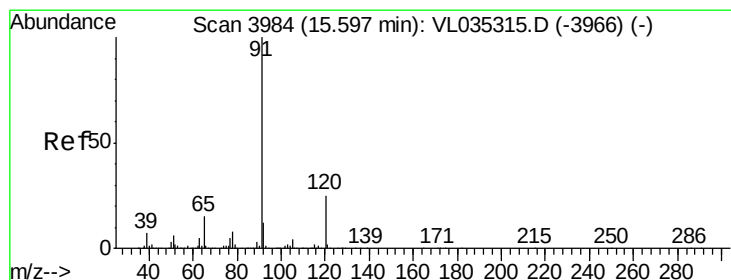
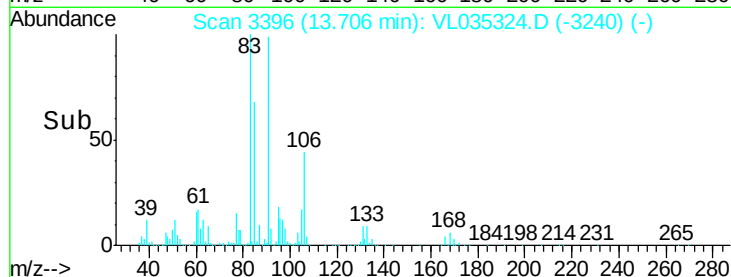
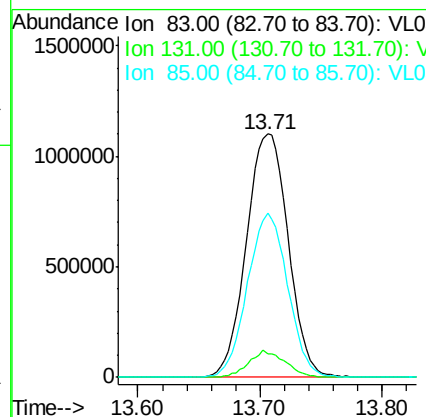
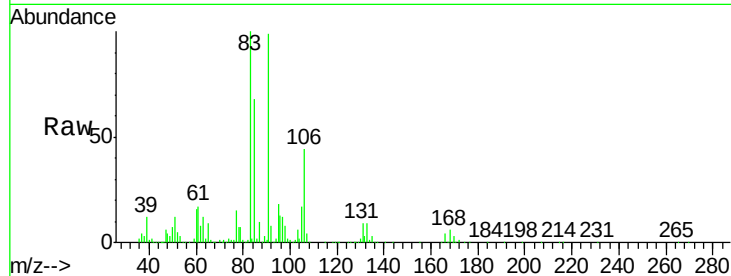
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.494 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.6	13.8
85	65.0	32.6	97.7

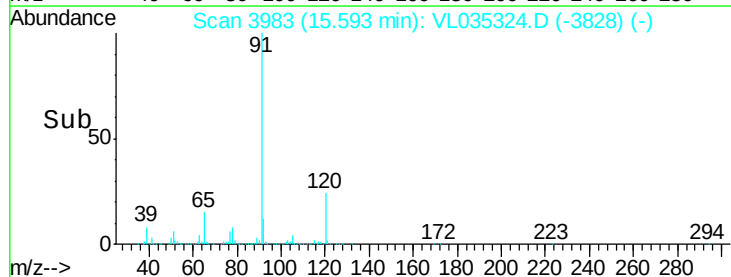
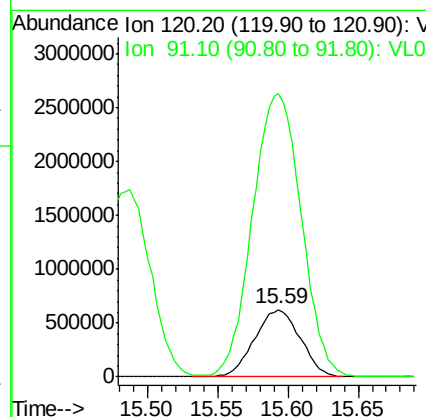
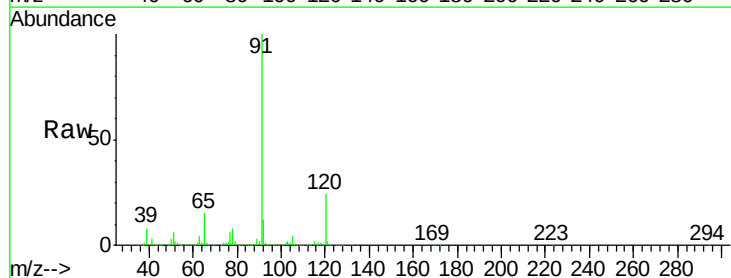
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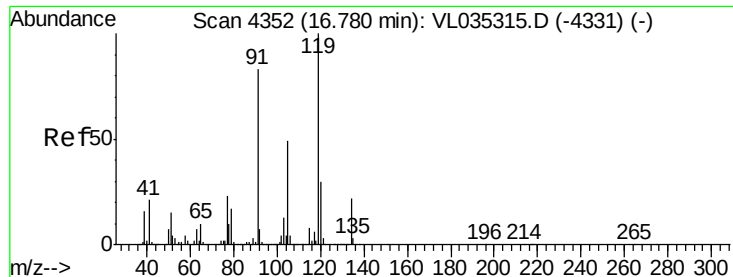
apatel
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#64
 n-propylbenzene
 Concen: 10.222 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
120	100		
91	449.0	359.3	538.9





#65

tert-Butylbenzene

Concen: 9.976 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion:119 Resp: 4727004

