

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034421.D
 Acq On : 2 Dec 2019 9:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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 12/4/2019 4:46:10 PM

Quant Time: Dec 03 03:04:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 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	5.69	49	935075	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1882343	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2000468	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1674228	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1957860	11.574	ppbv	98
3) Chlorodifluoromethane	2.96	51	1149987	9.857	ppbv	99
4) Chloromethane	3.12	50	697344	10.134	ppbv	99
5) Vinyl Chloride	3.24	62	645609	10.013	ppbv	93
6) Bromomethane	3.46	94	340588	10.499	ppbv	95
7) Chloroethane	3.54	64	240425	10.274	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1491424	9.818	ppbv	100
9) Propene	2.99	41	500121	9.656	ppbv	98
10) Heptane	8.17	43	1339261	10.019	ppbv	100
11) Trichlorofluoromethane	3.94	101	1683864	10.002	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1139861	10.195	ppbv	99
13) Ethanol	3.60	45	108698m	7.534	ppbv	
14) Bromoethene	3.73	108	464076	10.208	ppbv	98
15) Acetone	3.84	43	1247018	9.313	ppbv	100
16) 1,3-Butadiene	3.31	39	606251	10.394	ppbv	100
17) tert-Butyl alcohol	4.29	59	942984	8.378	ppbv	99
18) 1,1-Dichloroethene	4.29	96	511127	10.451	ppbv	96
19) Isopropyl Alcohol	3.96	45	752140	8.764	ppbv	100
20) Methylene Chloride	4.34	84	439908	9.265	ppbv	97
21) Allyl Chloride	4.41	41	875594	10.913	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	524637	10.642	ppbv	97
23) Vinyl Acetate	5.09	43	1847677	10.563	ppbv #	99
24) 1,1-Dichloroethane	5.02	63	1356489	10.096	ppbv	100
25) Ethyl Acetate	5.70	43	2351884	9.843	ppbv	99
26) Hexane	5.71	57	998381	9.724	ppbv	98
27) Carbon Disulfide	4.55	76	1338360	11.968	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1745770	10.254	ppbv	100
29) Chloroform	5.78	83	1653578	9.945	ppbv	97
30) Cyclohexane	7.17	84	819221	10.554	ppbv	98
31) cis-1,2-Dichloroethene	5.57	61	1095651	10.327	ppbv	95
32) 1,1,1-Trichloroethane	6.54	97	1686563	10.819	ppbv	99
34) 2-Butanone	5.26	43	1565553	10.104	ppbv	99
35) Carbon Tetrachloride	7.06	117	1774094	10.962	ppbv	96
36) Benzene	6.93	78	1922209	10.215	ppbv	98
37) 1,2-Dichloroethane	6.34	62	1427940	10.215	ppbv	100
38) Trichloroethene	7.88	130	775227	10.039	ppbv	99
39) 1,2-Dichloropropane	7.65	63	806150	11.121	ppbv	99
40) 1,4-Dioxane	7.87	88	278203	8.785	ppbv #	97
41) Tetrahydrofuran	6.07	42	896137	10.312	ppbv	98
42) Bromodichloromethane	7.84	83	1856476	10.619	ppbv	100
43) Methyl Methacrylate	8.06	69	829744	10.632	ppbv	99

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Quant Time: Dec 03 03:04:51 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3441866	10.009	ppbv	100
45) t-1,3-Dichloropropene	9.33	75	1169367	11.683	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1305780	11.615	ppbv	98
47) 1,1,2-Trichloroethane	9.53	97	828538	10.274	ppbv	97
48) Dibromochloromethane	10.37	129	1560518	11.271	ppbv	99
49) Bromoform	13.11	173	1405384	11.371	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2305957	10.286	ppbv	100
51) 2-Hexanone	10.18	43	1954405	10.408	ppbv	98
52) Tetrachloroethene	11.28	164	741171	9.104	ppbv	98
53) Toluene	9.86	91	2244723	10.502	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1260418	10.195	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.19	131	1019770	10.421	ppbv	96
57) Chlorobenzene	12.22	112	1729298	9.563	ppbv	99
58) Ethyl Benzene	12.78	91	3103565	9.997	ppbv	100
59) m/p-Xylene	13.06	91	5171873m	19.273	ppbv	
60) o-Xylene	13.76	91	2584387	9.740	ppbv	99
61) Styrene	13.60	104	1938188	10.130	ppbv	100
62) Isopropylbenzene	14.74	105	3390518	9.662	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.75	83	1820229m	9.127	ppbv	
64) n-propylbenzene	15.64	120	894033	9.811	ppbv	99
65) tert-Butylbenzene	16.82	119	3023734	9.593	ppbv	100
66) Benzyl Chloride	17.07	91	1570678	12.953	ppbv	100
67) sec-Butylbenzene	17.37	105	4138901	9.387	ppbv	100
69) p-Isopropyltoluene	17.73	119	3506721	9.583	ppbv	100
70) n-Butylbenzene	18.63	91	3712046	9.428	ppbv	99
71) 2-Chlorotoluene	15.53	91	2691927	9.621	ppbv	100
72) 4-Ethyltoluene	15.92	105	2997528	9.778	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2874032	9.577	ppbv	97
74) 1,2,4-Trimethylbenzene	16.84	105	2973194	9.327	ppbv #	88
75) 1,3-Dichlorobenzene	17.08	146	1701714	9.287	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1708064	9.600	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1639129	9.262	ppbv	100
78) Hexachloro-1,3-Butadiene	23.46	225	1488721	9.791	ppbv	100
79) Naphthalene	22.31	128	2595297	9.392	ppbv	97
80) Naphthalene, 2-methyl-	25.05	142	1470148	11.782	ppbv	100
81) 1,2,4-Trichlorobenzene	22.03	180	1571848	9.259	ppbv	100

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

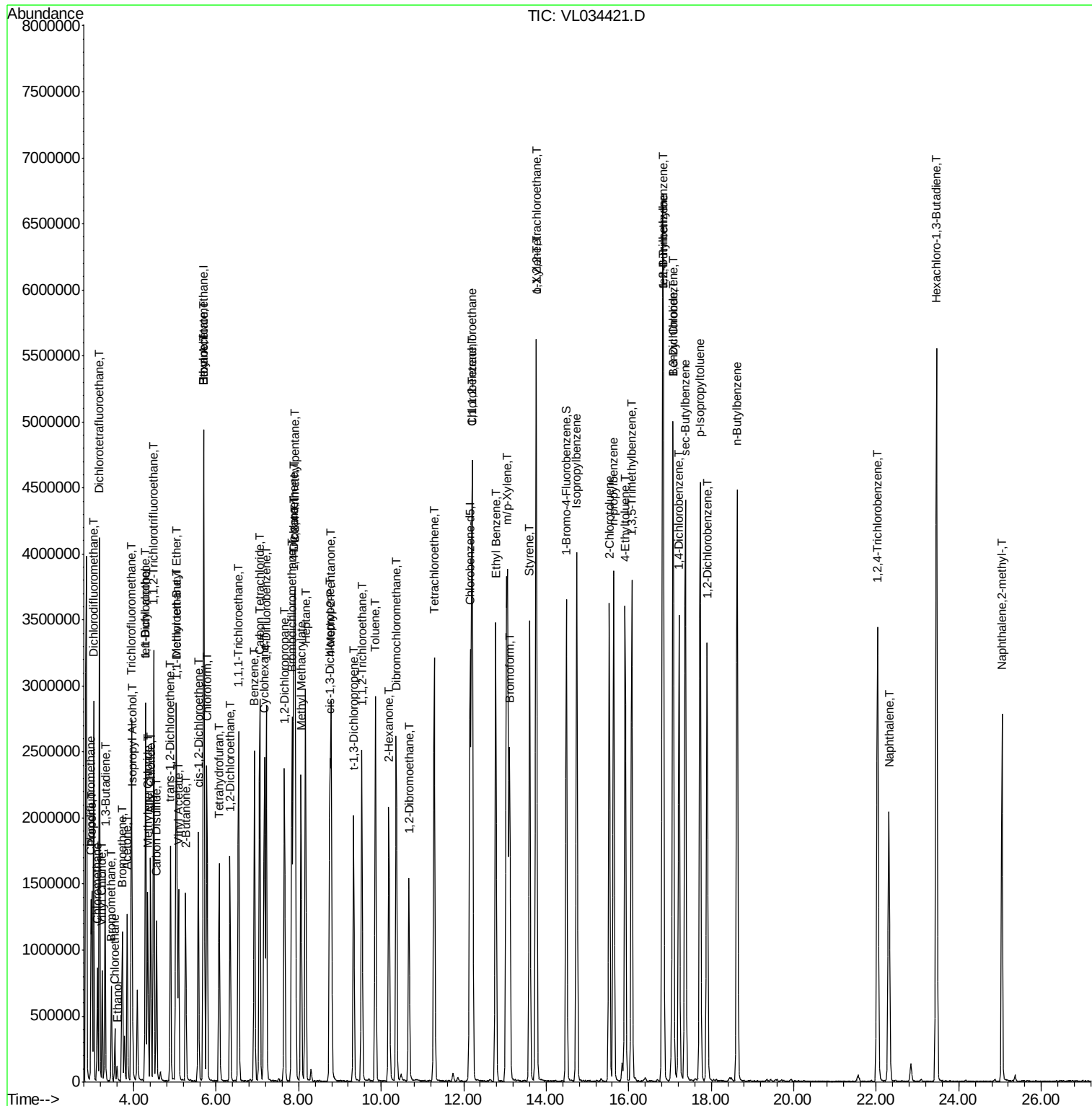
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120219\
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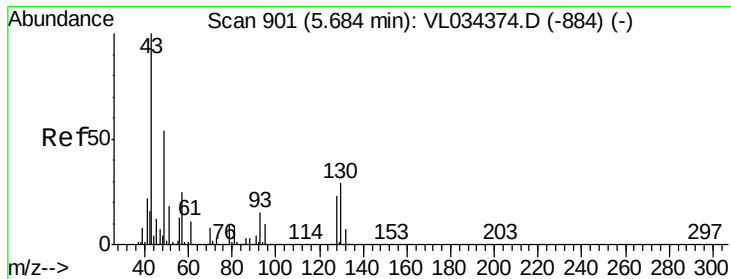
Instrument :
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QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

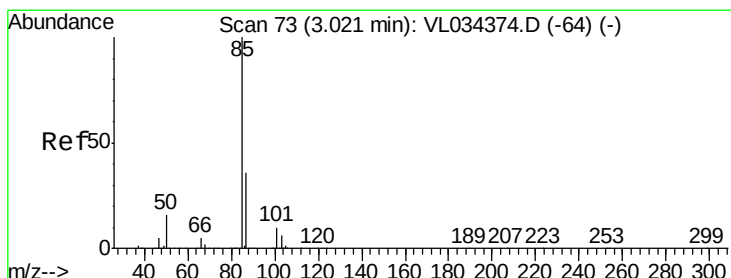
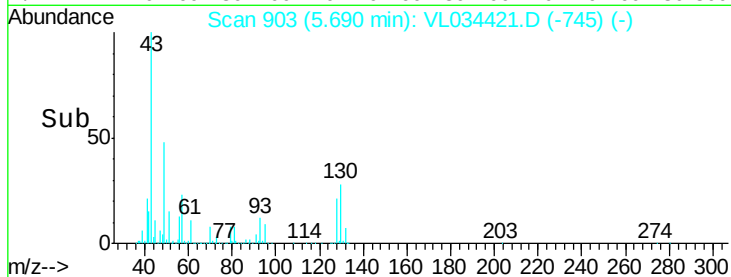
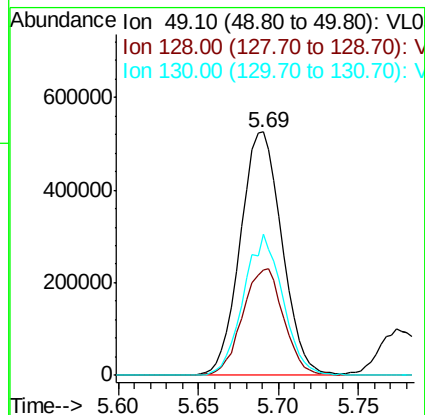
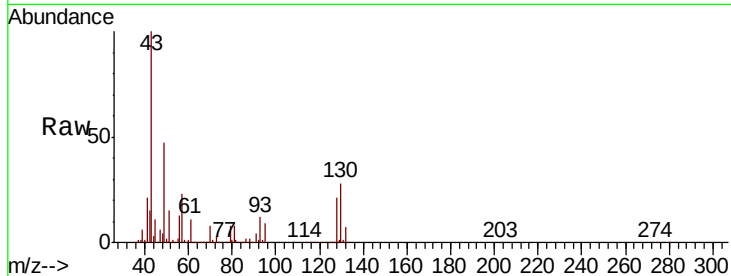
ClientSampleId :

VSTDCCC010

Tot Ion:	49	Resp:	935075
Ion Ratio	Lower	Upper	
49	100		
128	43.3	21.8	65.3
130	54.4	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 11.574 ppbv

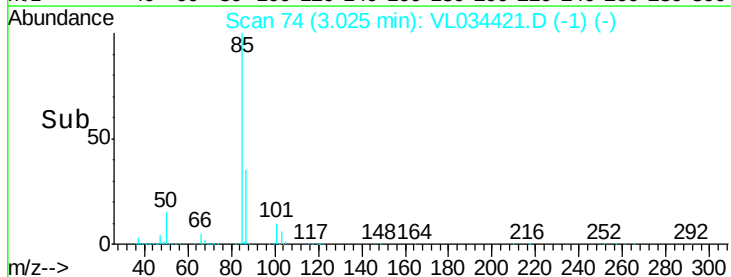
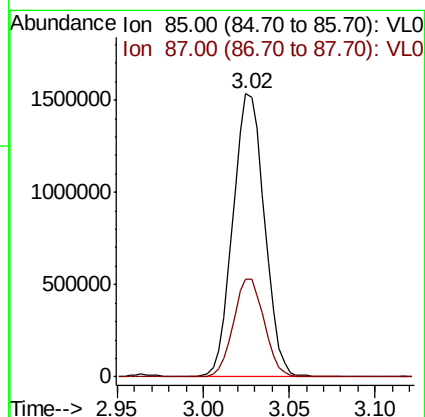
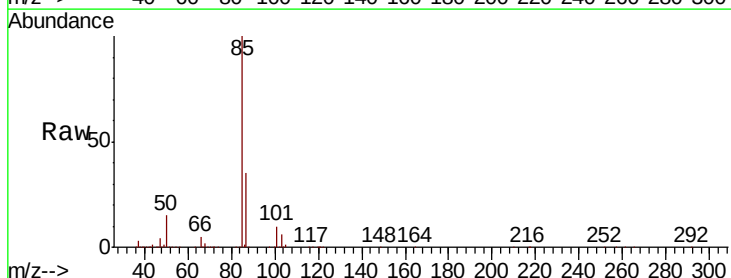
RT: 3.02 min Scan# 74

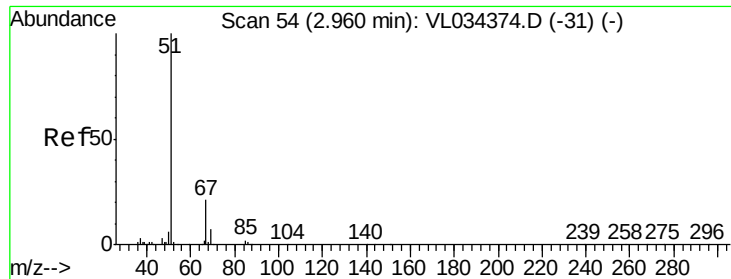
Delta R.T. 0.00 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Tgt Ion:	85	Resp:	1957860
Ion Ratio	Lower	Upper	
85	100		
87	34.7	28.5	42.7





#3

Chlorodifluoromethane

Concen: 9.857 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Tot Ion: 51 Resp: 1149987

Ion Ratio Lower Upper

51 100

67 20.7 16.2 24.2

Instrument :

MSVOA_L

ClientSampleId :

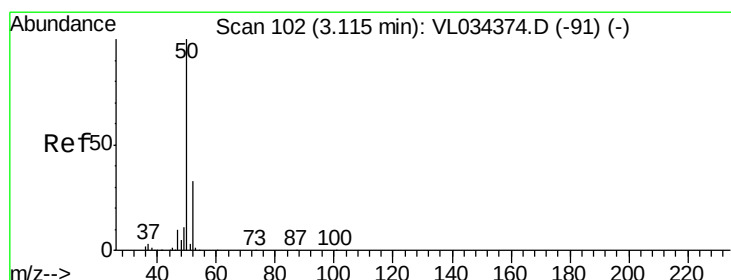
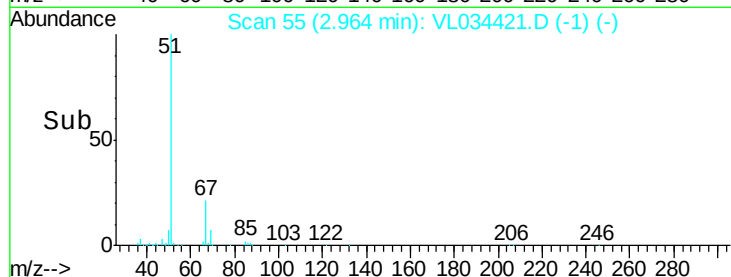
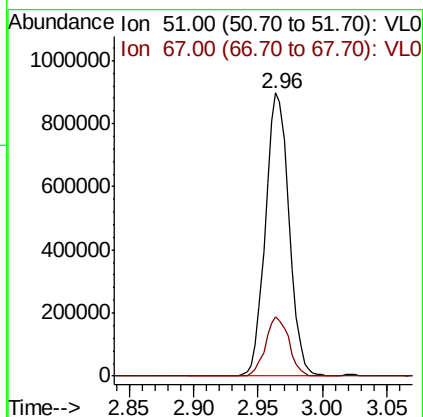
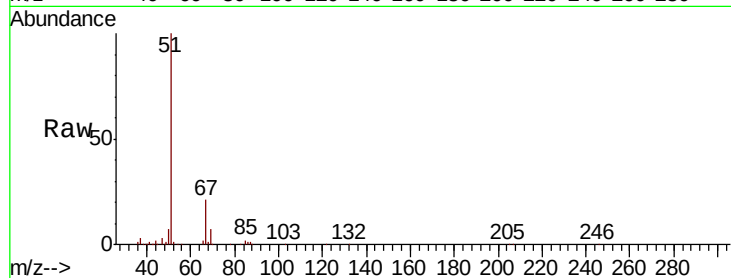
VSTDCCC010

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#4

Chloromethane

Concen: 10.134 ppbv

RT: 3.12 min Scan# 103

Delta R.T. 0.00 min

Lab File: VL034421.D

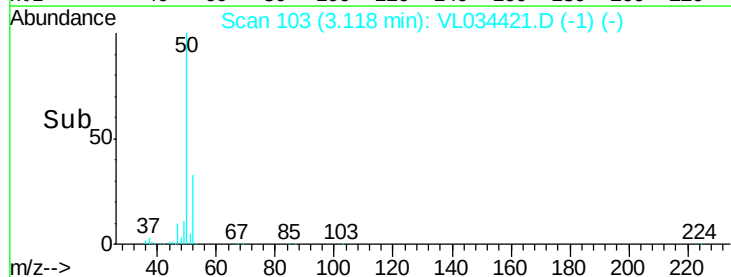
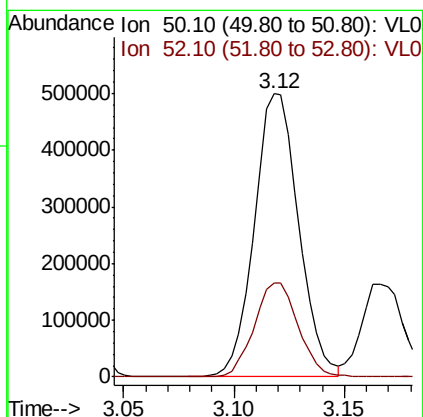
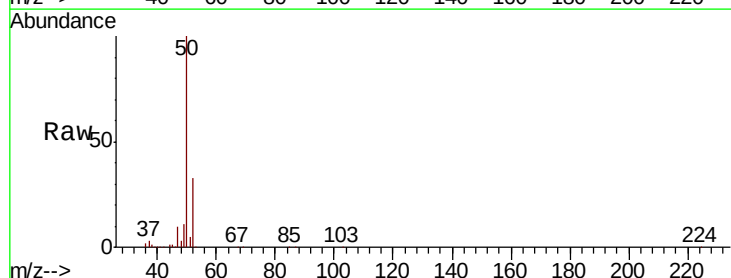
Acq: 2 Dec 2019 9:25

