

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034401.D
 Acq On : 25 Nov 2019 10:06
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 12/2/2019 9:19:29 AM

Quant Time: Nov 26 00:58:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 1
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	986058	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2012207	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2111838m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1744387	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1920735	10.767	ppbv 98
3) Chlorodifluoromethane	2.96	51	1142668	9.288	ppbv 100
4) Chloromethane	3.11	50	691977	9.536	ppbv 99
5) Vinyl Chloride	3.23	62	637055	9.370	ppbv 92
6) Bromomethane	3.45	94	335589	9.810	ppbv 93
7) Chloroethane	3.54	64	244432	9.905	ppbv 99
8) Dichlorotetrafluoroethane	3.16	85	1483881	9.263	ppbv 99
9) Propene	2.98	41	506555	9.274	ppbv 98
10) Heptane	8.16	43	1347362	9.559	ppbv 99
11) Trichlorofluoromethane	3.94	101	1682034	9.475	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1106273	9.383	ppbv 98
13) Ethanol	3.59	45	89854	5.906	ppbv 90
14) Bromoethene	3.73	108	472481	9.856	ppbv 100
15) Acetone	3.83	43	1225613	8.680	ppbv 100
16) 1,3-Butadiene	3.30	39	590914	9.607	ppbv 100
17) tert-Butyl alcohol	4.29	59	913425	7.696	ppbv 99
18) 1,1-Dichloroethene	4.28	96	507768	9.846	ppbv 99
19) Isopropyl Alcohol	3.96	45	708172	7.825	ppbv 99
20) Methylene Chloride	4.34	84	432575	8.640	ppbv 95
21) Allyl Chloride	4.41	41	861861	10.186	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	519670	9.996	ppbv 97
23) Vinyl Acetate	5.08	43	1837014	9.959	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1348080	9.514	ppbv 99
25) Ethyl Acetate	5.69	43	2351040	9.331	ppbv 99
26) Hexane	5.70	57	1009640	9.325	ppbv 100
27) Carbon Disulfide	4.55	76	1315267	11.153	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1722343	9.594	ppbv 100
29) Chloroform	5.77	83	1647812	9.398	ppbv 98
30) Cyclohexane	7.16	84	811000	9.908	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1099623	9.828	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	1653107	10.056	ppbv 99
34) 2-Butanone	5.25	43	1568442	9.470	ppbv 99
35) Carbon Tetrachloride	7.04	117	1760928	10.178	ppbv 98
36) Benzene	6.92	78	1926706	9.579	ppbv 99
37) 1,2-Dichloroethane	6.33	62	1431708	9.581	ppbv 100
38) Trichloroethene	7.87	130	757457	9.176	ppbv 99
39) 1,2-Dichloropropane	7.65	63	789669	10.190	ppbv 92
40) 1,4-Dioxane	7.86	88	267778	7.910	ppbv # 97
41) Tetrahydrofuran	6.06	42	903561	9.726	ppbv 98
42) Bromodichloromethane	7.83	83	1848637	9.892	ppbv 99
43) Methyl Methacrylate	8.05	69	832532	9.979	ppbv 99

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Manual Integrations
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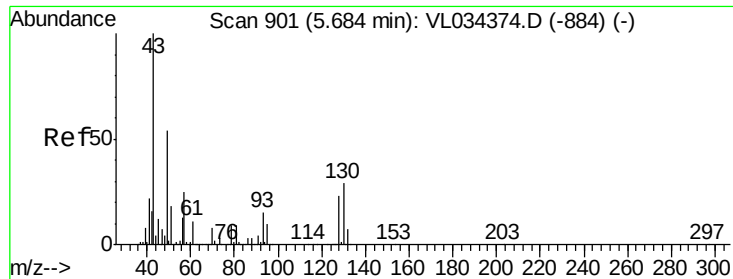
apatel
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 1
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.90	57	3413806	9.287	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1175996	10.991	ppbv	97
46) cis-1,3-Dichloropropene	8.74	75	1284614	10.689	ppbv	98
47) 1,1,2-Trichloroethane	9.52	97	821923	9.535	ppbv	96
48) Dibromochloromethane	10.36	129	1550104	10.473	ppbv	100
49) Bromoform	13.10	173	1403624	10.624	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2331496	9.729	ppbv	99
51) 2-Hexanone	10.18	43	1975930	9.844	ppbv #	99
52) Tetrachloroethene	11.28	164	734492	8.439	ppbv	99
53) Toluene	9.85	91	2266031	9.918	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1263658	9.562	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.18	131	1021236	9.886	ppbv	97
57) Chlorobenzene	12.20	112	1723343	9.027	ppbv	95
58) Ethyl Benzene	12.76	91	3107591	9.482	ppbv	98
59) m/p-Xylene	13.05	91	5150116m	18.180	ppbv	
60) o-Xylene	13.75	91	2603785	9.296	ppbv	99
61) Styrene	13.59	104	1934124	9.575	ppbv	100
62) Isopropylbenzene	14.73	105	3408859	9.202	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1819895	8.644	ppbv	100
64) n-propylbenzene	15.62	120	892076m	9.273	ppbv	
65) tert-Butylbenzene	16.81	119	3014700	9.060	ppbv	100
66) Benzyl Chloride	17.06	91	1534130	11.984	ppbv	100
67) sec-Butylbenzene	17.36	105	4183345	8.987	ppbv	100
69) p-Isopropyltoluene	17.72	119	3504110	9.071	ppbv	100
70) n-Butylbenzene	18.62	91	3715935	8.940	ppbv	100
71) 2-Chlorotoluene	15.52	91	2685830	9.093	ppbv	100
72) 4-Ethyltoluene	15.90	105	3017563	9.324	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2893619	9.134	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	2965846	8.813	ppbv	97
75) 1,3-Dichlorobenzene	17.07	146	1701572	8.797	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1687085	8.982	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1651231	8.838	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1484397	9.248	ppbv	99
79) Naphthalene	22.29	128	2623663	8.994	ppbv	98
80) Naphthalene, 2-methyl-	25.04	142	1511311	11.473	ppbv	99
81) 1,2,4-Trichlorobenzene	22.02	180	1576156	8.795	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

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MSVOA_L

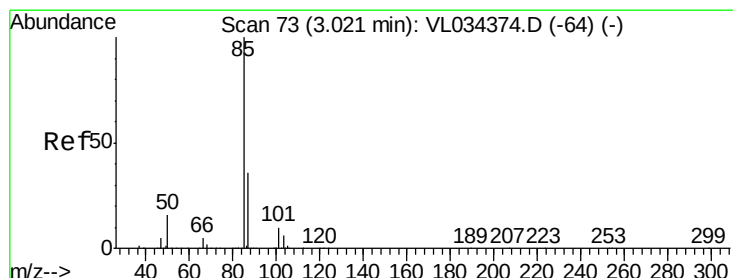
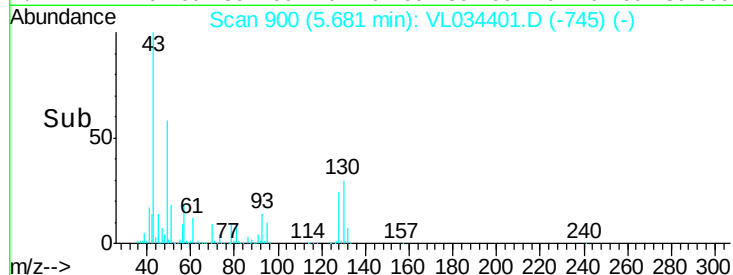
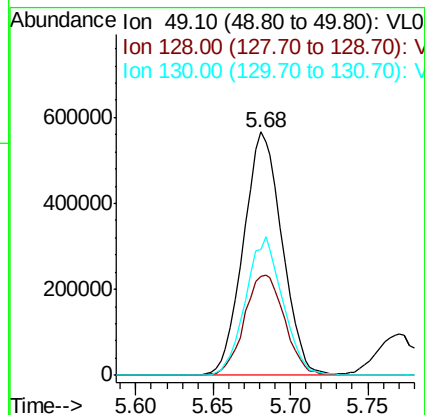
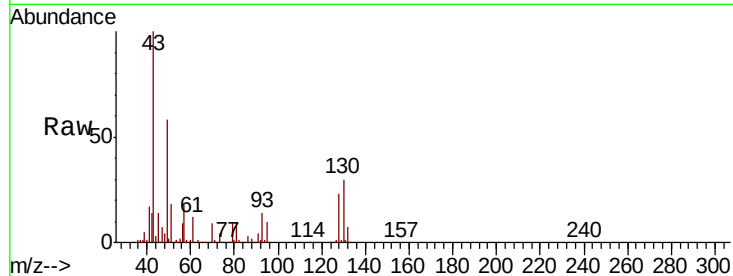
ClientSampleId :

VSTDCCC010

Tot Ion:	49	Resp:	986058
Ion	Ratio	Lower	Upper
49	100		
128	43.1	21.8	65.3
130	55.1	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 10.767 ppbv

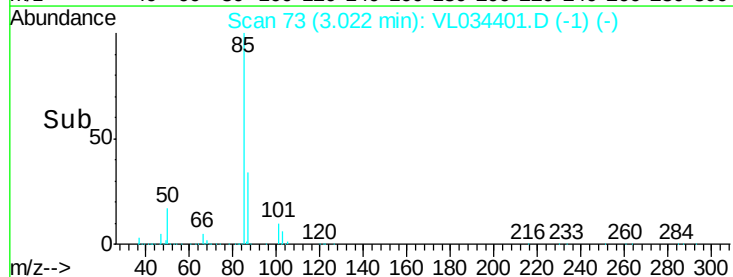
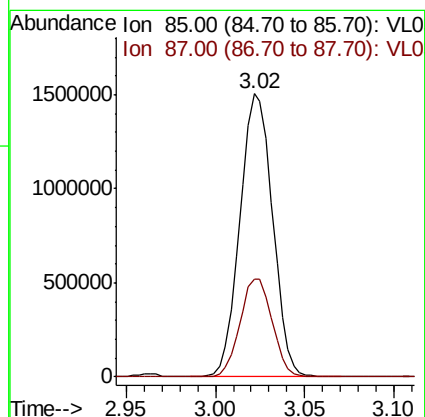
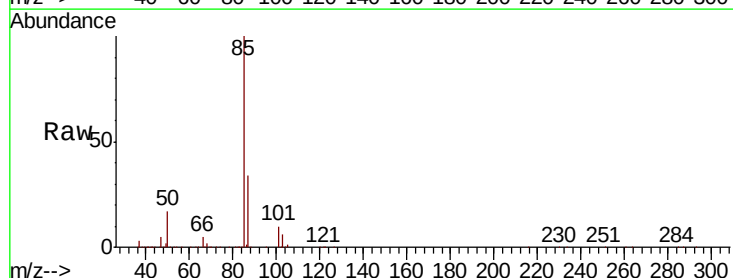
RT: 3.02 min Scan# 73

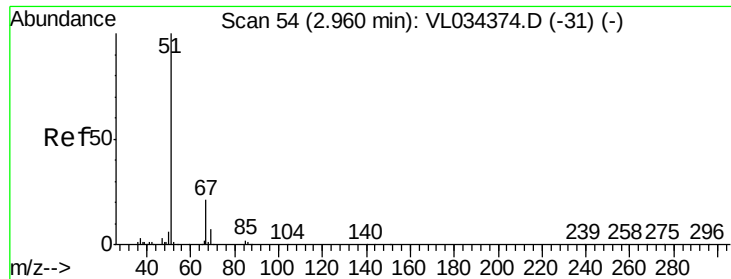
Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion:	85	Resp:	1920735
Ion	Ratio	Lower	Upper
85	100		
87	34.4	28.5	42.7





#3

Chlorodifluoromethane

Concen: 9.288 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1142668

Ion Ratio Lower Upper

51 100

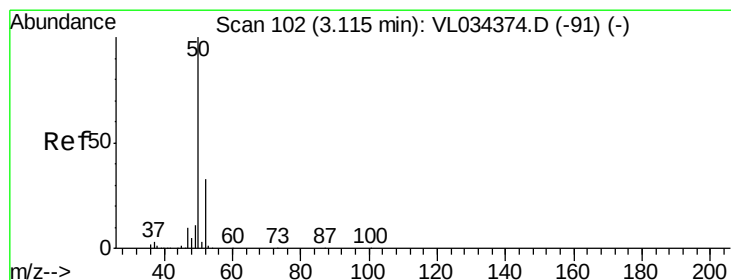
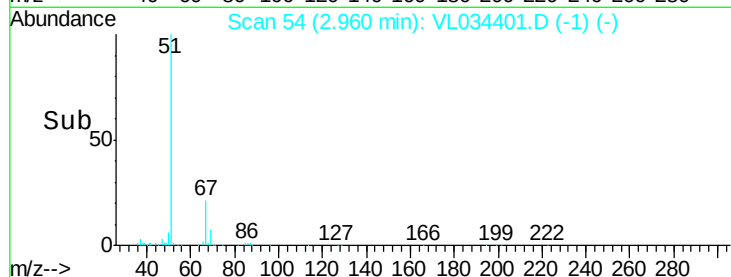
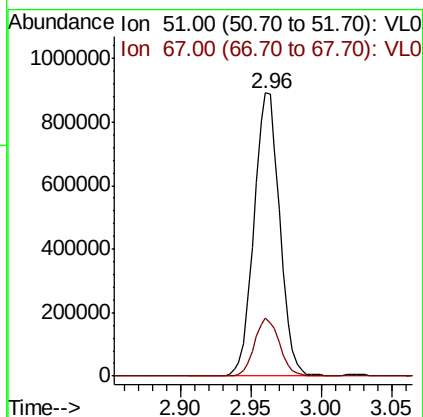
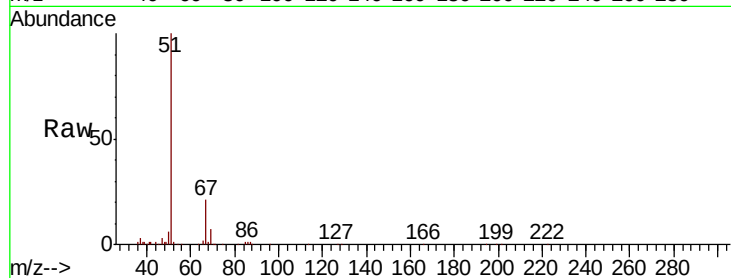
67 20.0 16.2 24.2

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#4

Chloromethane

Concen: 9.536 ppbv

RT: 3.11 min Scan# 102

Delta R.T. 0.00 min

Lab File: VL034401.D

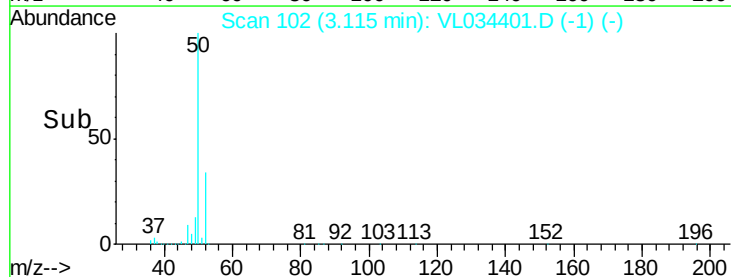
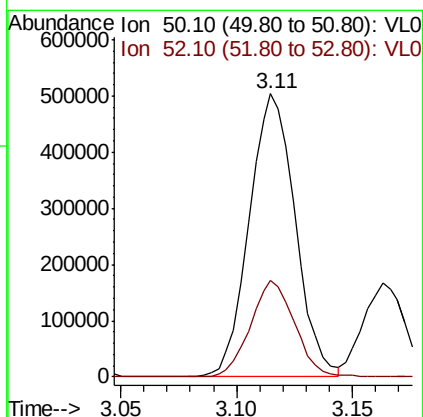
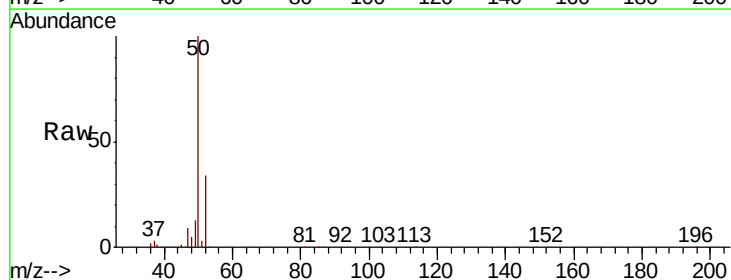
Acq: 25 Nov 2019 10:06

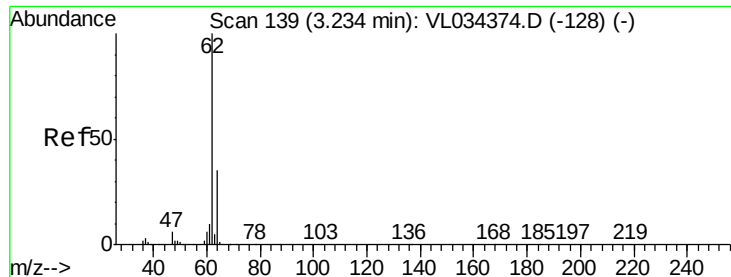
Tgt Ion: 50 Resp: 691977

Ion Ratio Lower Upper

50 100

52 34.3 26.8 40.2





#5

Vinyl Chloride

Concen: 9.370 ppbv

RT: 3.23 min Scan# 139

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion: 62 Resp: 637055

Ion Ratio Lower Upper

62 100

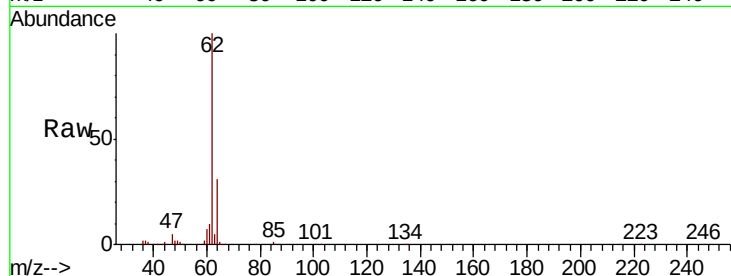
64 30.6 28.4 42.6

Manual Integrations

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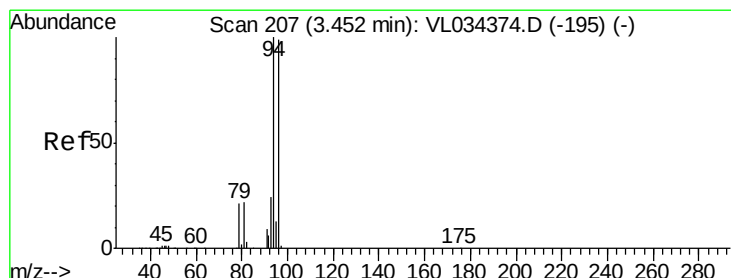
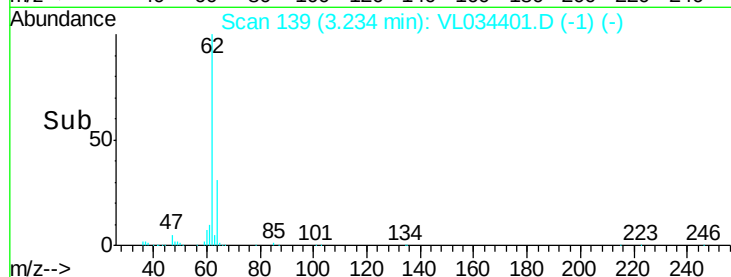
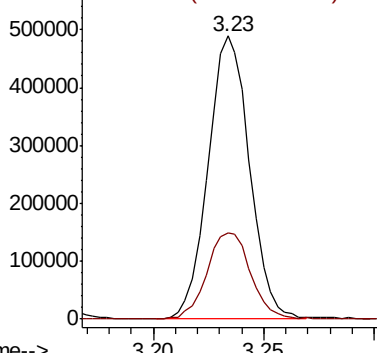
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.810 ppbv

RT: 3.45 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL034401.D

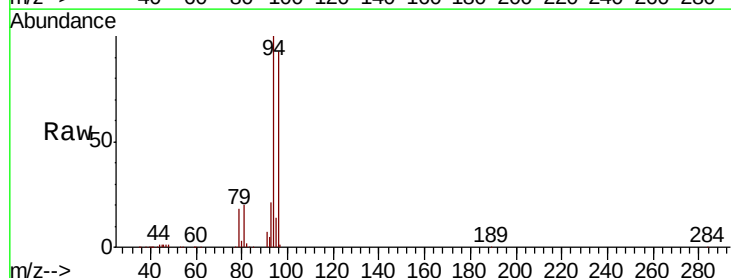
Acq: 25 Nov 2019 10:06

Tgt Ion: 94 Resp: 335589

Ion Ratio Lower Upper

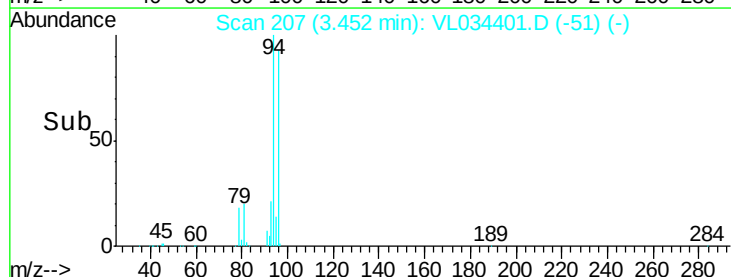
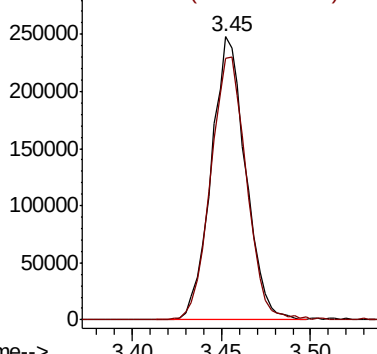
94 100

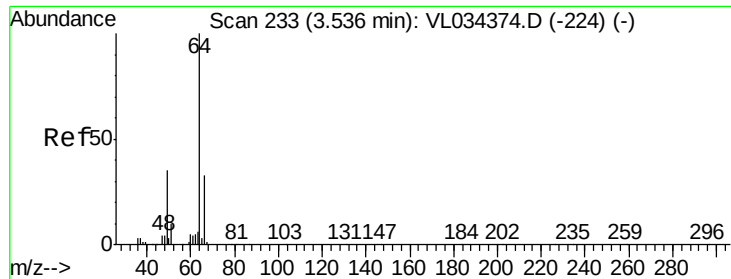
96 92.5 79.5 119.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.905 ppbv

RT: 3.54 min Scan# 233

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 244432

Ion Ratio Lower Upper

64 100

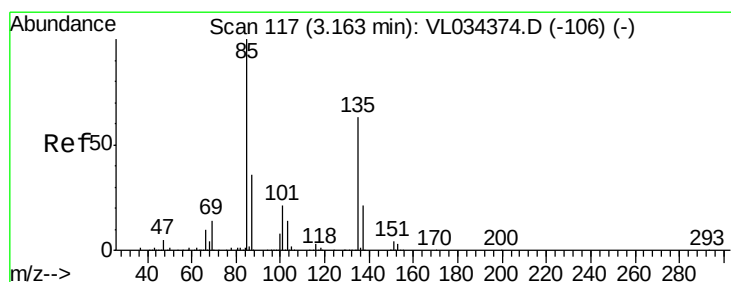
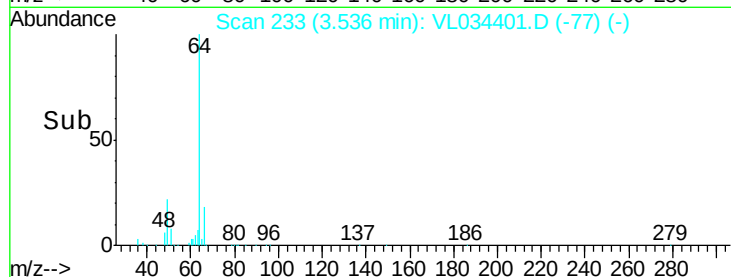
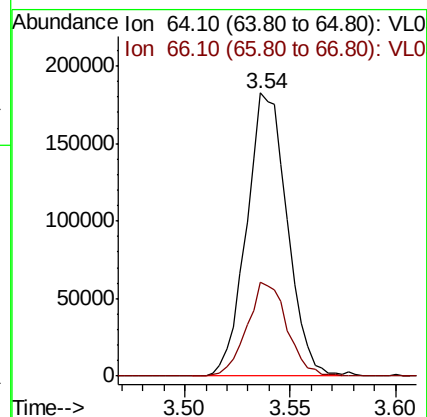
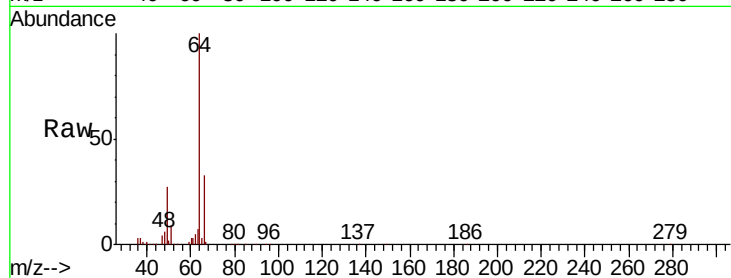
66 33.2 26.0 39.0

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#8

Dichlorotetrafluoroethane

Concen: 9.263 ppbv

RT: 3.16 min Scan# 117

Delta R.T. 0.00 min

Lab File: VL034401.D

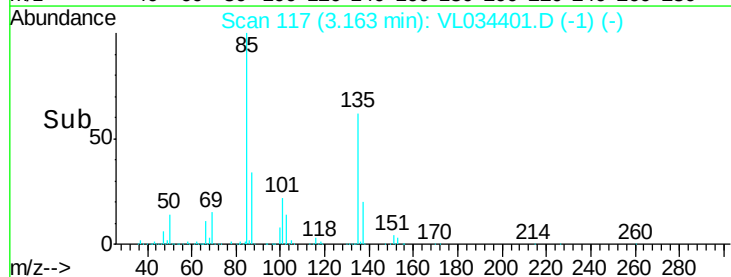
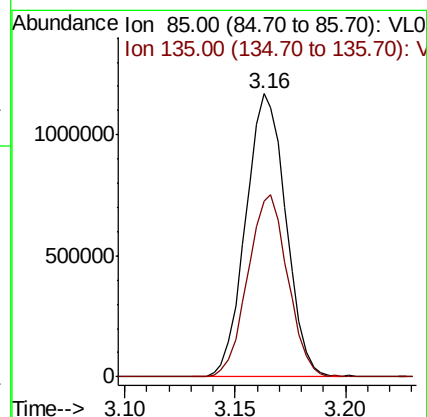
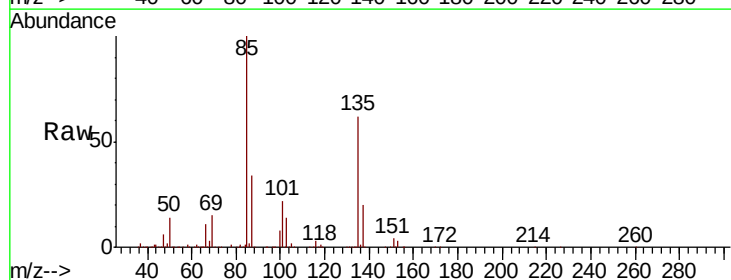
Acq: 25 Nov 2019 10:06