Ion Ratio Lower Upper

119 100

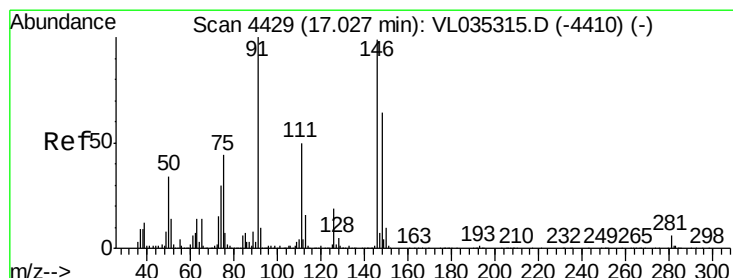
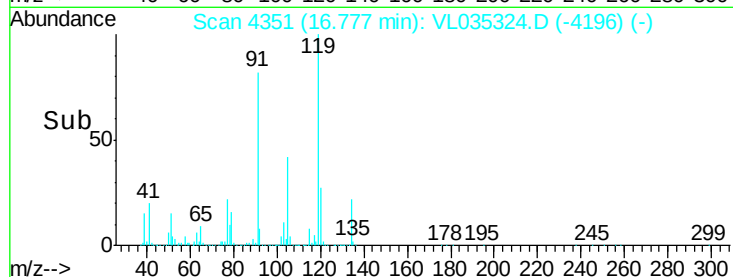
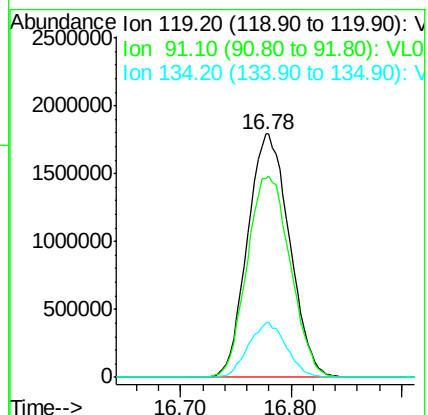
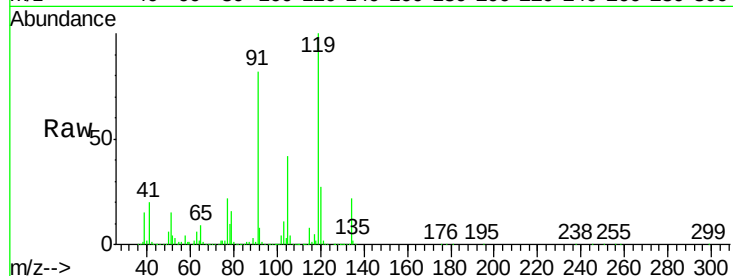
91 85.2 67.8 101.8

134 20.4 16.1 24.1

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#66

Benzyl Chloride

Concen: 10.332 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

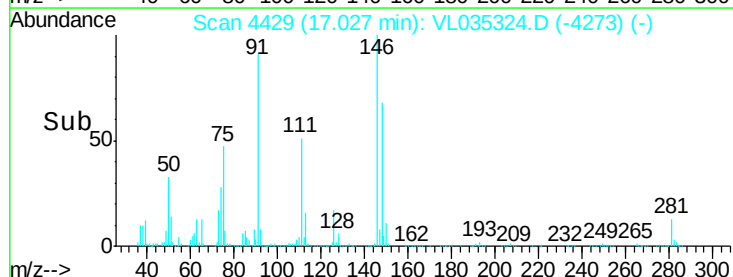
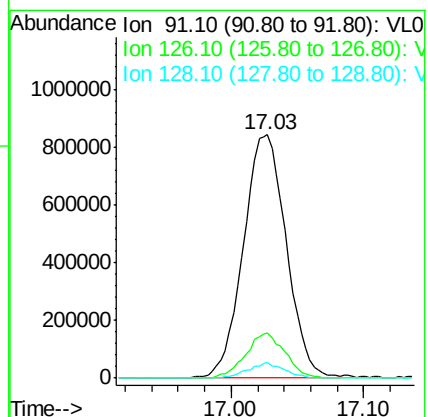
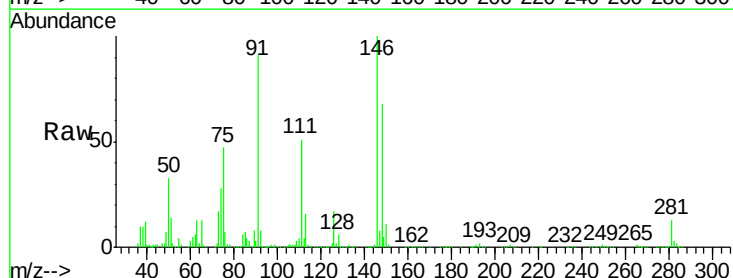
Tgt Ion: 91 Resp: 1892683

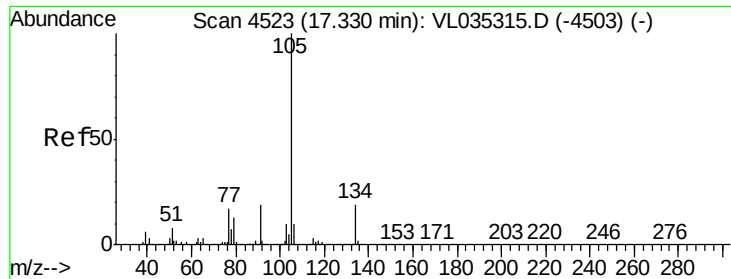
Ion Ratio Lower Upper

91 100

126 17.1 13.8 20.8

128 5.4 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.882 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion: 105 Resp: 6620307