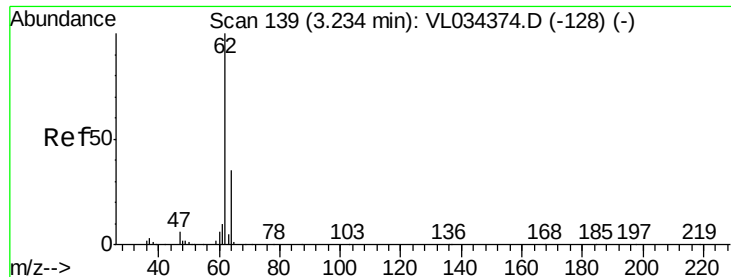
Tgt Ion: 50 Resp: 697344

Ion Ratio Lower Upper

50 100

52 33.1 26.8 40.2





#5

Vinyl Chloride

Concen: 10.013 ppbv

RT: 3.24 min Scan# 140

Delta R.T. 0.00 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion: 62 Resp: 645609

Ion Ratio Lower Upper

62 100

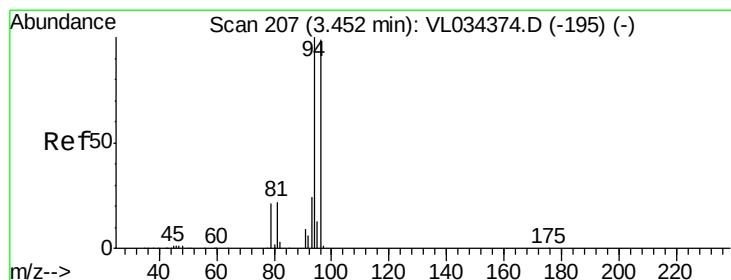
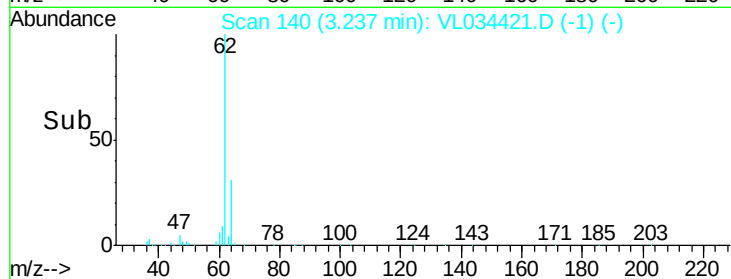
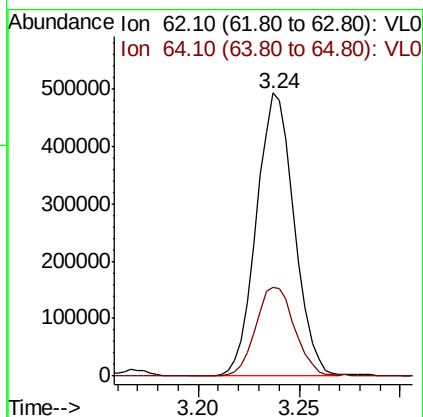
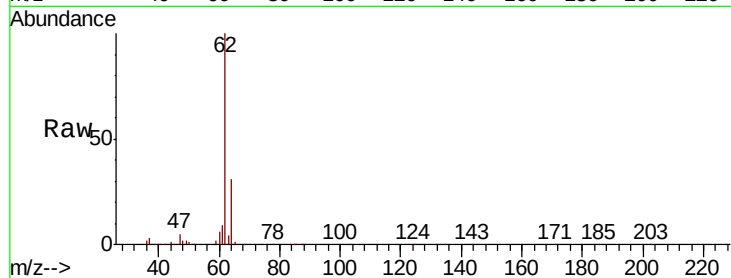
64 31.5 28.4 42.6

Manual Integrations

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#6

Bromomethane

Concen: 10.499 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.01 min

Lab File: VL034421.D

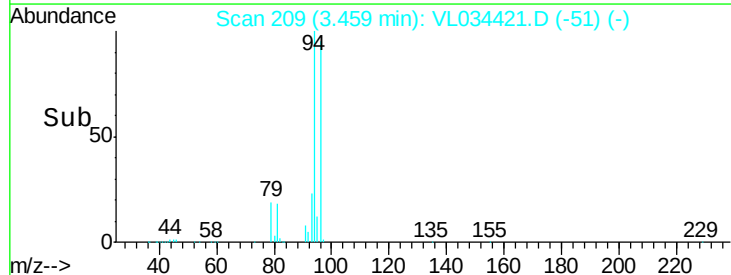
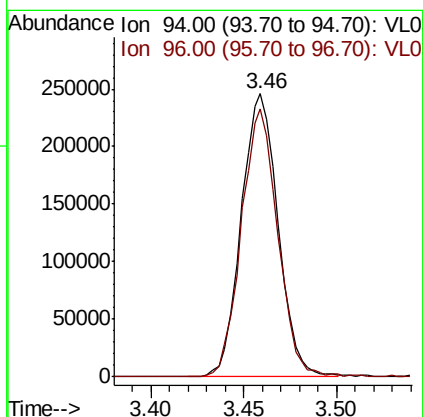
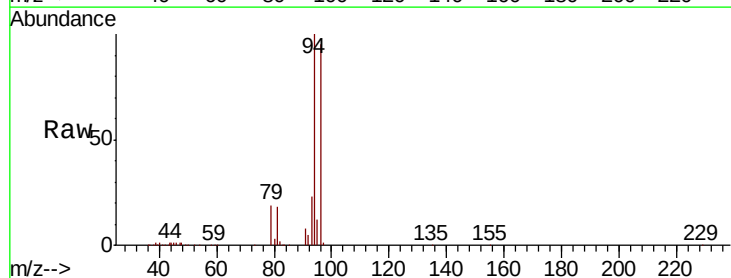
Acq: 2 Dec 2019 9:25

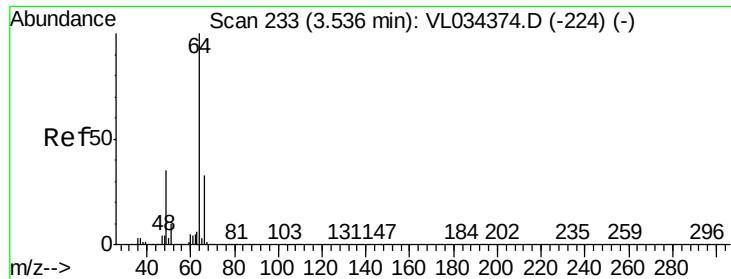
Tgt Ion: 94 Resp: 340588

Ion Ratio Lower Upper

94 100

96 94.9 79.5 119.3





#7

Chloroethane

Concen: 10.274 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 240425

Ion Ratio Lower Upper

64 100

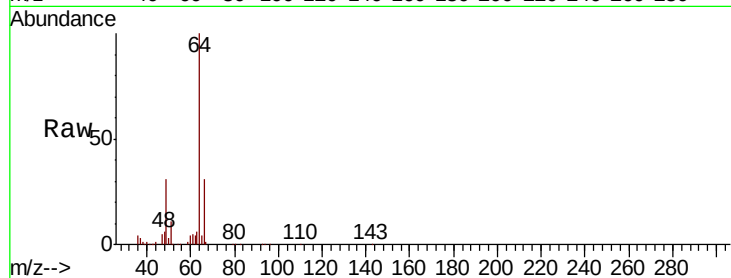
66 30.9 26.0 39.0

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

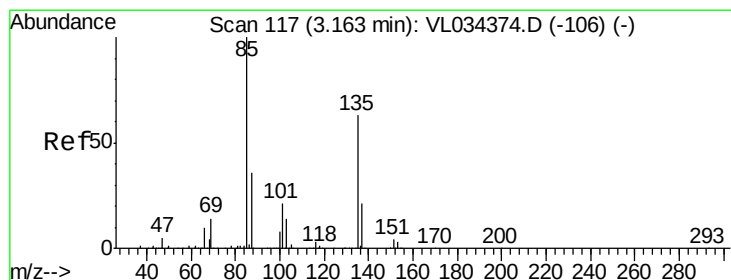
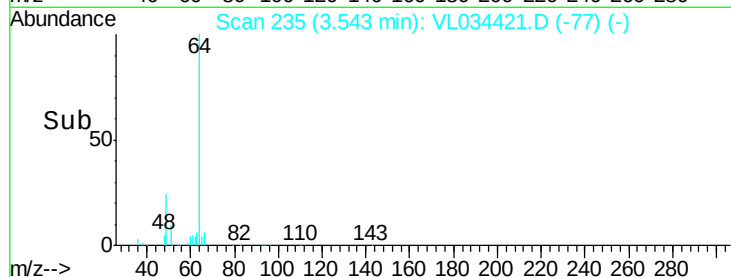
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.818 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.01 min

Lab File: VL034421.D

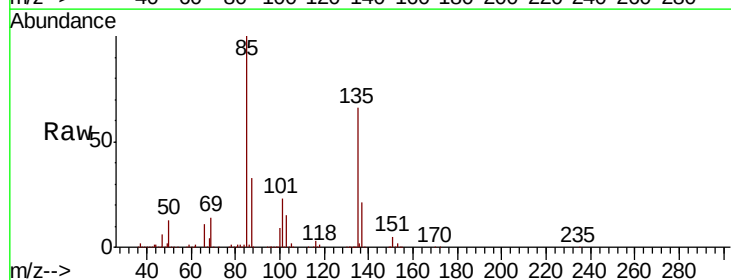
Acq: 2 Dec 2019 9:25

Tgt Ion: 85 Resp: 1491424

Ion Ratio Lower Upper

85 100

135 64.3 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

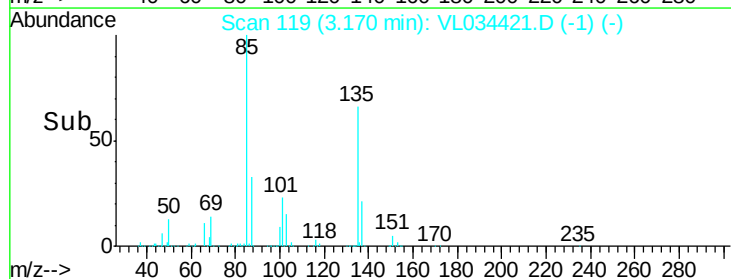
3.17

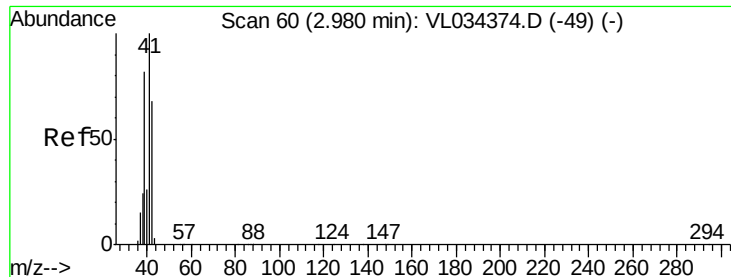
1000000

500000

0

Time-->





#9

Propene

Concen: 9.656 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 500121

Ion Ratio Lower Upper

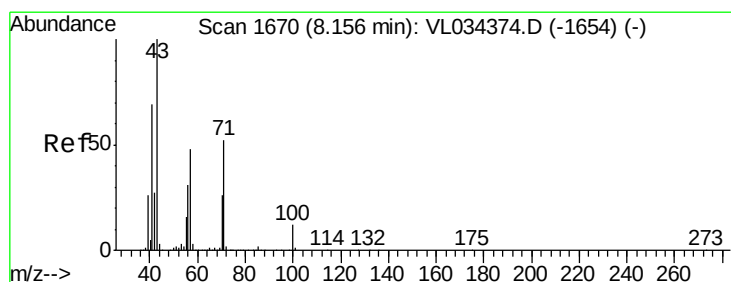
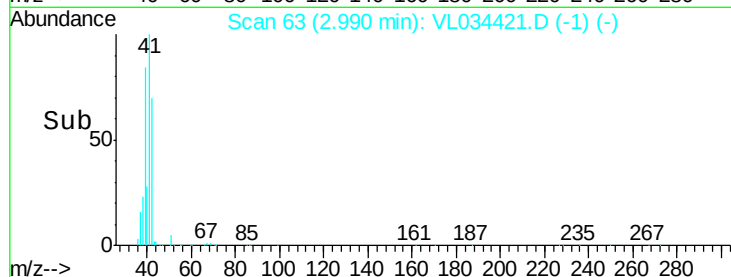
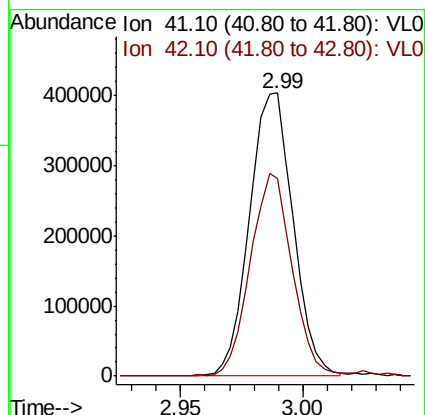
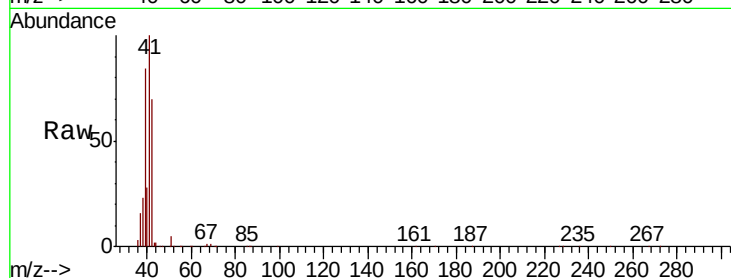
41 100

42 69.8 54.6 82.0

Manual Integrations
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#10

Heptane

Concen: 10.019 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. 0.01 min

Lab File: VL034421.D

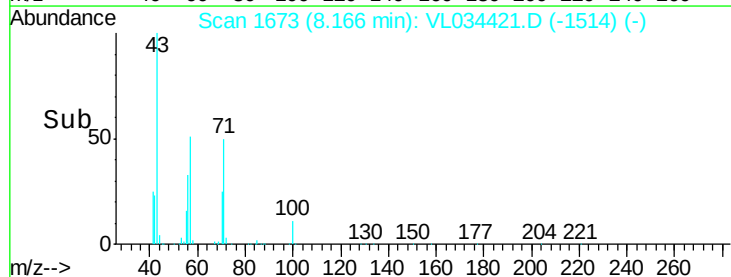
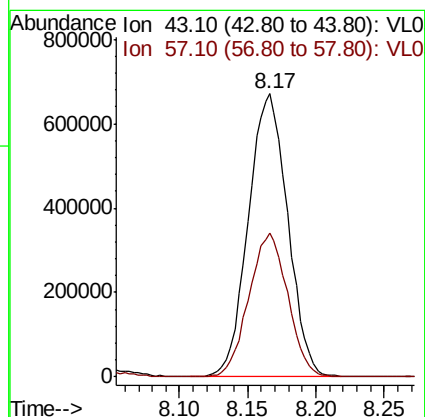
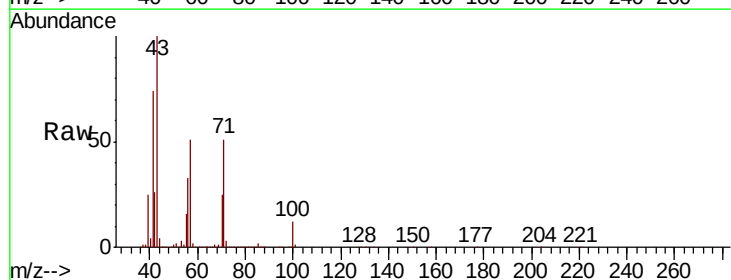
Acq: 2 Dec 2019 9:25

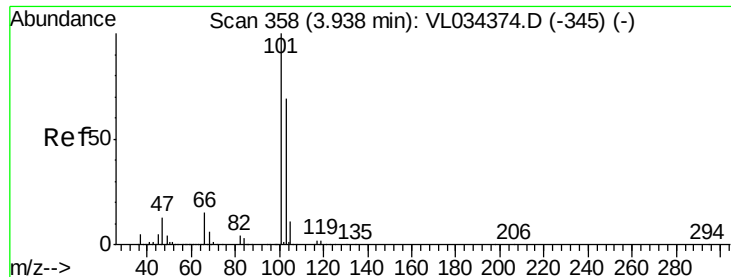
Tgt Ion: 43 Resp: 1339261

Ion Ratio Lower Upper

43 100

57 50.4 40.2 60.2





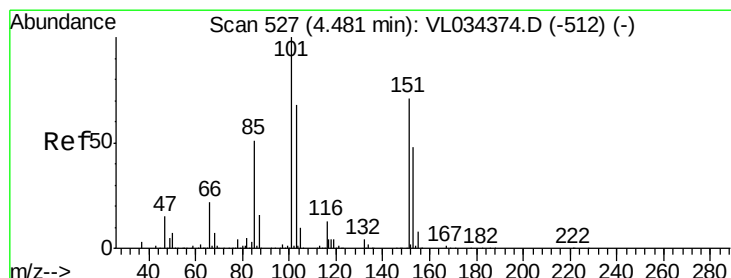
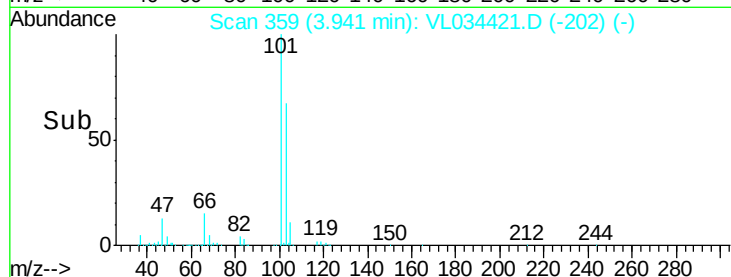
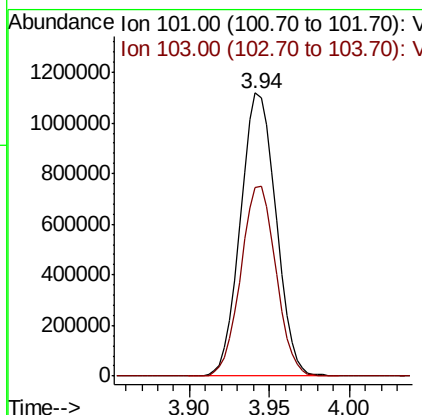
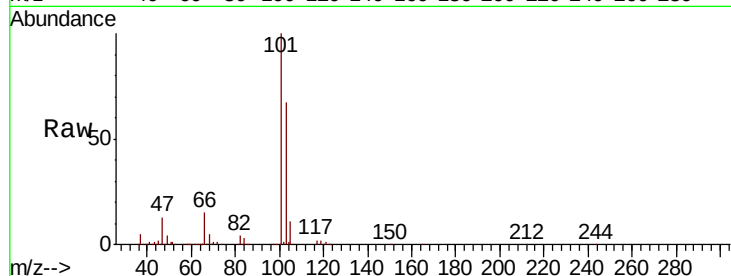
#11
 Trichlorofluoromethane
 Concen: 10.002 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1683864
 Ion Ratio Lower Upper
 101 100
 103 66.7 55.4 83.0