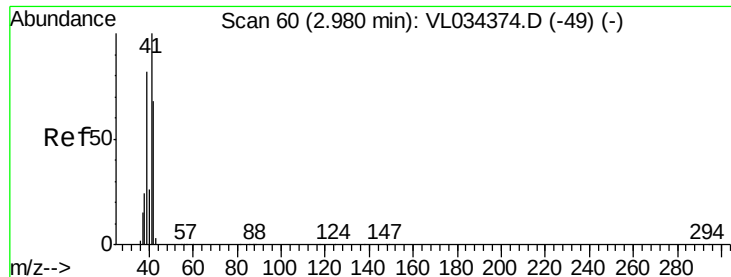
Tgt Ion: 85 Resp: 1483881

Ion Ratio Lower Upper

85 100

135 64.3 51.1 76.7





#9

Propene

Concen: 9.274 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 506555

Ion Ratio Lower Upper

41 100

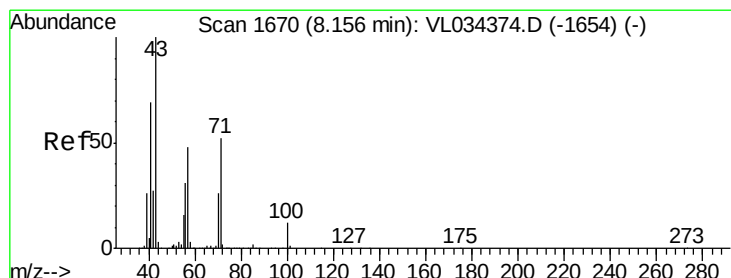
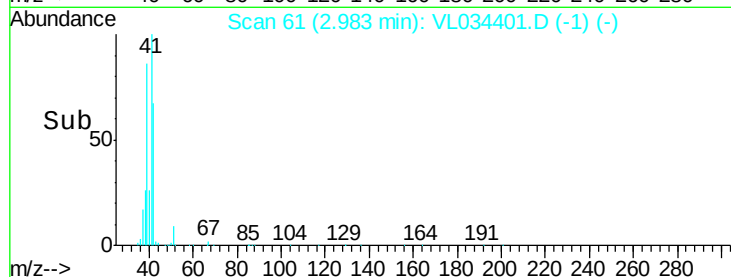
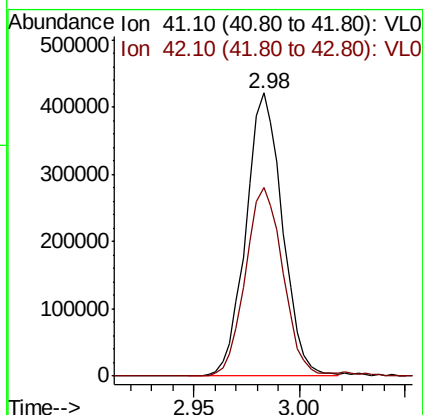
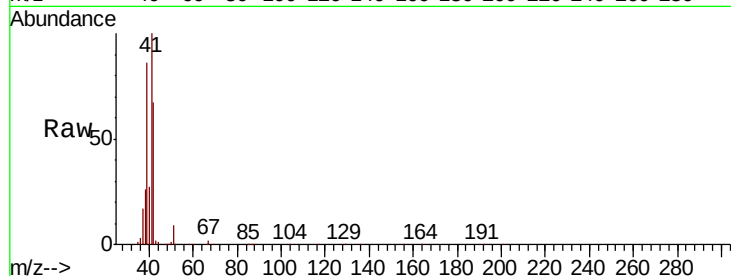
42 69.7 54.6 82.0

Manual Integrations

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#10

Heptane

Concen: 9.559 ppbv

RT: 8.16 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VL034401.D

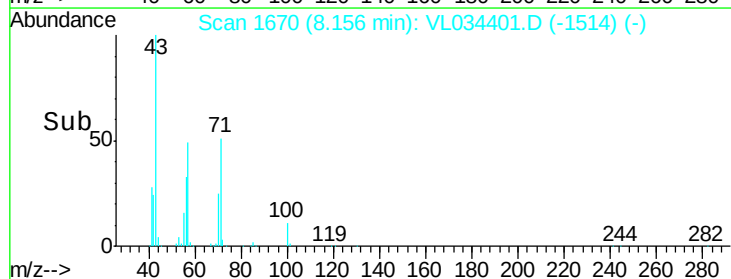
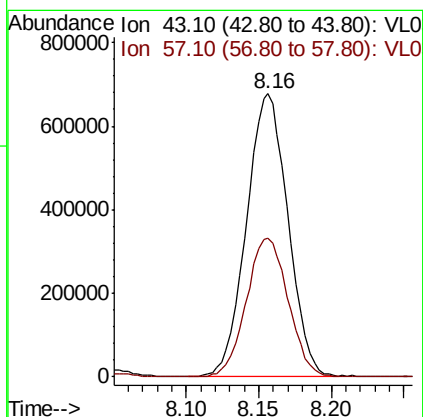
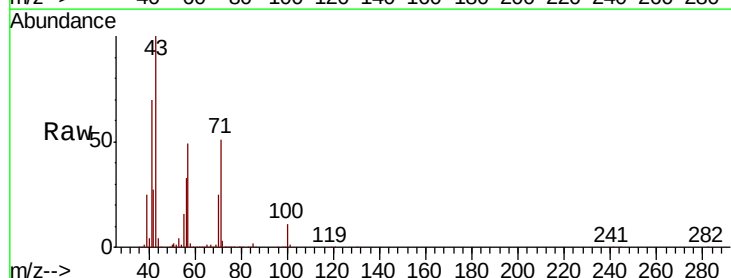
Acq: 25 Nov 2019 10:06

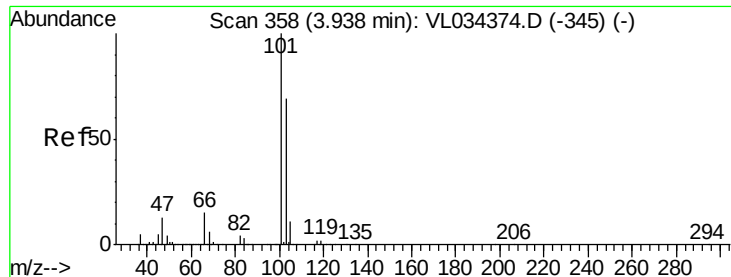
Tgt Ion: 43 Resp: 1347362

Ion Ratio Lower Upper

43 100

57 49.3 40.2 60.2





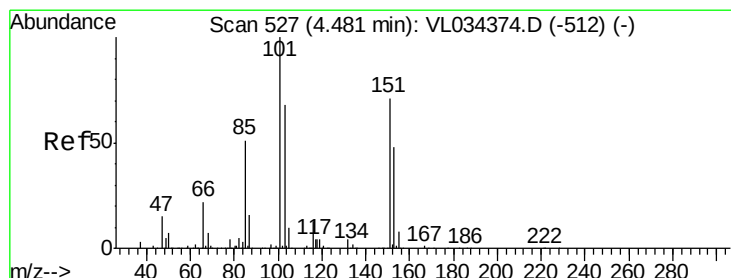
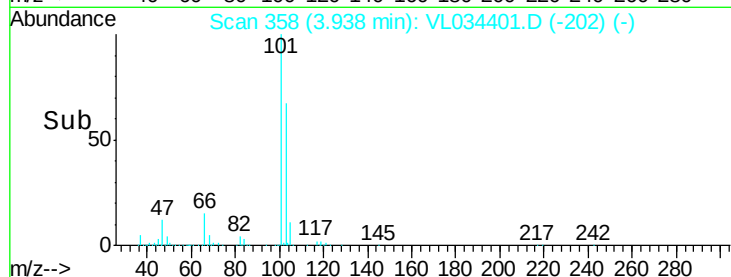
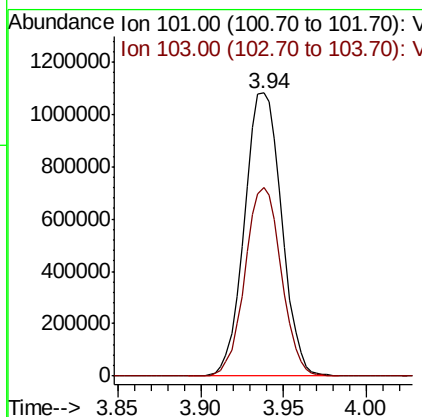
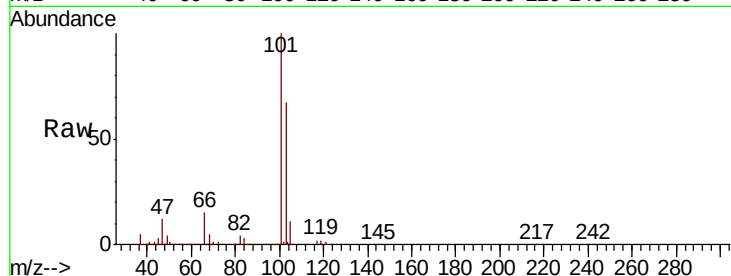
#11
 Trichlorofluoromethane
 Concen: 9.475 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1682034
 Ion Ratio Lower Upper
 101 100
 103 66.9 55.4 83.0

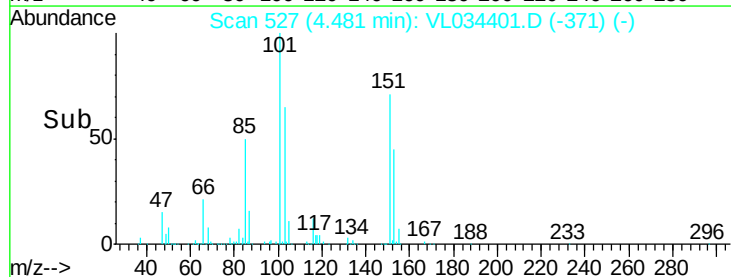
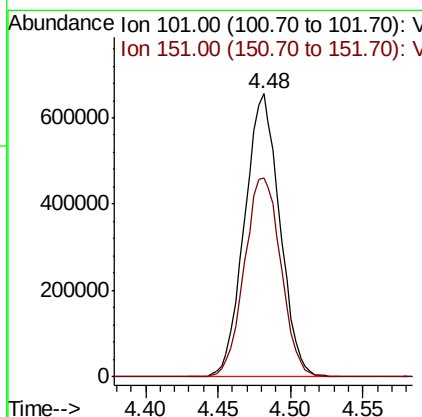
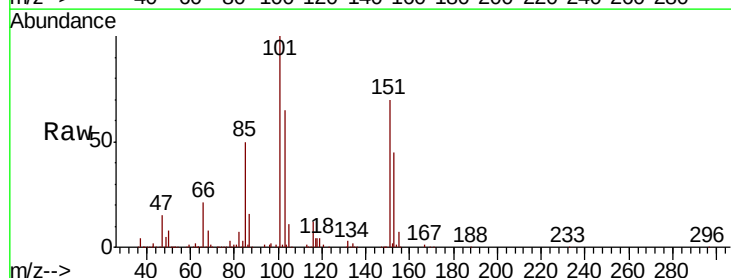
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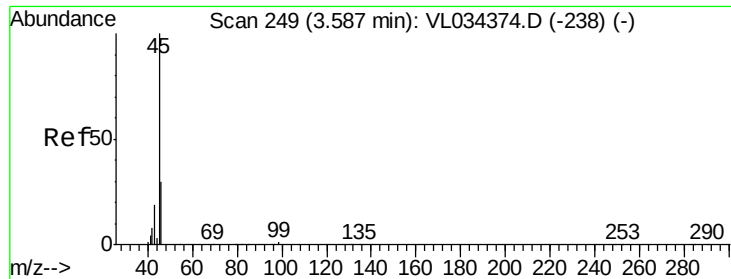
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.383 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion:101 Resp: 1106273
 Ion Ratio Lower Upper
 101 100
 151 73.2 57.4 86.2





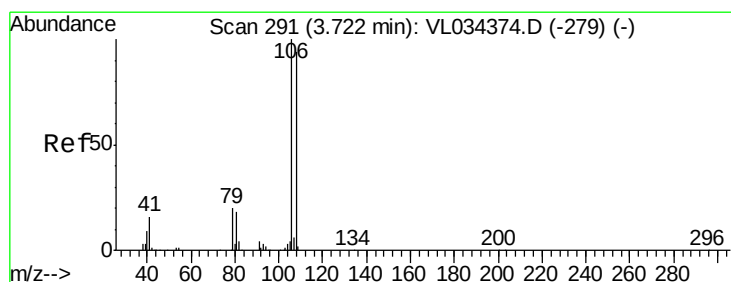
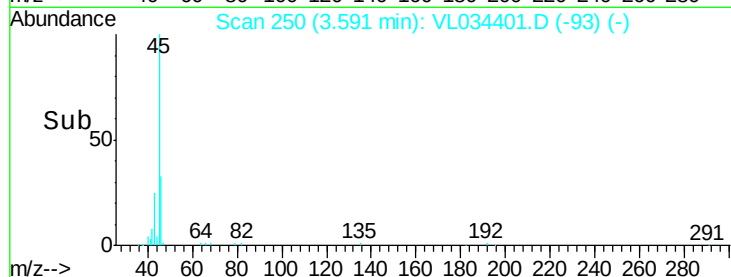
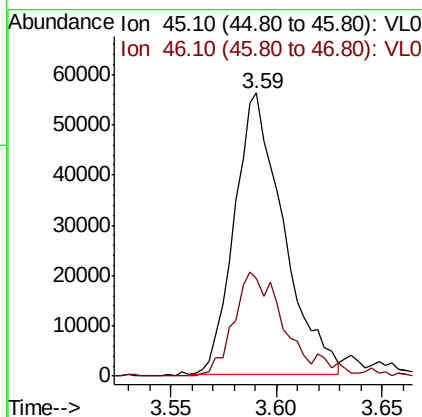
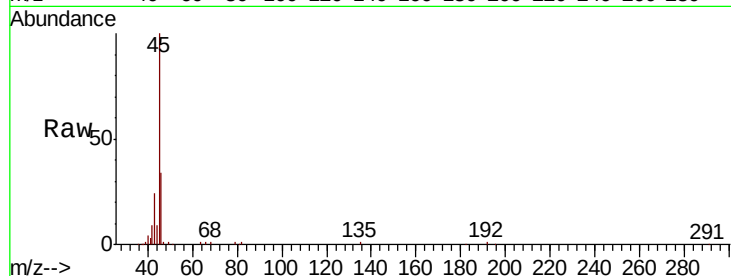
#13
 Ethanol
 Concen: 5.906 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	40.3	13.8	55.4

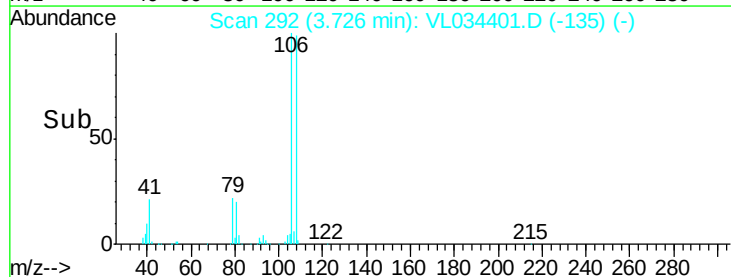
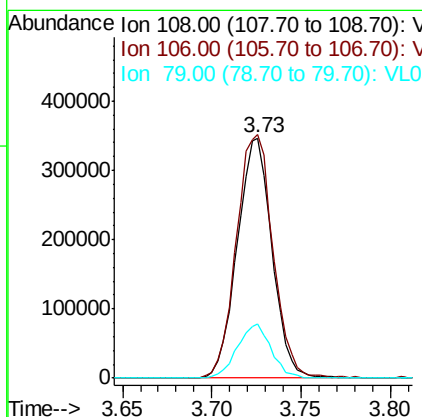
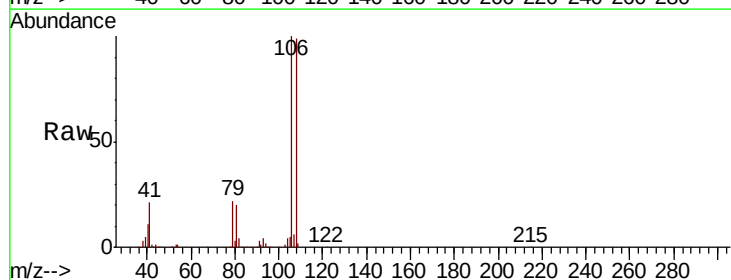
Manual Integrations
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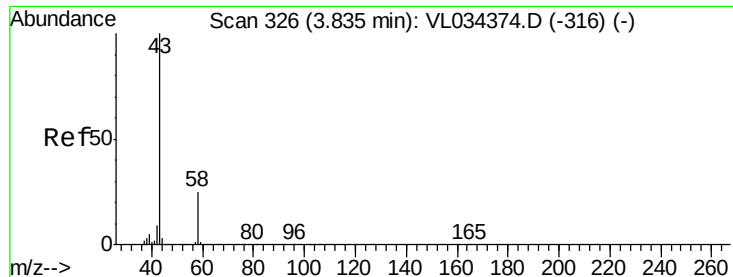
apatel
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#14
 Bromoethene
 Concen: 9.856 ppbv
 RT: 3.73 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.4	85.7	128.5
79	22.2	17.2	25.8





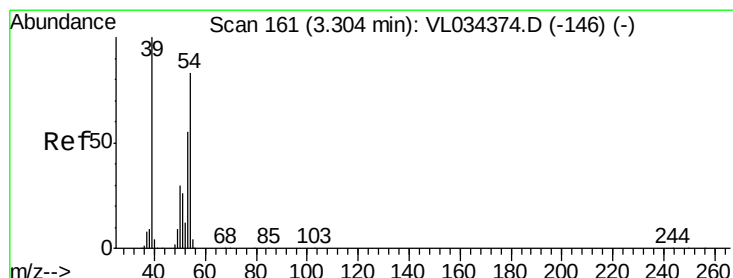
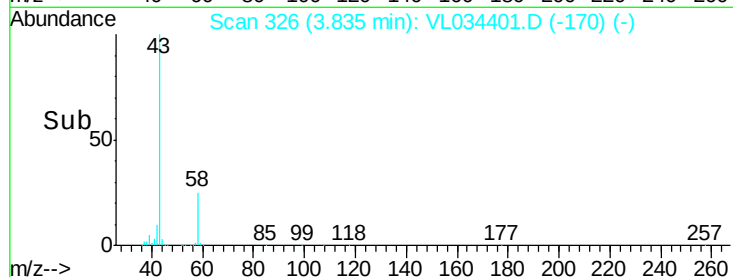
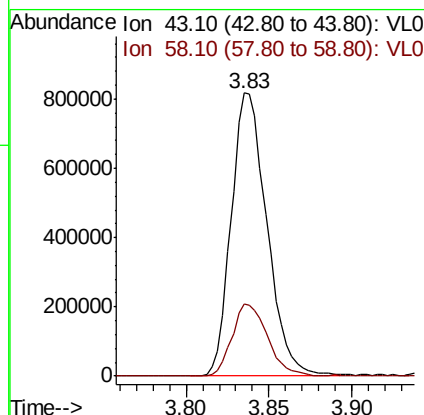
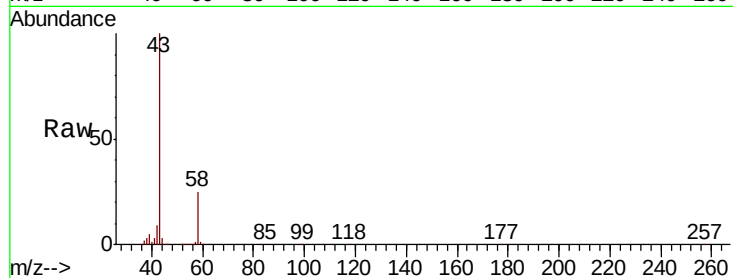
#15
Acetone
Concen: 8.680 ppbv
RT: 3.83 min Scan# 326
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1225613
Ion Ratio Lower Upper
43 100
58 25.5 20.2 30.4

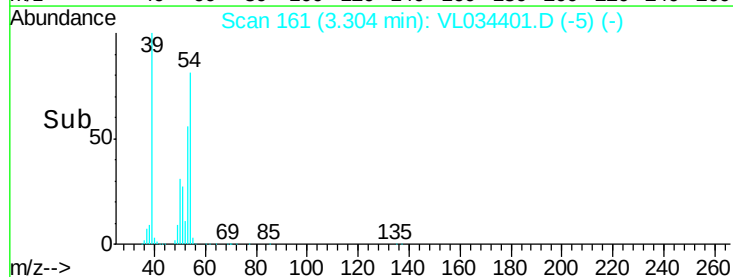
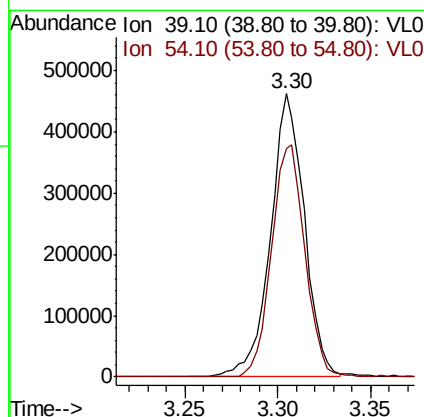
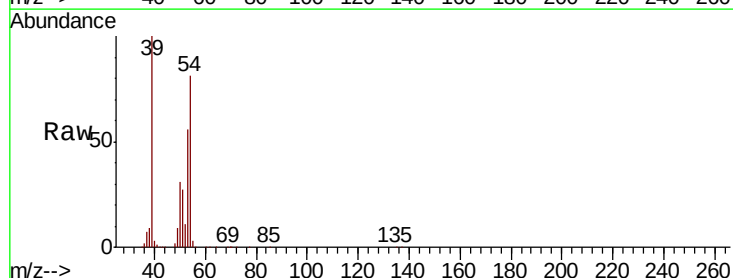
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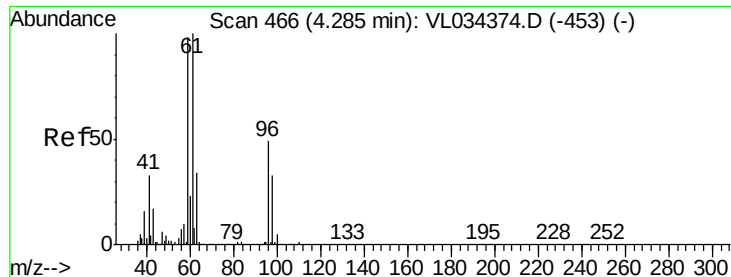
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#16
1,3-Butadiene
Concen: 9.607 ppbv
RT: 3.30 min Scan# 161
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 39 Resp: 590914
Ion Ratio Lower Upper
39 100
54 81.1 64.7 97.1





#17

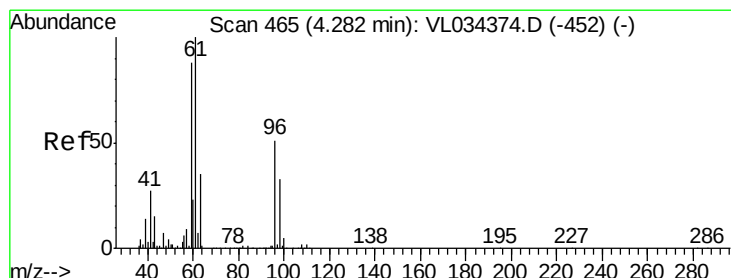
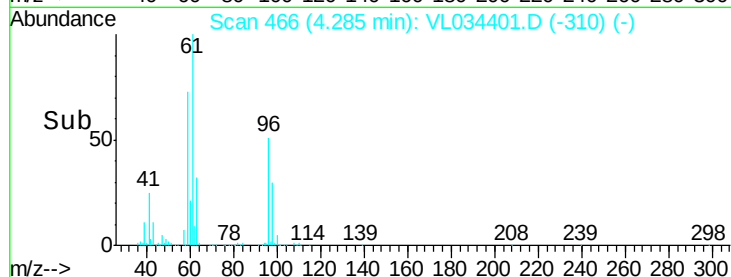
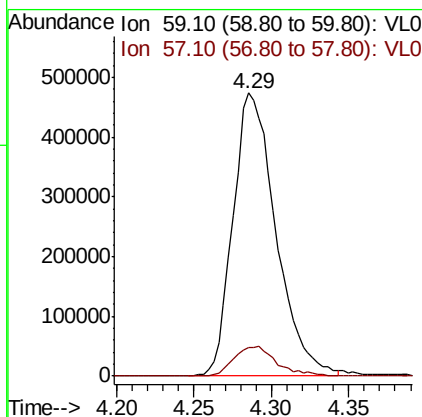
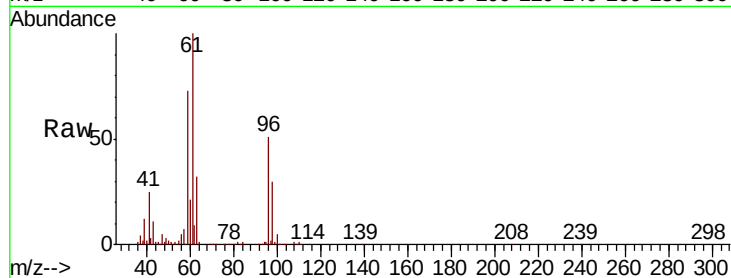
tert-Butyl alcohol
Concen: 7.696 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion	59	Resp	913425
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.8	13.2

Manual Integrations
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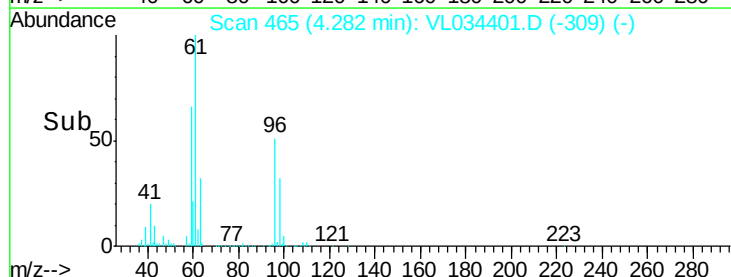
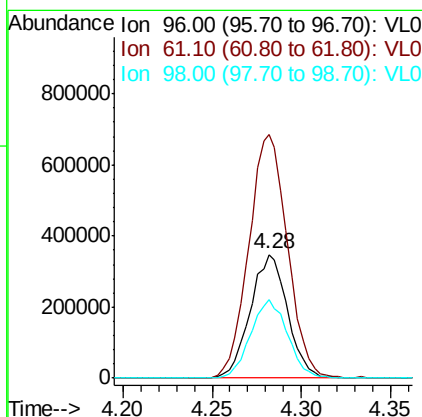
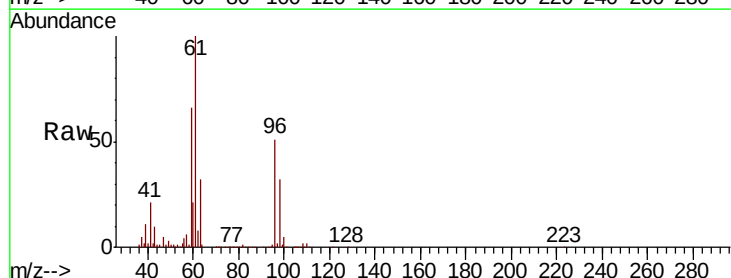
apatel
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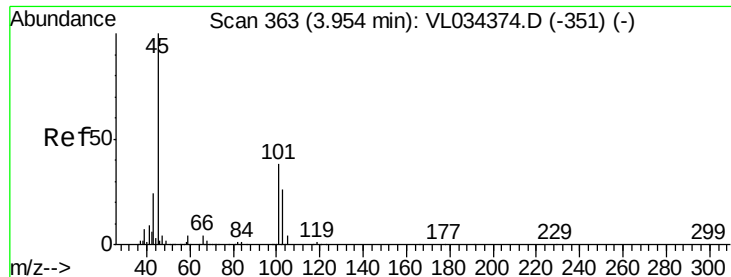


#18

1,1-Dichloroethene
Concen: 9.846 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion	96	Resp	507768
Ion	Ratio	Lower	Upper
96	100		
61	196.7	155.6	233.4
98	63.6	51.6	77.4