Ion Ratio Lower Upper

105 100

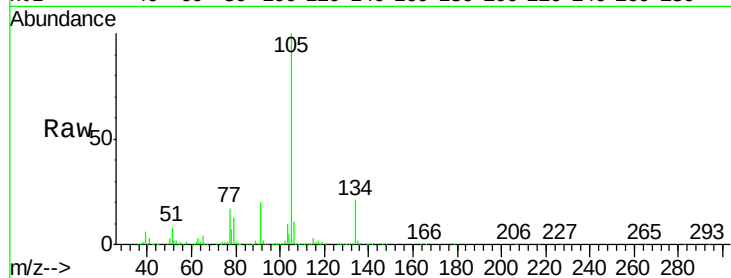
134 18.5 15.1 22.7

Manual Integrations

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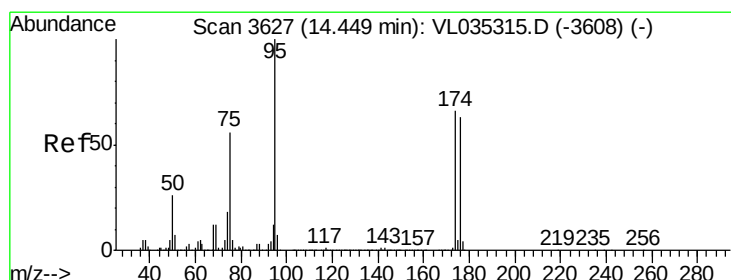
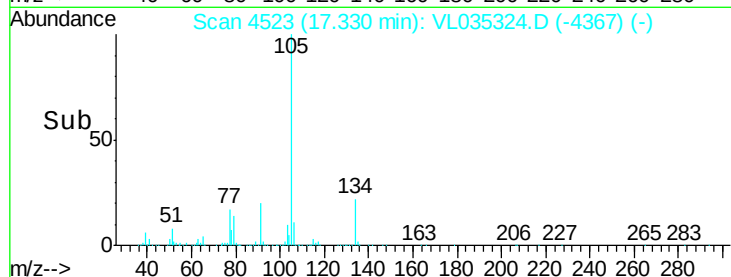
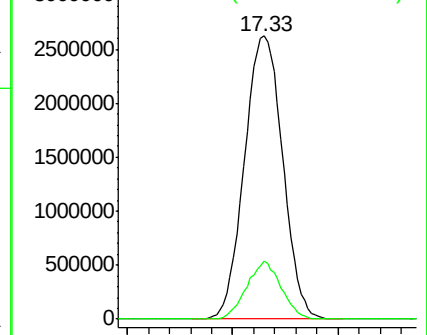
apatel

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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: 10.304 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

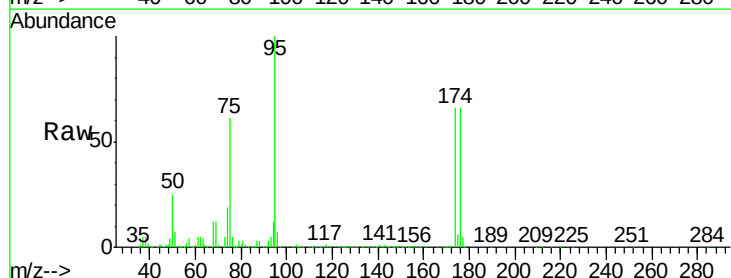
Tgt Ion: 95 Resp: 3029226

Ion Ratio Lower Upper

95 100

174 66.1 52.5 78.7

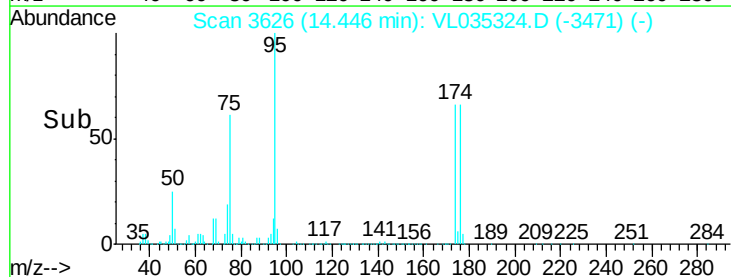
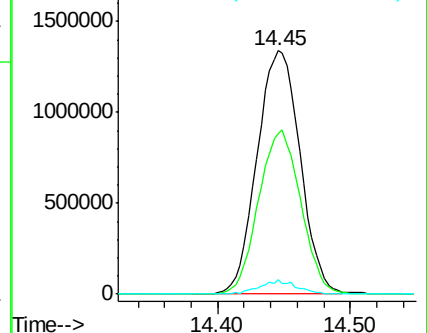
175 4.8 3.9 5.9

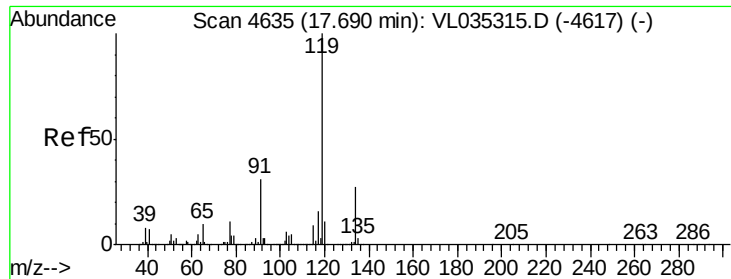


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





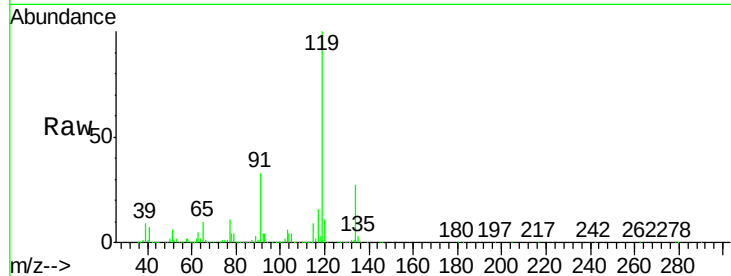
#69
 p-Isopropyltoluene
 Concen: 9.917 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.2	31.8
91	31.4	25.3	37.9

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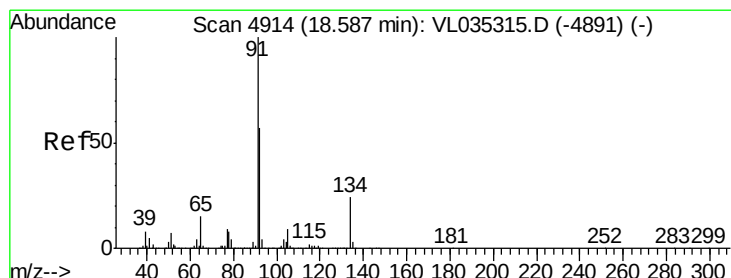
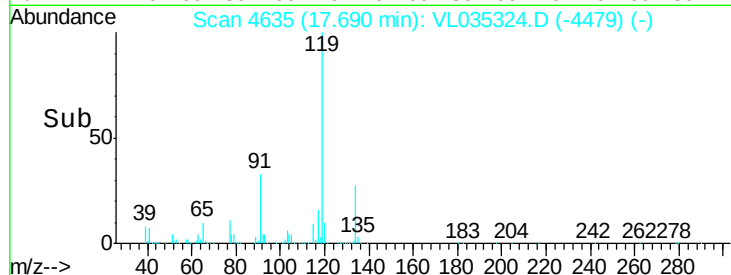
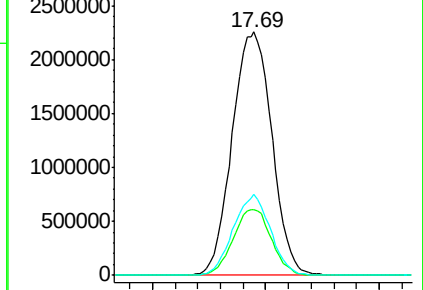