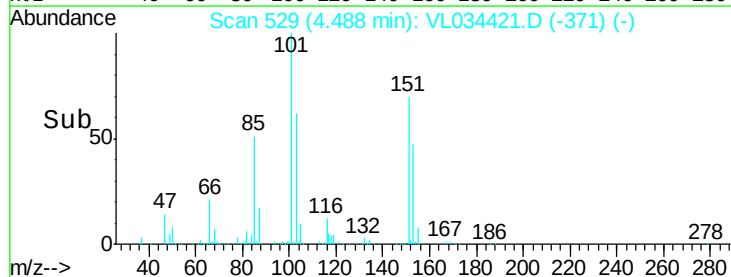
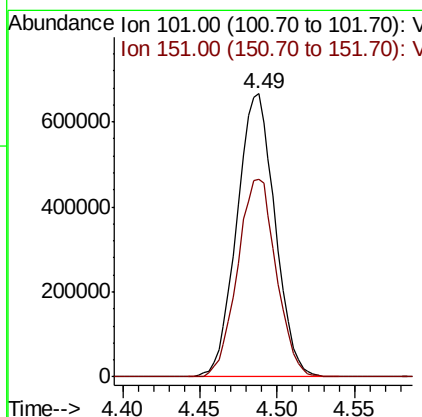
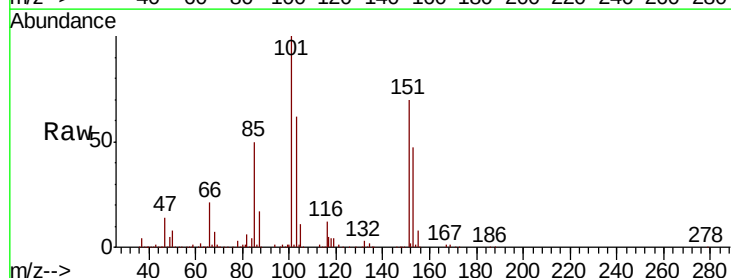
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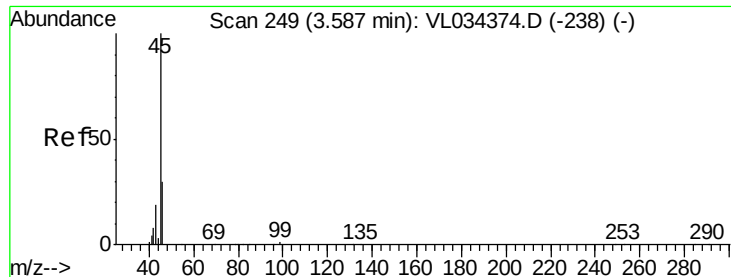
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.195 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Tgt Ion:101 Resp: 1139861
 Ion Ratio Lower Upper
 101 100
 151 70.9 57.4 86.2





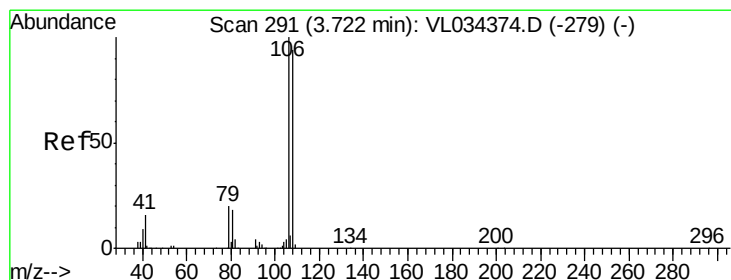
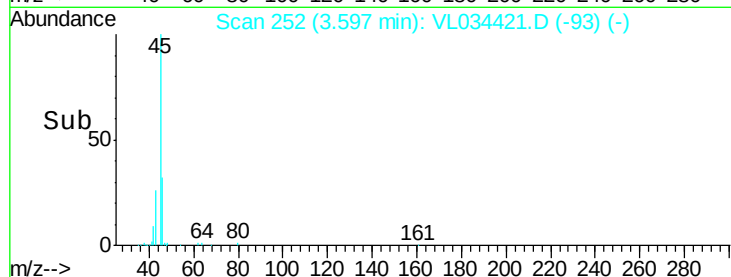
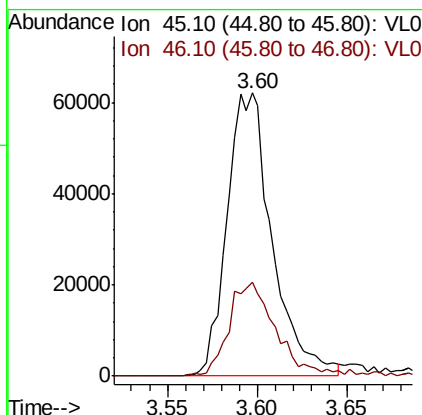
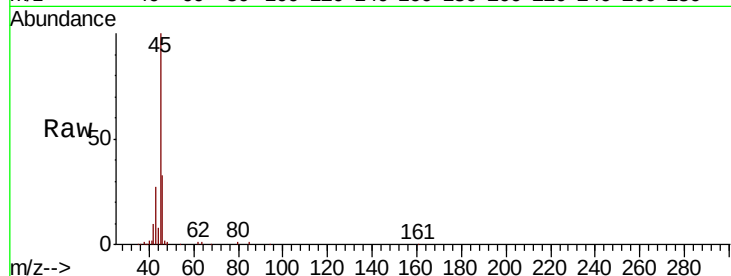
#13
Ethanol
Concen: 7.534 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	46	Ratio	Lower	Upper
45	100	0.0		13.8	55.4#

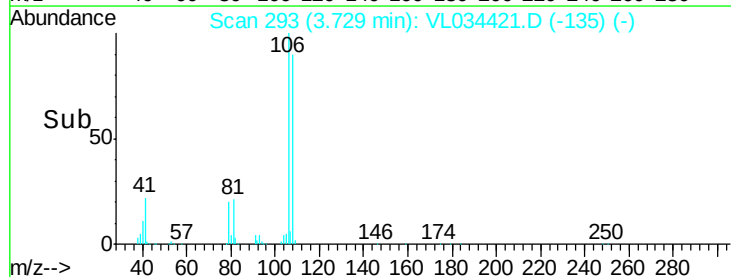
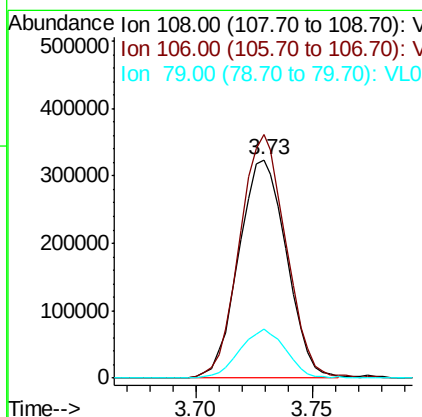
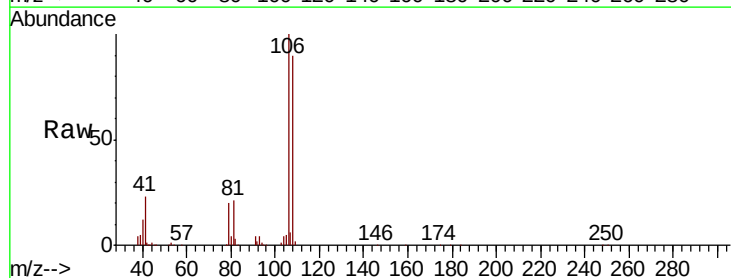
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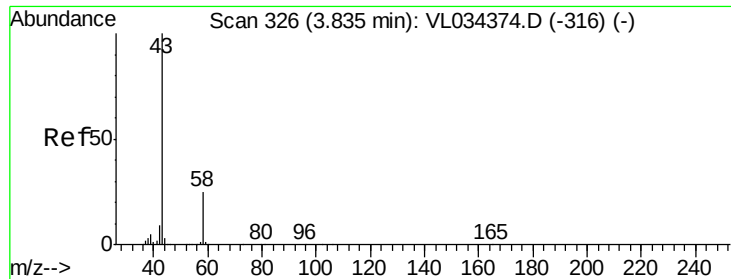
apatel
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#14
Bromoethene
Concen: 10.208 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion	108	106	79	Ratio	Lower	Upper
108	100	109.1	21.7		85.7	128.5
					17.2	25.8





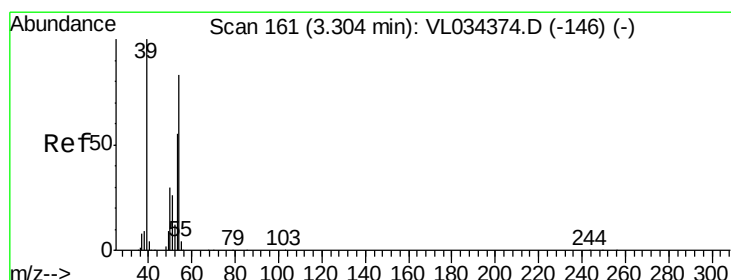
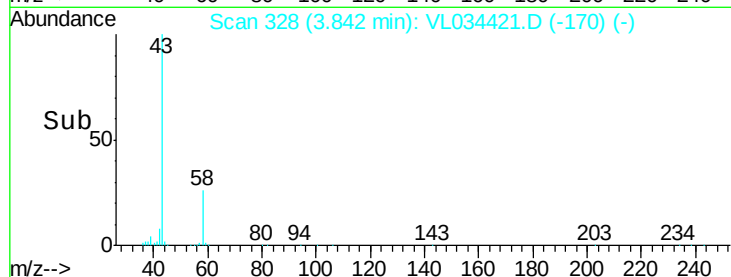
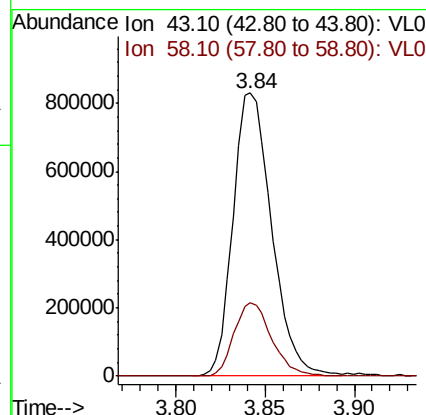
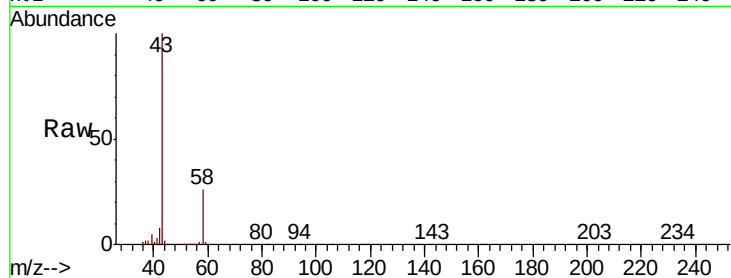
#15
Acetone
Concen: 9.313 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1247018
Ion Ratio Lower Upper
43 100
58 25.5 20.2 30.4

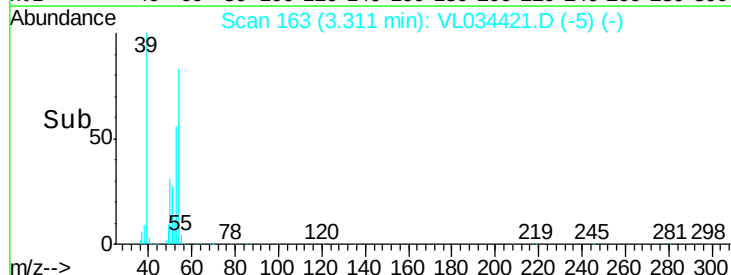
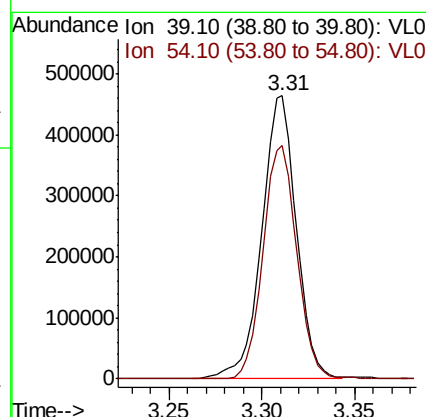
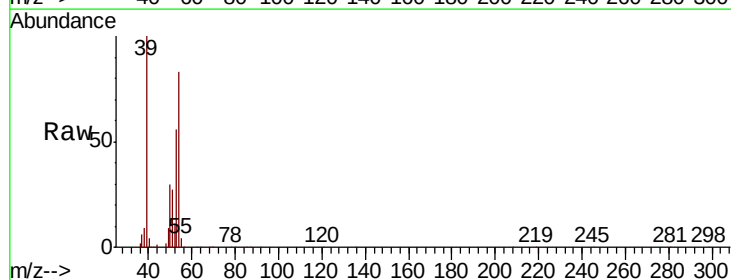
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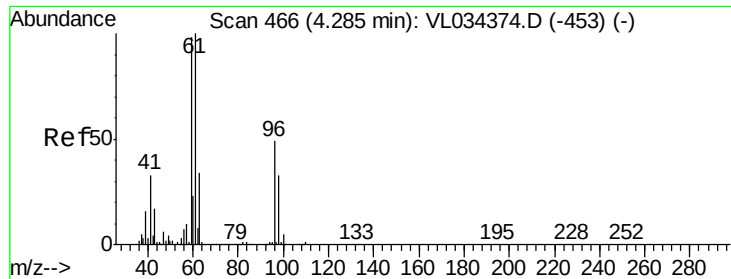
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#16
1,3-Butadiene
Concen: 10.394 ppbv
RT: 3.31 min Scan# 163
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 39 Resp: 606251
Ion Ratio Lower Upper
39 100
54 80.7 64.7 97.1





#17

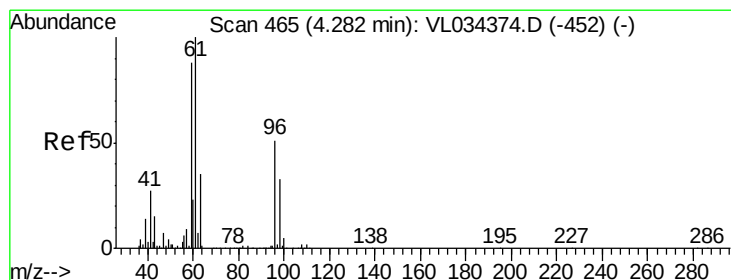
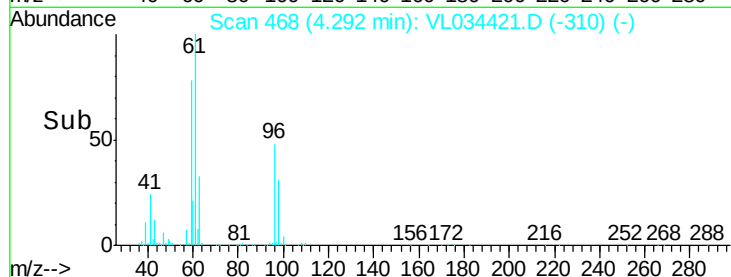
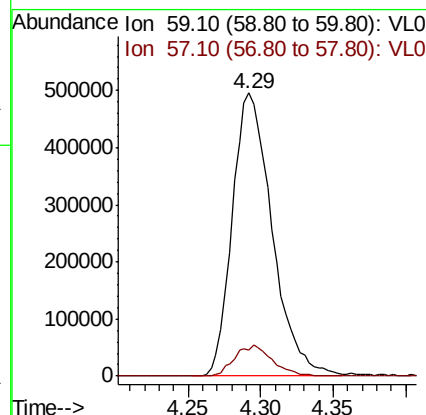
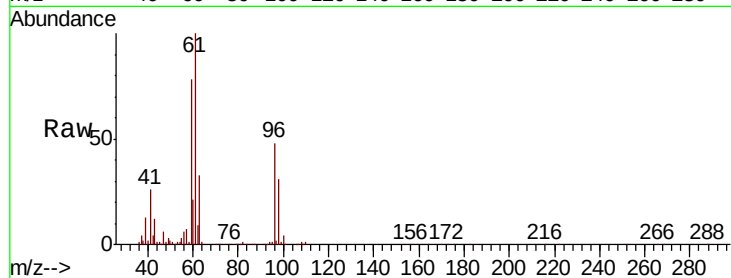
tert-Butyl alcohol
Concen: 8.378 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.8	13.2

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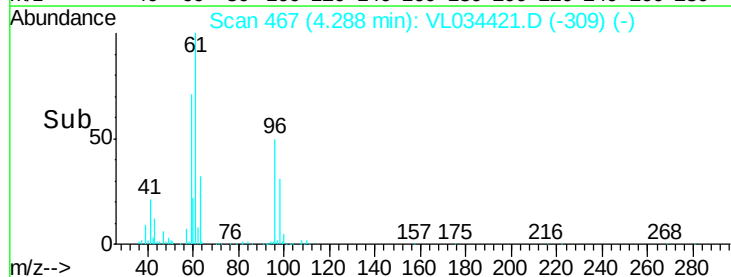
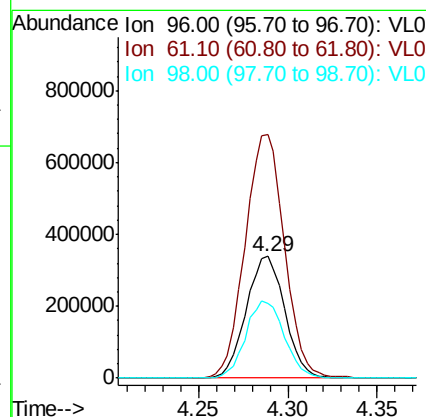
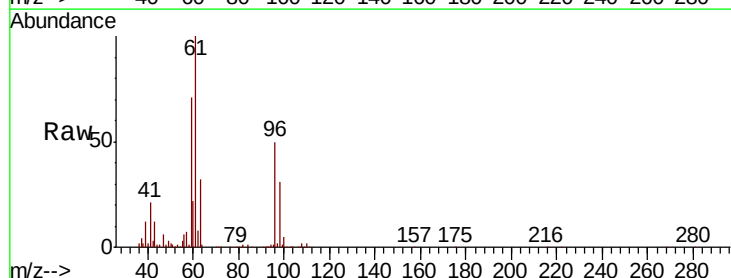
apatel
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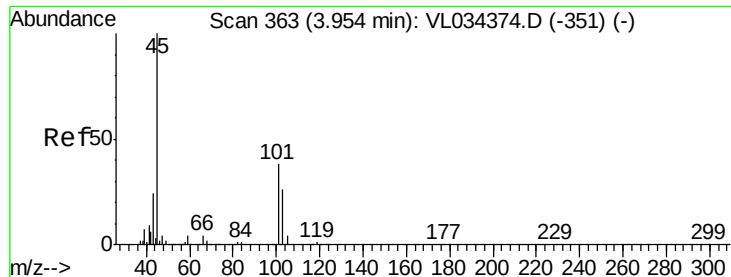


#18

1,1-Dichloroethene
Concen: 10.451 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	200.0	155.6	233.4
98	61.4	51.6	77.4





#19

Isopropyl Alcohol

Concen: 8.764 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL034421.D

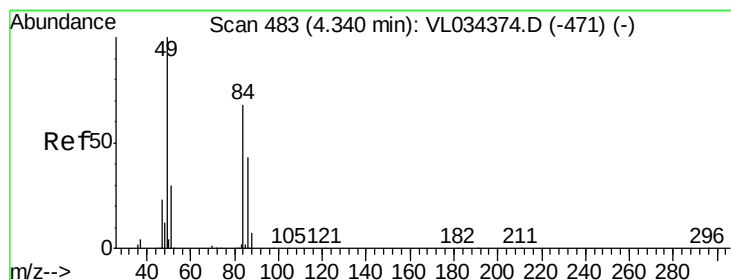
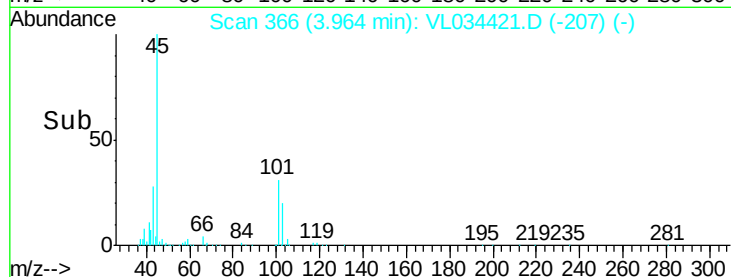
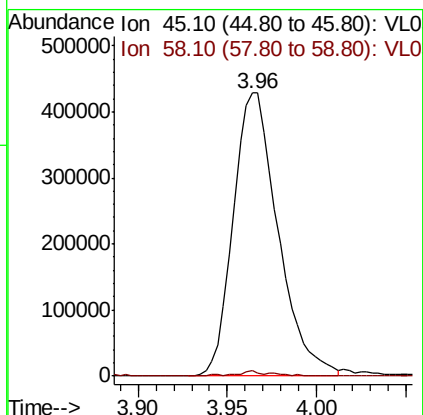
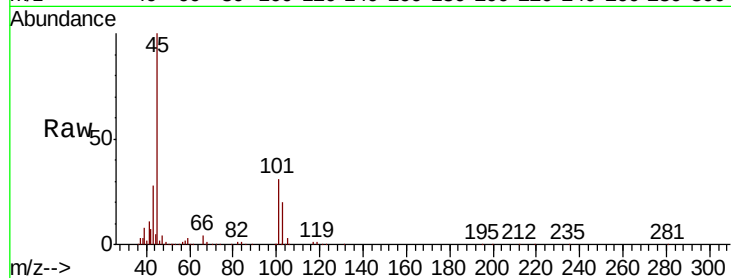
Acq: 2 Dec 2019 9:25