#19

Isopropyl Alcohol

Concen: 7.825 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 708172

Ion Ratio Lower Upper

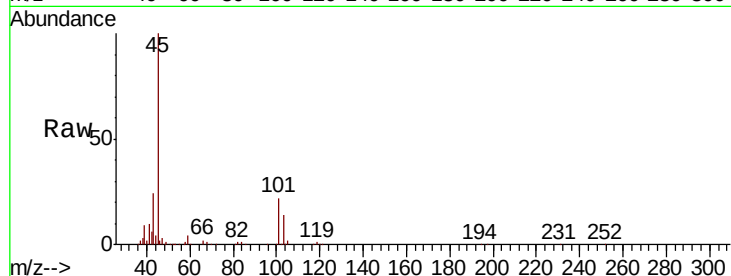
45 100

58 1.8 1.3 1.9

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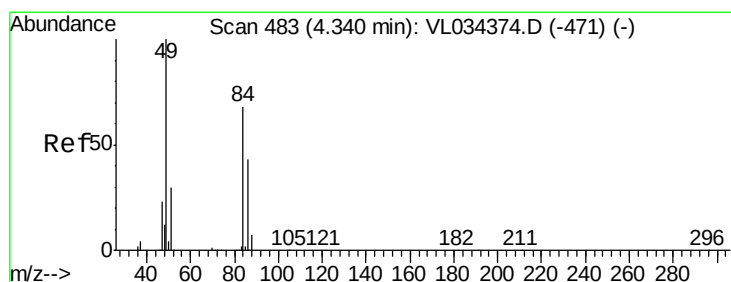
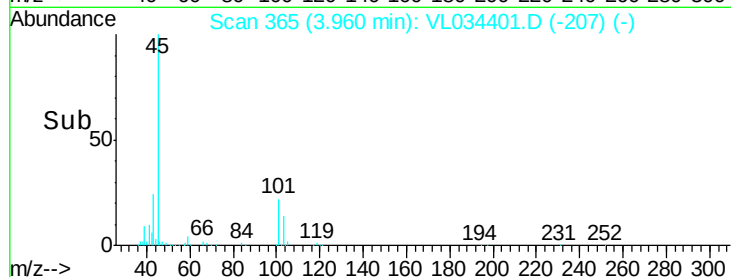
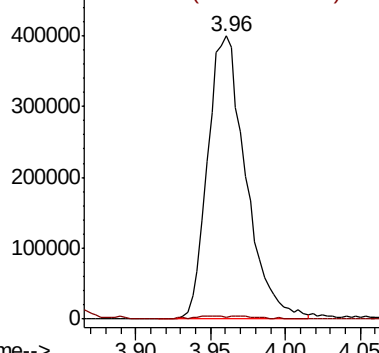
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.640 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion: 84 Resp: 432575

Ion Ratio Lower Upper

84 100

49 154.7 116.8 175.2

51 49.1 35.6 53.4

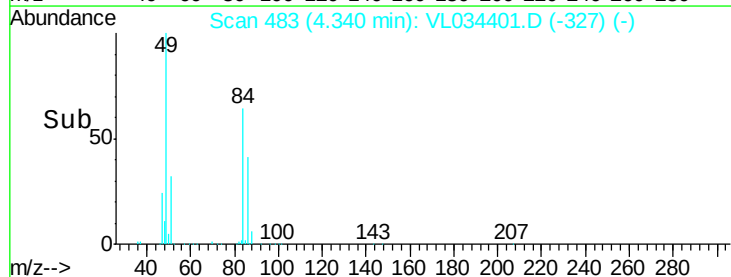
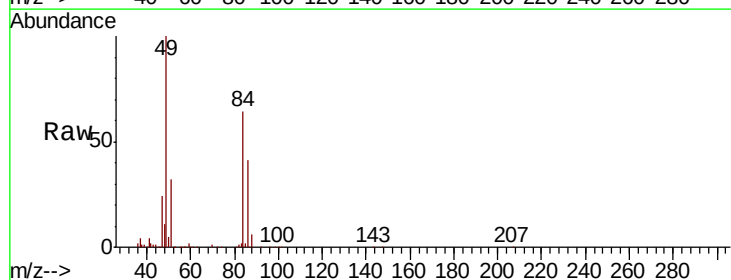
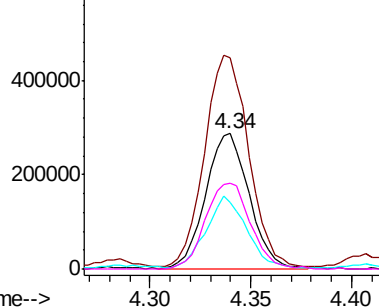
86 63.6 50.7 76.1

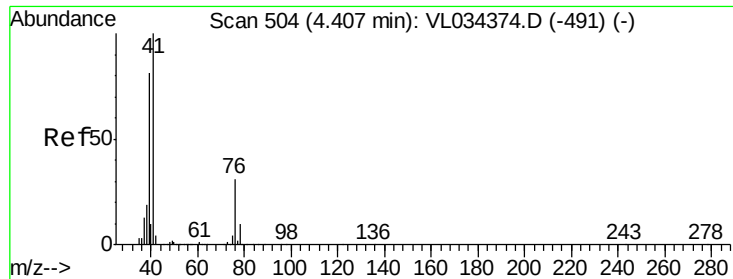
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 10.186 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

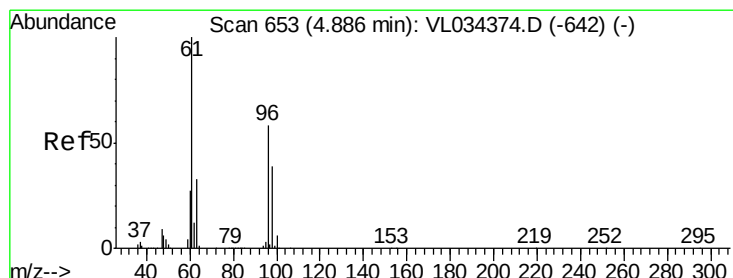
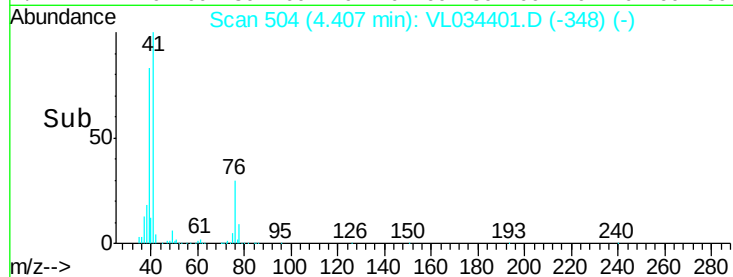
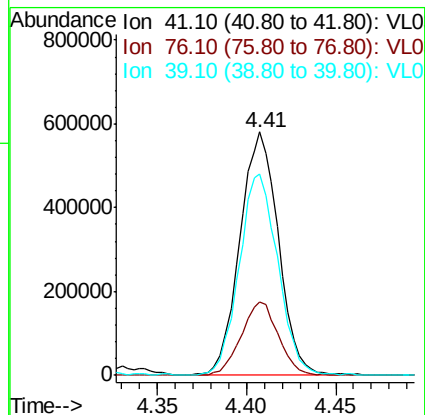
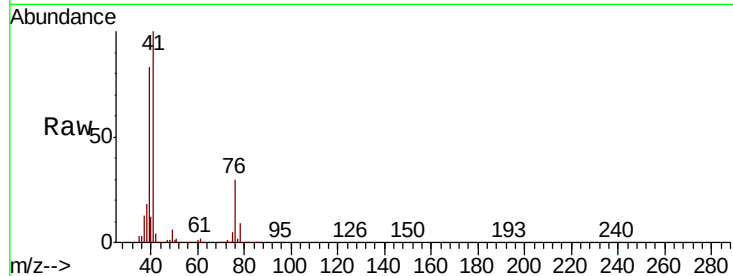
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	861861
Ion Ratio		Lower	Upper
41	100		
76	29.6	24.2	36.2
39	84.2	66.9	100.3

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#22

trans-1,2-Dichloroethene

Concen: 9.996 ppbv

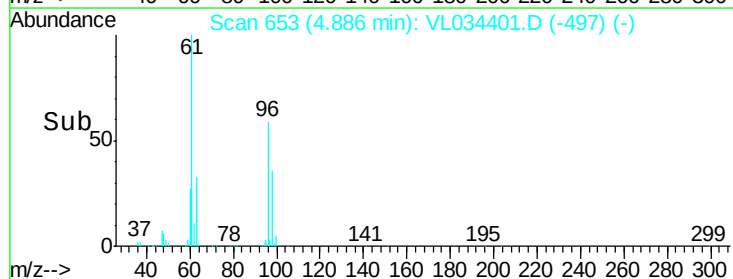
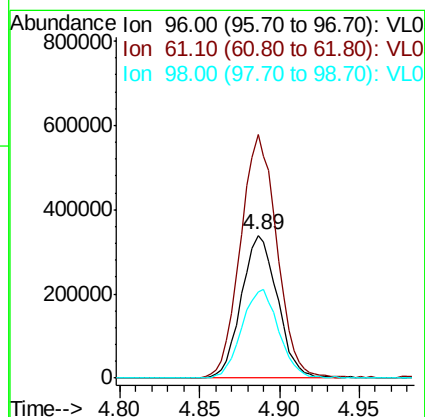
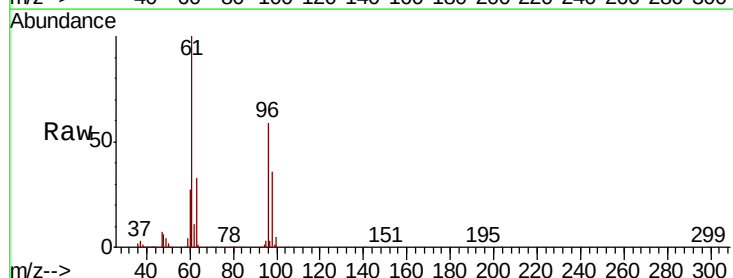
RT: 4.89 min Scan# 653

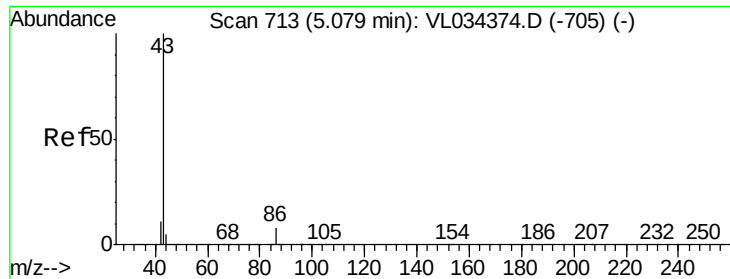
Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion:	96	Resp:	519670
Ion Ratio		Lower	Upper
96	100		
61	170.4	137.9	206.9
98	60.6	53.5	80.3





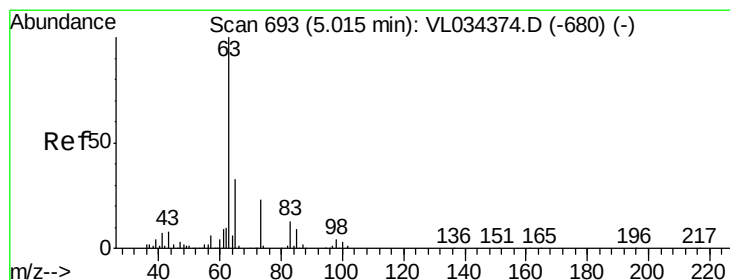
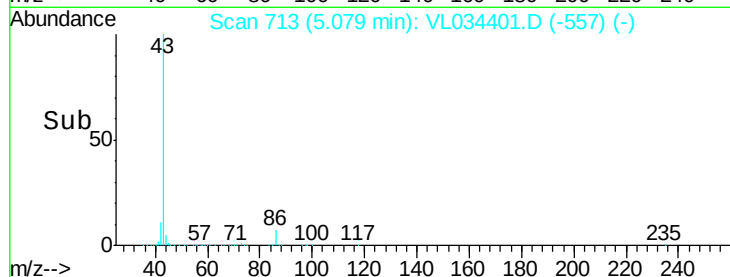
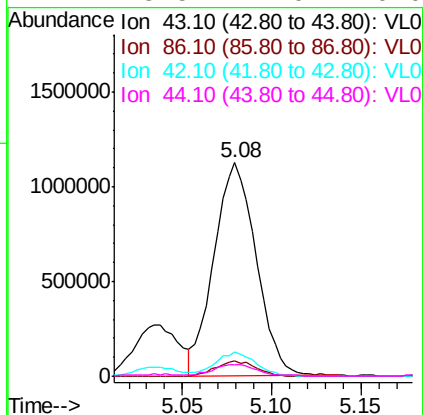
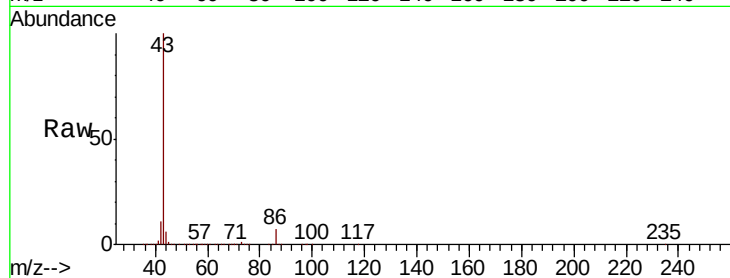
#23
 Vinyl Acetate
 Concen: 9.959 ppbv
 RT: 5.08 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	43	Resp	1837014
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.8	8.6
42	11.1	8.9	13.3
44	5.5	4.0	6.0

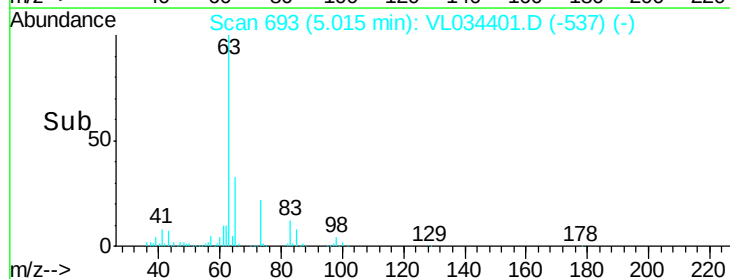
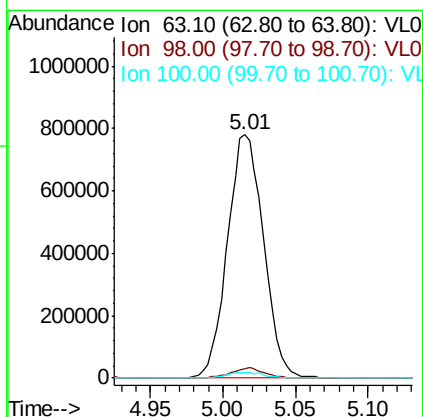
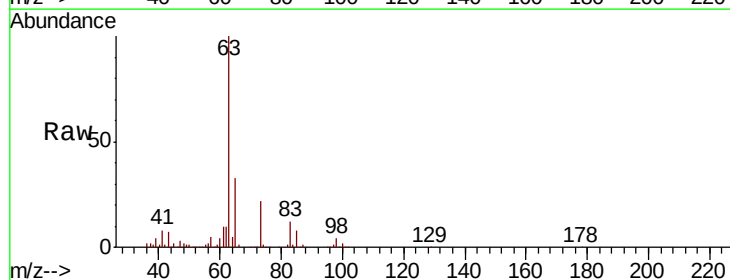
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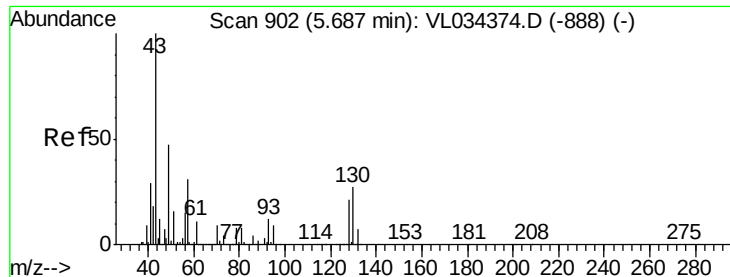
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#24
 1,1-Dichloroethane
 Concen: 9.514 ppbv
 RT: 5.01 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion	63	Resp	1348080
Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.9	5.7
100	2.1	1.4	4.0





#25

Ethyl Acetate

Concen: 9.331 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2351040

Ion Ratio Lower Upper

43 100

45 10.6 8.2 12.4

61 9.9 7.5 11.3

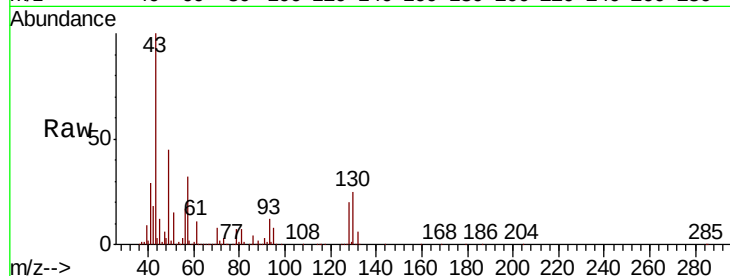
70 7.2 5.7 8.5

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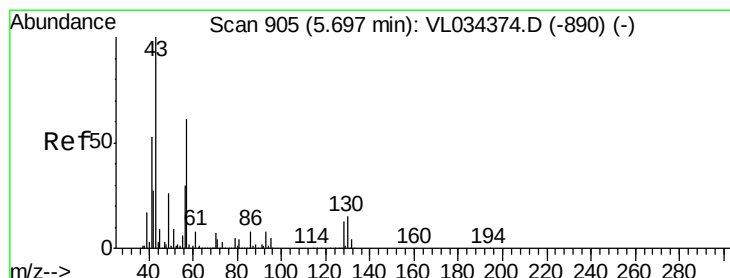
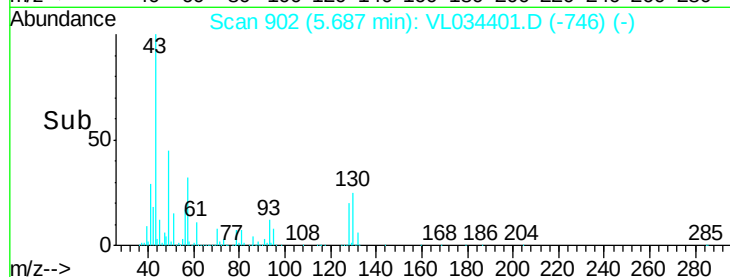
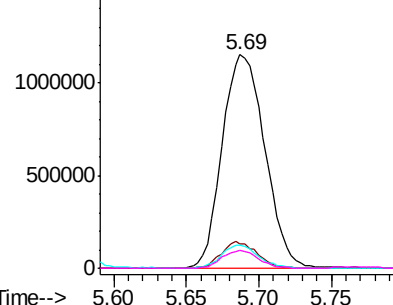


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.325 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion: 57 Resp: 1009640

Ion Ratio Lower Upper

57 100

41 93.5 75.0 112.4

43 233.8 186.6 279.8

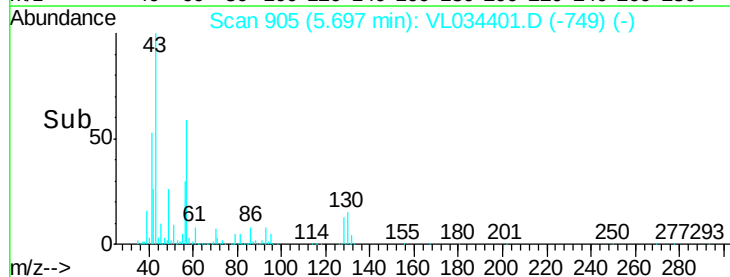
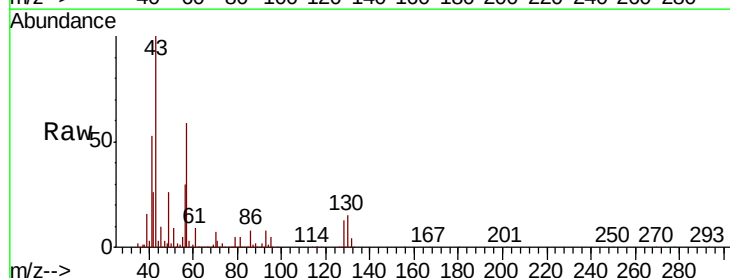
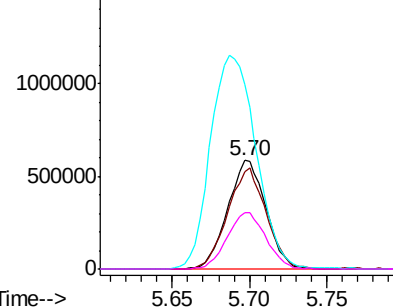
56 52.9 41.5 62.3

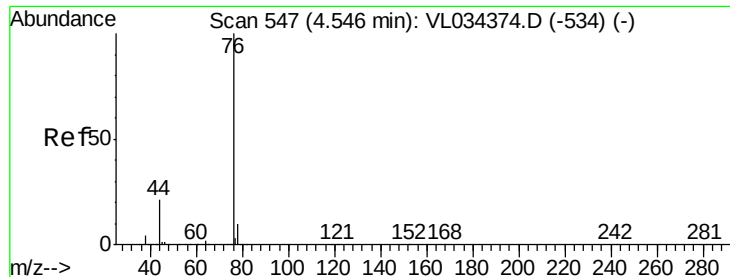
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.153 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1315267

Ion Ratio Lower Upper

76 100

44 20.1 17.0 25.4

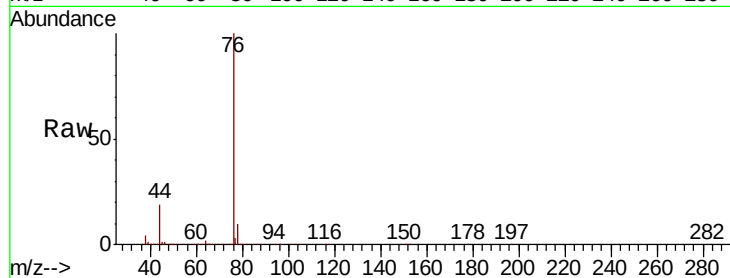
78 9.8 7.6 11.4

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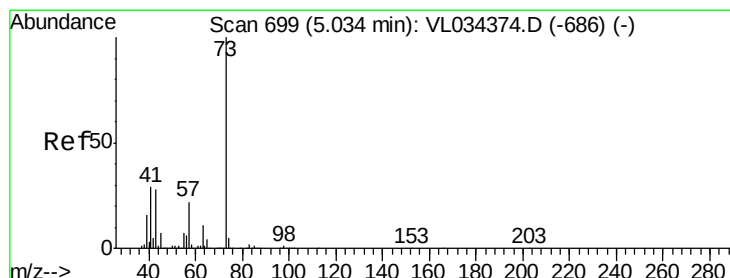
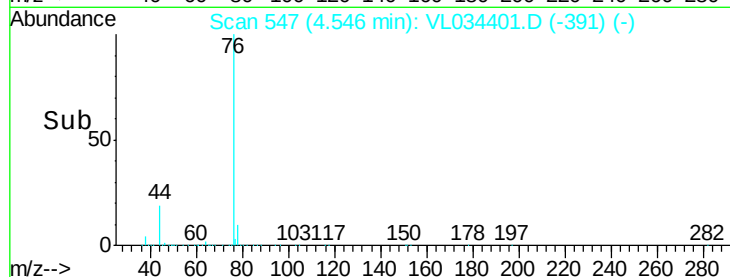
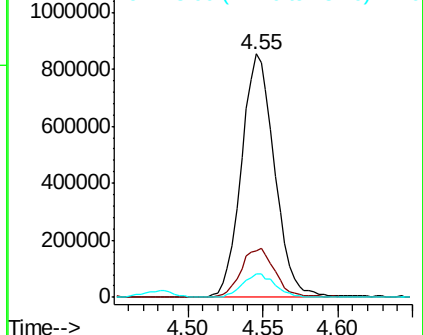
12/2/2019 9:19:29 AM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.594 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL034401.D

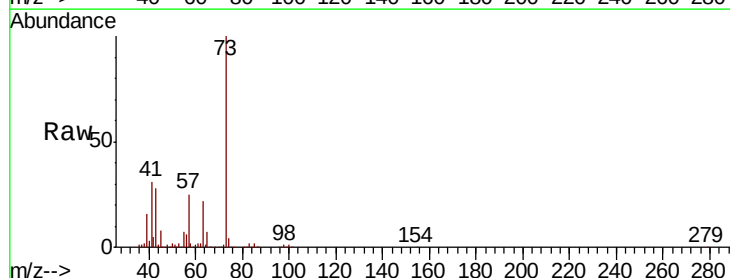
Acq: 25 Nov 2019 10:06

Tgt Ion: 73 Resp: 1722343

Ion Ratio Lower Upper

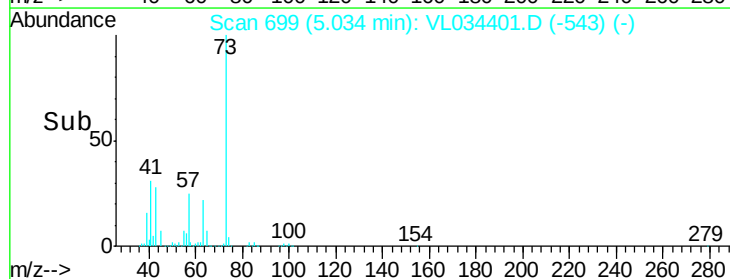
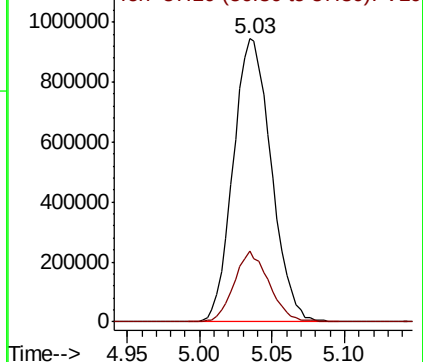
73 100

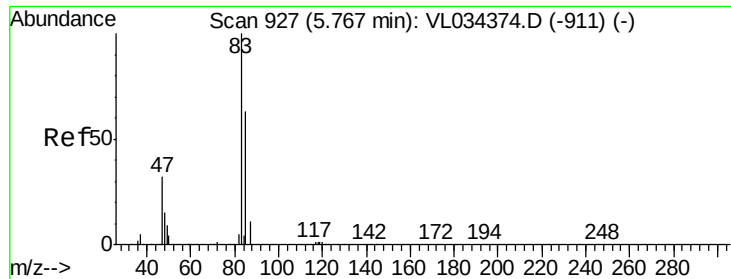
57 23.1 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





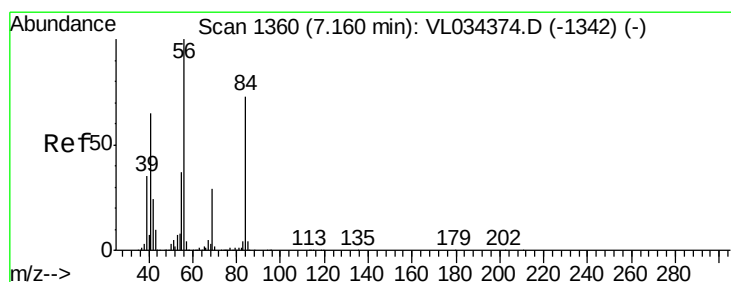
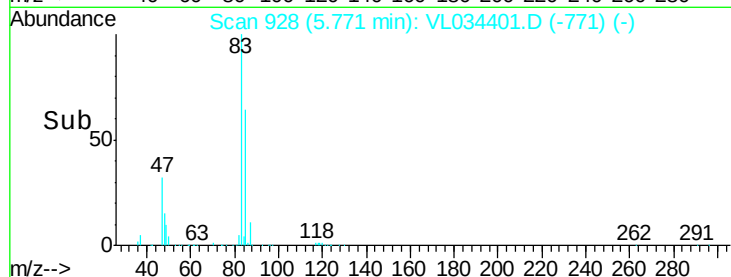
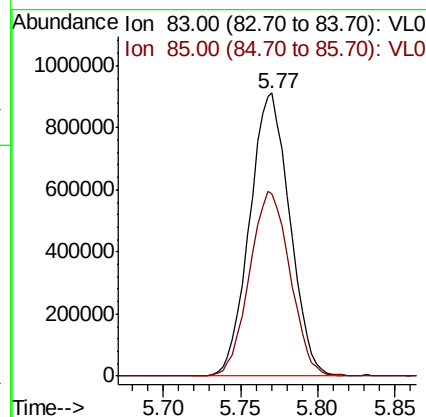
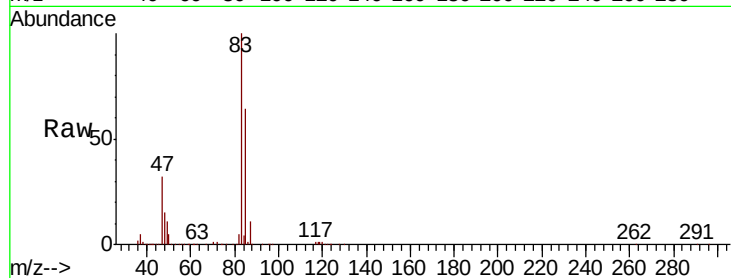
#29
Chloroform
Concen: 9.398 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1647812
Ion Ratio Lower Upper
83 100
85 64.3 50.4 75.6