Abundance

Ion 119.10 (118.80 to 119.80): V

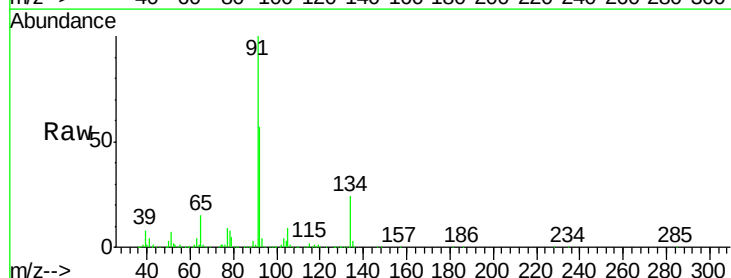
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0



#70
 n-Butylbenzene
 Concen: 9.604 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.6	66.8
134	23.4	18.6	27.8

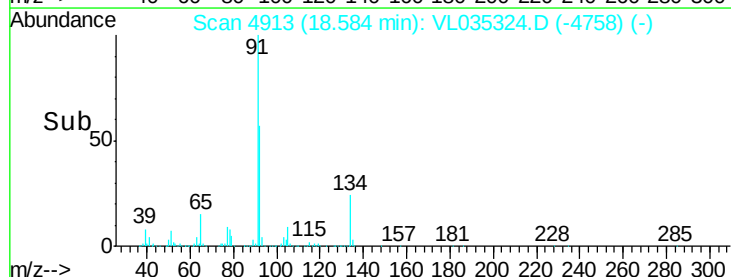
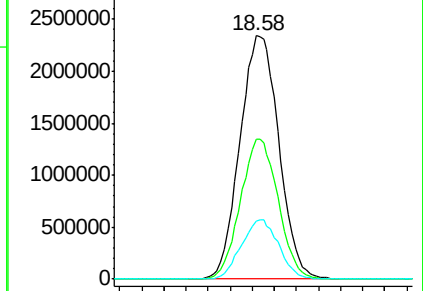


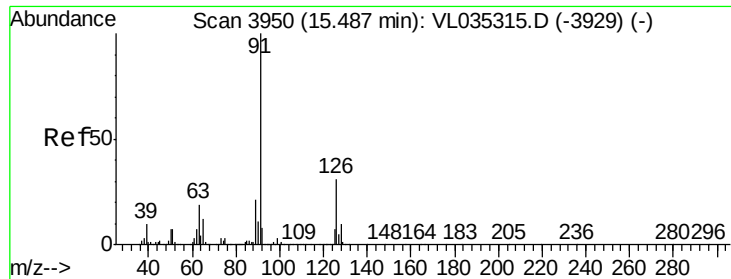
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.213 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion: 91 Resp: 4033342

Ion Ratio Lower Upper

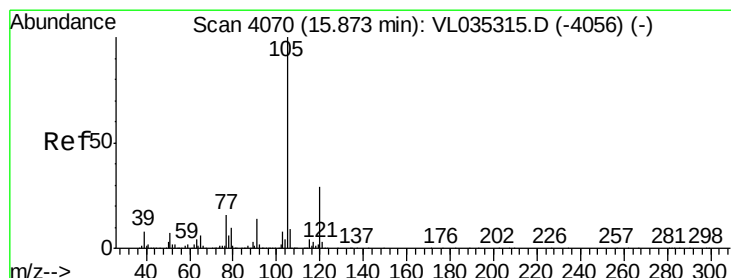
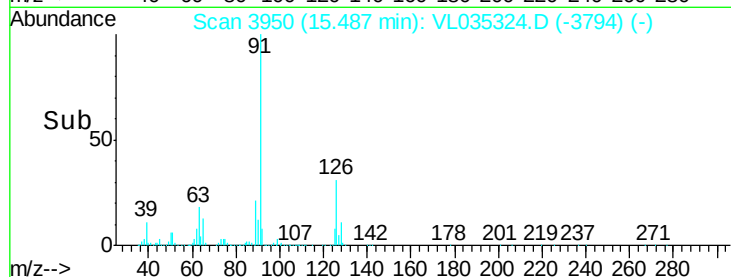
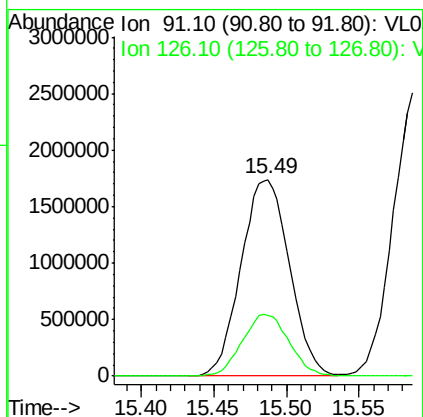
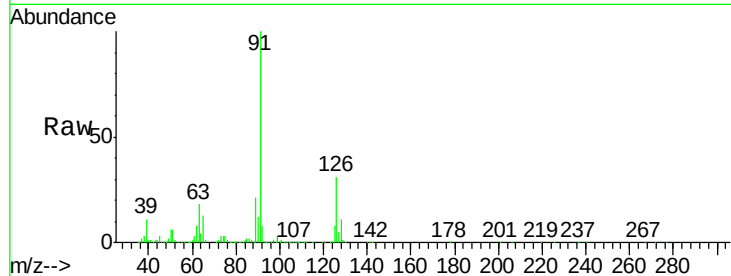
91 100

126 30.5 12.3 49.3

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#72

4-Ethyltoluene

Concen: 10.465 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion:105 Resp: 4141869