Tot Ion:	45	Resp:	752140
Ion Ratio	Lower	Upper	
45	100		
58	1.7	1.3	1.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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#20

Methylene Chloride

Concen: 9.265 ppbv

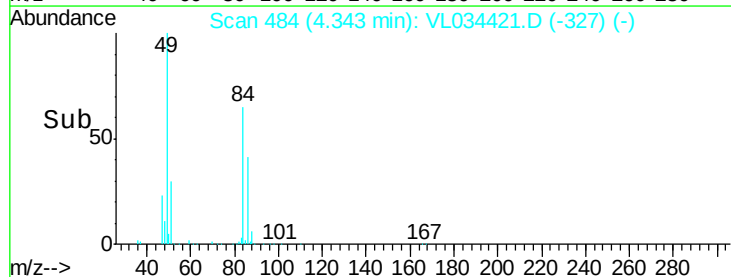
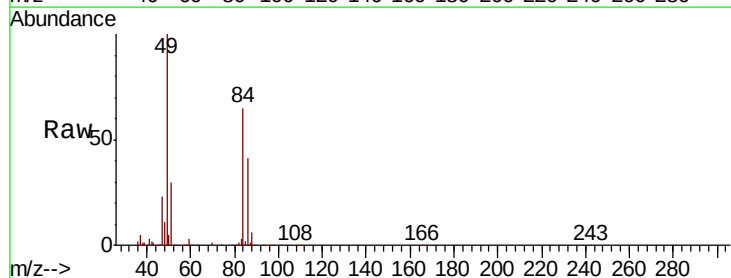
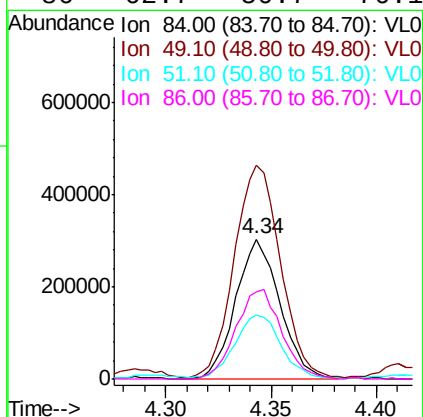
RT: 4.34 min Scan# 484

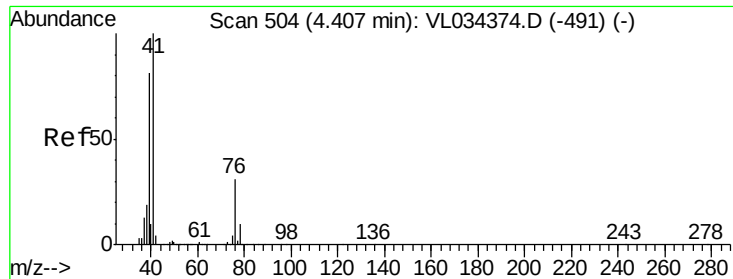
Delta R.T. 0.00 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Tgt Ion:	84	Resp:	439908
Ion Ratio	Lower	Upper	
84	100		
49	152.5	116.8	175.2
51	45.4	35.6	53.4
86	62.7	50.7	76.1





#21

Allvl Chloride

Concen: 10.913 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.00 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

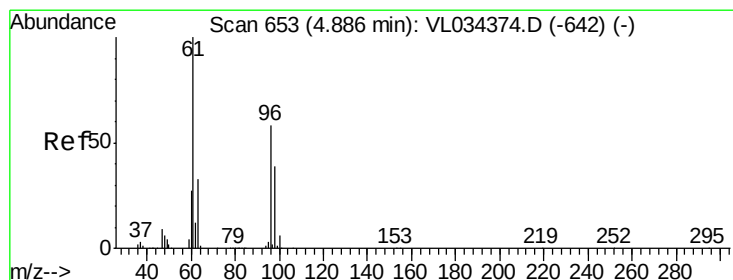
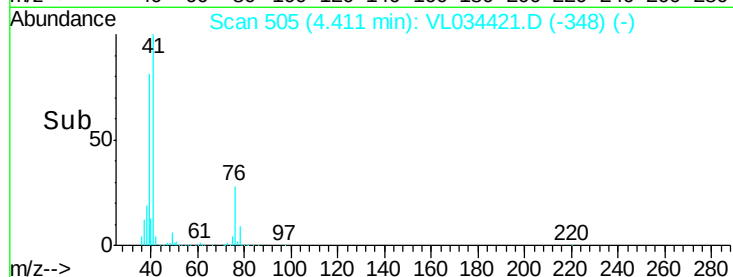
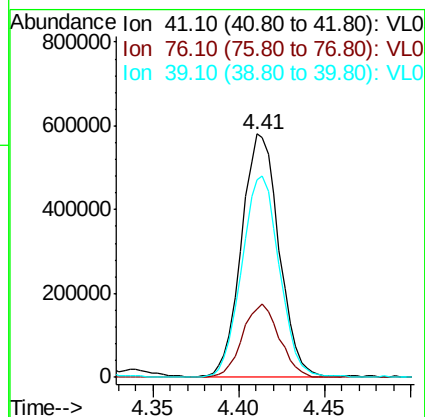
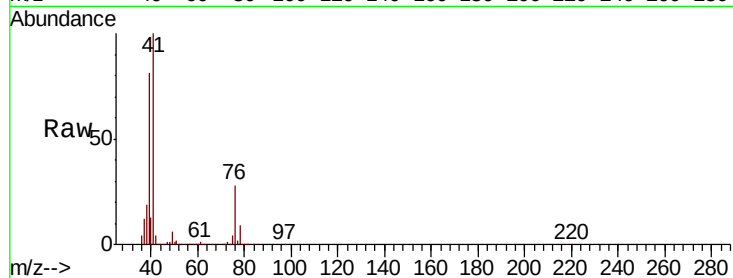
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	875594
Ion Ratio	Lower	Upper	
41	100		
76	29.7	24.2	36.2
39	83.4	66.9	100.3

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#22

trans-1,2-Dichloroethene

Concen: 10.642 ppbv

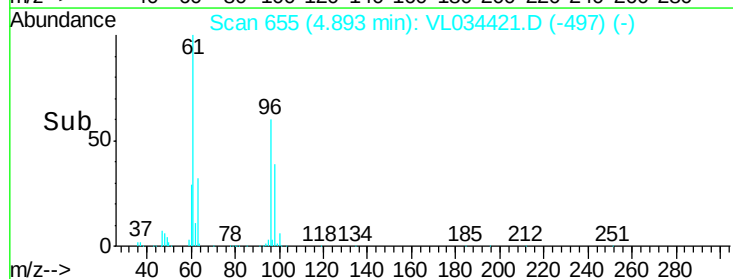
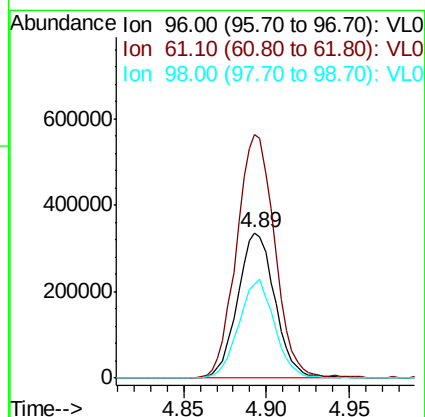
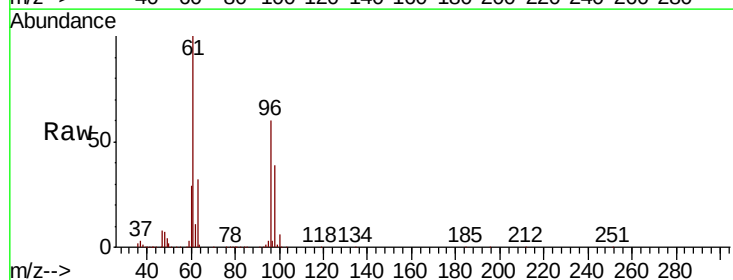
RT: 4.89 min Scan# 655

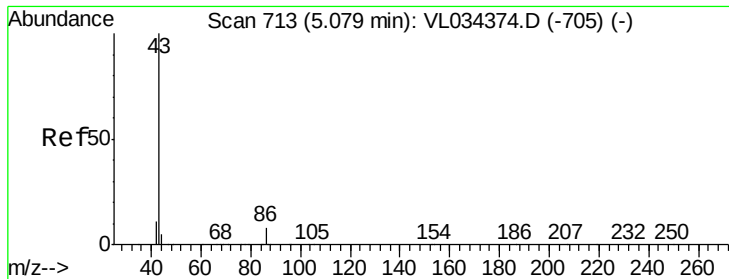
Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Tgt Ion:	96	Resp:	524637
Ion Ratio	Lower	Upper	
96	100		
61	167.8	137.9	206.9
98	64.7	53.5	80.3





#23

Vinyl Acetate

Concen: 10.563 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1847677

Ion Ratio Lower Upper

43 100

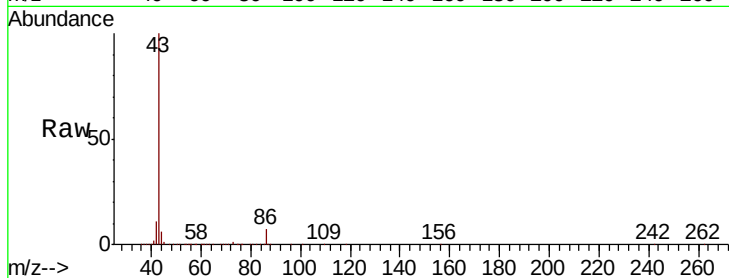
86 7.2 5.8 8.6

42 11.2 8.9 13.3

44 6.2 4.0 6.0#

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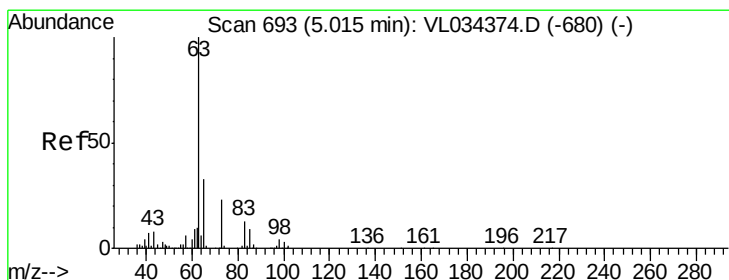
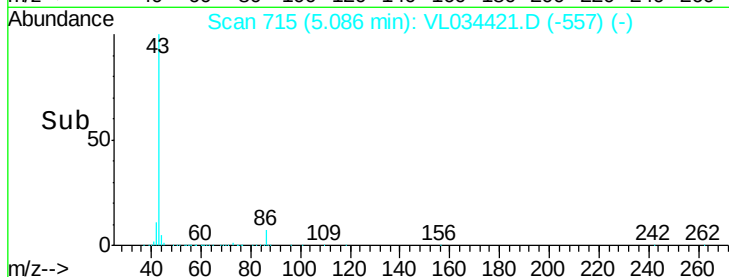
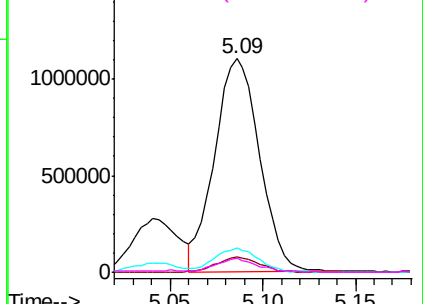


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.096 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

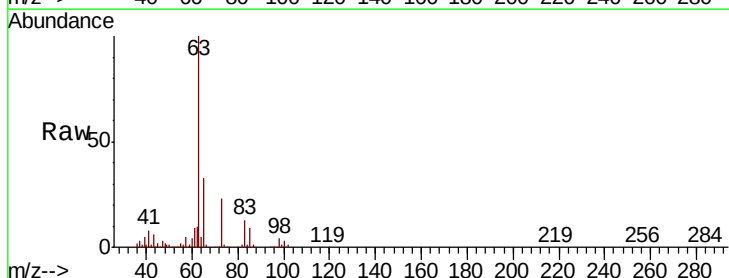
Tgt Ion: 63 Resp: 1356489

Ion Ratio Lower Upper

63 100

98 4.0 1.9 5.7

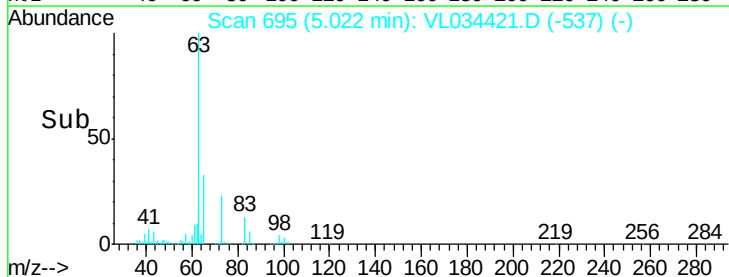
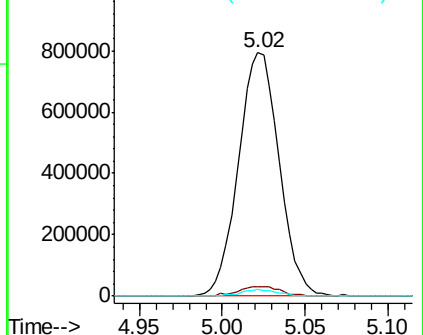
100 2.6 1.4 4.0

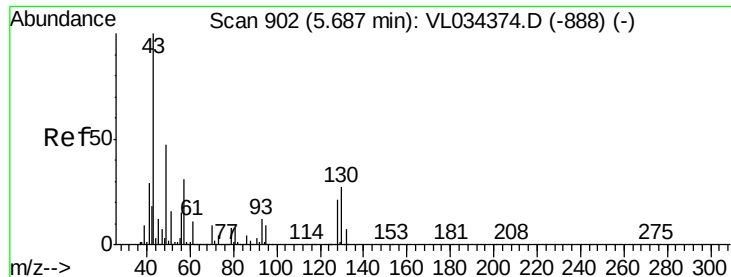


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.843 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2351884

Ion Ratio Lower Upper

43 100

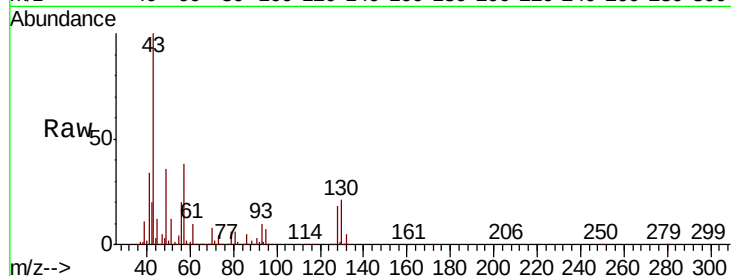
45 10.1 8.2 12.4

61 9.7 7.5 11.3

70 7.3 5.7 8.5

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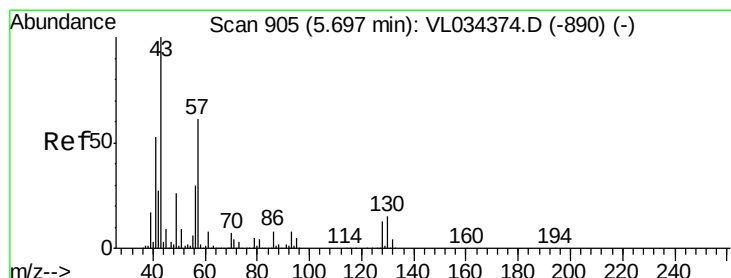
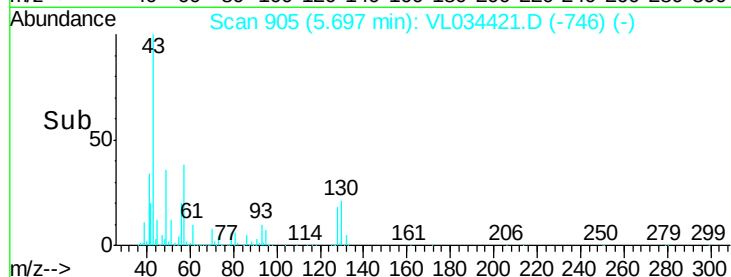
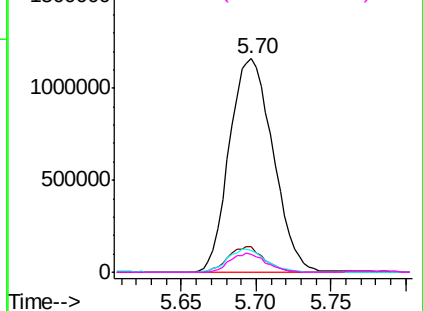


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.724 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Tgt Ion: 57 Resp: 998381

Ion Ratio Lower Upper

57 100

41 95.0 75.0 112.4

43 237.2 186.6 279.8

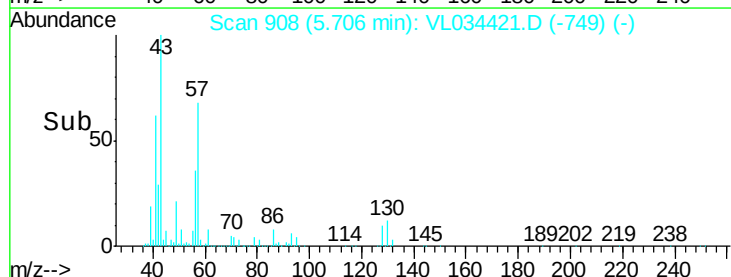
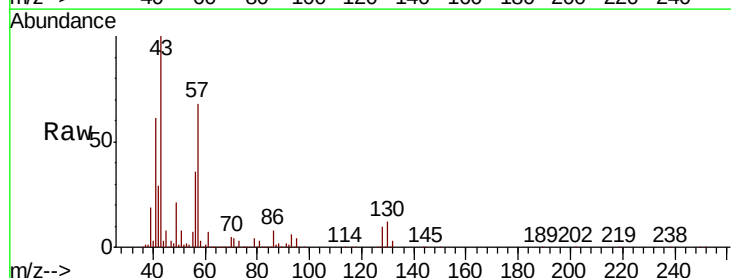
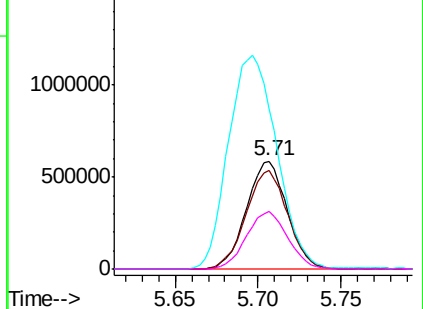
56 54.3 41.5 62.3

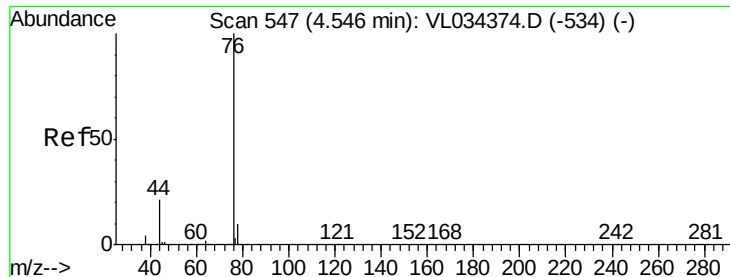
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 11.968 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion: 76 Resp: 1338360