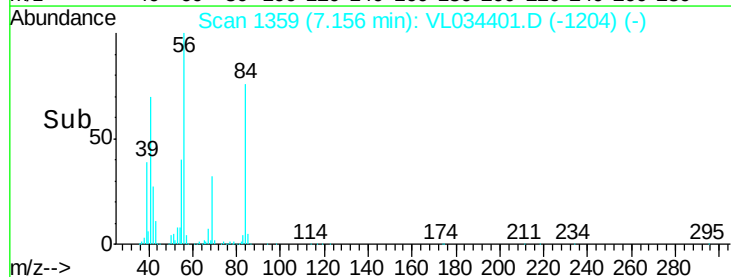
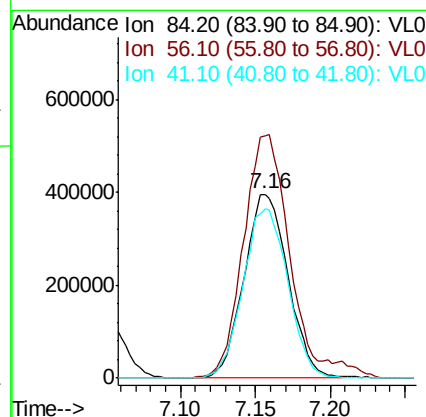
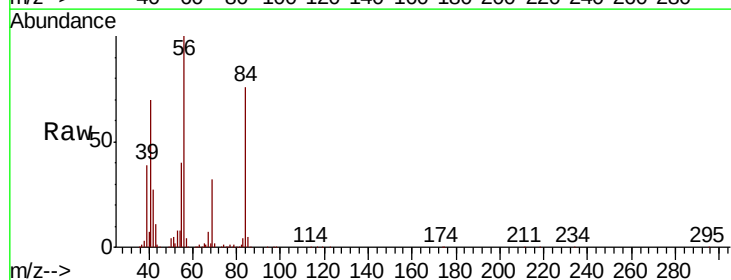
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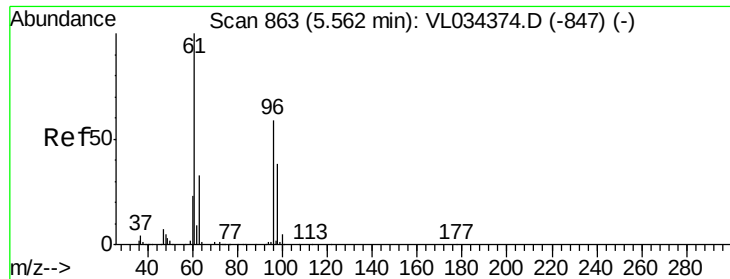
apatel
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#30
Cyclohexane
Concen: 9.908 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 84 Resp: 811000
Ion Ratio Lower Upper
84 100
56 141.5 112.6 169.0
41 94.0 73.4 110.2





#31

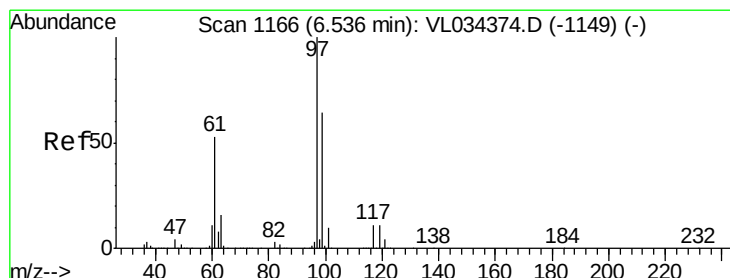
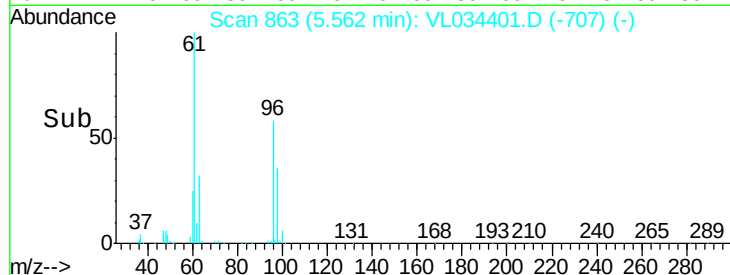
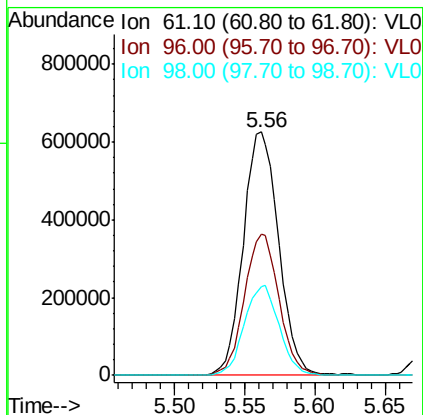
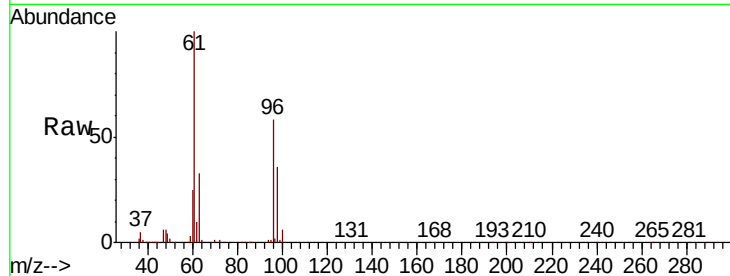
cis-1,2-Dichloroethene
 Concen: 9.828 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	58.2	47.4	71.2
98	36.4	30.6	45.8

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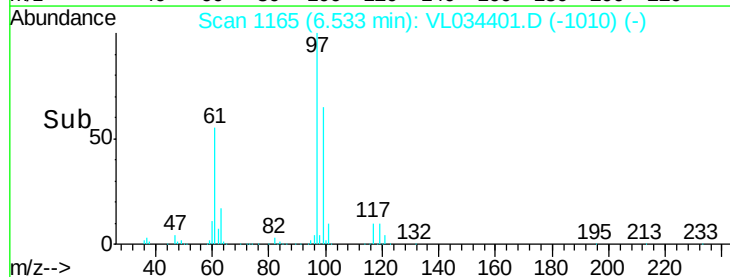
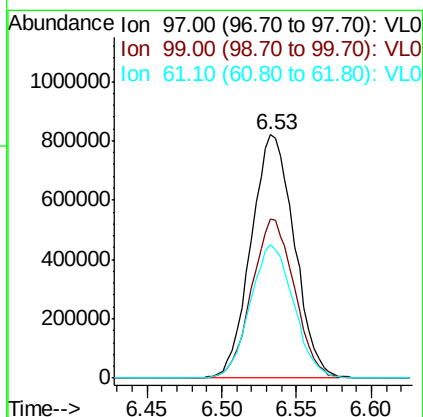
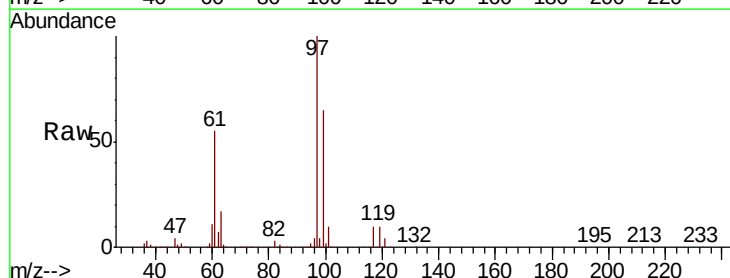
apatel
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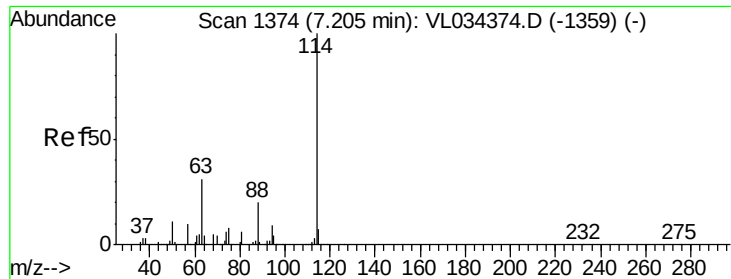


#32

1,1,1-Trichloroethane
 Concen: 10.056 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.3	78.5
61	55.0	43.7	65.5





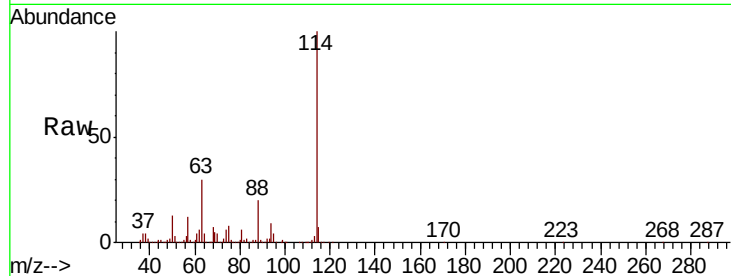
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.2	36.4
88	19.8	15.9	23.9

Manual Integrations
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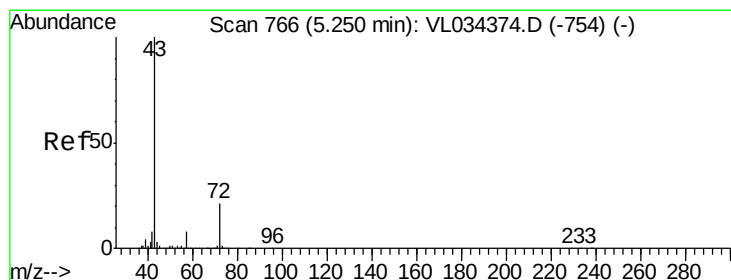
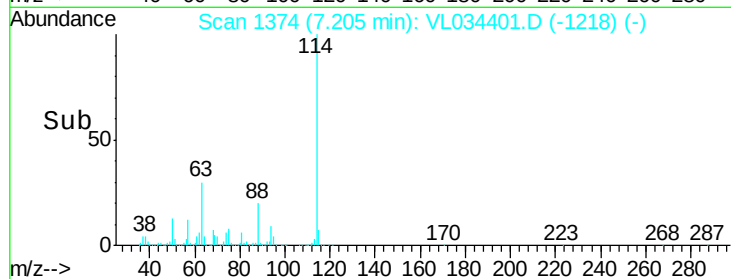
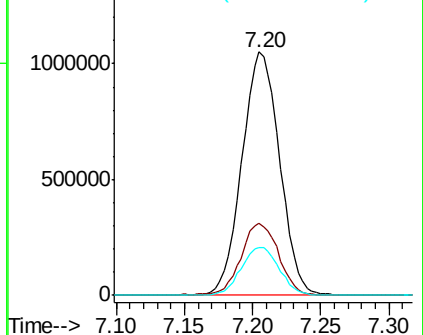
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Abundance Ion 114.10 (113.80 to 114.80): V

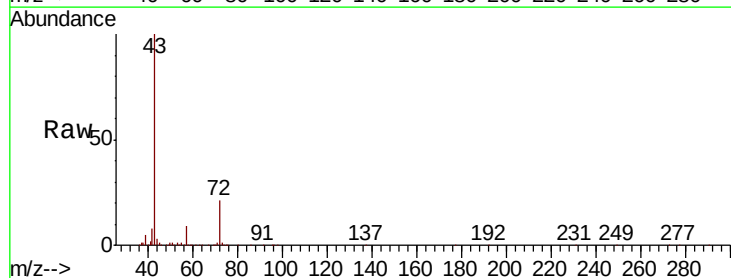
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



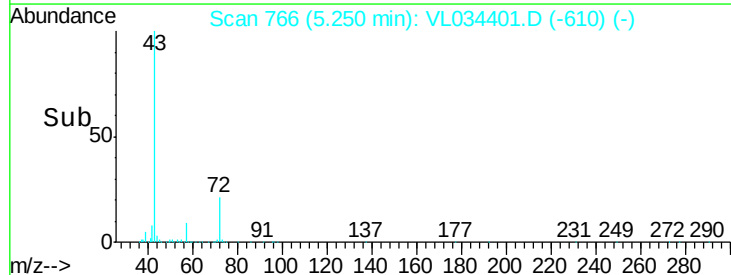
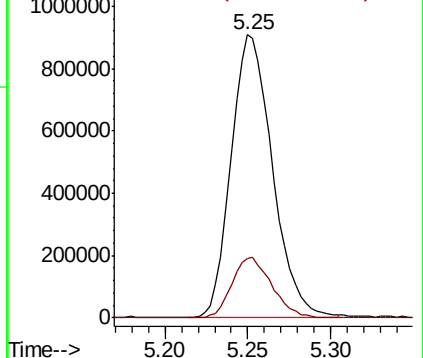
#34
 2-Butanone
 Concen: 9.470 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

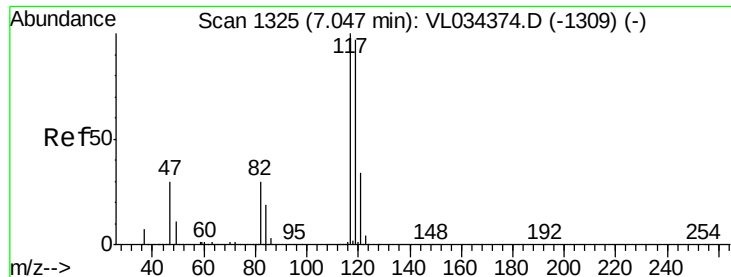
Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.7	17.0	25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.178 ppbv

RT: 7.04 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1760928

Ion Ratio Lower Upper

117 100

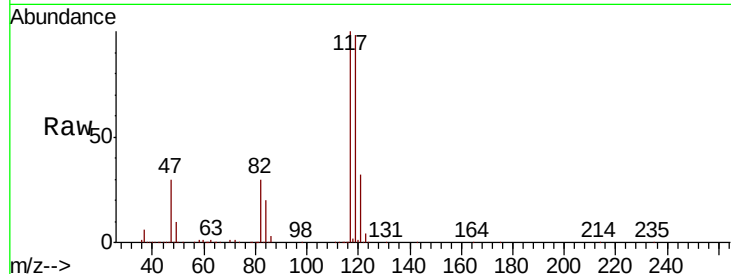
119 98.5 77.3 115.9

121 32.0 27.4 41.2

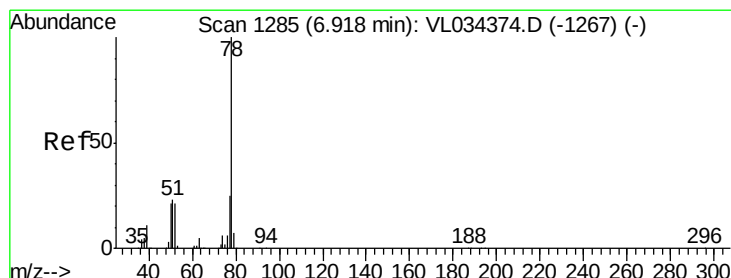
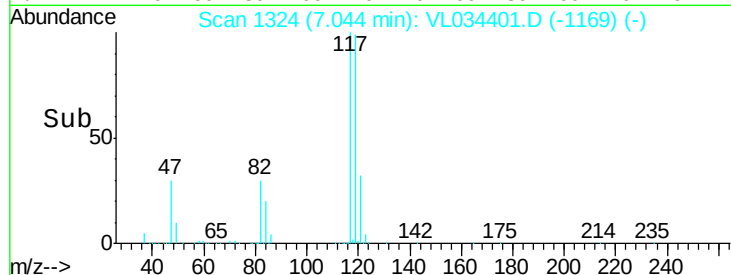
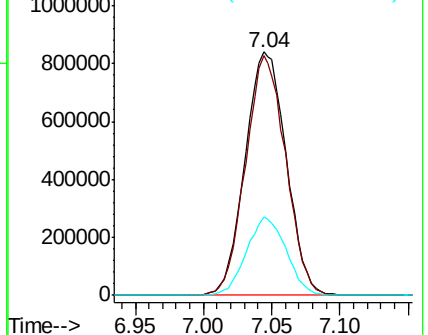
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.579 ppbv

RT: 6.92 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

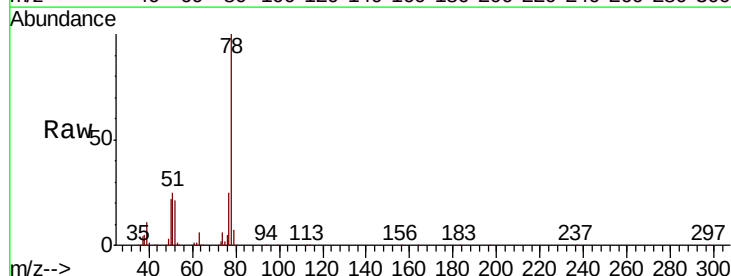
Tgt Ion: 78 Resp: 1926706

Ion Ratio Lower Upper

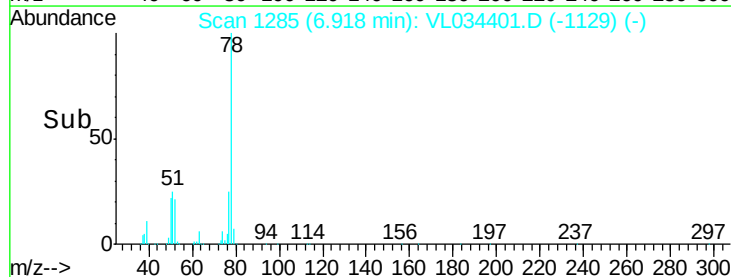
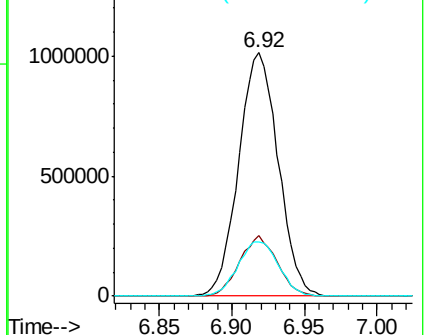
78 100

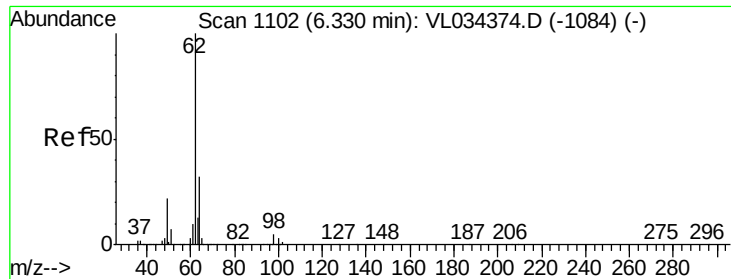
77 25.0 20.2 30.4

50 22.2 17.1 25.7



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





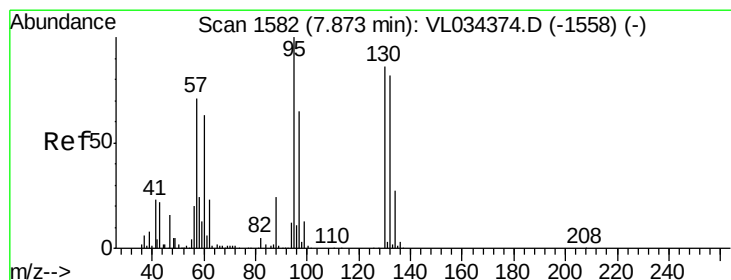
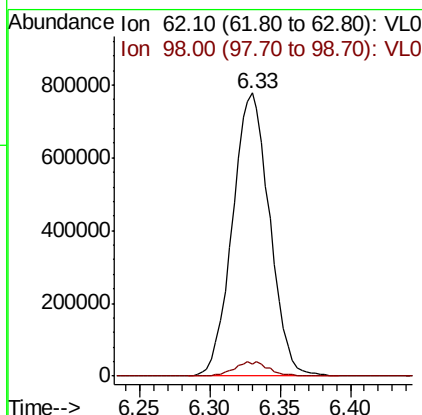
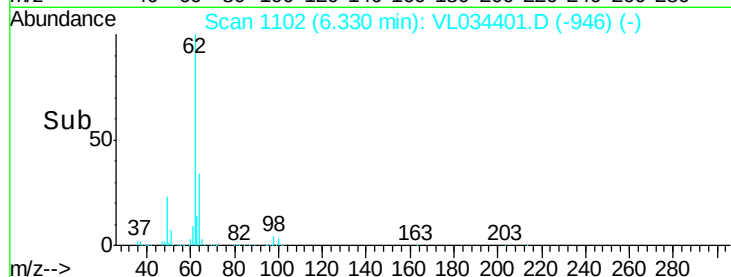
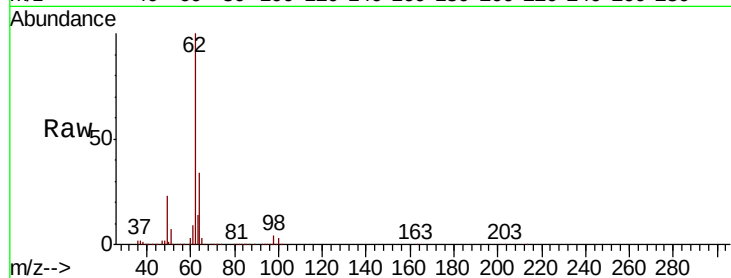
#37
 1,2-Dichloroethane
 Concen: 9.581 ppbv
 RT: 6.33 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1431708
 Ion Ratio Lower Upper
 62 100
 98 4.8 3.8 5.8

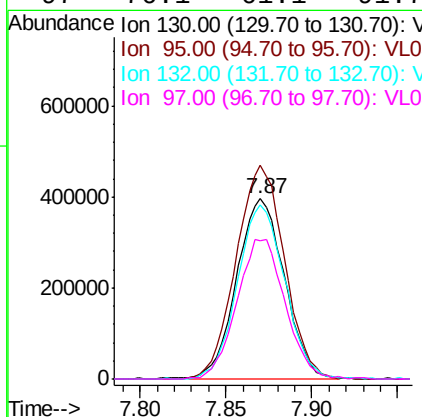
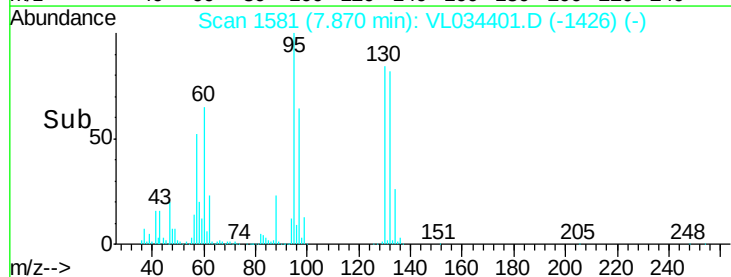
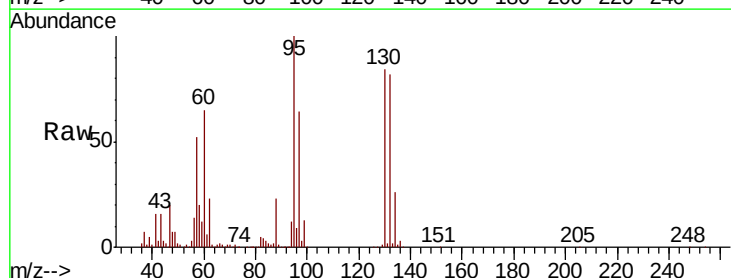
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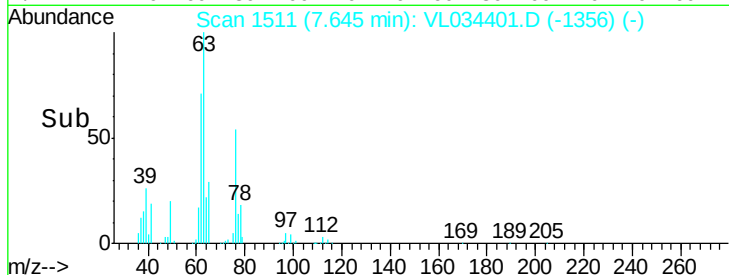
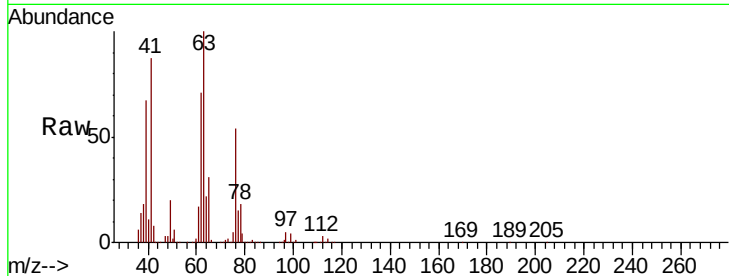
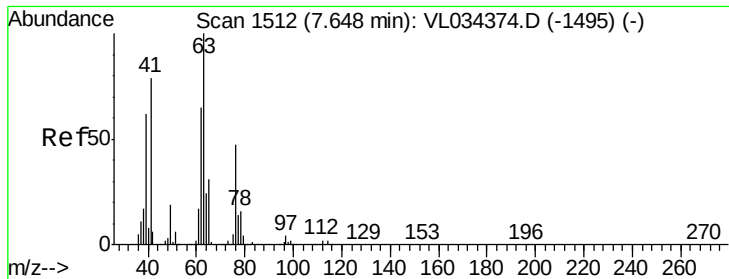
apatel
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#38
 Trichloroethene
 Concen: 9.176 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion: 130 Resp: 757457
 Ion Ratio Lower Upper
 130 100
 95 118.3 93.4 140.0
 132 96.7 76.4 114.6
 97 76.1 61.1 91.7





#39

1,2-Dichloropropane

Concen: 10.190 ppbv

RT: 7.65 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VL034401.D

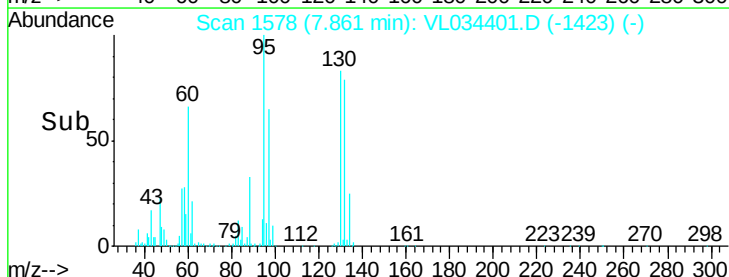
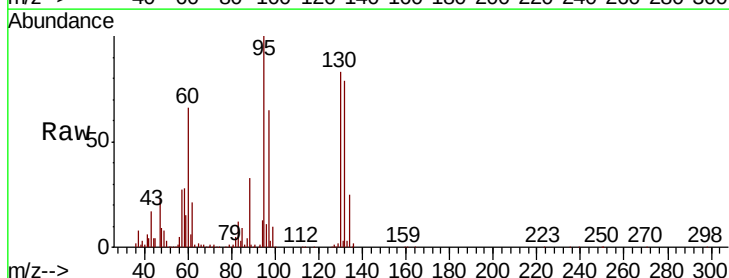
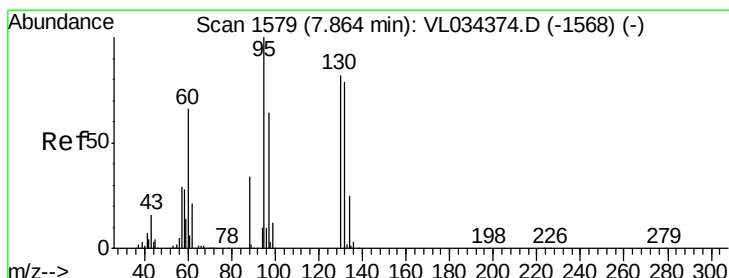
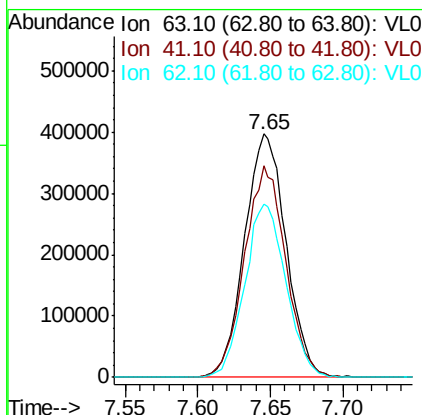
Acq: 25 Nov 2019 10:06