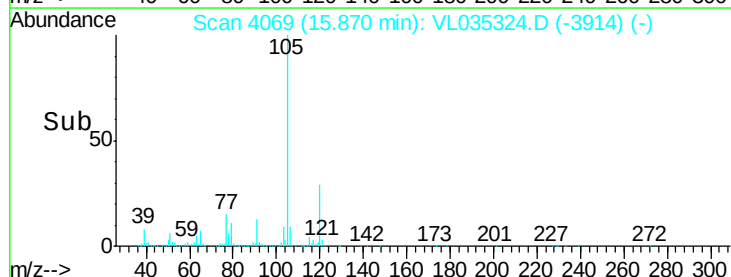
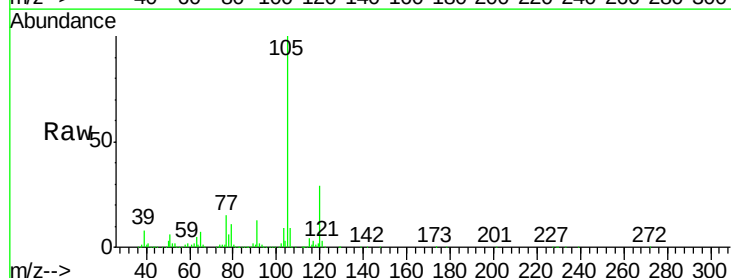
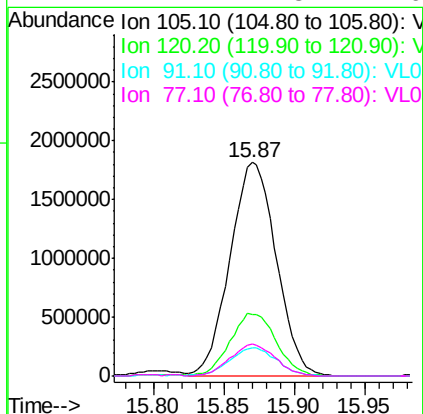
Ion Ratio Lower Upper

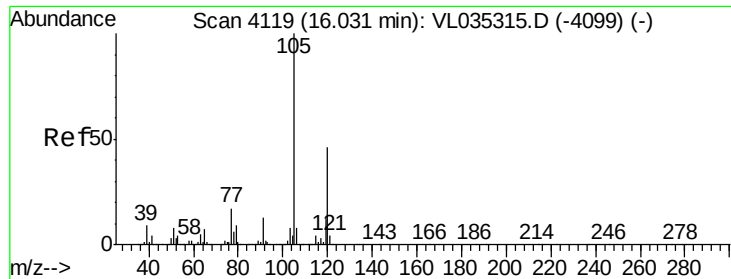
105 100

120 29.3 23.6 35.4

91 13.5 11.3 16.9

77 14.7 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 10.115 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion:105 Resp: 3921338

Ion Ratio Lower Upper

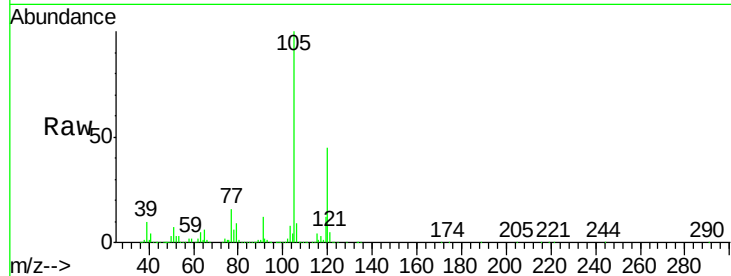
105 100

120 45.2 36.6 54.8

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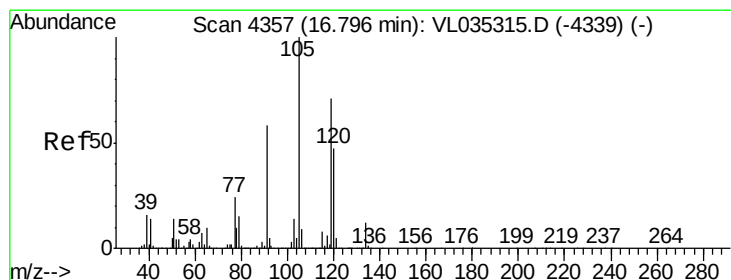
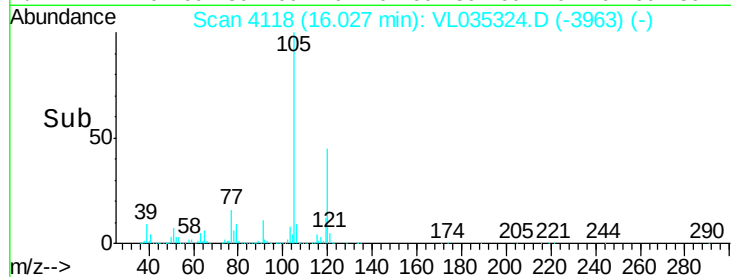
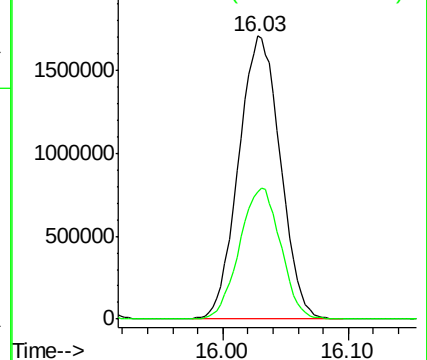
apatel

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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: 9.394 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion:105 Resp: 4175603

Ion Ratio Lower Upper

105 100

120 47.4 38.0 57.0

91 47.7 47.9 71.9#

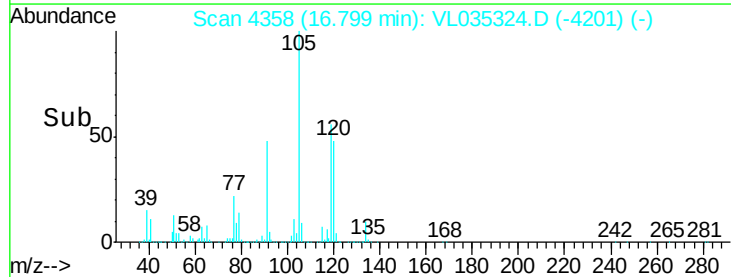
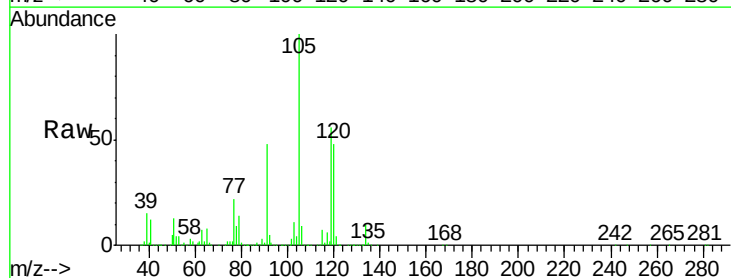
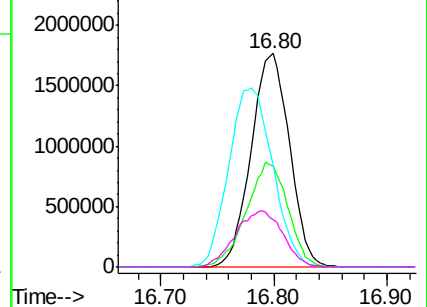
77 22.2 19.6 29.4