Ion Ratio Lower Upper

76 100

44 20.0 17.0 25.4

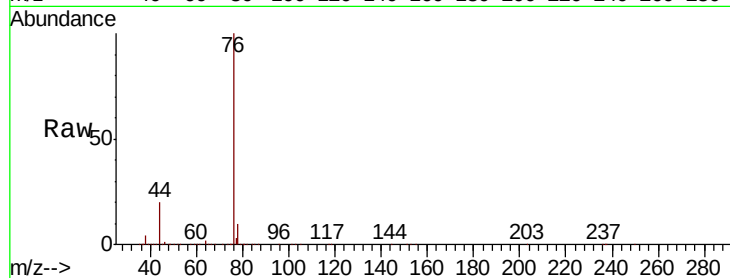
78 9.3 7.6 11.4

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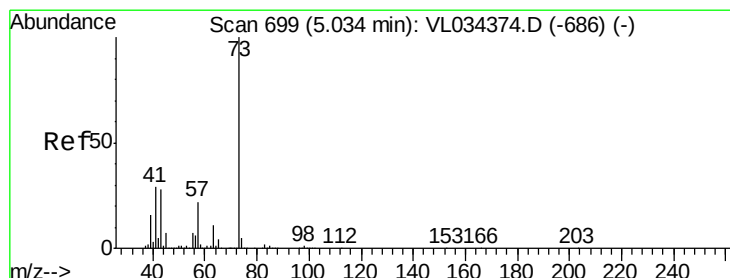
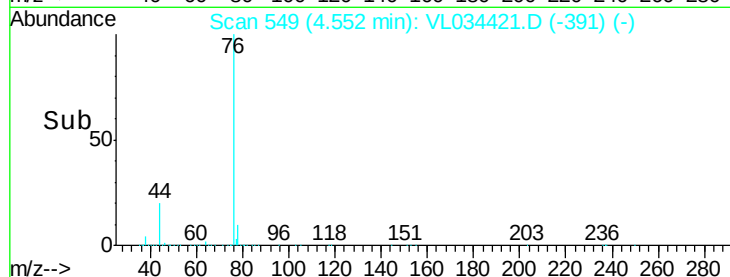
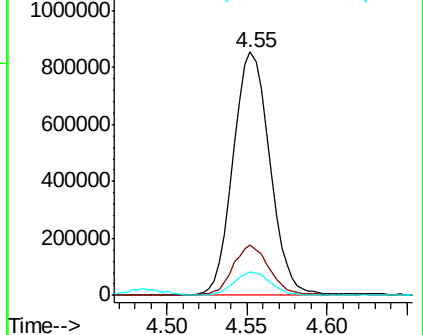
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.254 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.01 min

Lab File: VL034421.D

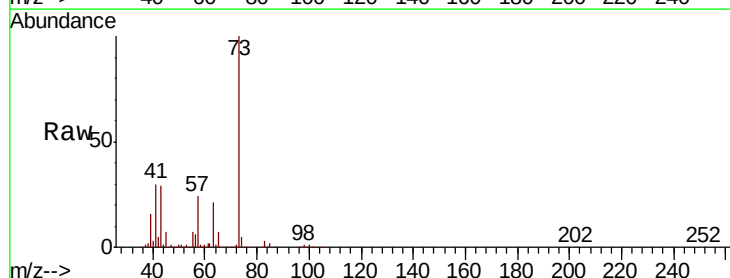
Acq: 2 Dec 2019 9:25

Tgt Ion: 73 Resp: 1745770

Ion Ratio Lower Upper

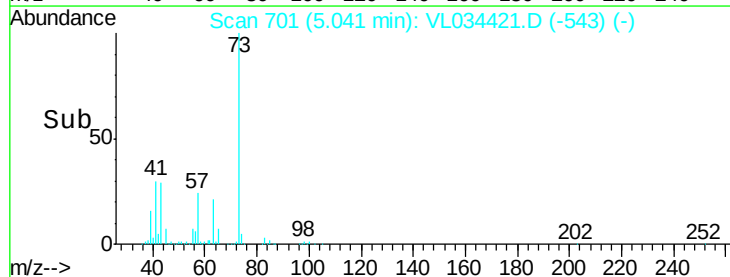
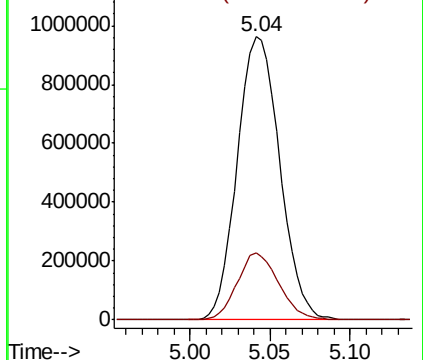
73 100

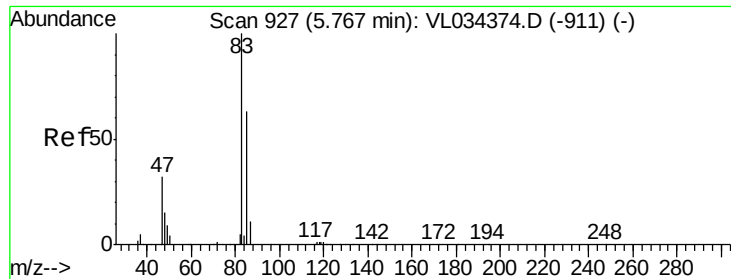
57 23.2 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





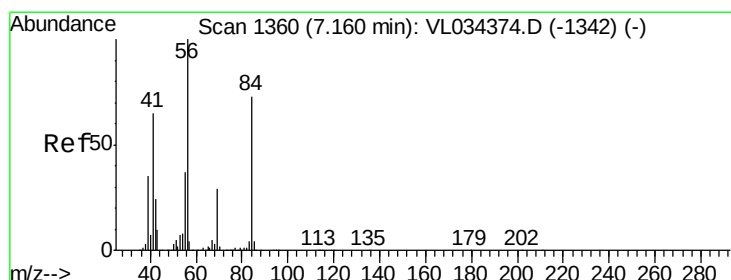
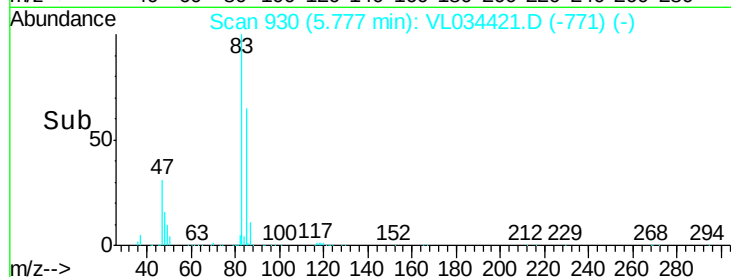
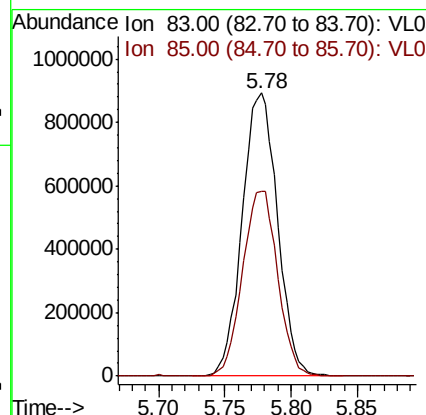
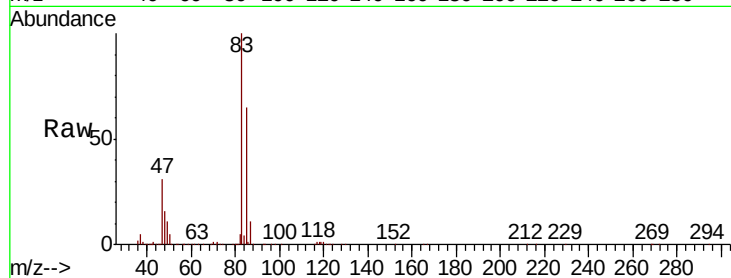
#29
Chloroform
Concen: 9.945 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1653578
Ion Ratio Lower Upper
83 100
85 65.4 50.4 75.6

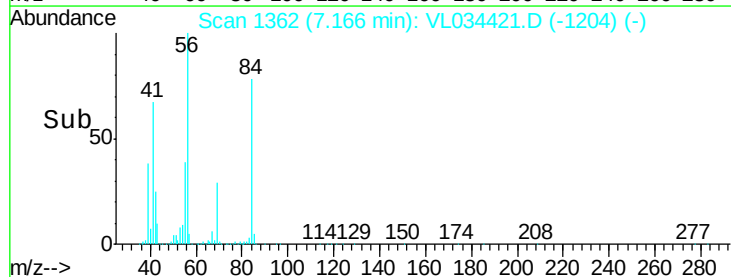
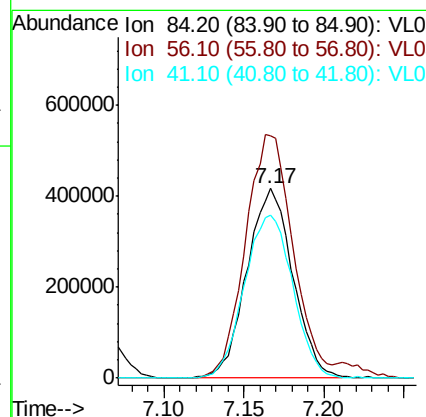
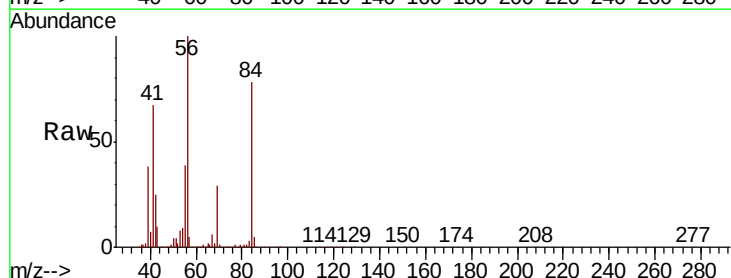
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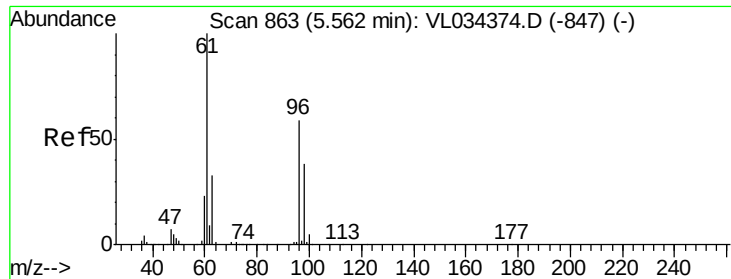
apatel
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#30
Cyclohexane
Concen: 10.554 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 84 Resp: 819221
Ion Ratio Lower Upper
84 100
56 138.6 112.6 169.0
41 90.5 73.4 110.2





#31

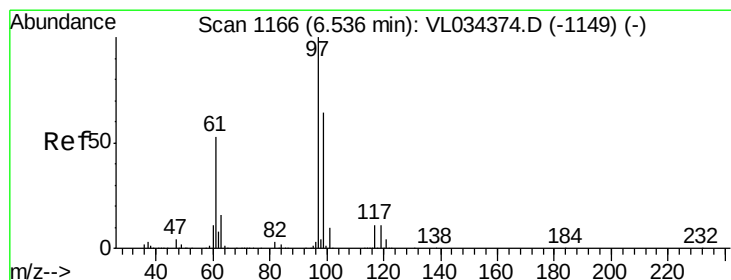
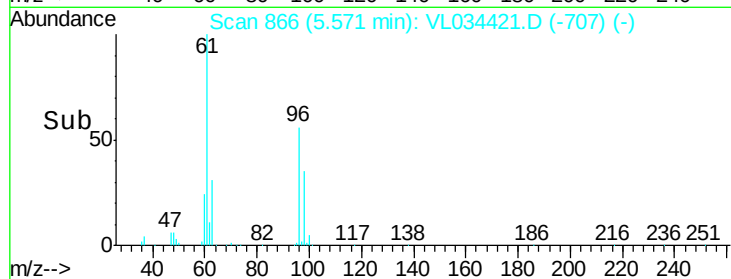
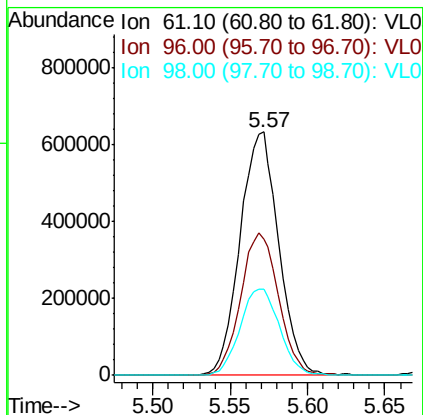
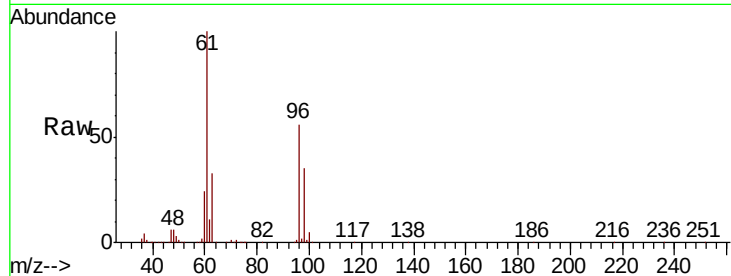
cis-1,2-Dichloroethene
Concen: 10.327 ppbv
RT: 5.57 min Scan# 866
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	56.0	47.4	71.2
98	35.3	30.6	45.8

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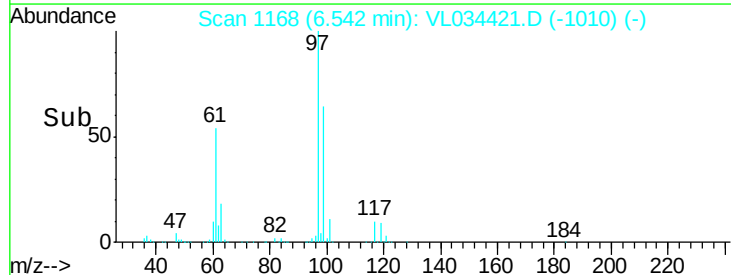
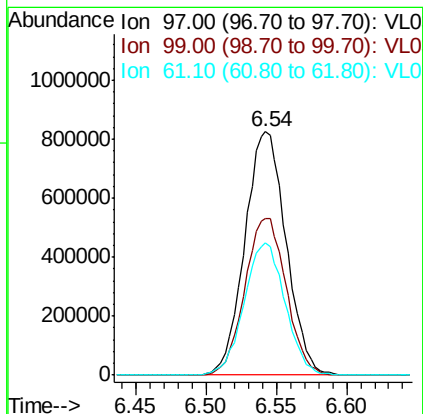
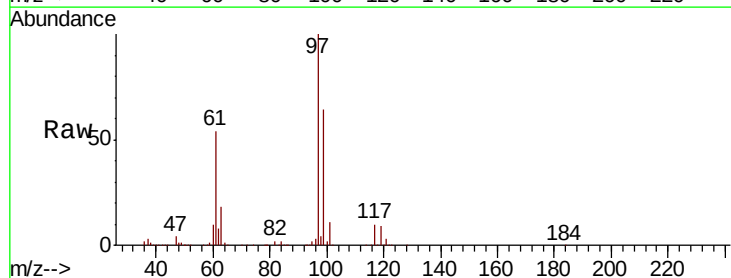
apatel
12/4/2019 4:46:10 PM

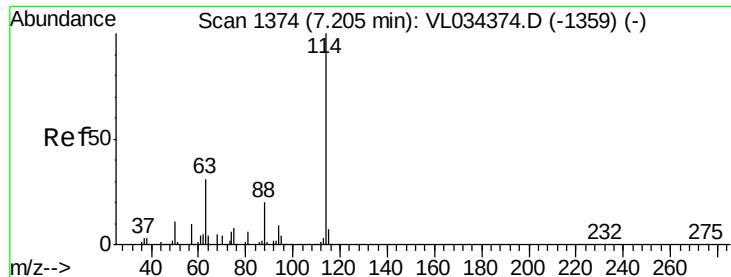


#32

1,1,1-Trichloroethane
Concen: 10.819 ppbv
RT: 6.54 min Scan# 1168
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.3	78.5
61	54.1	43.7	65.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1377

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

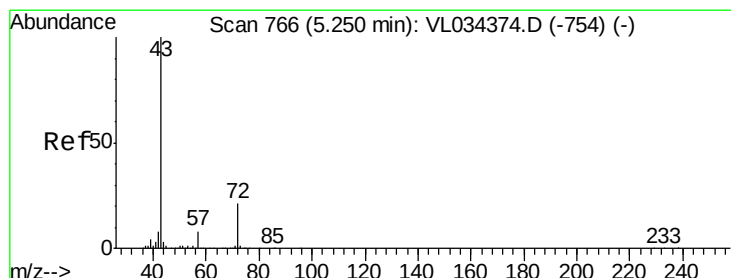
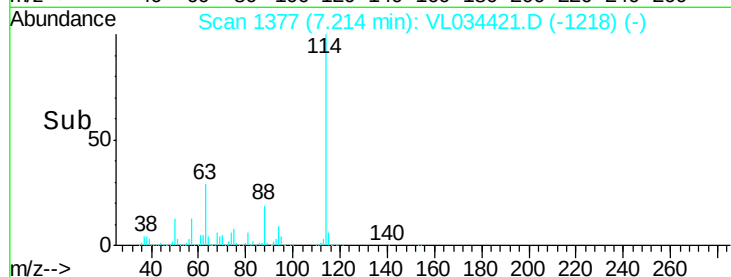
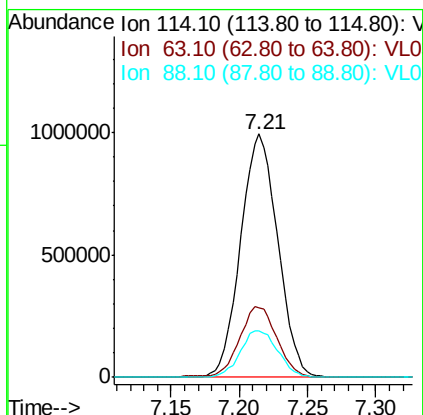
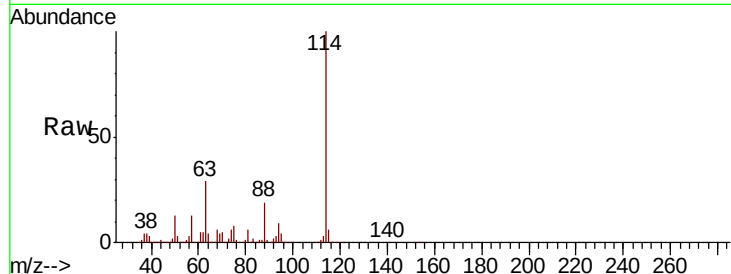
ClientSampled :

VSTDCCC010

Tot Ion:	114	Resp:	1882343
Ion	Ratio	Lower	Upper
114	100		
63	29.8	24.2	36.4
88	19.5	15.9	23.9

Manual Integrations
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#34

2-Butanone

Concen: 10.104 ppbv

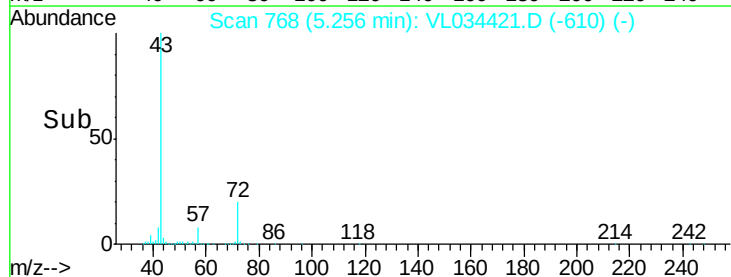
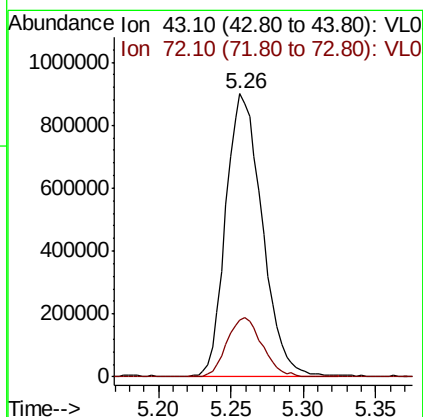
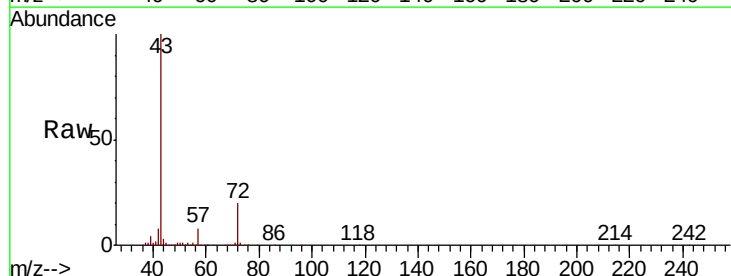
RT: 5.26 min Scan# 768

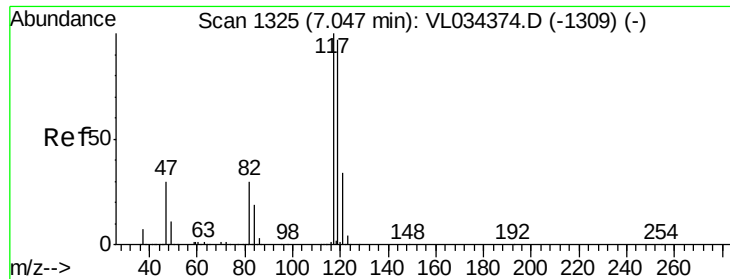
Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Tgt Ion:	43	Resp:	1565553
Ion	Ratio	Lower	Upper
43	100		
72	20.7	17.0	25.6