Tot Ion:	63	Resp:	789669
Ion Ratio	Lower	Upper	
63	100		
41	86.9	63.1	94.7
62	71.0	52.3	78.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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#40

1,4-Dioxane

Concen: 7.910 ppbv

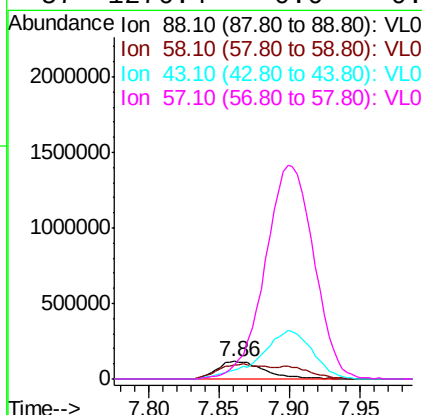
RT: 7.86 min Scan# 1578

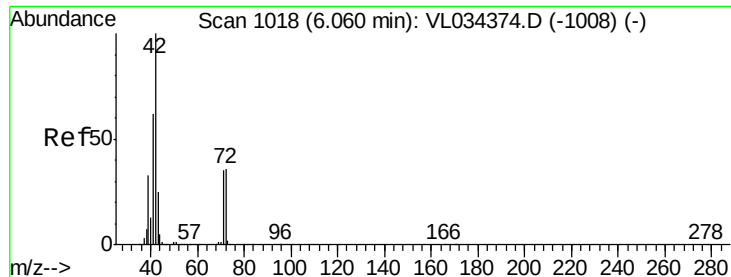
Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion:	88	Resp:	267778
Ion Ratio	Lower	Upper	
88	100		
58	140.9	109.5	164.3
43	308.3	0.0	0.0#
57	1276.4	0.0	0.0#





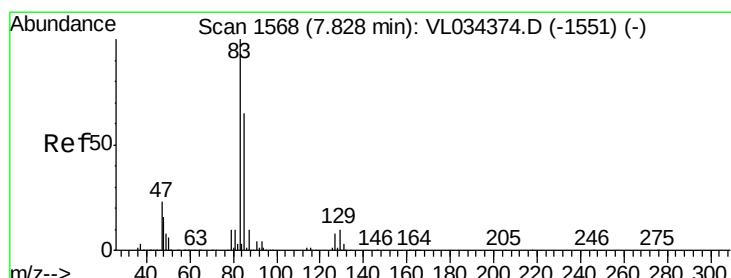
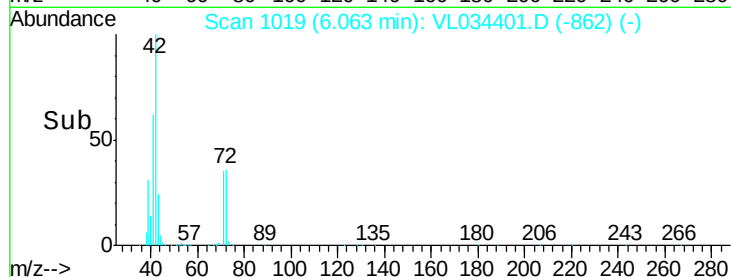
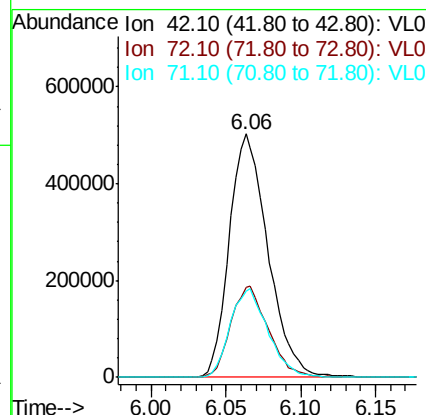
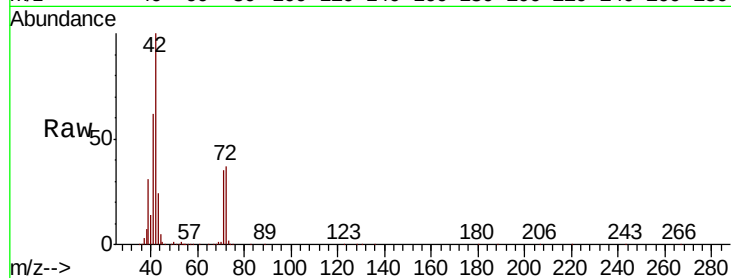
#41
Tetrahydrofuran
Concen: 9.726 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	30.2	45.4
71	36.0	29.4	44.2

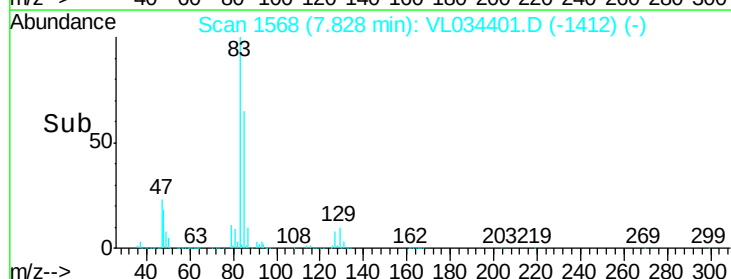
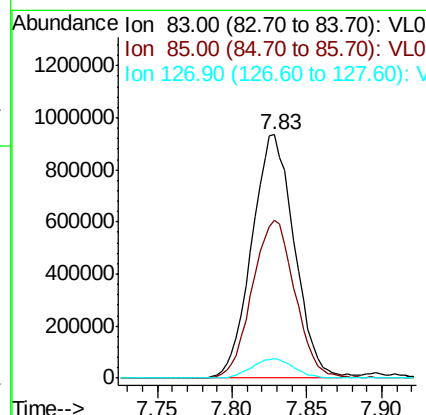
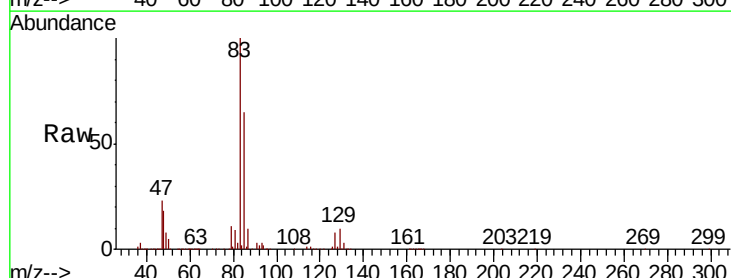
Manual Integrations
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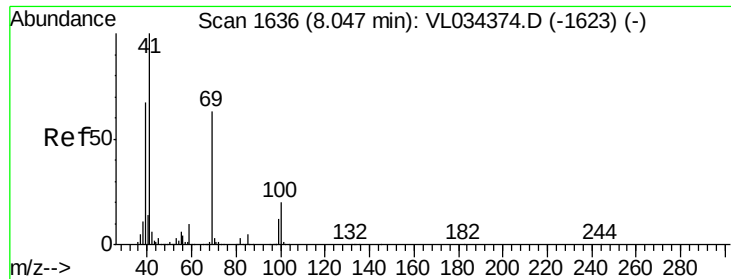
apatel
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#42
Bromodichloromethane
Concen: 9.892 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.3	78.5
127	8.3	6.1	9.1





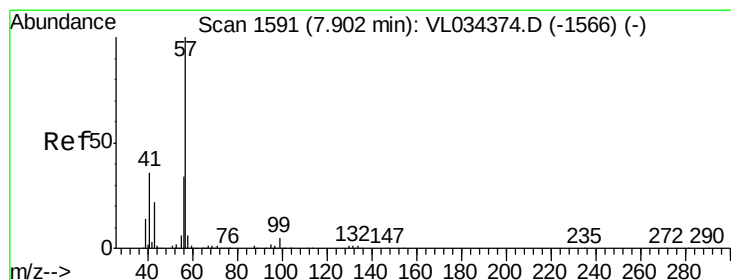
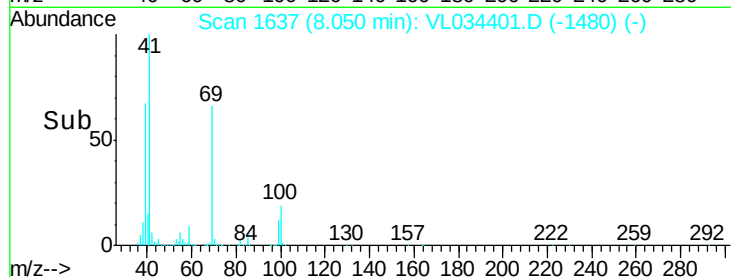
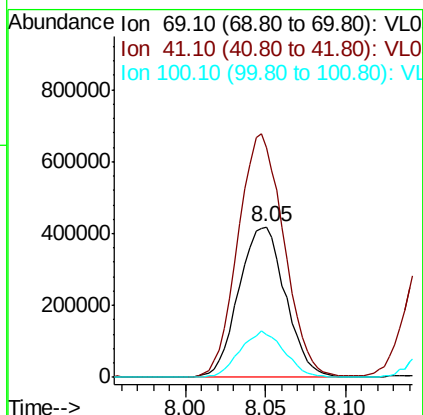
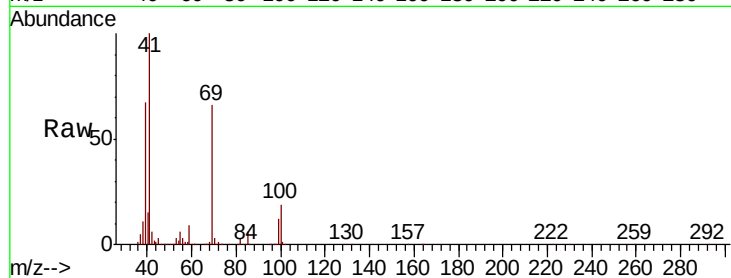
#43
Methyl Methacrylate
Concen: 9.979 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	159.8	127.4	191.2	
100	29.3	24.2	36.4	

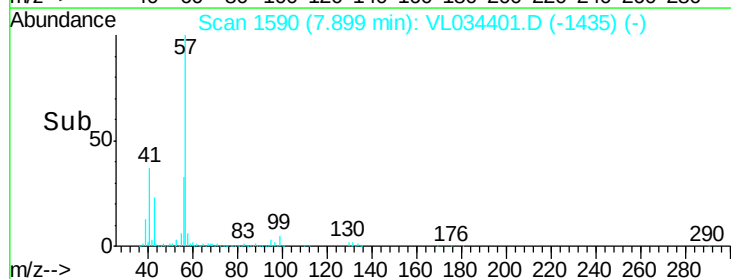
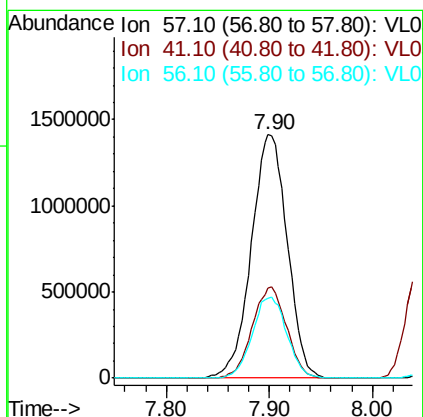
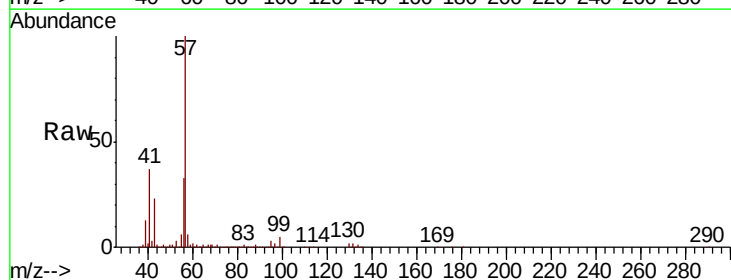
Manual Integrations
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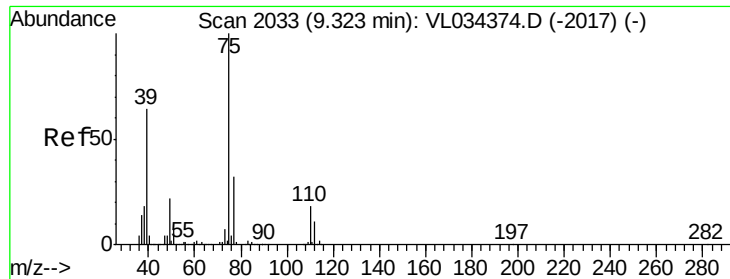
apatel
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#44
2,2,4-Trimethylpentane
Concen: 9.287 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.7	28.6	42.8	
56	31.9	25.3	37.9	





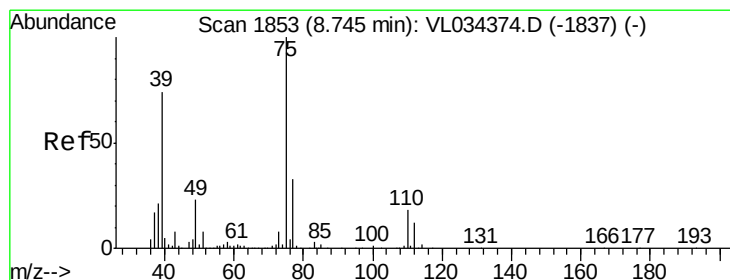
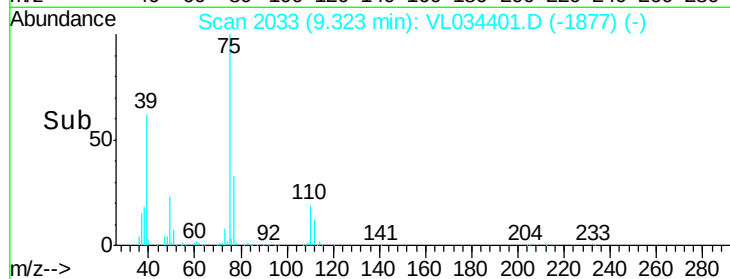
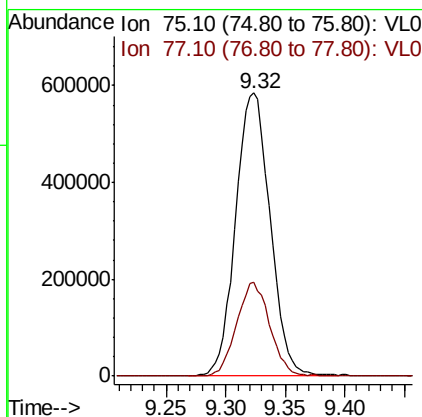
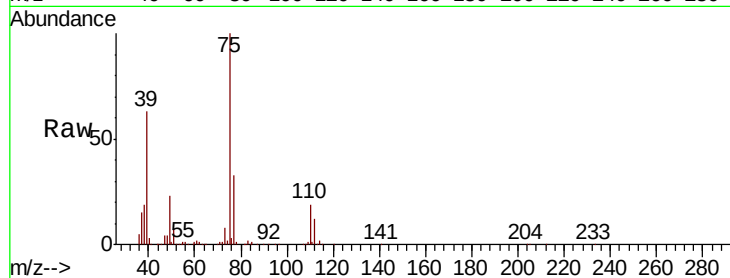
#45
t-1,3-Dichloropropene
Concen: 10.991 ppbv
RT: 9.32 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1175996
Ion Ratio Lower Upper
75 100
77 33.3 25.4 38.2

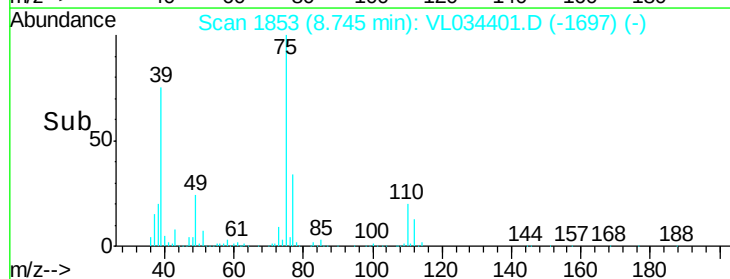
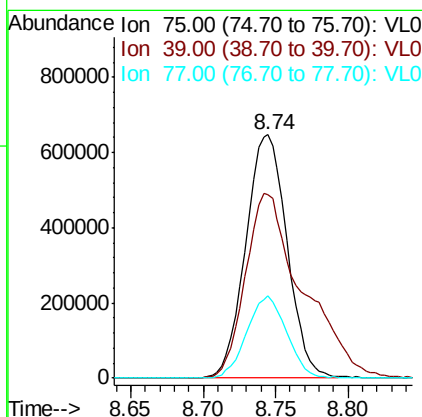
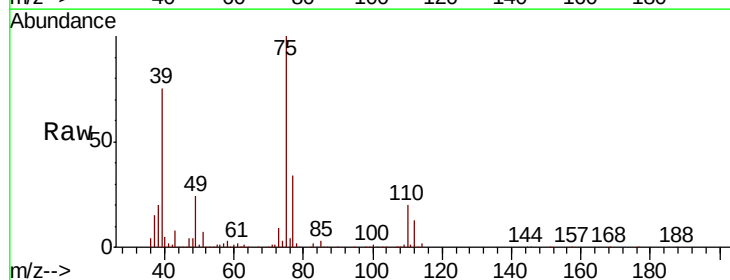
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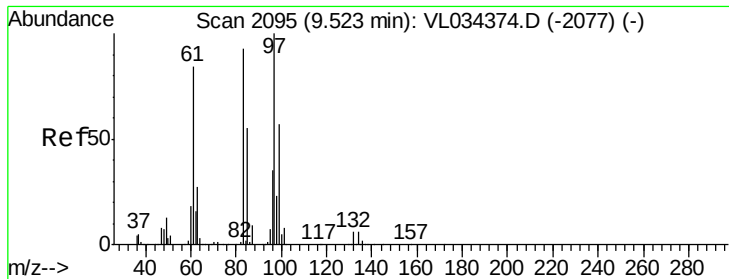
apatel
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#46
cis-1,3-Dichloropropene
Concen: 10.689 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 75 Resp: 1284614
Ion Ratio Lower Upper
75 100
39 75.3 59.0 88.6
77 33.9 26.4 39.6





#47

1,1,2-Trichloroethane

Concen: 9.535 ppbv

RT: 9.52 min Scan# 2095

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

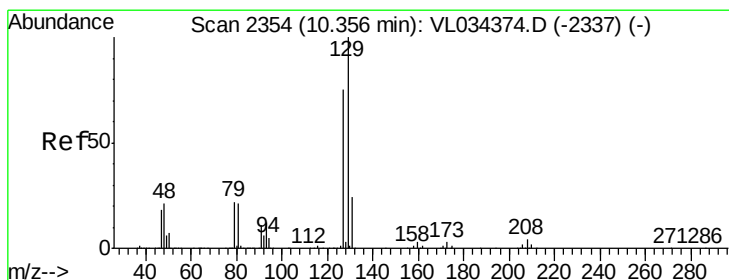
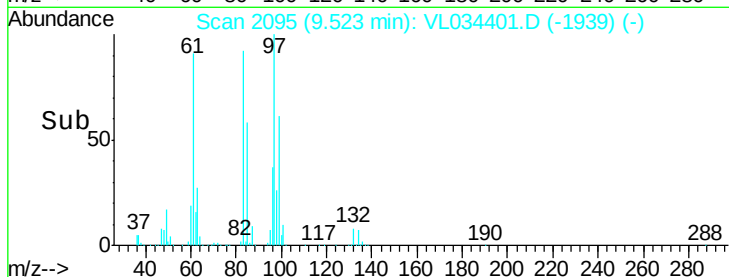
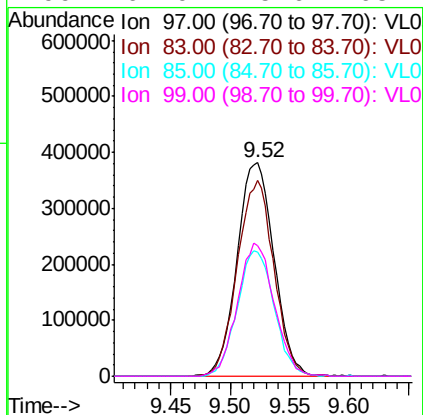
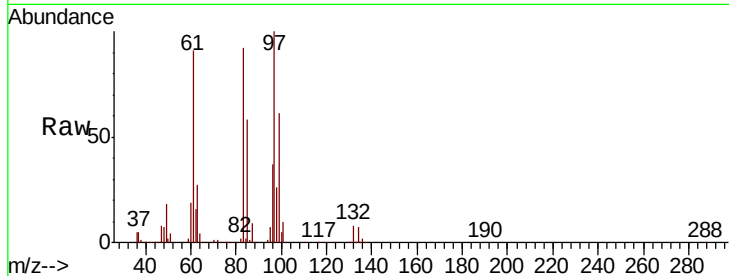
ClientSampleId :

VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.5	74.6	112.0	
85	58.2	43.8	65.8	
99	61.0	45.6	68.4	

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#48

Dibromochloromethane

Concen: 10.473 ppbv

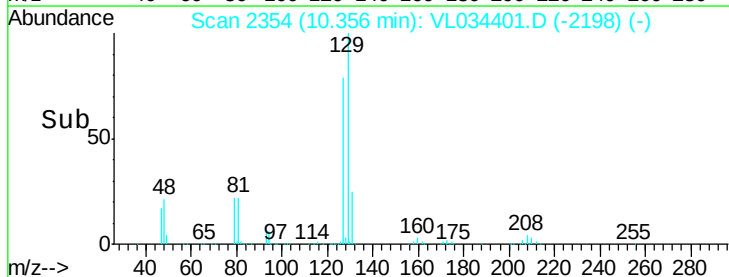
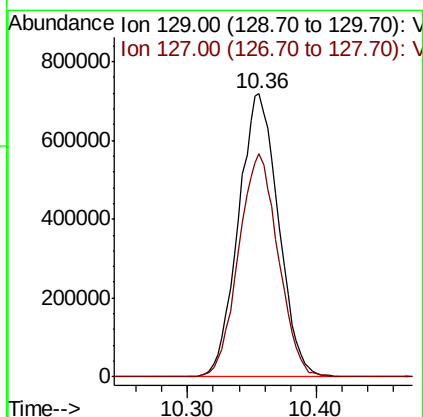
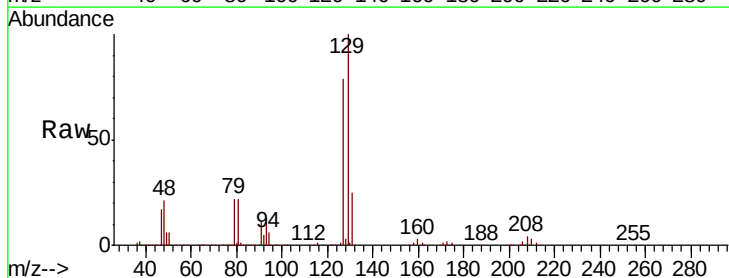
RT: 10.36 min Scan# 2354

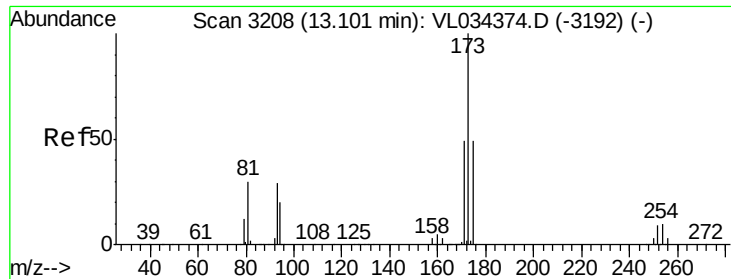
Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.1	39.1	117.5	





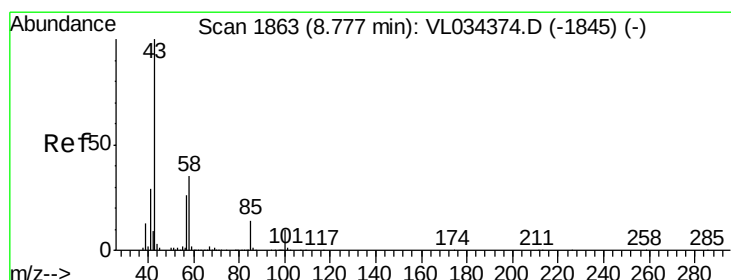
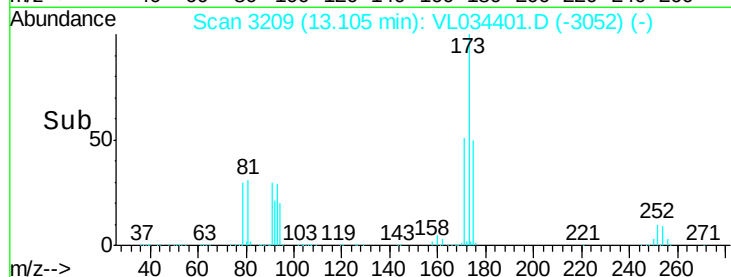
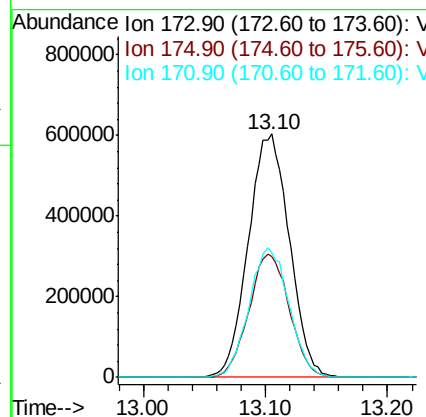
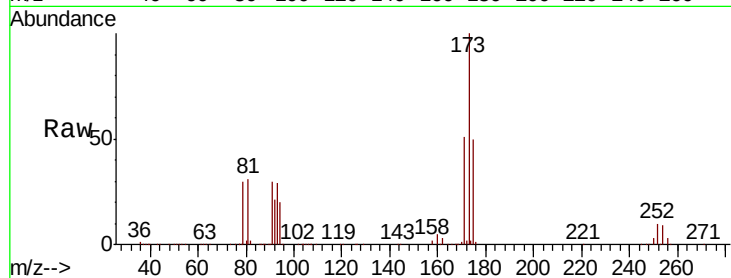
#49
Bromoform
Concen: 10.624 ppbv
RT: 13.10 min Scan# 3209
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1403624
Ion Ratio Lower Upper
173 100
175 50.1 39.3 58.9
171 52.2 42.4 63.6