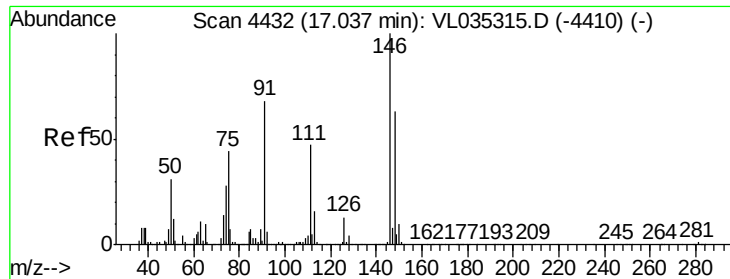
Abundance Ion 105.10 (104.80 to 105.80): V

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





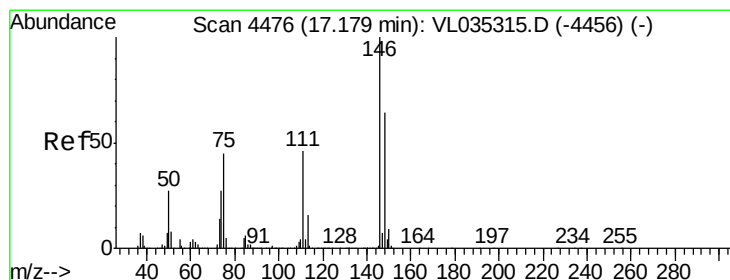
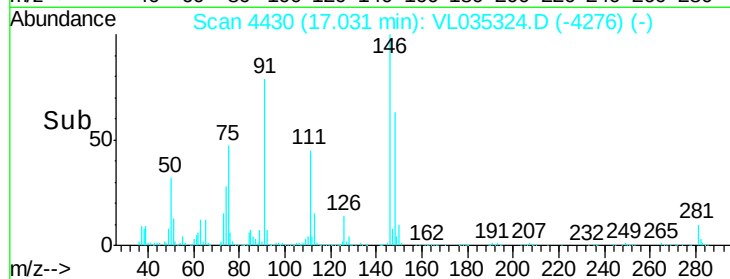
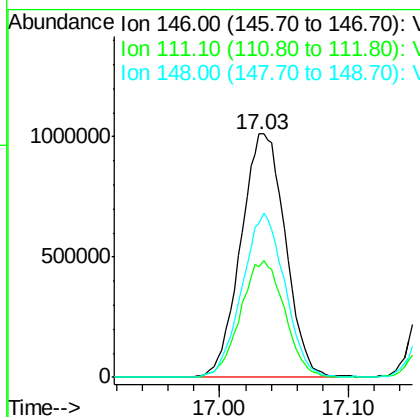
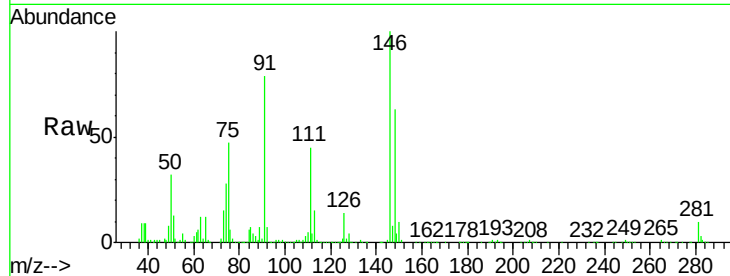
#75
 1,3-Dichlorobenzene
 Concen: 8.782 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.01 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	24.2	72.6
148	65.0	32.4	97.0

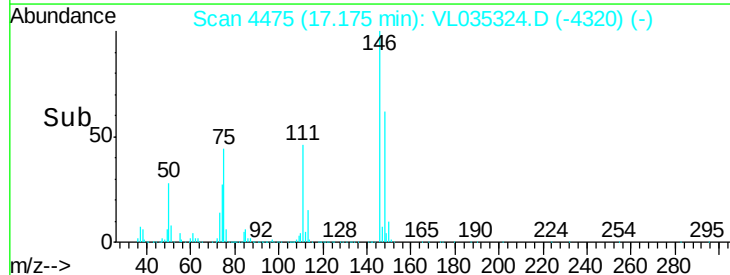
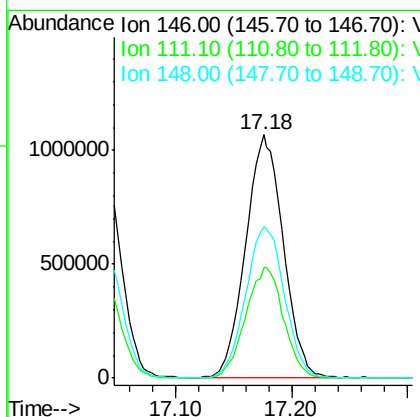
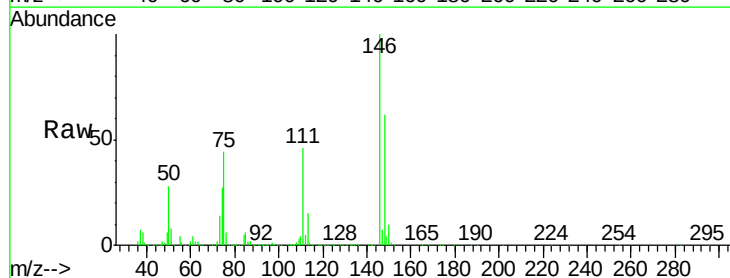
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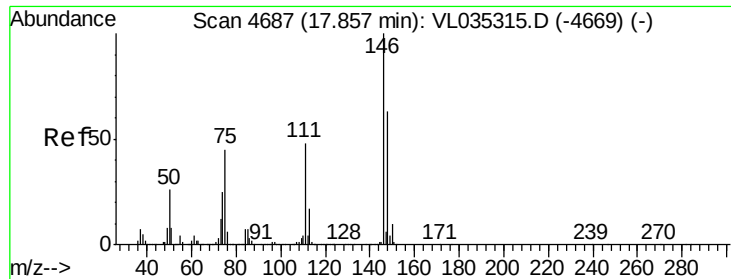
apatel
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#76
 1,4-Dichlorobenzene
 Concen: 9.181 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.3	23.6	70.8
148	64.6	32.8	98.4