#35

Carbon Tetrachloride

Concen: 10.962 ppbv

RT: 7.06 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1774094

Ion Ratio Lower Upper

117 100

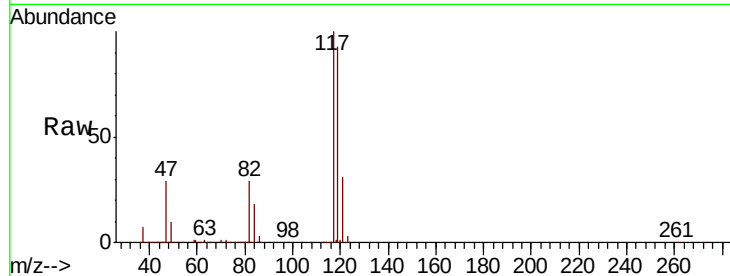
119 93.0 77.3 115.9

121 31.4 27.4 41.2

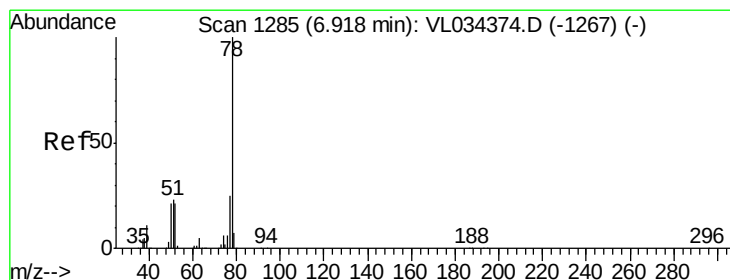
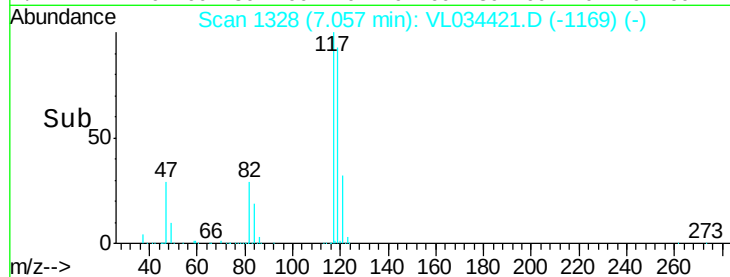
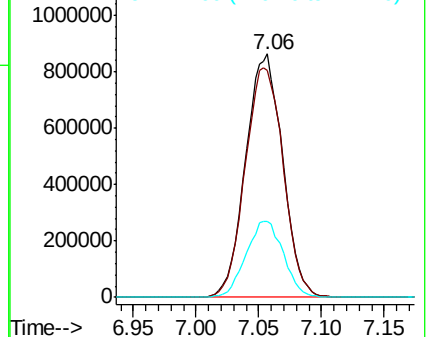
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.215 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

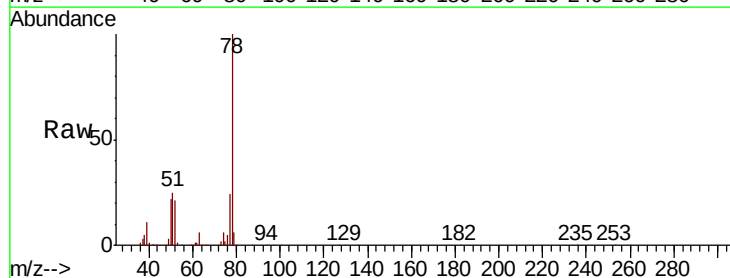
Tgt Ion: 78 Resp: 1922209

Ion Ratio Lower Upper

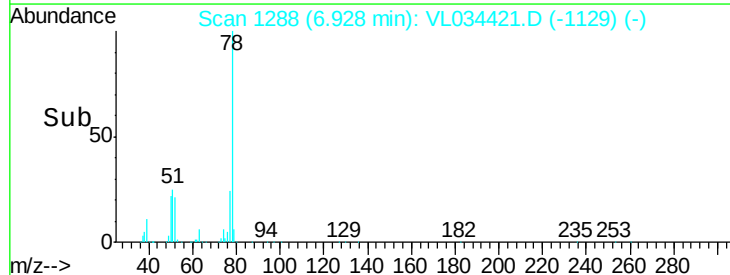
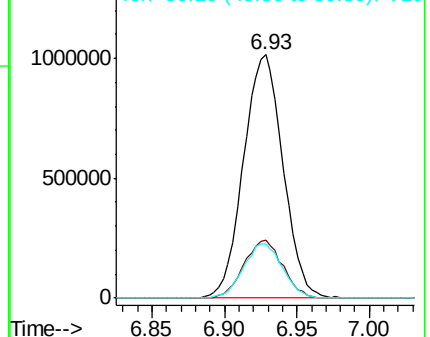
78 100

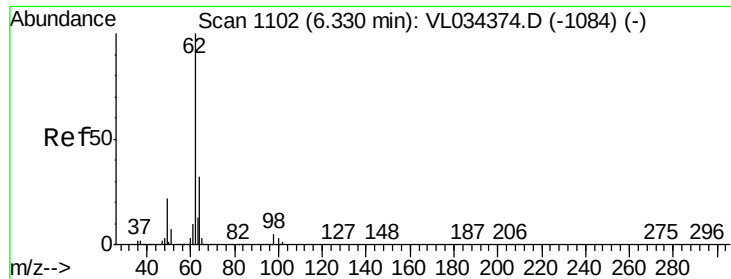
77 23.8 20.2 30.4

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





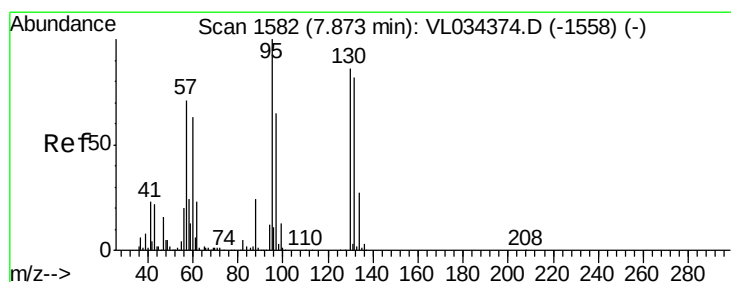
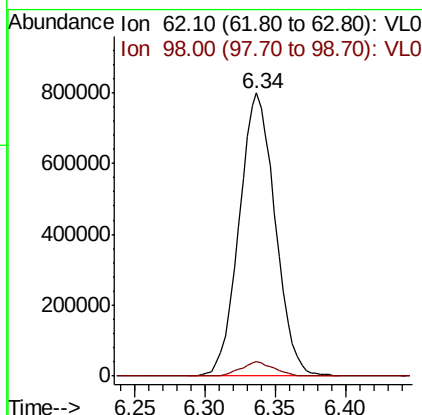
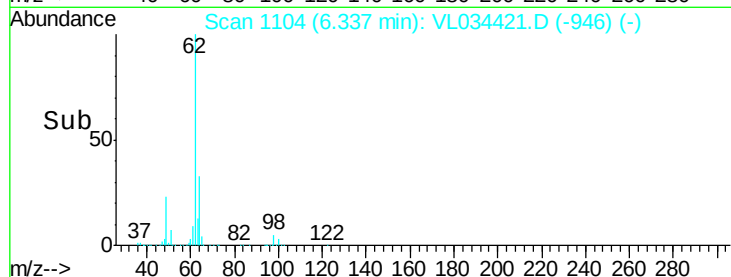
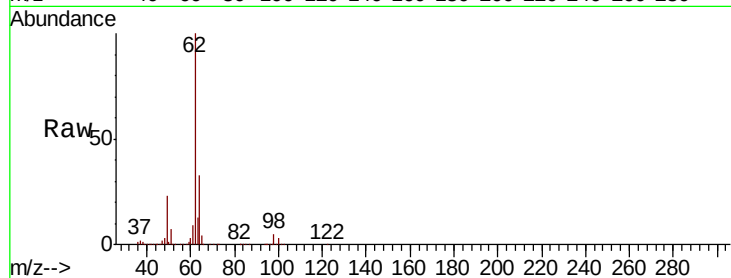
#37
 1,2-Dichloroethane
 Concen: 10.215 ppbv
 RT: 6.34 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1427940
 Ion Ratio Lower Upper
 62 100
 98 4.8 3.8 5.8

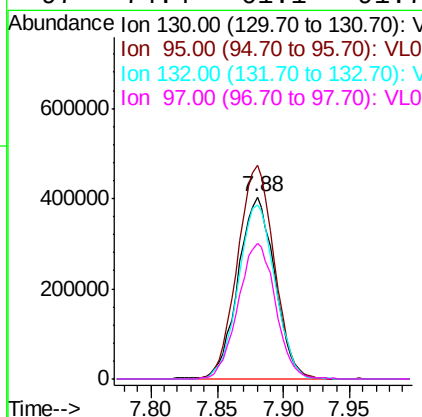
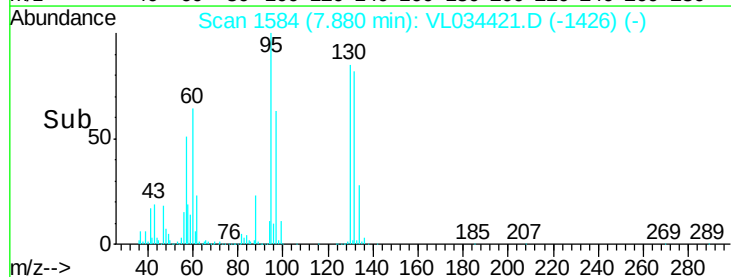
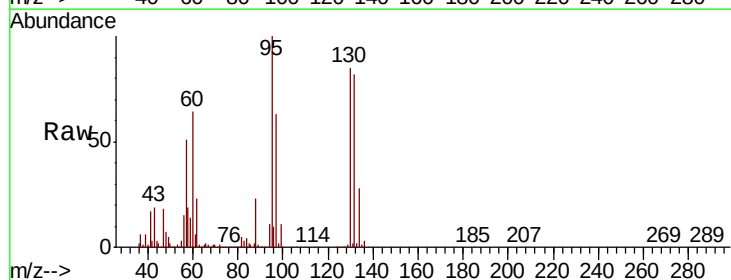
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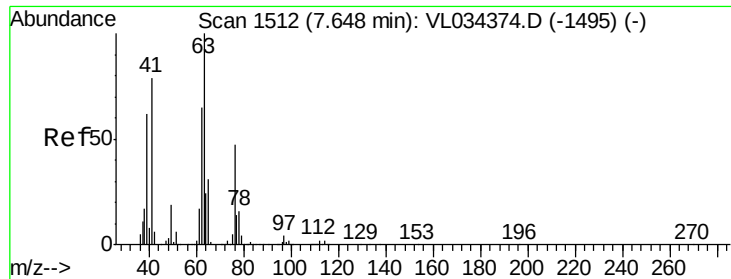
apatel
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#38
 Trichloroethene
 Concen: 10.039 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Tgt Ion: 130 Resp: 775227
 Ion Ratio Lower Upper
 130 100
 95 117.1 93.4 140.0
 132 95.6 76.4 114.6
 97 74.4 61.1 91.7





#39

1,2-Dichloropropane

Concen: 11.121 ppbv

RT: 7.65 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

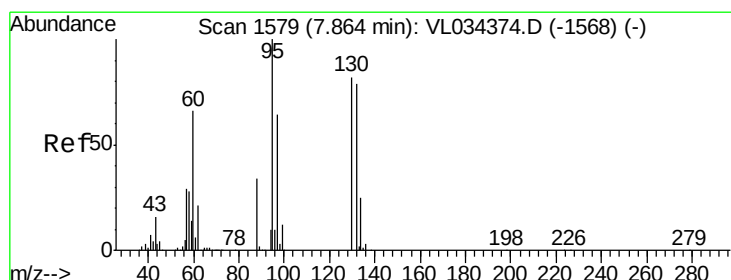
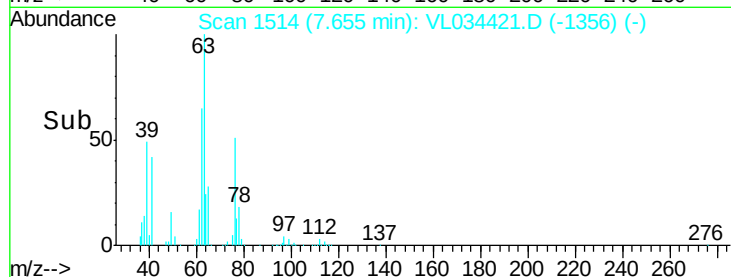
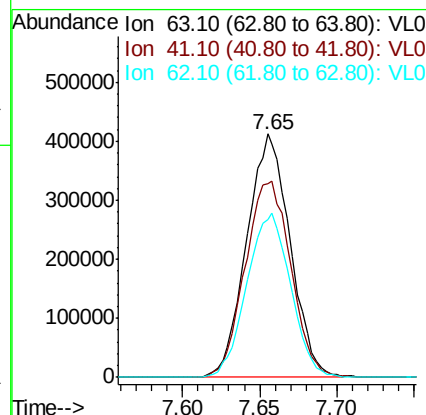
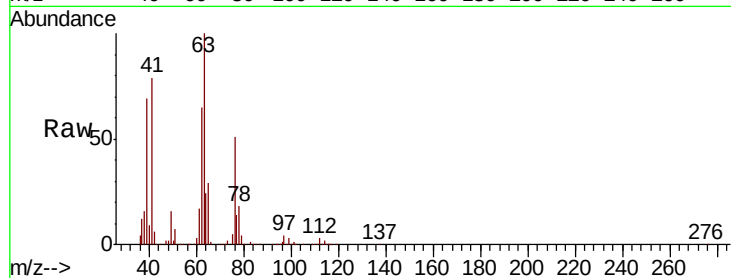
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	806150
Ion Ratio	Lower	Upper	
63	100		
41	79.3	63.1	94.7
62	64.8	52.3	78.5

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.785 ppbv

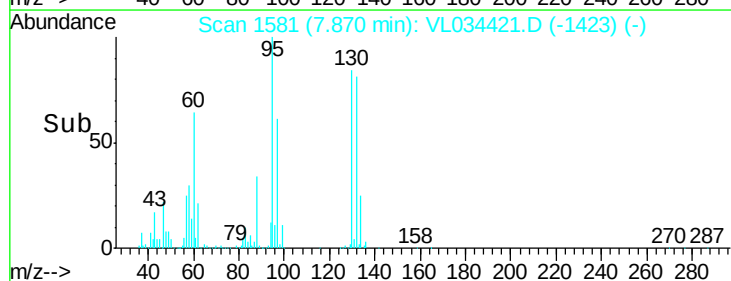
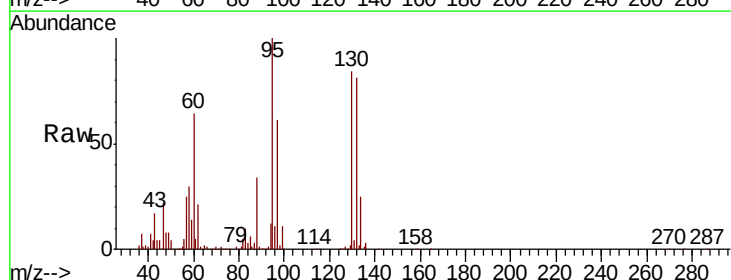
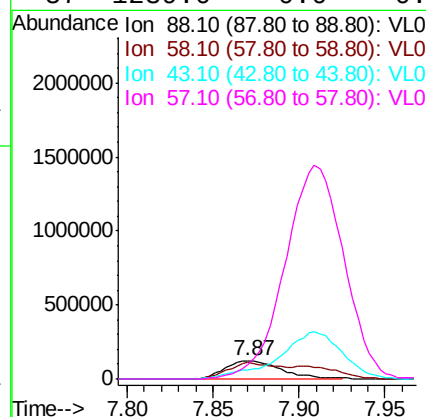
RT: 7.87 min Scan# 1581

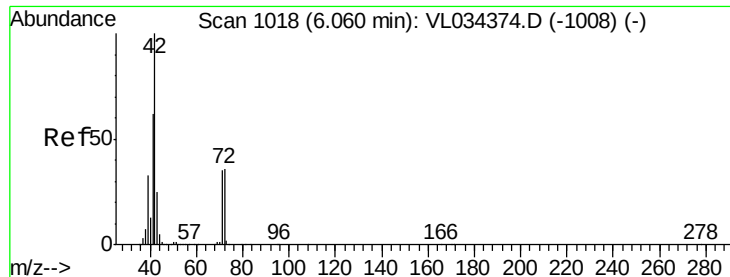
Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Tgt Ion:	88	Resp:	278203
Ion Ratio	Lower	Upper	
88	100		
58	140.6	109.5	164.3
43	296.1	0.0	0.0#
57	1239.0	0.0	0.0#





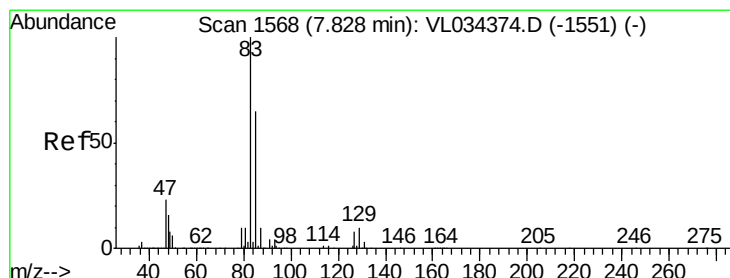
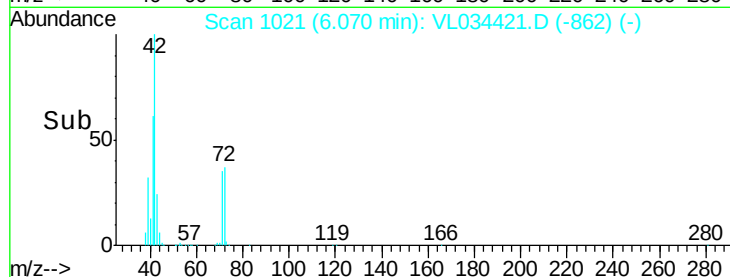
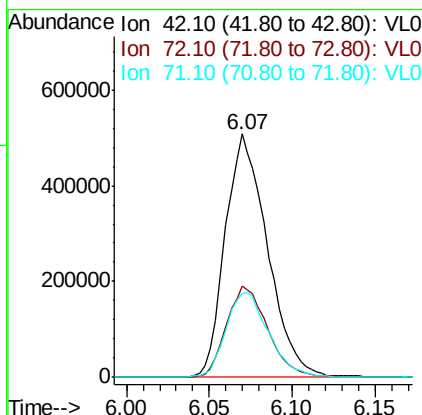
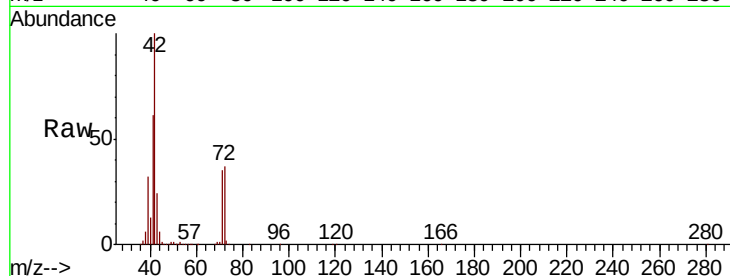
#41
Tetrahydrofuran
Concen: 10.312 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.2	45.4
71	35.7	29.4	44.2