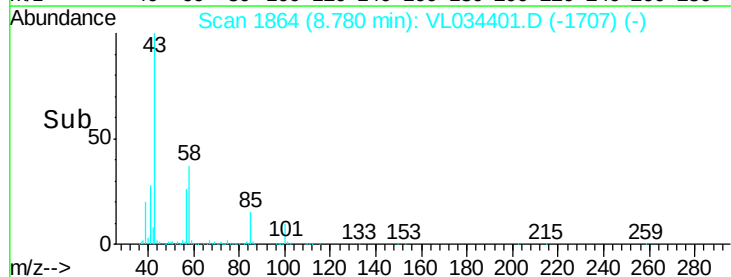
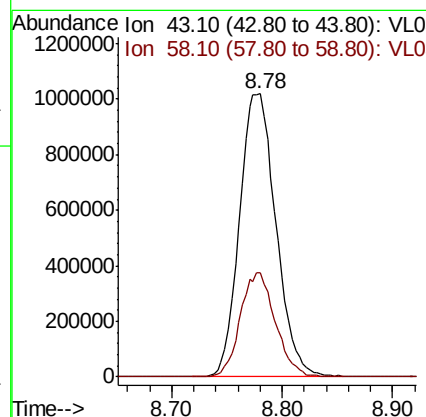
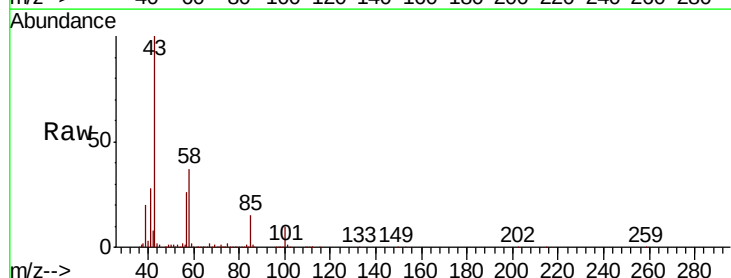
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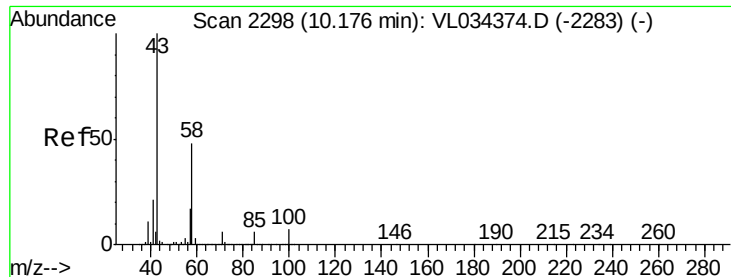
apatel
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#50
4-Methyl-2-Pentanone
Concen: 9.729 ppbv
RT: 8.78 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 43 Resp: 2331496
Ion Ratio Lower Upper
43 100
58 35.4 27.9 41.9





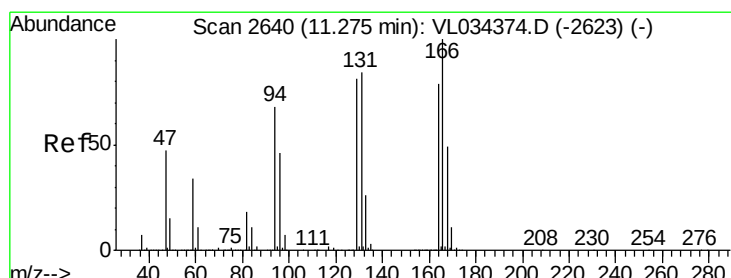
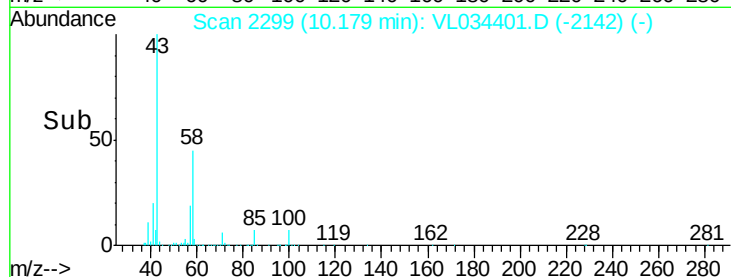
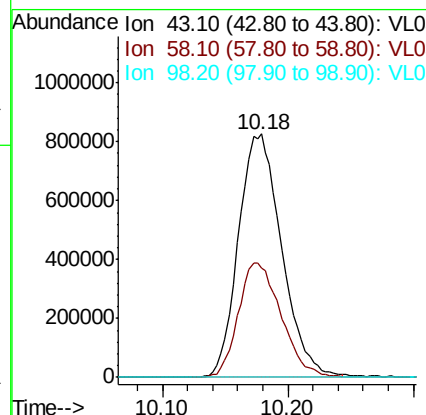
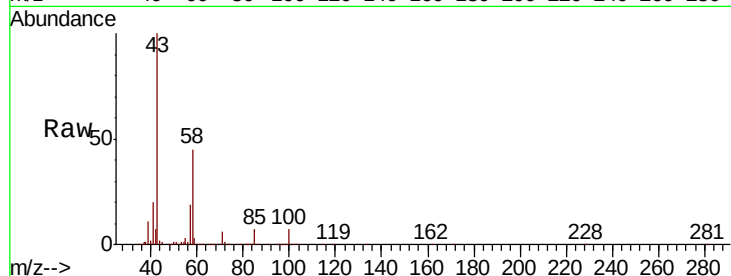
#51
2-Hexanone
Concen: 9.844 ppbv
RT: 10.18 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1975930
Ion Ratio Lower Upper
43 100
58 46.9 38.2 57.4
98 0.3 0.2 0.2#

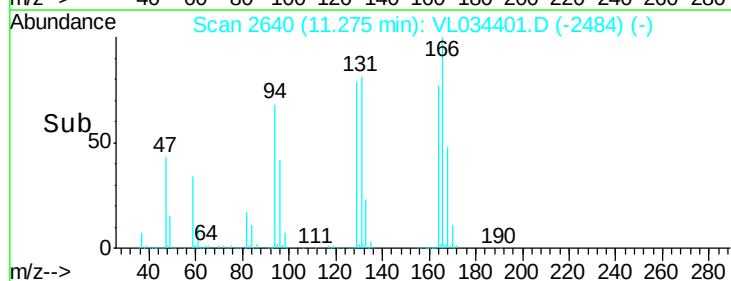
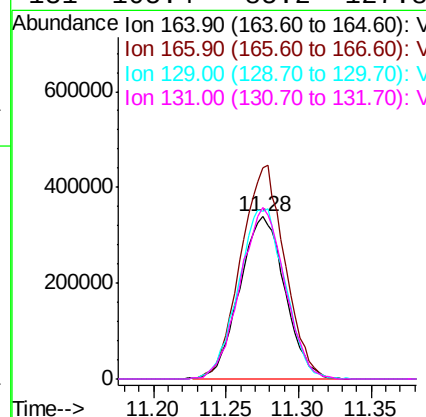
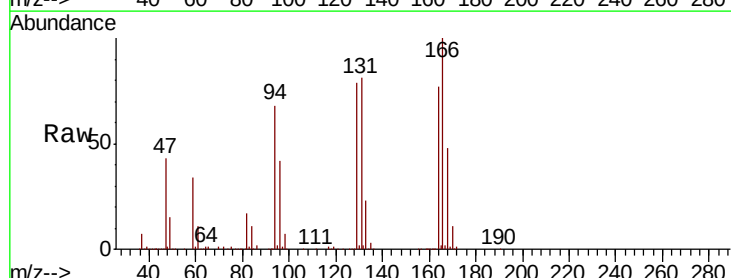
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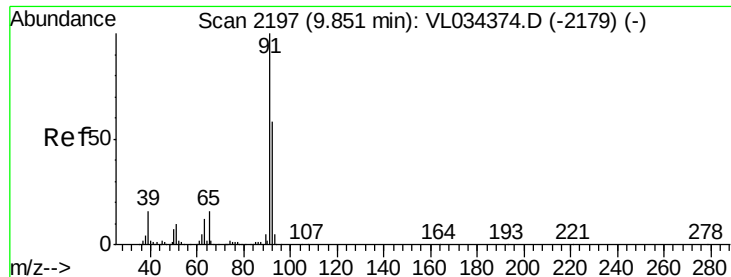
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#52
Tetrachloroethene
Concen: 8.439 ppbv
RT: 11.28 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 164 Resp: 734492
Ion Ratio Lower Upper
164 100
166 130.3 101.7 152.5
129 103.5 82.6 123.8
131 105.4 85.2 127.8





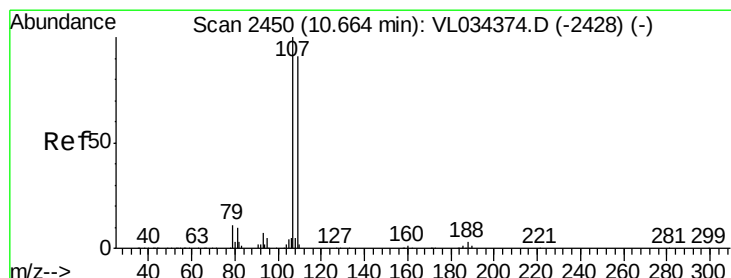
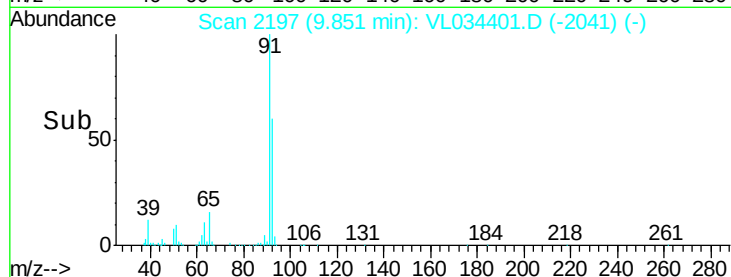
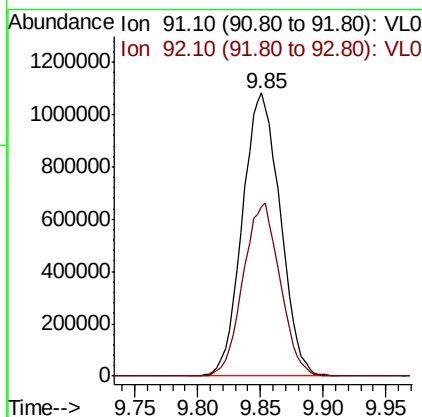
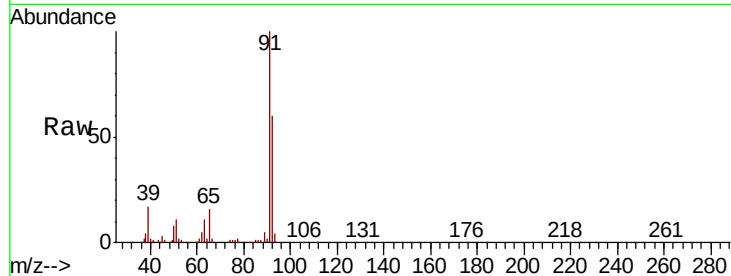
#53
Toluene
Concen: 9.918 ppbv
RT: 9.85 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 2266031
Ion Ratio Lower Upper
91 100
92 59.9 47.9 71.9

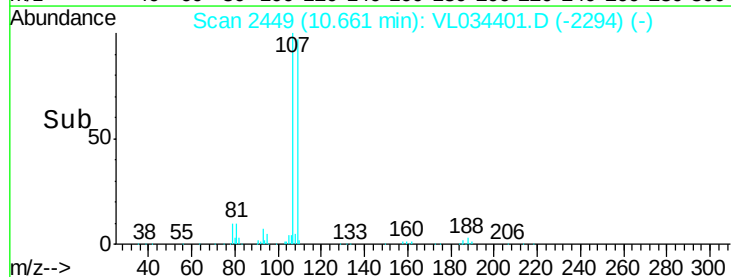
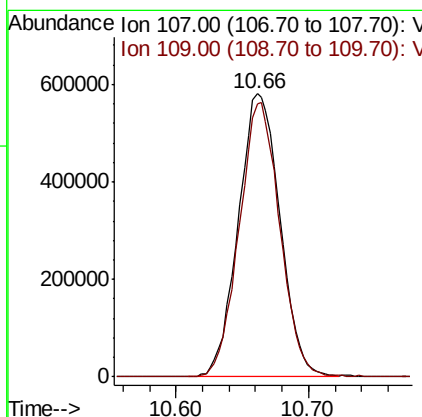
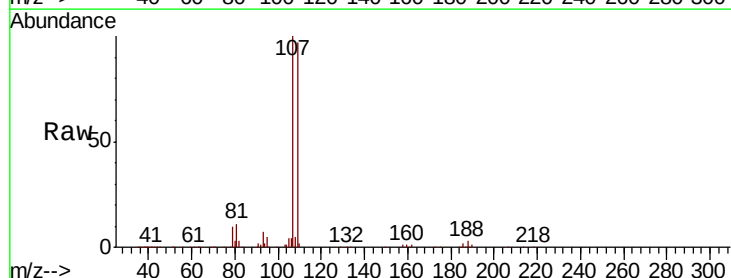
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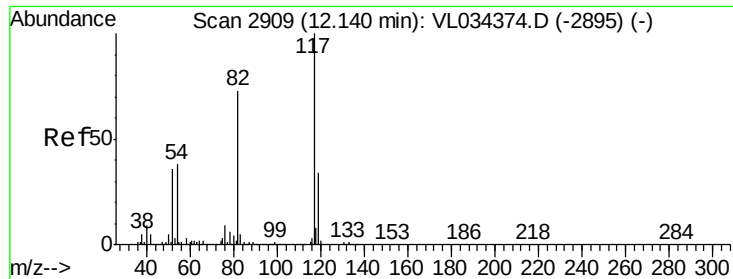
apatel
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#54
1,2-Dibromoethane
Concen: 9.562 ppbv
RT: 10.66 min Scan# 2449
Delta R.T. -0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 107 Resp: 1263658
Ion Ratio Lower Upper
107 100
109 96.6 73.0 109.4





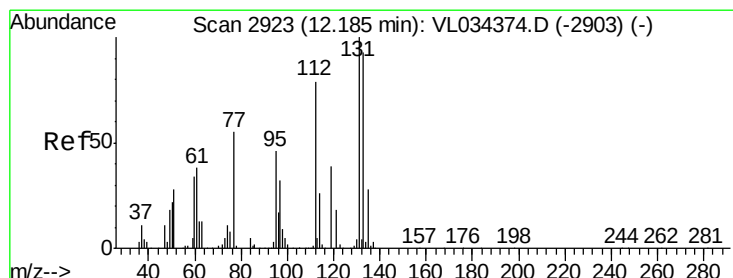
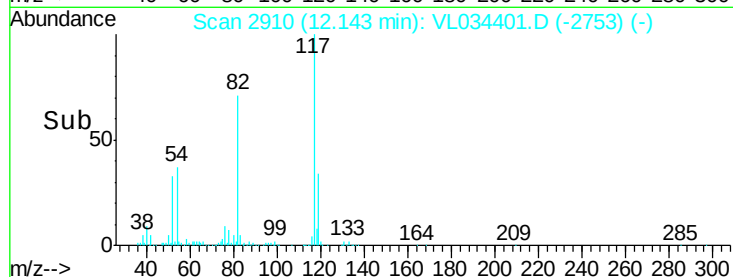
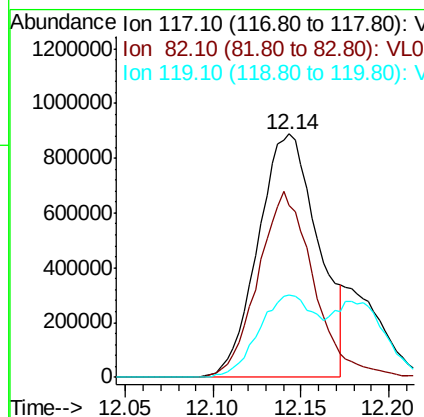
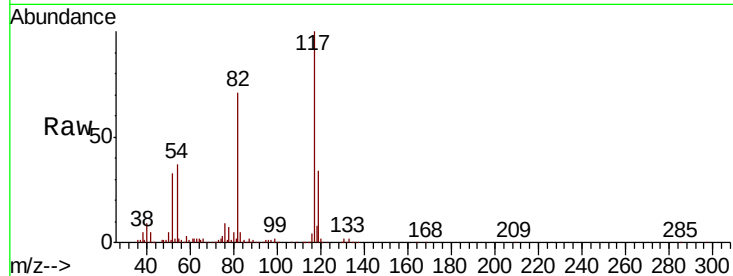
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.1	57.5	86.3
119	30.1	25.4	38.2

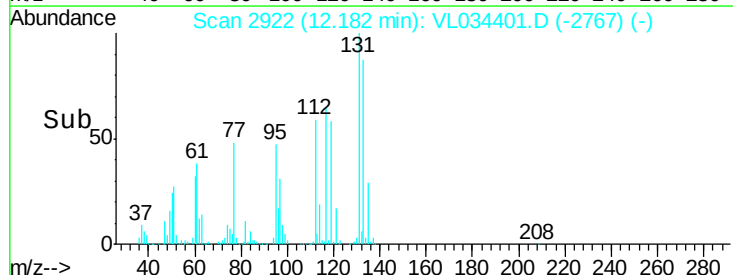
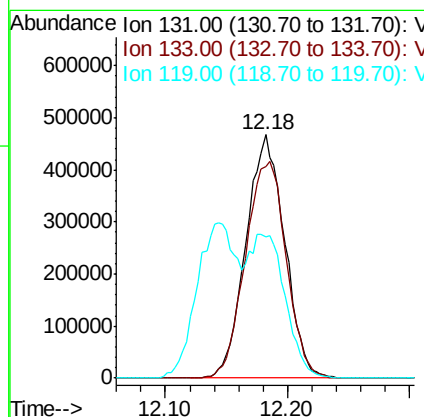
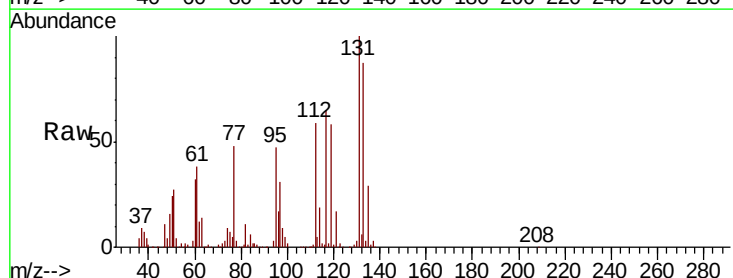
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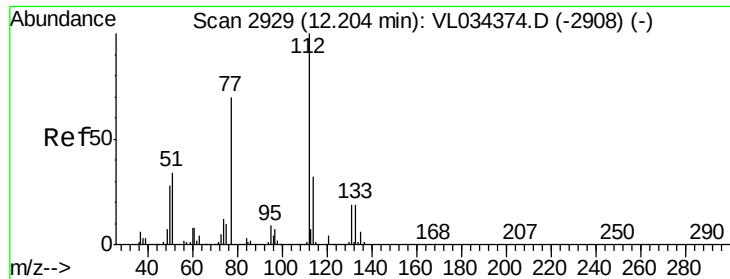
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.886 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. -0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	76.2	114.2
119	61.6	44.6	67.0





#57

Chlorobenzene

Concen: 9.027 ppbv

RT: 12.20 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 1723343

Ion Ratio Lower Upper

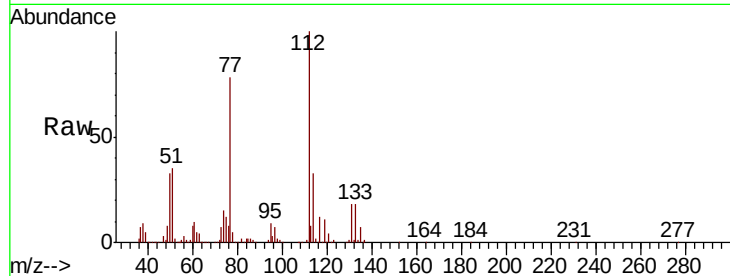
112 100

77 77.1 57.1 85.7

114 32.8 28.5 34.9

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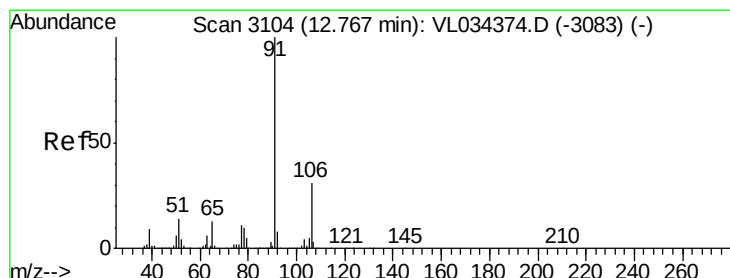
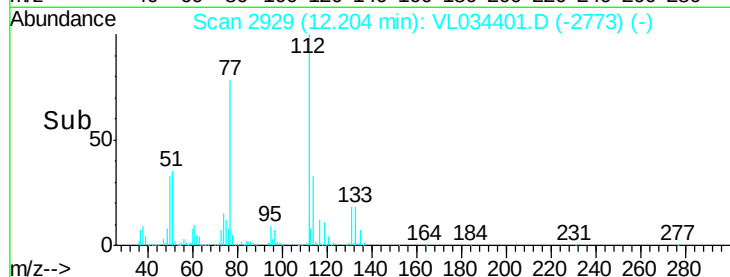
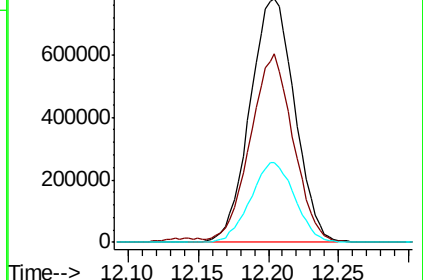
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.482 ppbv

RT: 12.76 min Scan# 3103

Delta R.T. -0.00 min

Lab File: VL034401.D

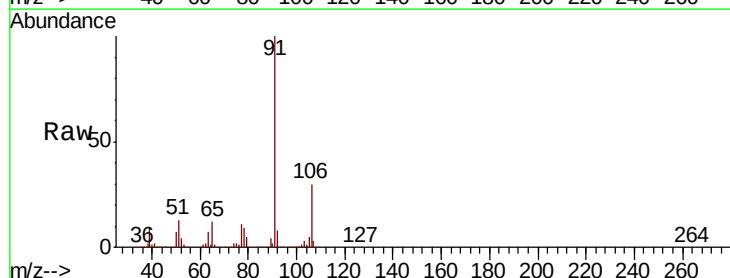
Acq: 25 Nov 2019 10:06

Tgt Ion: 91 Resp: 3107591

Ion Ratio Lower Upper

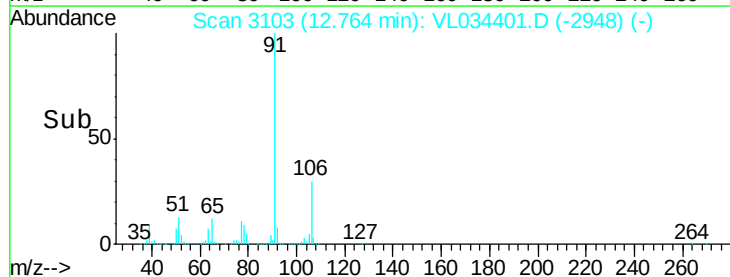
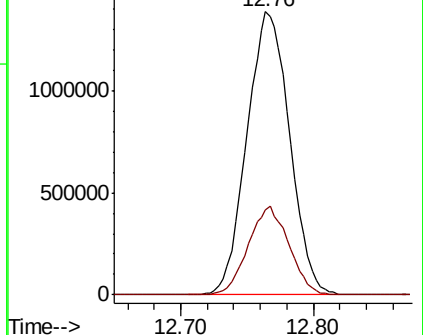
91 100

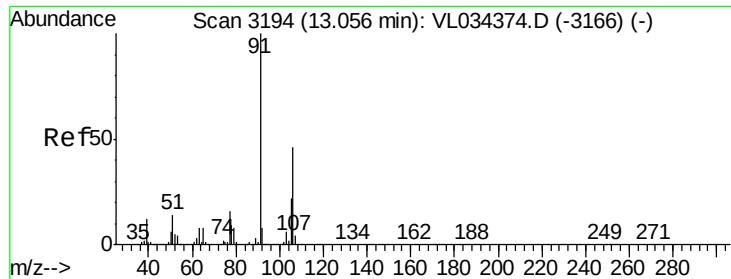
106 29.9 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





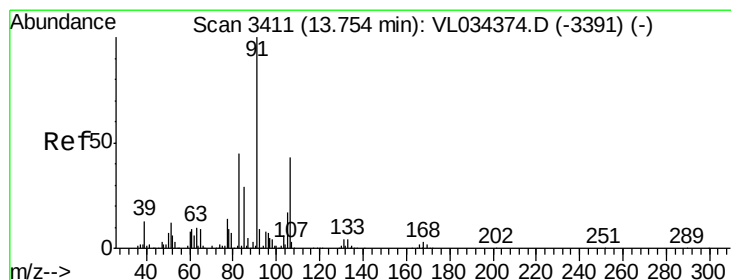
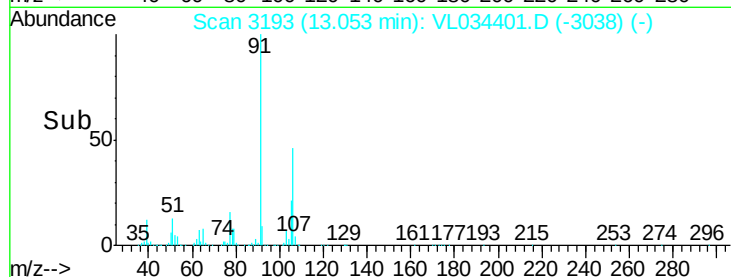
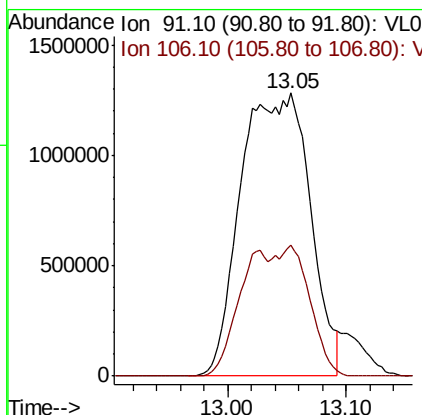
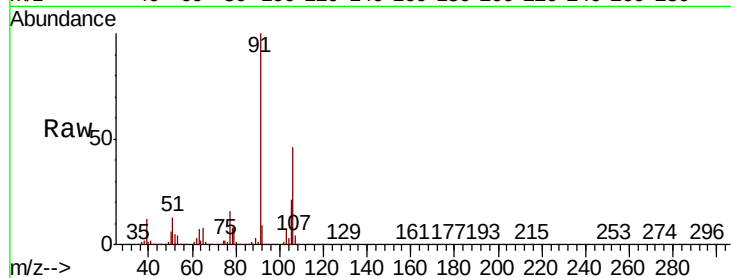
#59
m/p-Xylene
Concen: 18.180 ppbv m
RT: 13.05 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 5150116
Ion Ratio Lower Upper
91 100
106 44.3 34.6 51.8

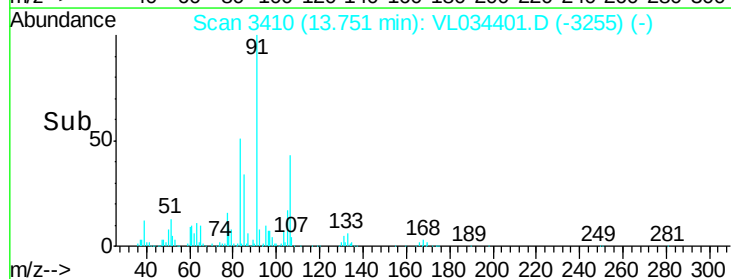
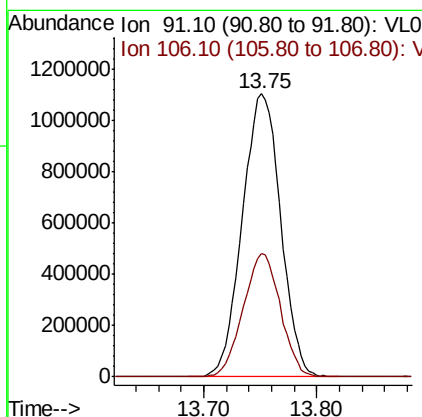
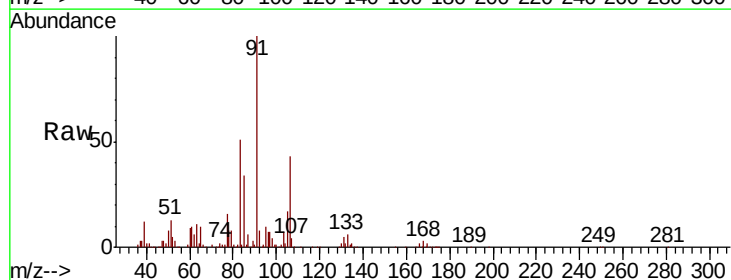
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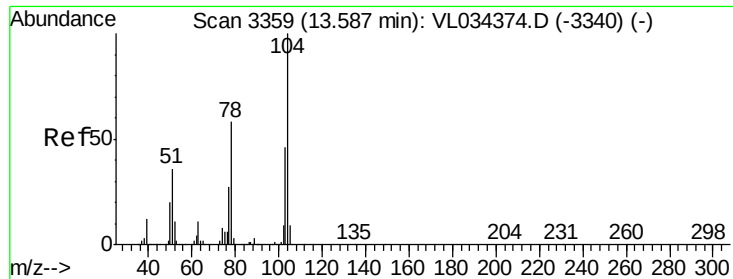
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#60
o-Xylene
Concen: 9.296 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 91 Resp: 2603785
Ion Ratio Lower Upper
91 100
106 42.3 21.3 64.0