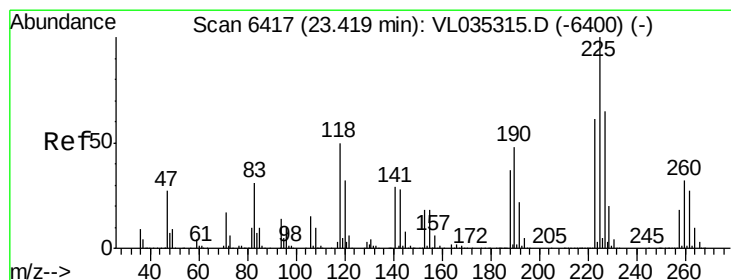
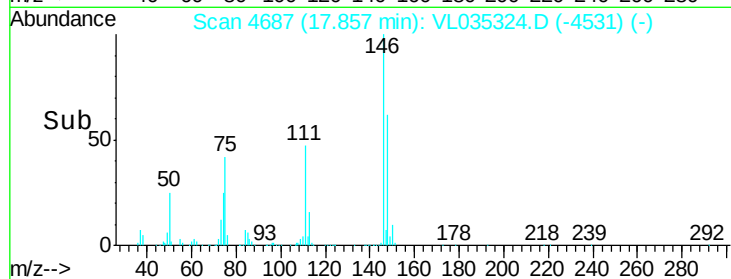
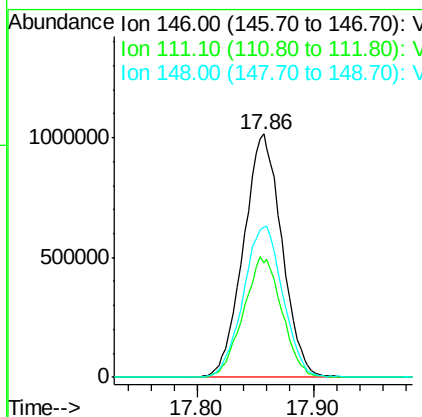
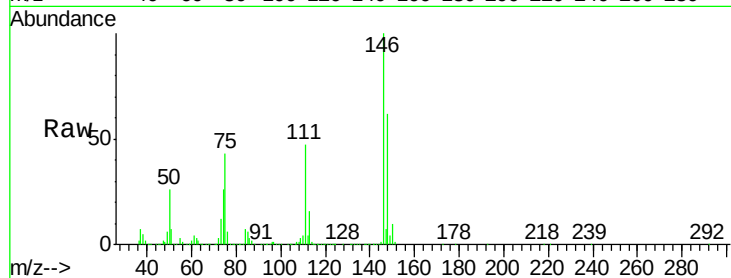
#77
 1,2-Dichlorobenzene
 Concen: 9.167 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.6	73.6
148	64.1	32.3	96.8

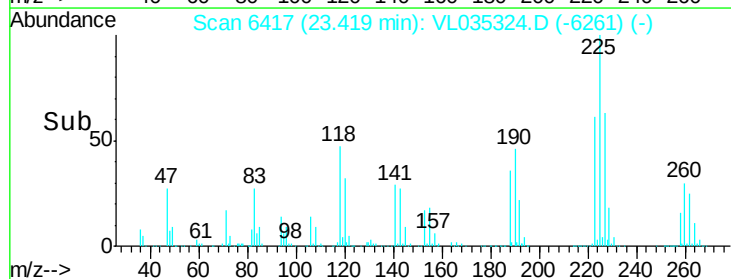
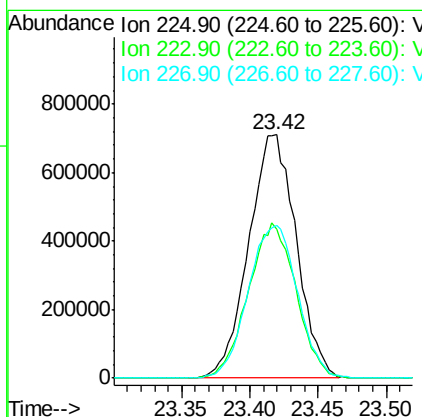
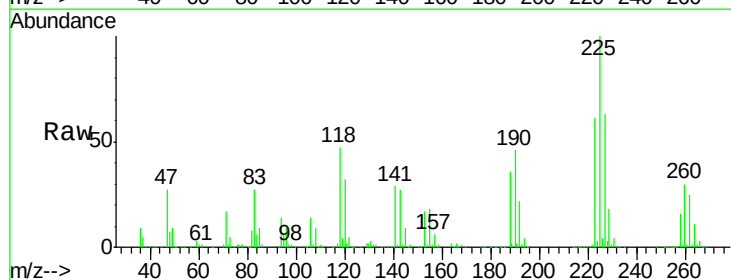
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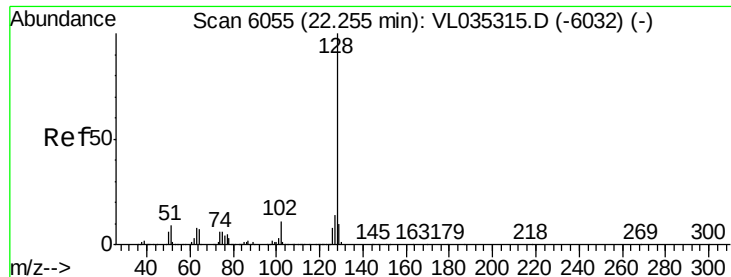
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.313 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.2	75.4
227	65.2	52.7	79.1