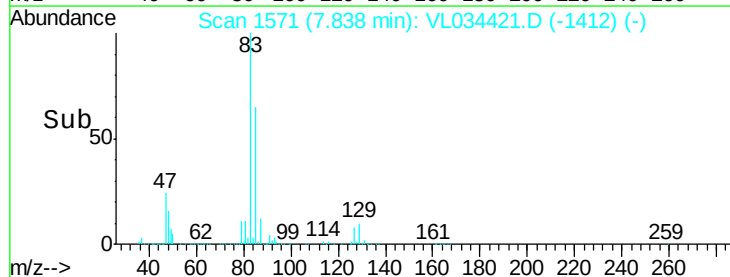
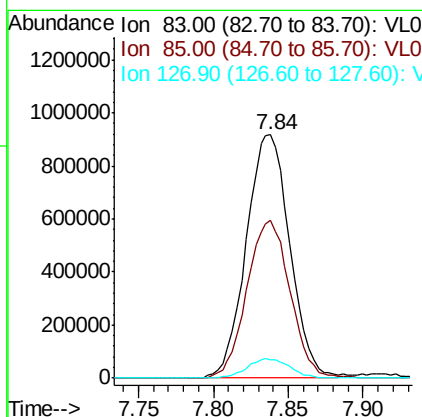
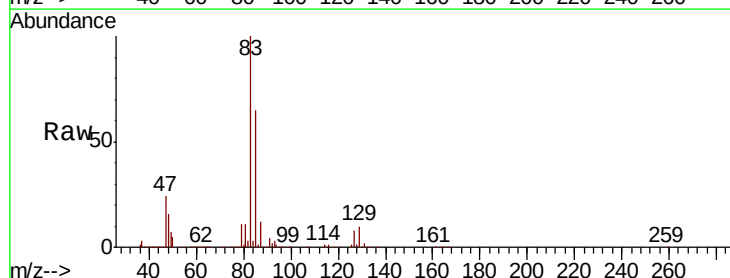
Manual Integrations
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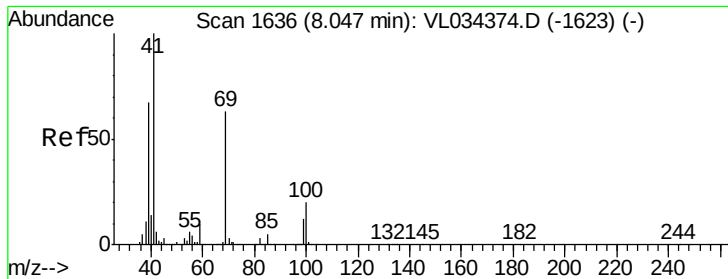
apatel
12/4/2019 4:46:10 PM



#42
Bromodichloromethane
Concen: 10.619 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.3	78.5
127	7.7	6.1	9.1





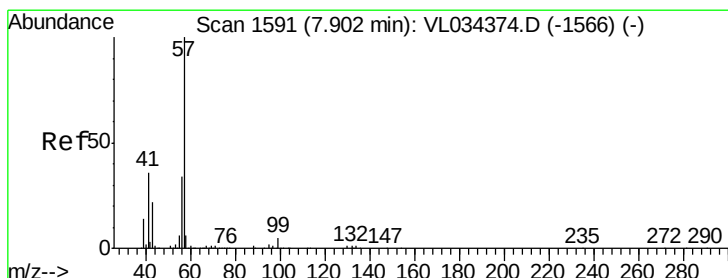
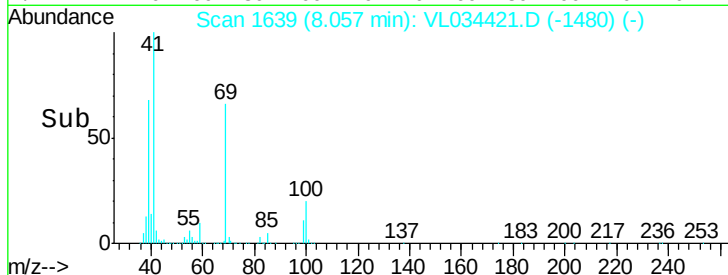
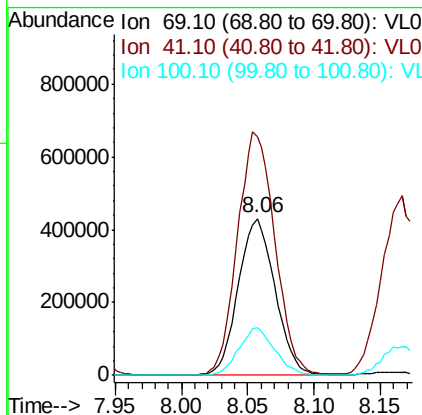
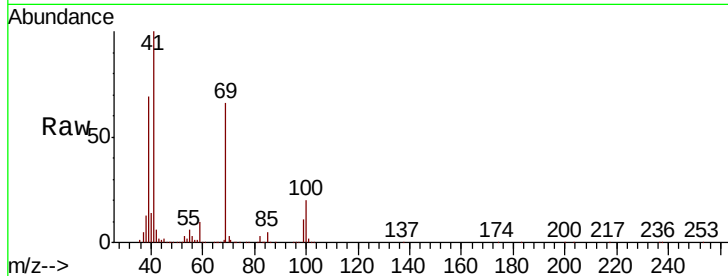
#43
Methyl Methacrylate
Concen: 10.632 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	158.4	127.4	191.2	
100	29.5	24.2	36.4	

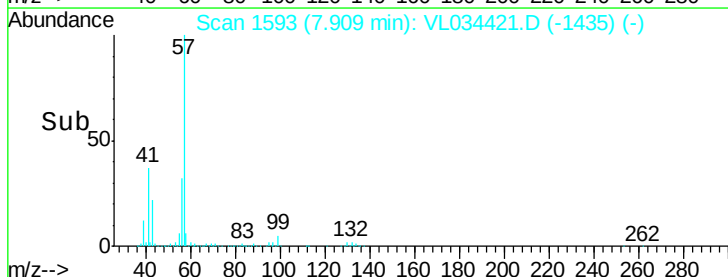
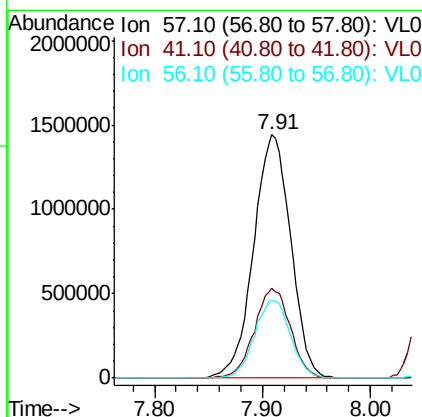
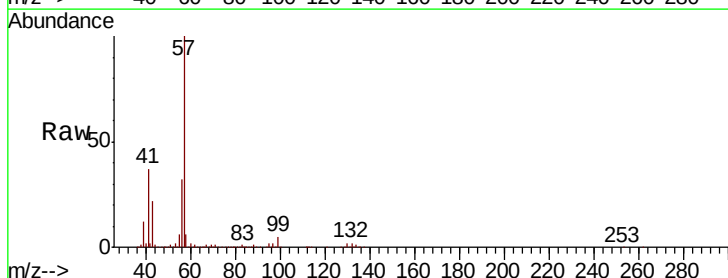
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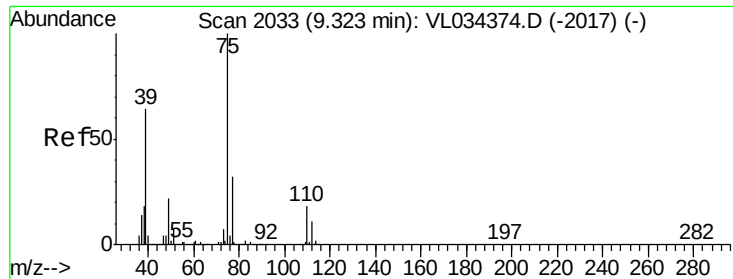
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#44
2,2,4-Trimethylpentane
Concen: 10.009 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.6	28.6	42.8	
56	31.2	25.3	37.9	





#45

t-1,3-Dichloropropene

Concen: 11.683 ppbv

RT: 9.33 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1169367

Ion Ratio Lower Upper

75 100

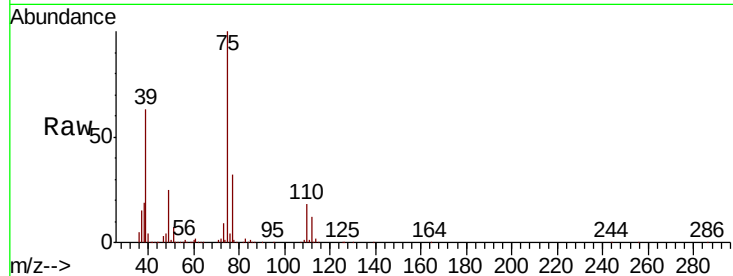
77 32.3 25.4 38.2

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.33

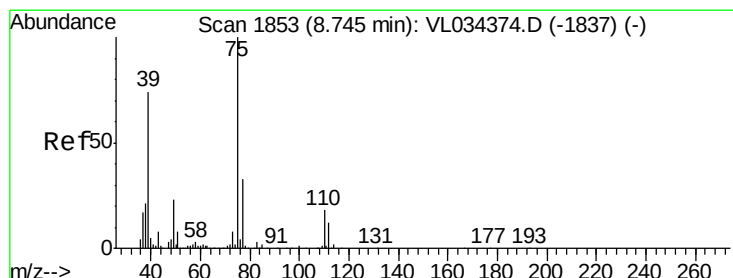
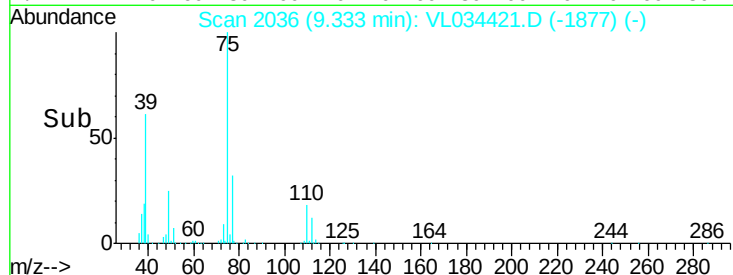
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.615 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

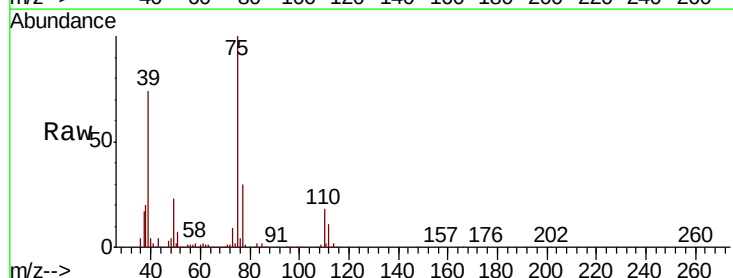
Tgt Ion: 75 Resp: 1305780

Ion Ratio Lower Upper

75 100

39 73.4 59.0 88.6

77 30.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.75

800000

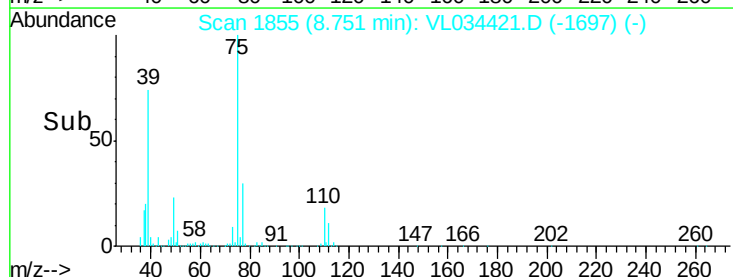
600000

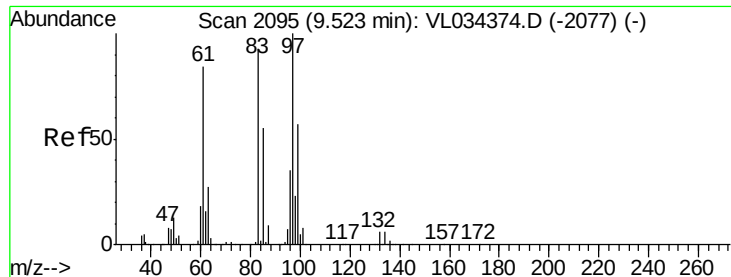
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.274 ppbv

RT: 9.53 min Scan# 2098

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

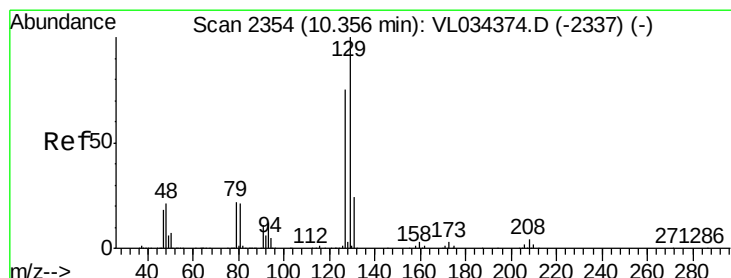
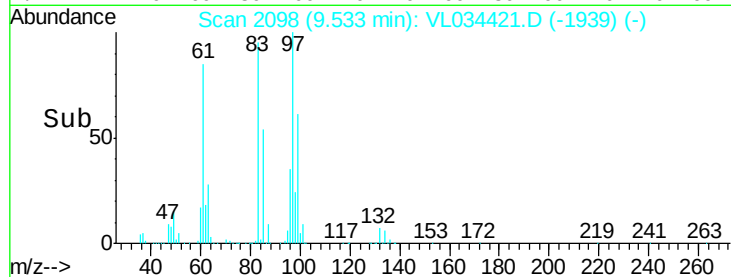
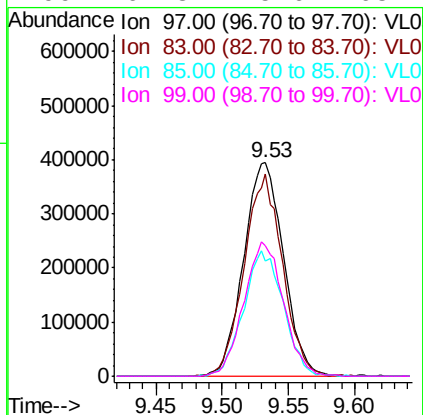
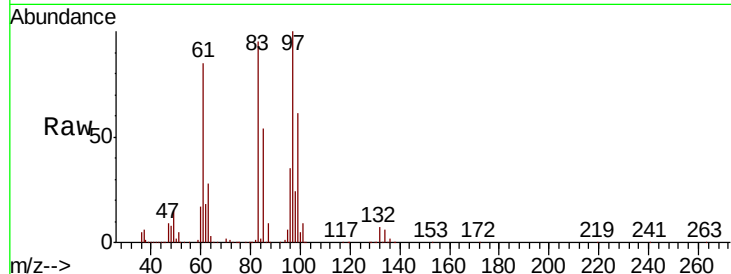
ClientSampleId :

VSTDCCC010

Tot Ion:	97	Resp:	828538
Ion Ratio	Lower	Upper	
97	100		
83	94.5	74.6	112.0
85	53.8	43.8	65.8
99	61.3	45.6	68.4

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12/4/2019 4:46:10 PM



#48

Dibromochloromethane

Concen: 11.271 ppbv

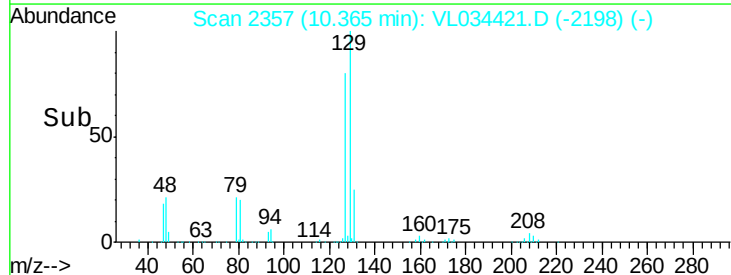
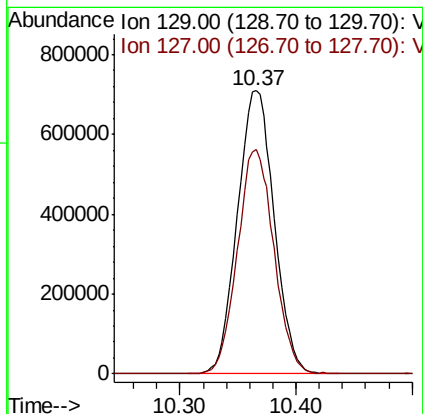
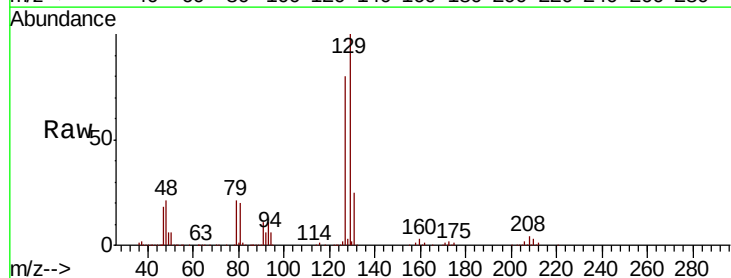
RT: 10.37 min Scan# 2357

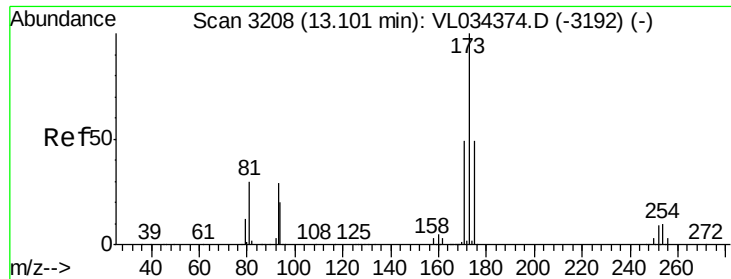
Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Tgt Ion:	129	Resp:	1560518
Ion Ratio	Lower	Upper	
129	100		
127	78.8	39.1	117.5





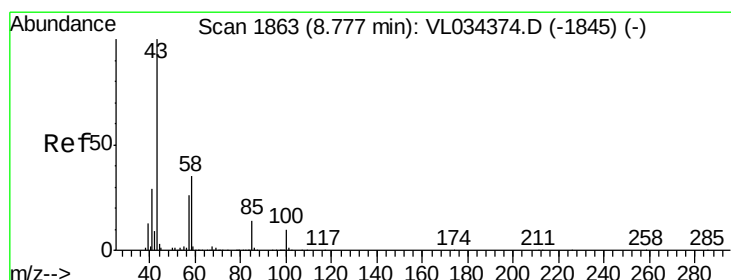
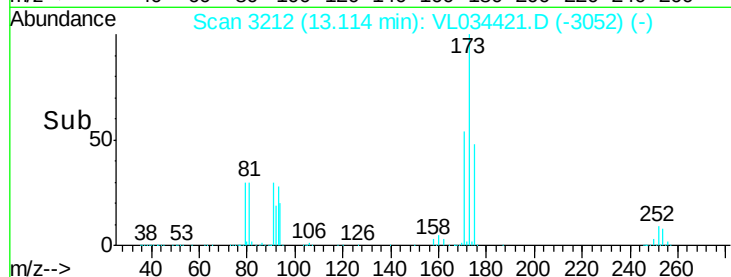
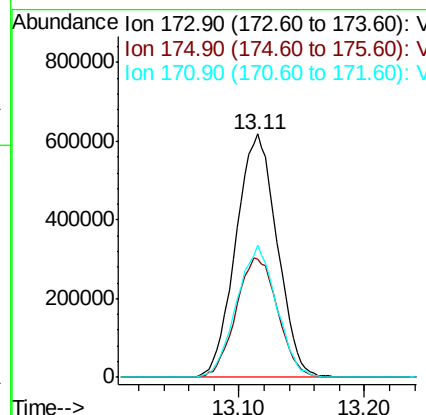
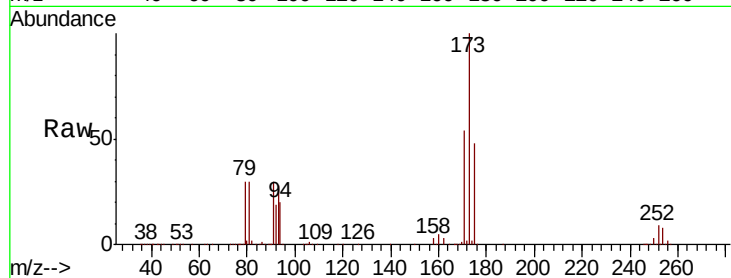
#49
Bromoform
Concen: 11.371 ppbv
RT: 13.11 min Scan# 3212
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1405384
Ion Ratio Lower Upper
173 100
175 50.1 39.3 58.9
171 53.0 42.4 63.6