#61

Stvrene

Concen: 9.575 ppbv

RT: 13.59 min Scan# 3359

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

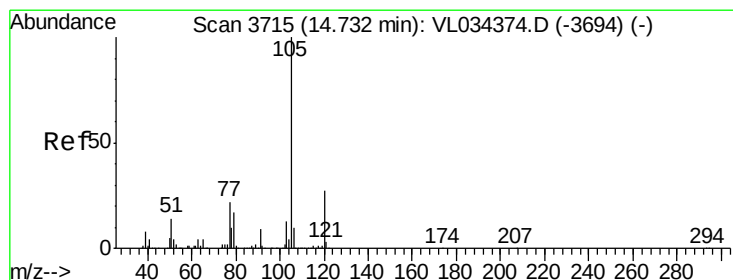
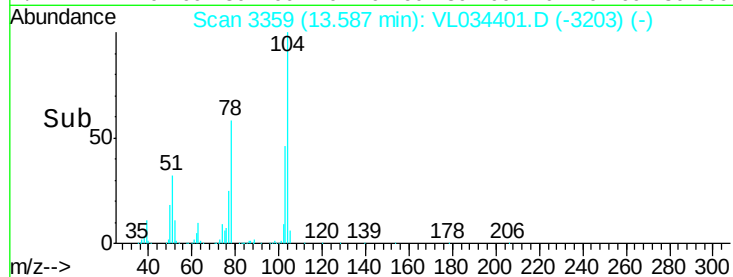
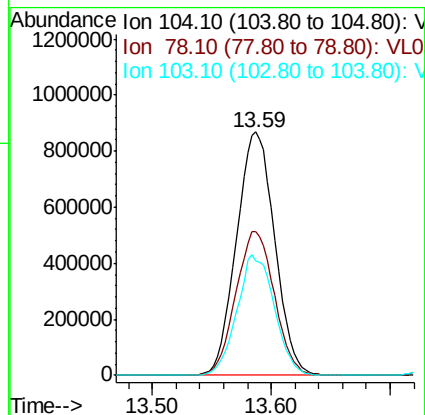
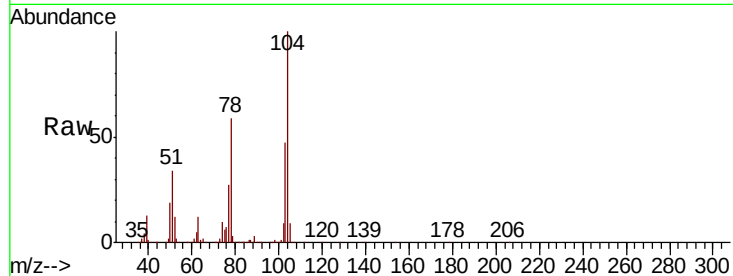
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	59.7	47.6	71.4
103	48.5	38.6	57.8

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#62

Isopropylbenzene

Concen: 9.202 ppbv

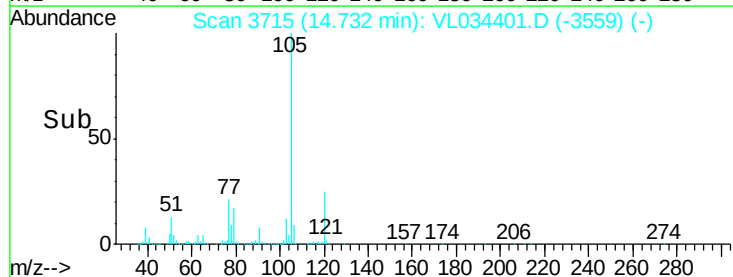
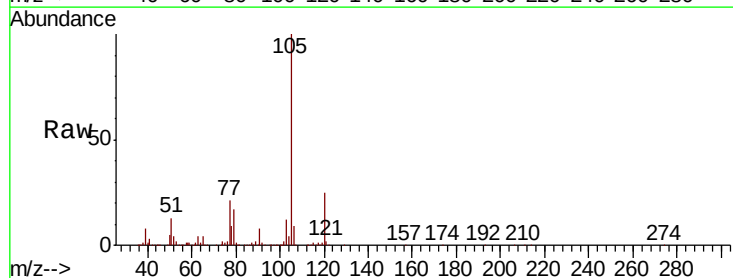
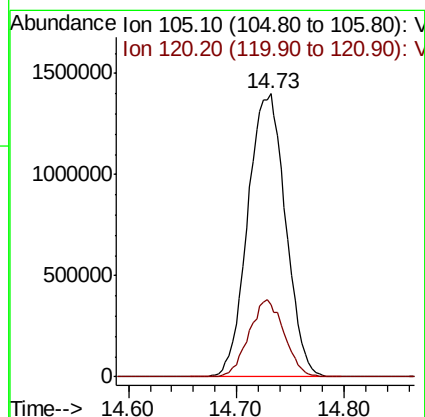
RT: 14.73 min Scan# 3715

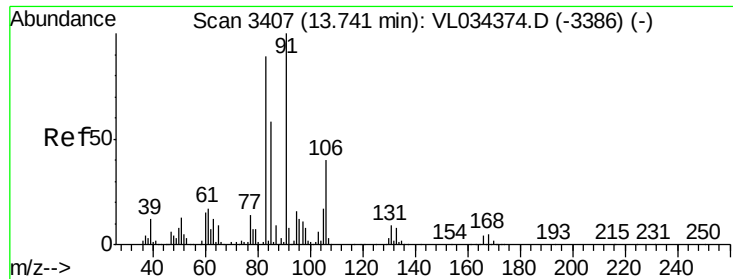
Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.2	30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 8.644 ppbv

RT: 13.74 min Scan# 3406

Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 1819895

Ion Ratio Lower Upper

83 100

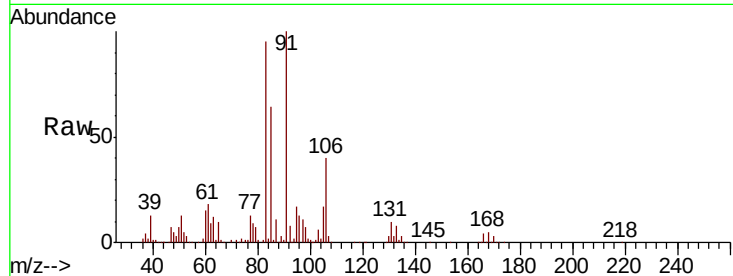
131 9.8 4.9 14.7

85 65.3 32.6 97.8

Manual Integrations
APPROVED

apatel

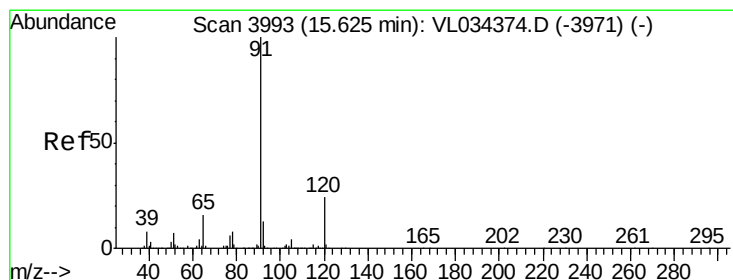
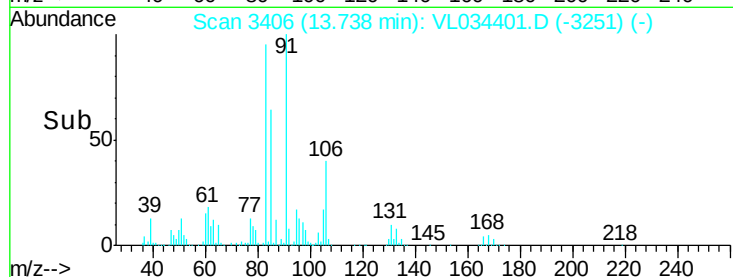
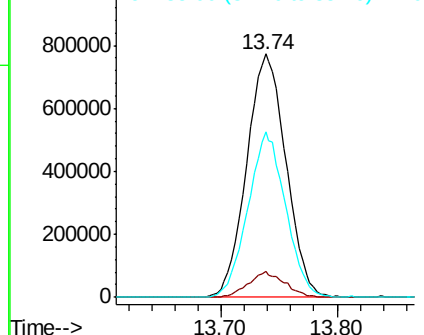
12/2/2019 9:19:29 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.273 ppbv m

RT: 15.62 min Scan# 3992

Delta R.T. -0.00 min

Lab File: VL034401.D

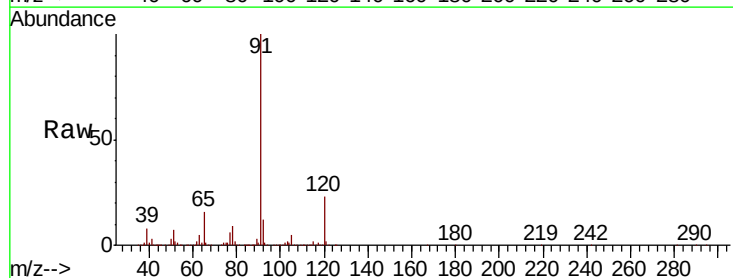
Acq: 25 Nov 2019 10:06

Tgt Ion: 120 Resp: 892076

Ion Ratio Lower Upper

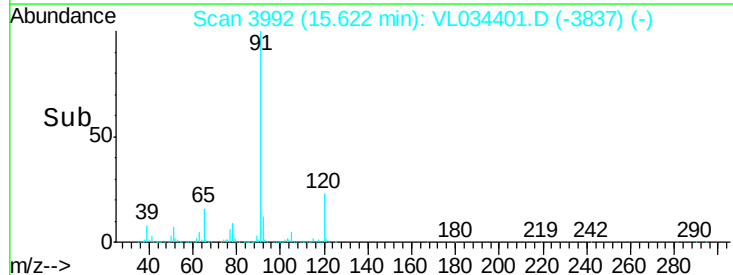
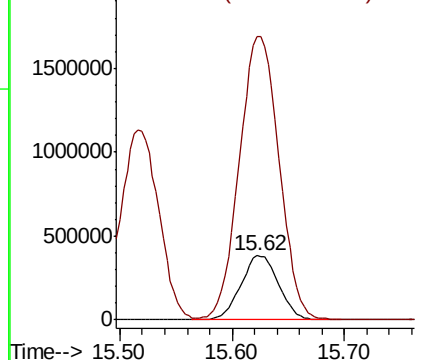
120 100

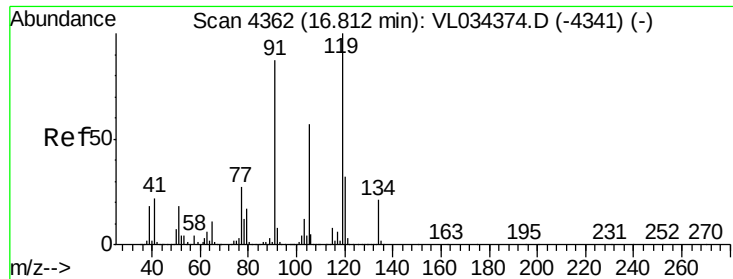
91 0.0 370.9 556.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.060 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 3014700

Ion Ratio Lower Upper

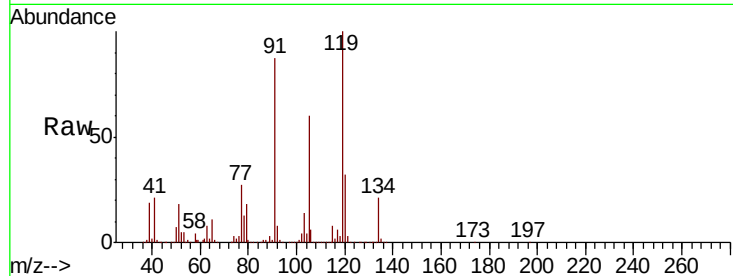
119 100

91 89.4 71.6 107.4

134 20.0 15.9 23.9

Manual Integrations
APPROVED

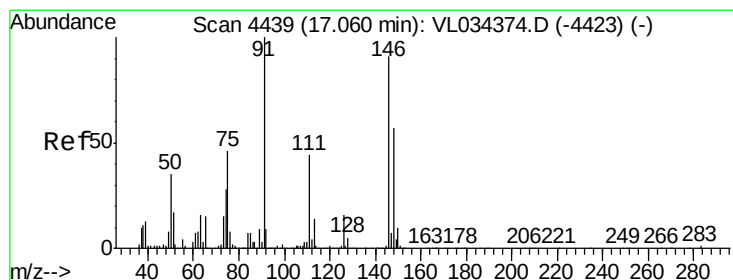
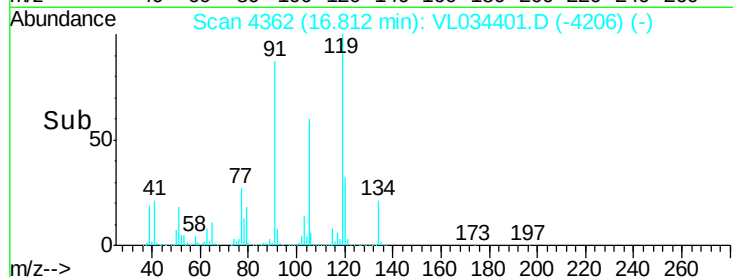
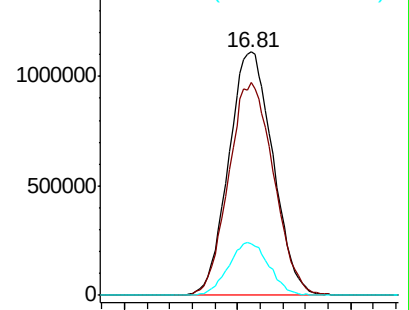
apatel
12/2/2019 9:19:29 AM



Abundance Ion 119.20 (118.90 to 119.90): V

1500000 Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.984 ppbv

RT: 17.06 min Scan# 4439

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

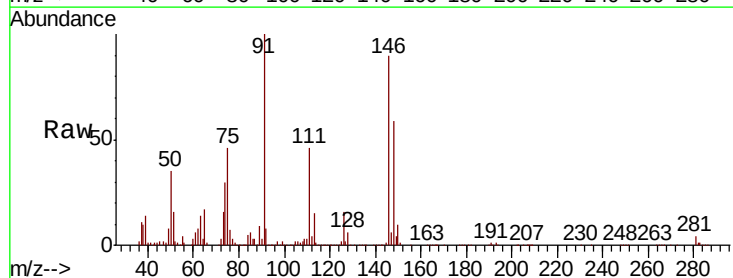
Tgt Ion: 91 Resp: 1534130

Ion Ratio Lower Upper

91 100

126 16.3 12.9 19.3

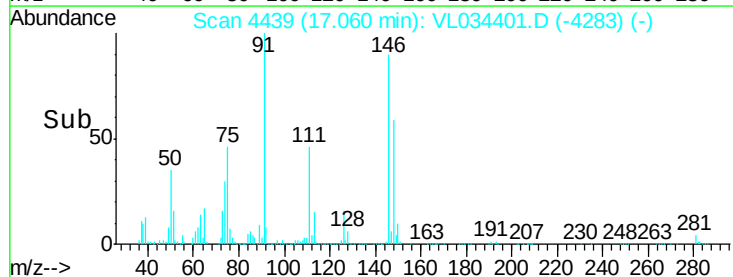
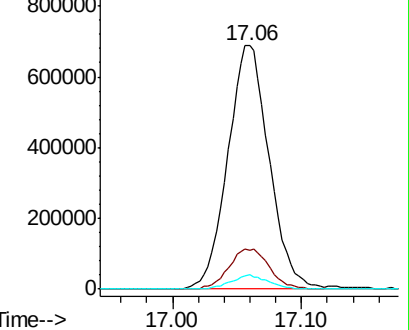
128 5.3 4.3 6.5

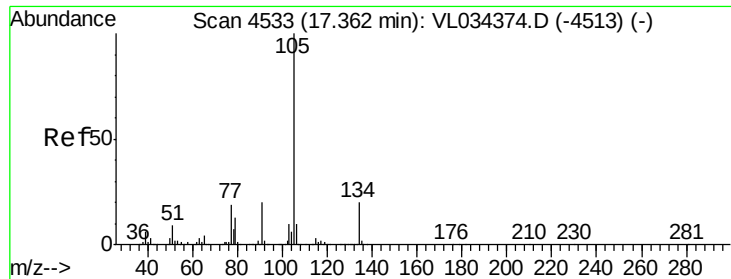


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.987 ppbv

RT: 17.36 min Scan# 4533

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4183345

Ion Ratio Lower Upper

105 100

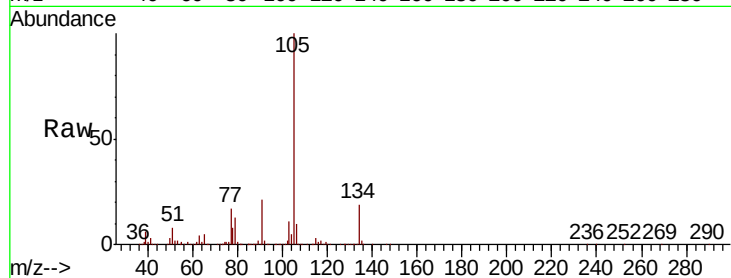
134 18.9 15.0 22.6

Manual Integrations

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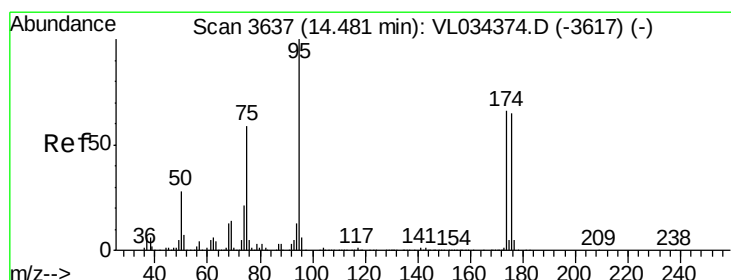
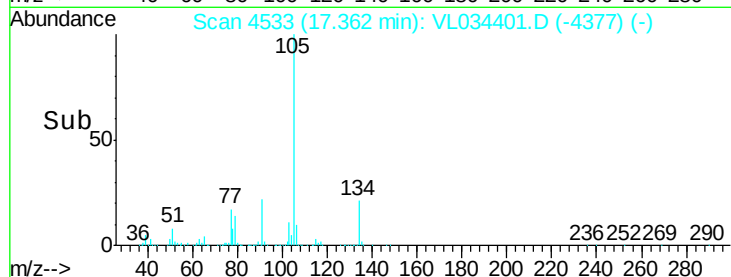
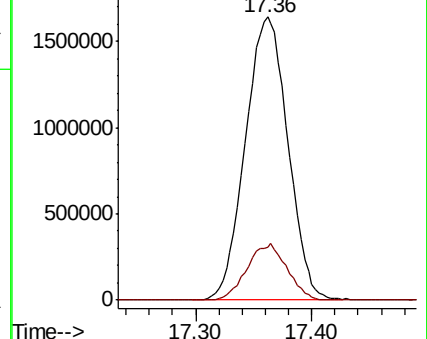
apatel

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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: 9.818 ppbv

RT: 14.48 min Scan# 3636

Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

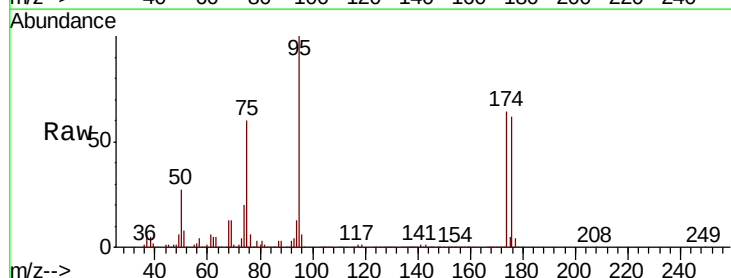
Tgt Ion: 95 Resp: 1744387

Ion Ratio Lower Upper

95 100

174 65.9 52.2 78.2

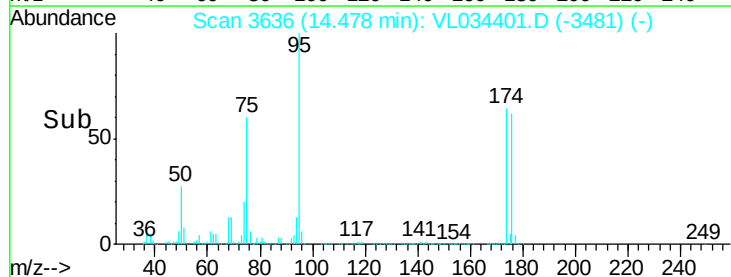
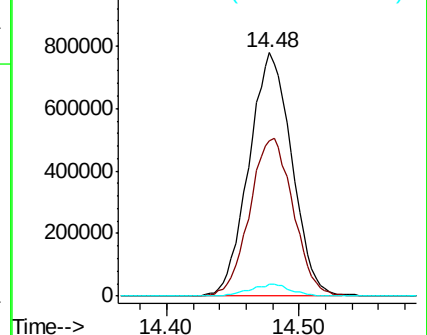
175 4.7 3.8 5.8

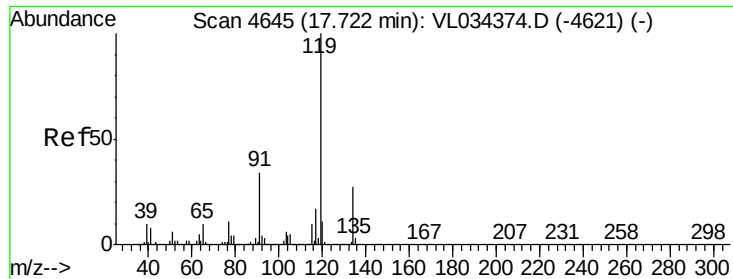


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





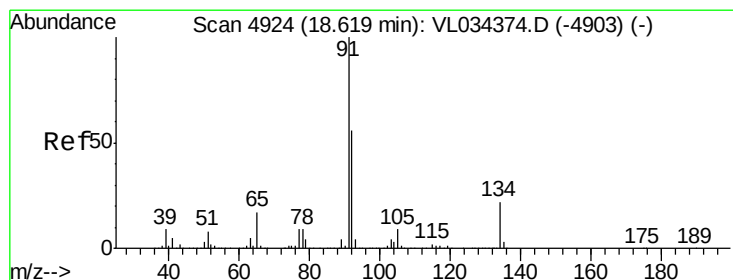
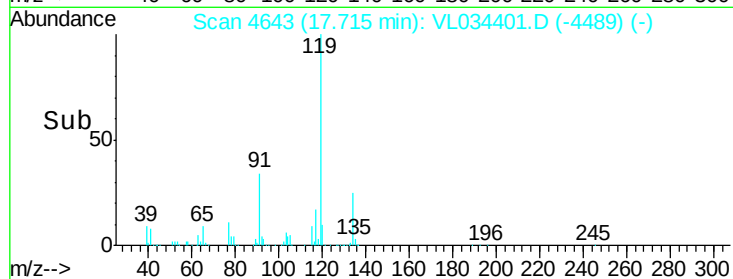
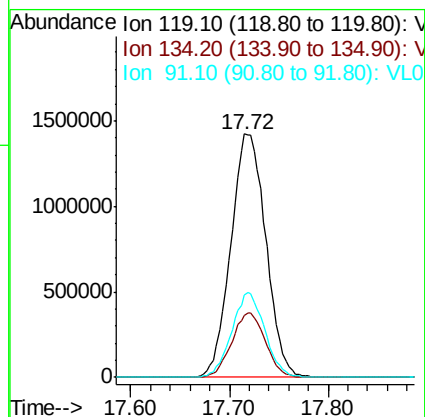
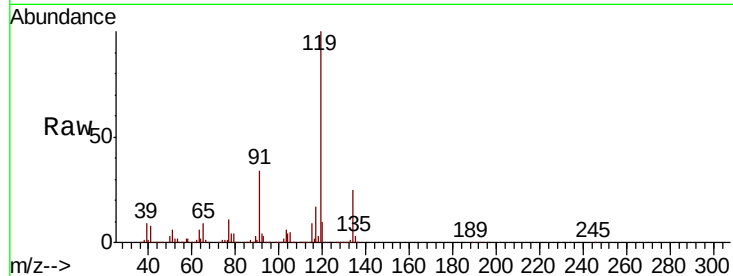
#69
 p-Isopropyltoluene
 Concen: 9.071 ppbv
 RT: 17.72 min Scan# 4643
 Delta R.T. -0.01 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	31.0
91	33.0	26.3	39.5

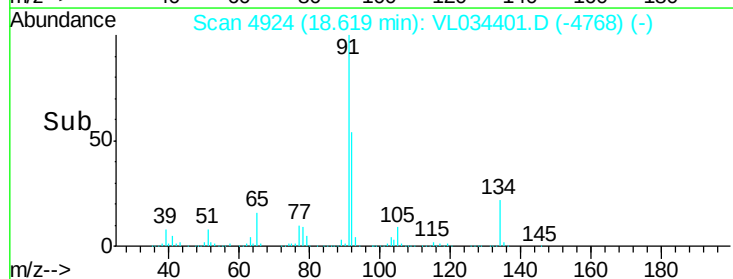
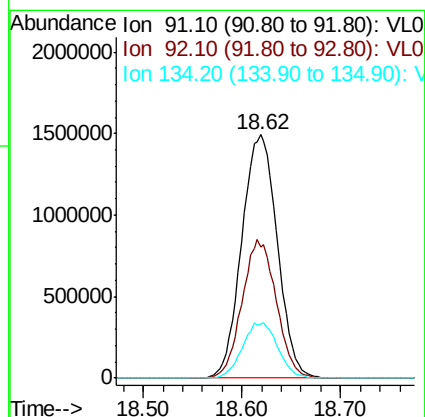
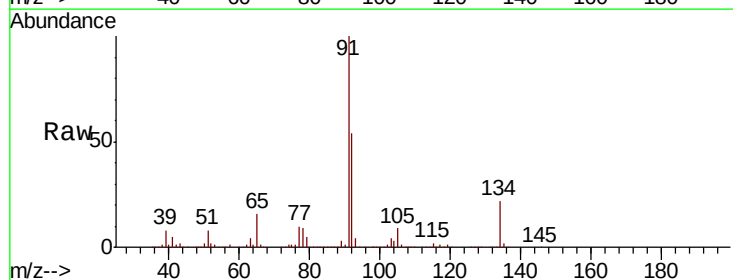
Manual Integrations
 APPROVED

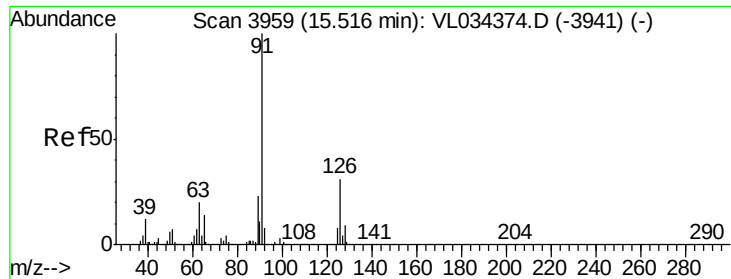
apatel
 12/2/2019 9:19:29 AM



#70
 n-Butylbenzene
 Concen: 8.940 ppbv
 RT: 18.62 min Scan# 4924
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.6
134	22.6	17.9	26.9