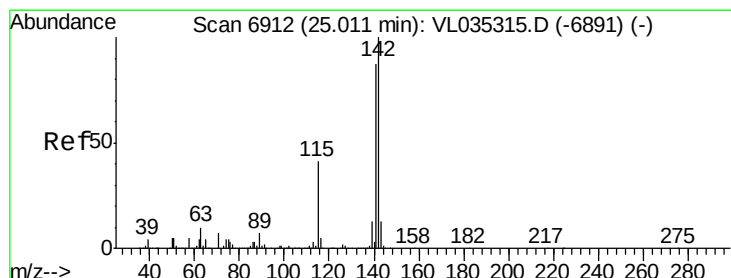
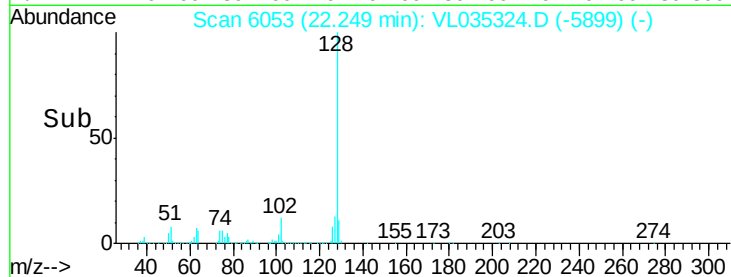
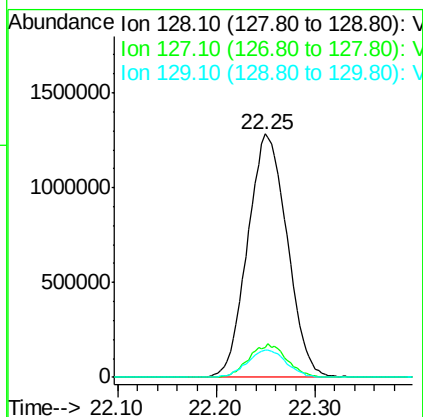
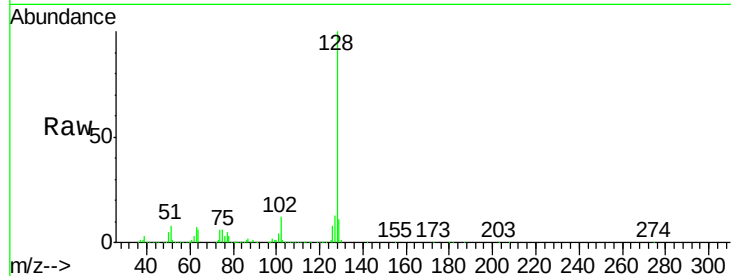
#79
Naphthalene
Concen: 10.093 ppbv
RT: 22.25 min Scan# 6053
Delta R.T. -0.01 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.8	16.2
129	11.3	8.4	12.6

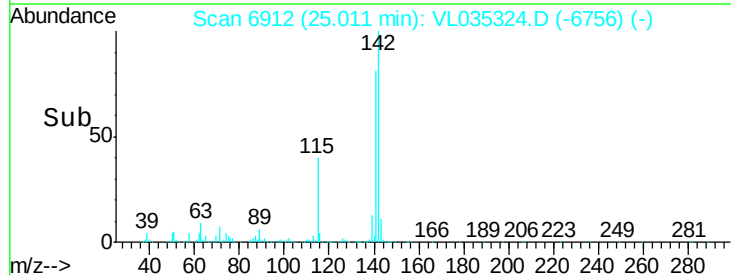
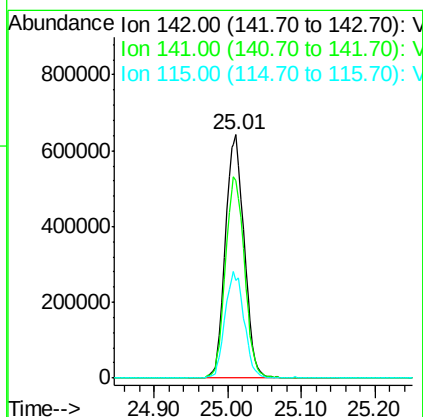
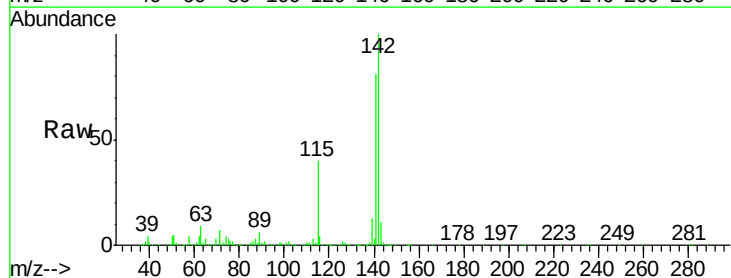
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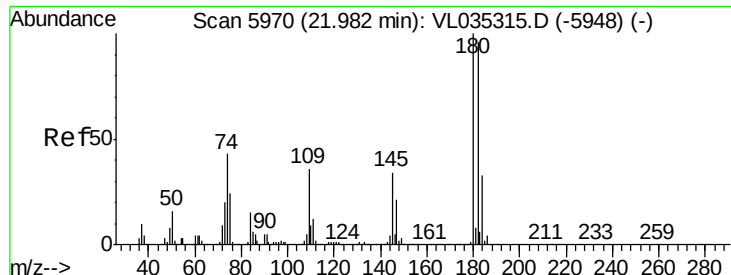
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#80
Naphthalene, 2-methyl-
Concen: 11.056 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.6	68.3	102.5
115	44.2	35.0	52.4





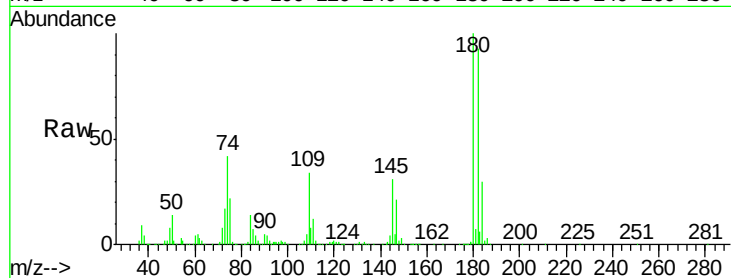
#81
 1,2,4-Trichlorobenzene
 Concen: 9.359 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.9	115.3
184	30.9	25.0	37.6

Manual Integrations
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