#71

2-Chlorotoluene

Concen: 9.093 ppbv

RT: 15.52 min Scan# 3959

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2685830

Ion Ratio Lower Upper

91 100

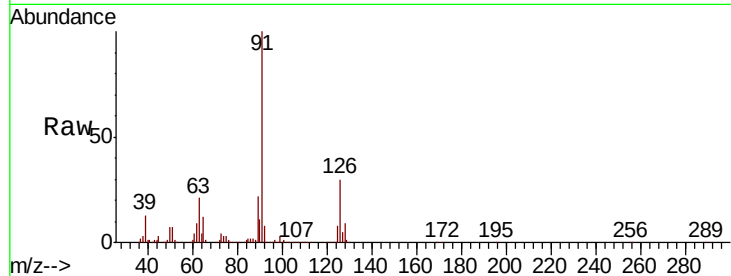
126 29.7 11.8 47.4

Manual Integrations

APPROVED

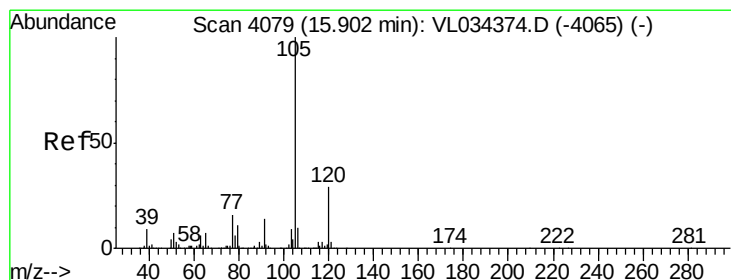
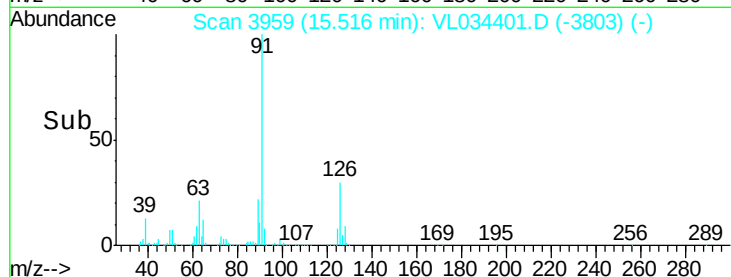
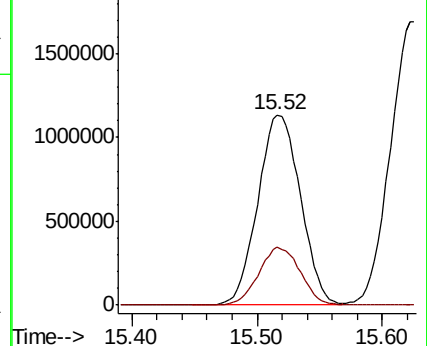
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.324 ppbv

RT: 15.90 min Scan# 4079

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion: 105 Resp: 3017563

Ion Ratio Lower Upper

105 100

120 29.1 23.5 35.3

91 15.1 11.4 17.0

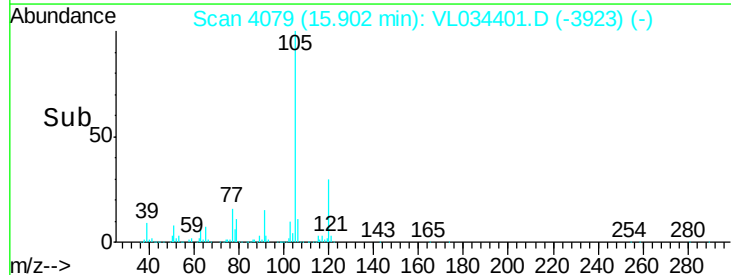
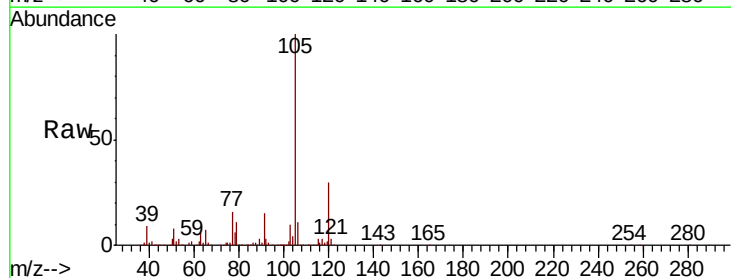
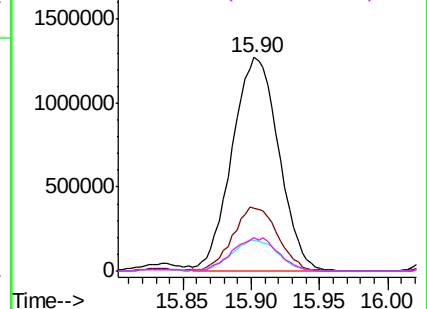
77 15.5 12.6 19.0

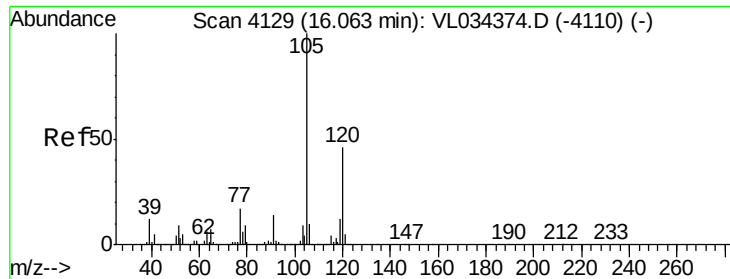
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 9.134 ppbv

RT: 16.06 min Scan# 4129

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion:105 Resp: 2893619

Ion Ratio Lower Upper

105 100

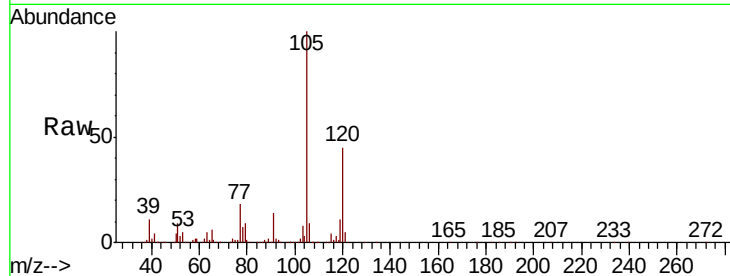
120 44.8 37.1 55.7

Manual Integrations

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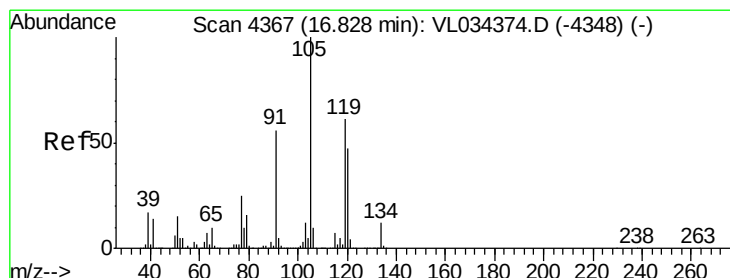
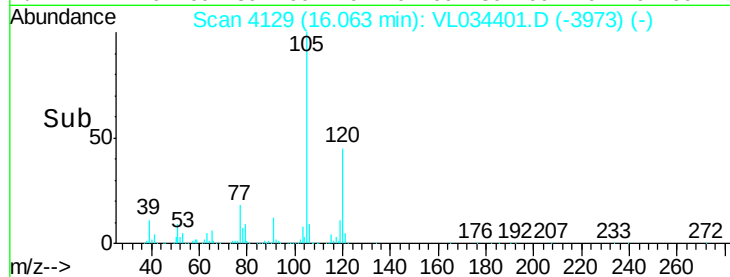
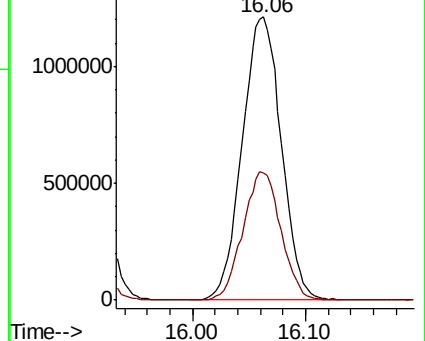
apatel

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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: 8.813 ppbv

RT: 16.83 min Scan# 4367

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion:105 Resp: 2965846

Ion Ratio Lower Upper

105 100

120 45.8 37.4 56.0

91 53.9 46.3 69.5

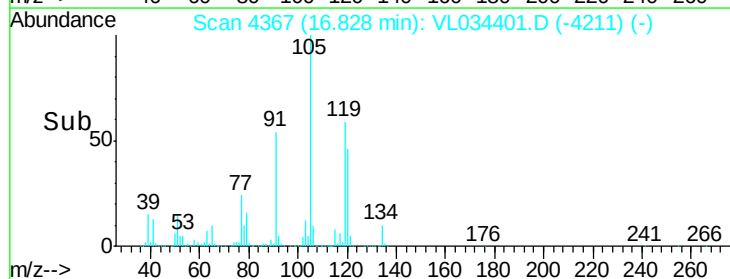
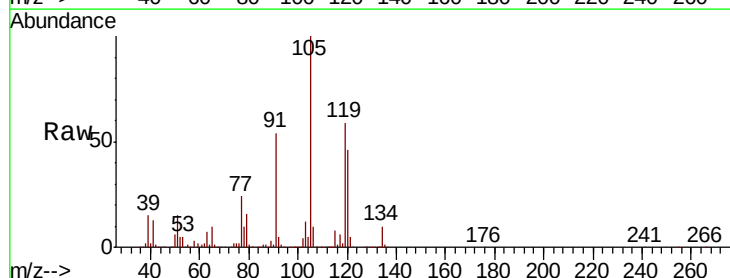
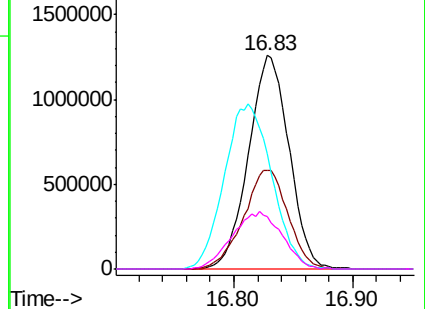
77 24.3 20.6 30.8

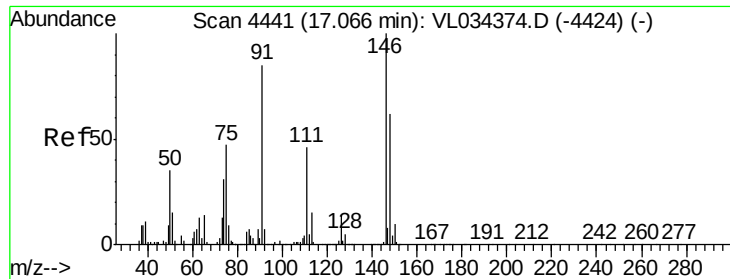
Abundance Ion 105.10 (104.80 to 105.80): V

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





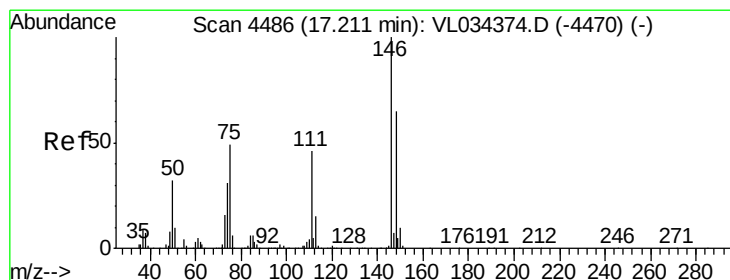
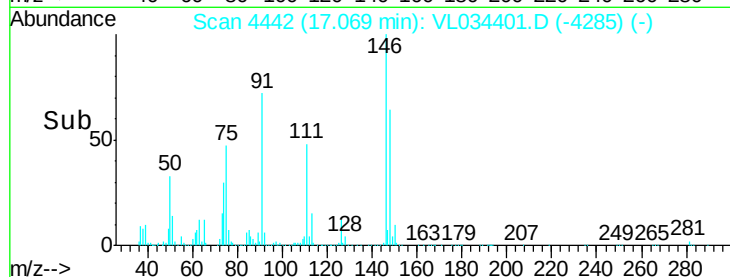
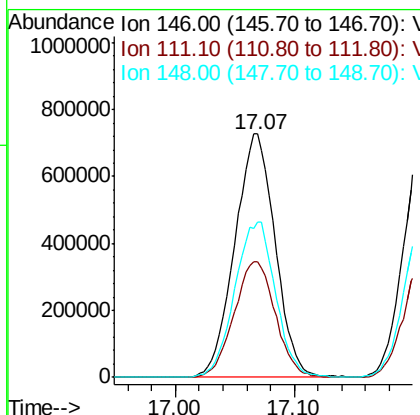
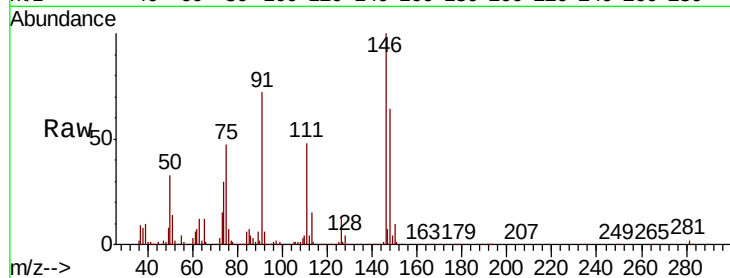
#75
 1,3-Dichlorobenzene
 Concen: 8.797 ppbv
 RT: 17.07 min Scan# 4442
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.4	73.4
148	64.7	32.4	97.0

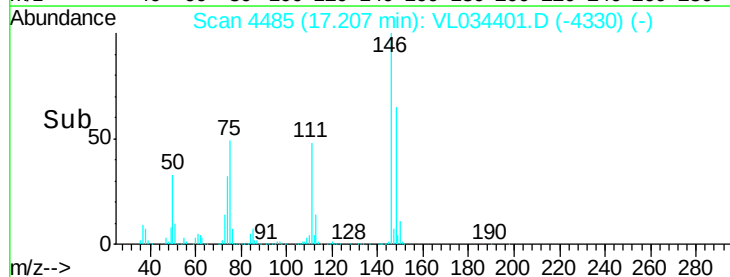
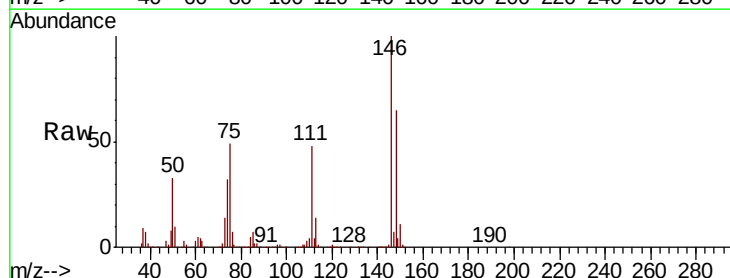
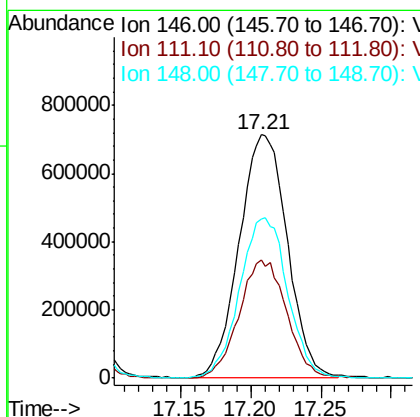
Manual Integrations
 APPROVED

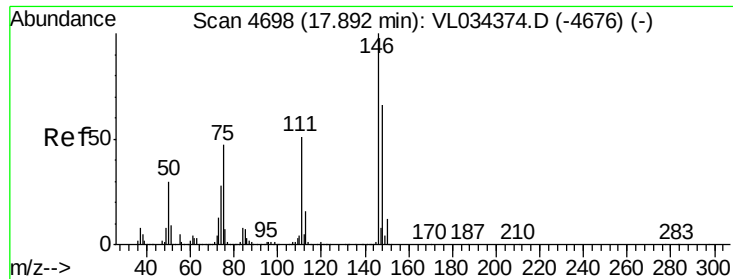
apatel
 12/2/2019 9:19:29 AM



#76
 1,4-Dichlorobenzene
 Concen: 8.982 ppbv
 RT: 17.21 min Scan# 4485
 Delta R.T. -0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.1	72.3
148	66.4	32.9	98.6





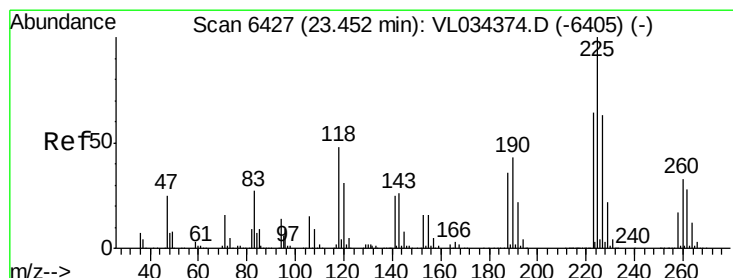
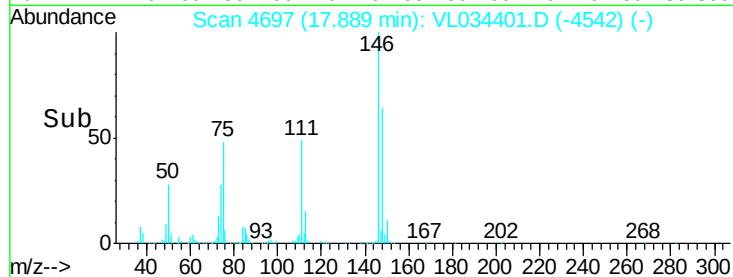
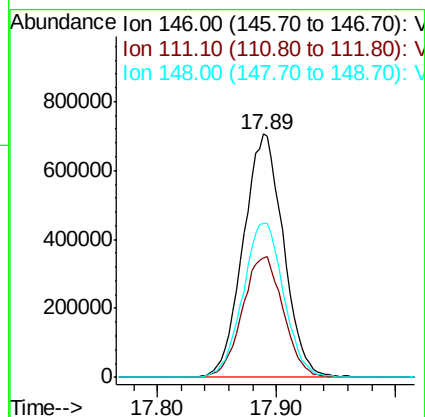
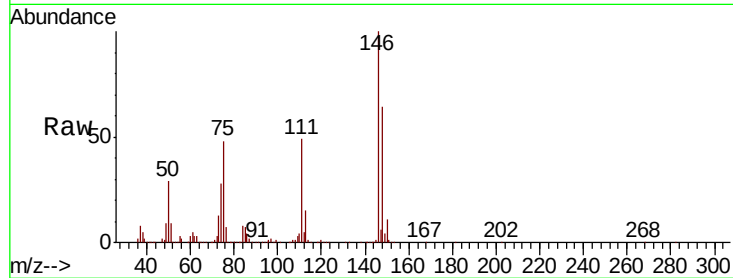
#77
 1,2-Dichlorobenzene
 Concen: 8.838 ppbv
 RT: 17.89 min Scan# 4697
 Delta R.T. -0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.4	25.0	75.0
148	64.5	32.7	98.1

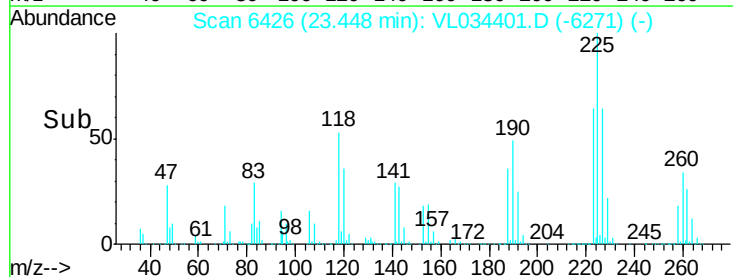
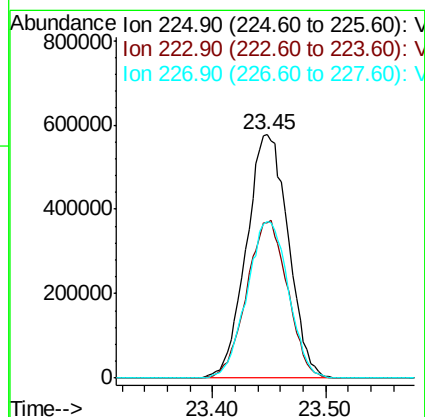
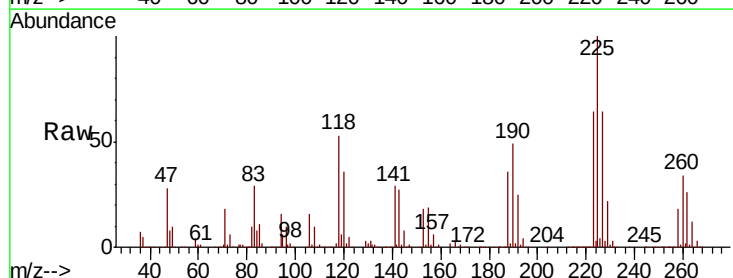
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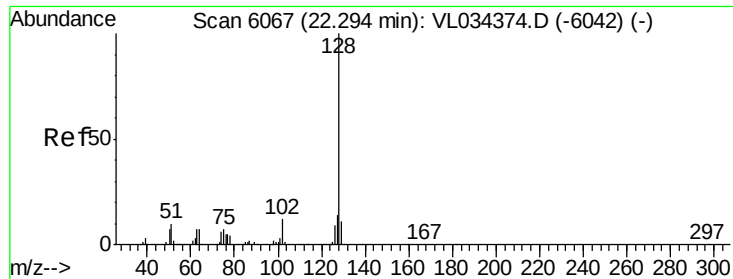
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.248 ppbv
 RT: 23.45 min Scan# 6426
 Delta R.T. -0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.2	75.2
227	63.9	51.5	77.3





#79

Naphthalene

Concen: 8.994 ppbv

RT: 22.29 min Scan# 6066

Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

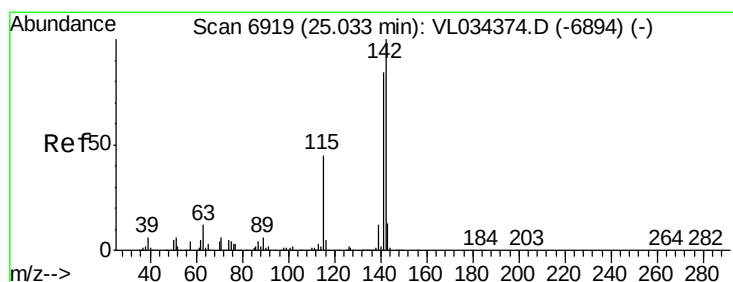
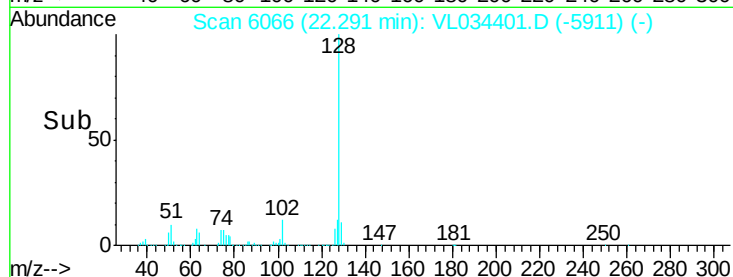
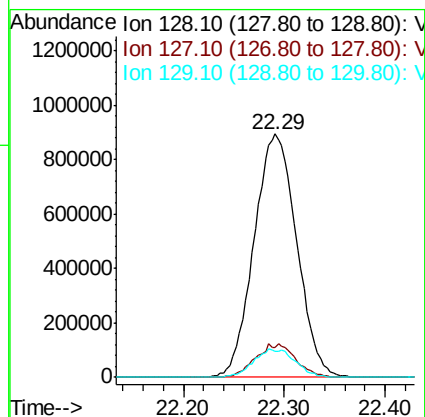
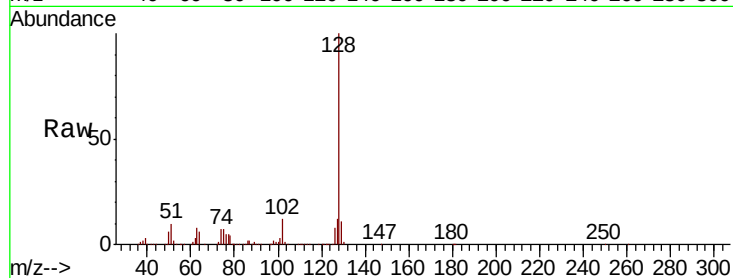
ClientSampleId :

VSTDCCC010

Tot Ion:	128	Resp:	2623663
Ion	Ratio	Lower	Upper
128	100		
127	12.4	11.0	16.6
129	10.7	8.9	13.3

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#80

Naphthalene, 2-methyl-

Concen: 11.473 ppbv

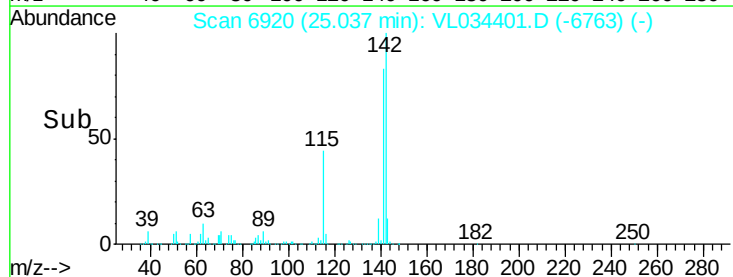
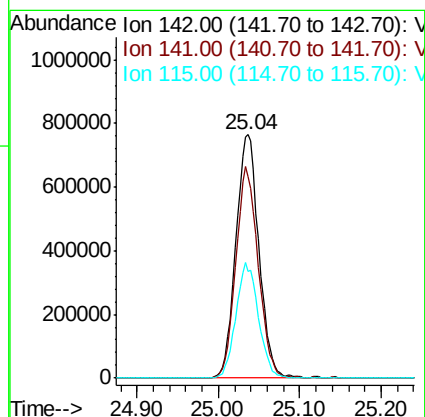
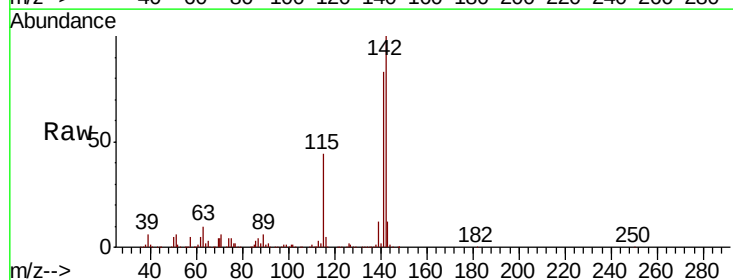
RT: 25.04 min Scan# 6920

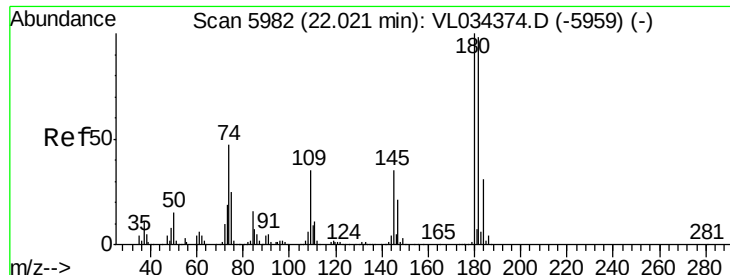
Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion:	142	Resp:	1511311
Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.1	100.7
115	46.2	36.6	54.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.795 ppbv
 RT: 22.02 min Scan# 5982
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.8	115.2
184	30.9	24.9	37.3

Manual Integrations
 APPROVED

apatel
 12/2/2019 9:19:29 AM