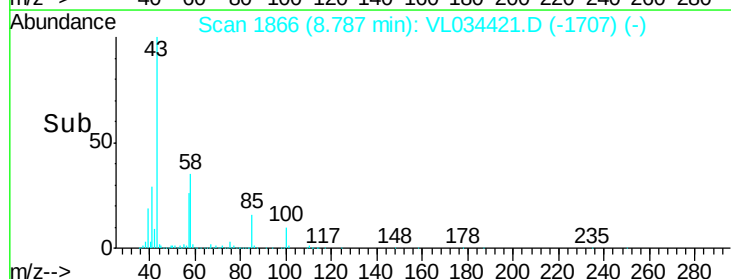
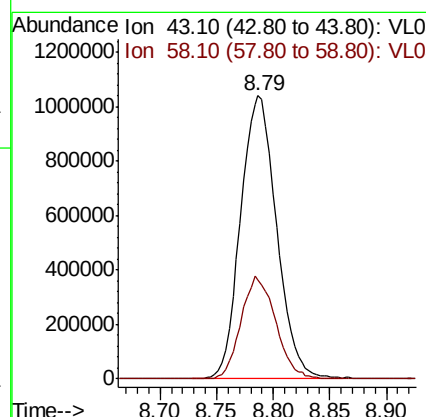
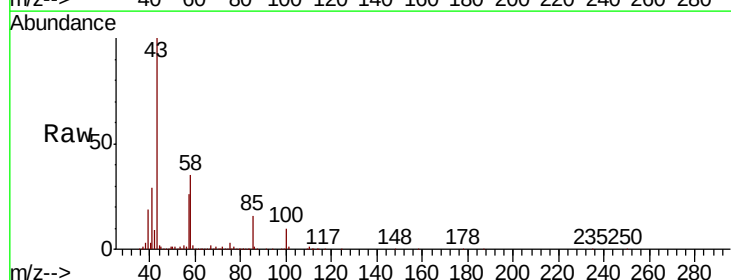
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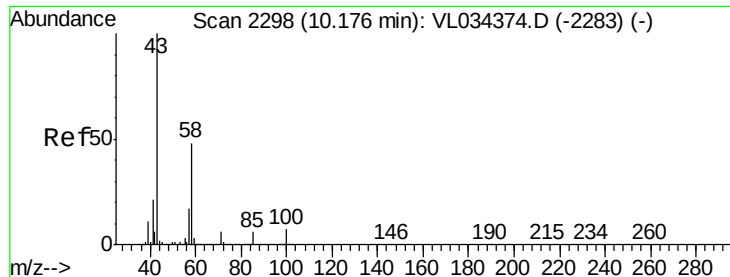
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12/4/2019 4:46:10 PM



#50
4-Methyl-2-Pentanone
Concen: 10.286 ppbv
RT: 8.79 min Scan# 1866
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 43 Resp: 2305957
Ion Ratio Lower Upper
43 100
58 35.1 27.9 41.9





#51

2-Hexanone

Concen: 10.408 ppbv

RT: 10.18 min Scan# 2300

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion: 43 Resp: 1954405

Ion Ratio Lower Upper

43 100

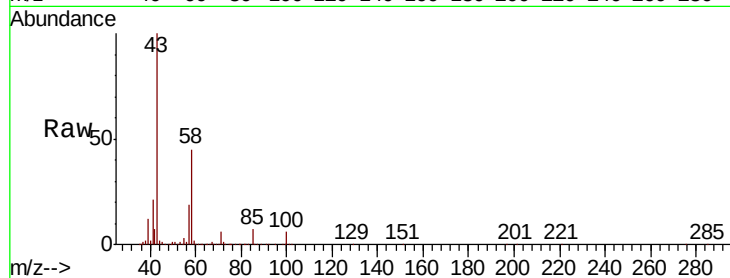
58 46.7 38.2 57.4

98 0.2 0.2 0.2

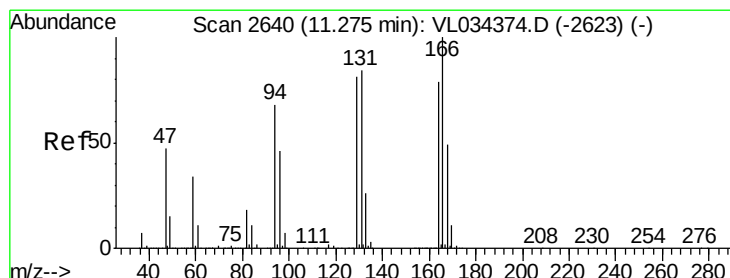
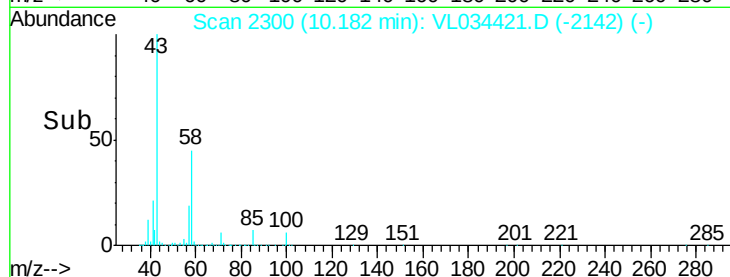
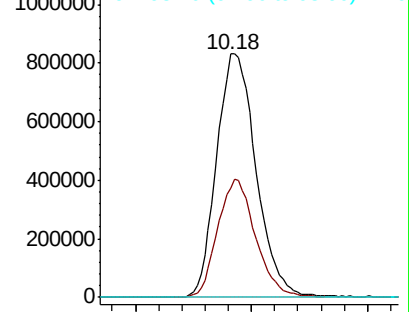
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.104 ppbv

RT: 11.28 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Tgt Ion: 164 Resp: 741171

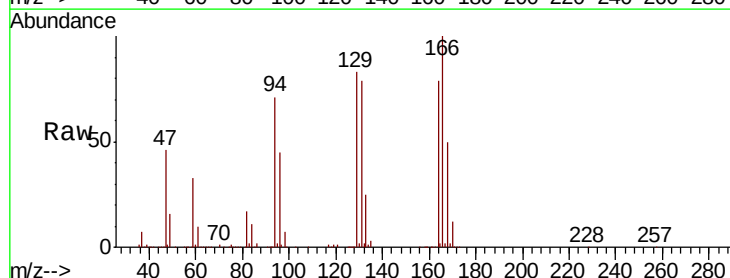
Ion Ratio Lower Upper

164 100

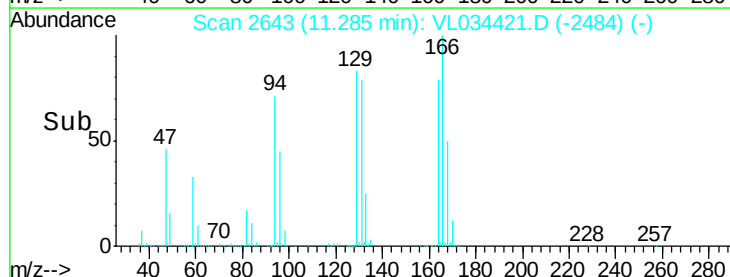
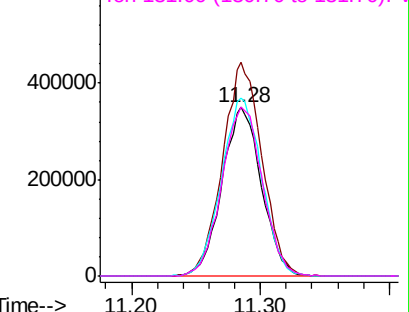
166 126.7 101.7 152.5

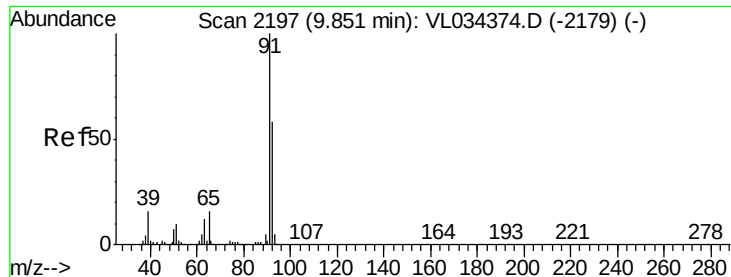
129 105.1 82.6 123.8

131 100.6 85.2 127.8



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





#53

Toluene

Concen: 10.502 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2244723

Ion Ratio Lower Upper

91 100

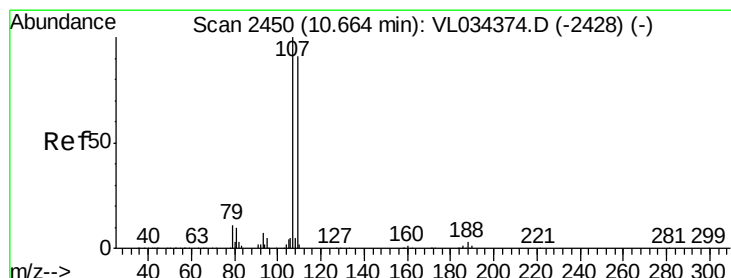
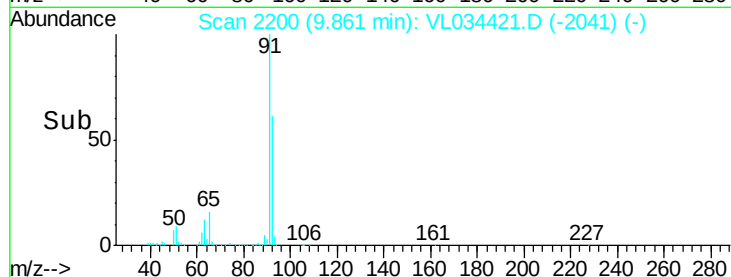
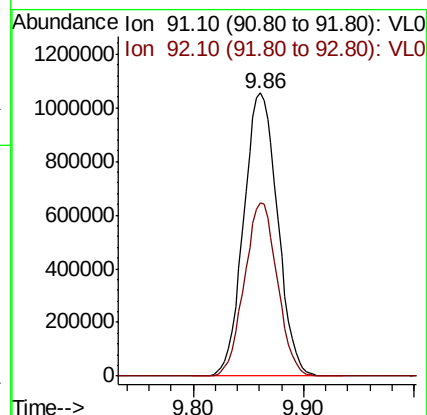
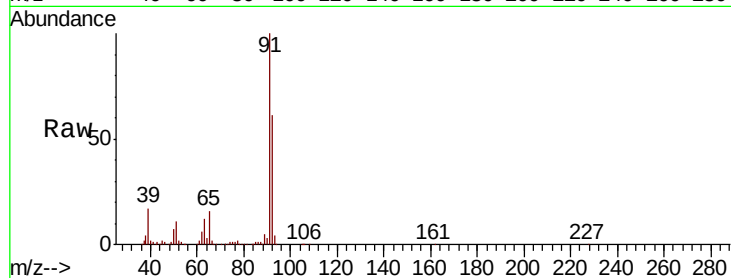
92 59.5 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 10.195 ppbv

RT: 10.67 min Scan# 2453

Delta R.T. 0.01 min

Lab File: VL034421.D

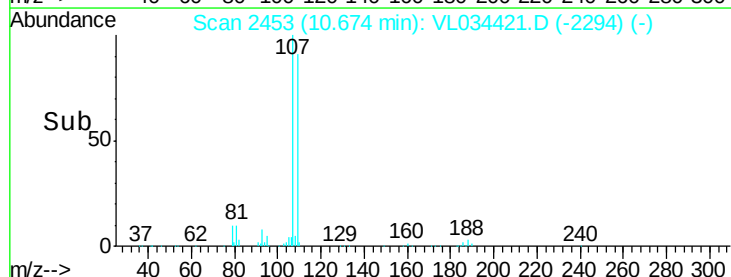
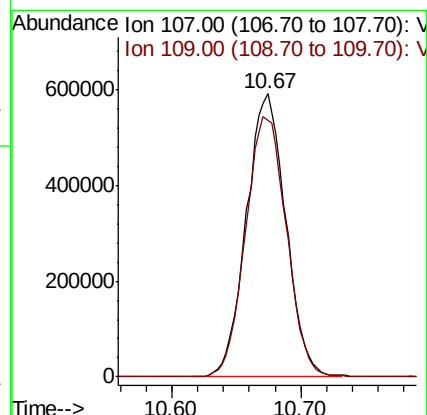
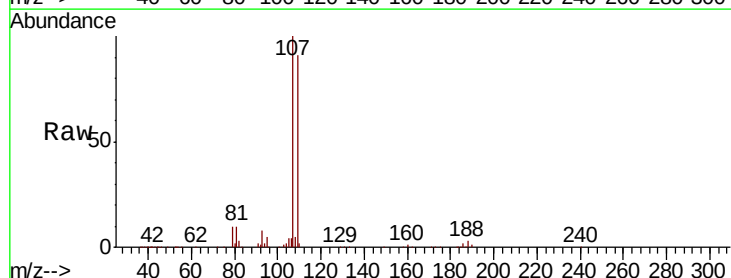
Acq: 2 Dec 2019 9:25

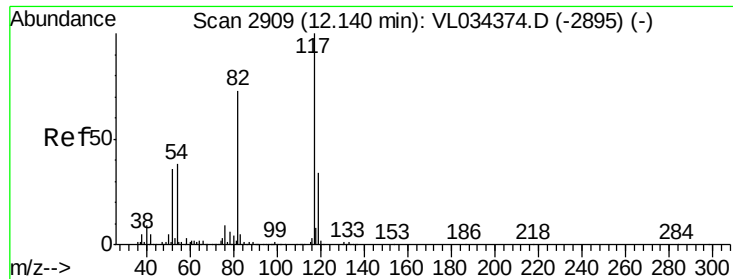
Tgt Ion: 107 Resp: 1260418

Ion Ratio Lower Upper

107 100

109 90.7 73.0 109.4





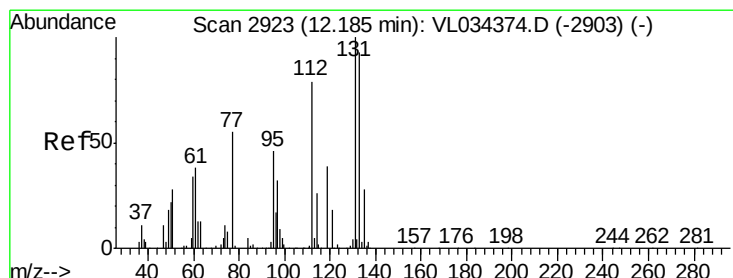
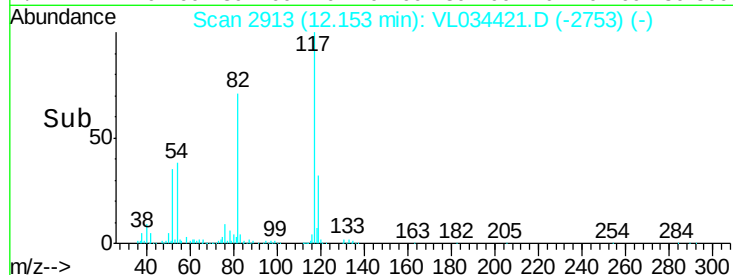
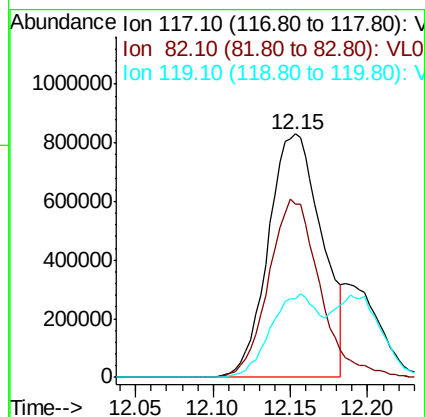
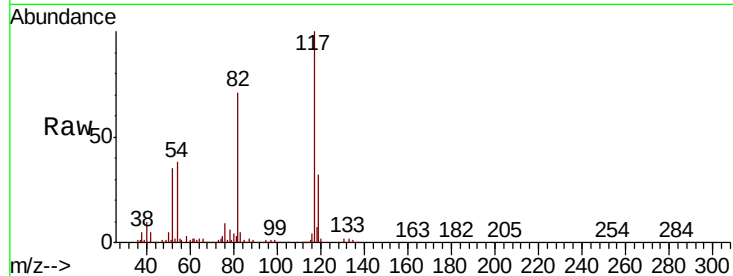
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion:117 Resp: 2000468
Ion Ratio Lower Upper
117 100
82 70.3 57.5 86.3
119 33.3 25.4 38.2

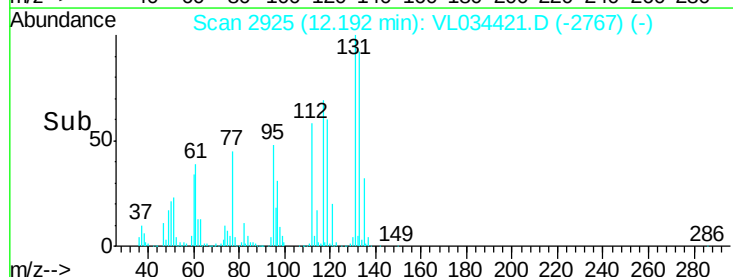
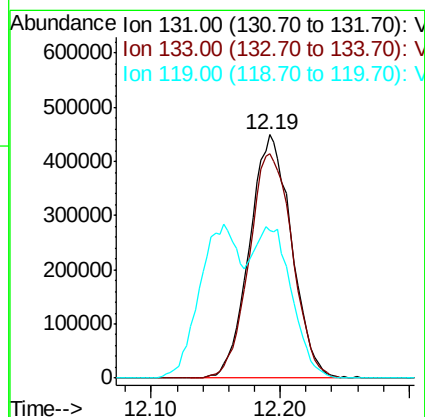
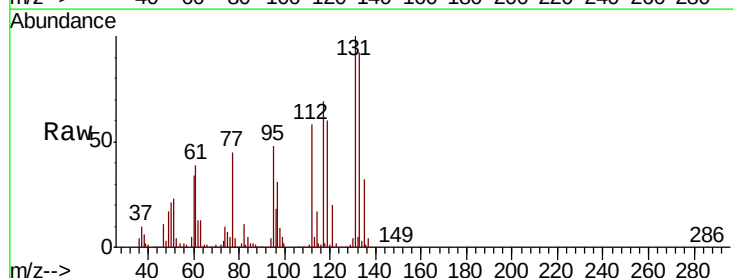
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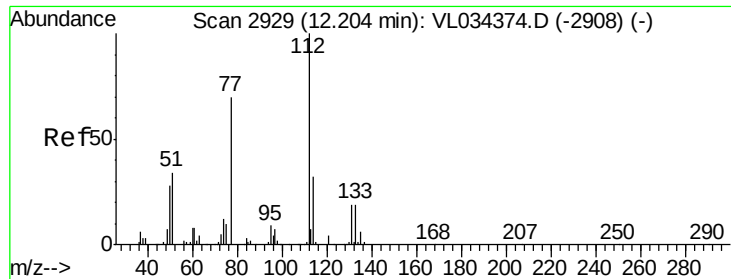
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.421 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:131 Resp: 1019770
Ion Ratio Lower Upper
131 100
133 95.2 76.2 114.2
119 63.0 44.6 67.0





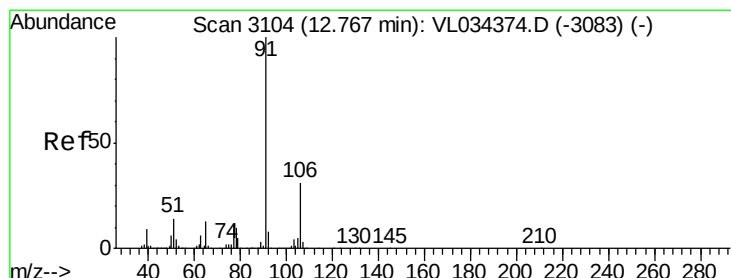
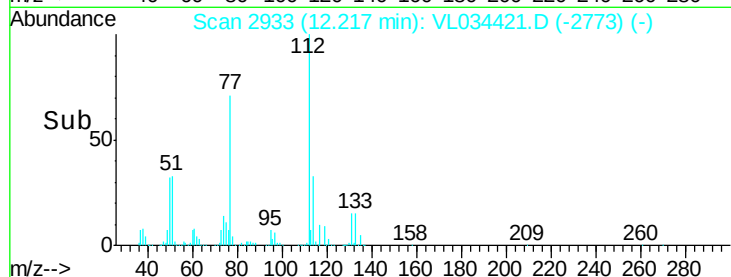
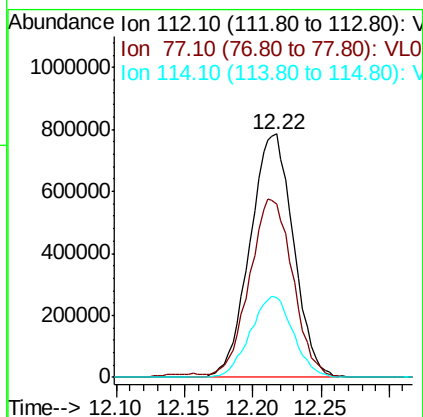
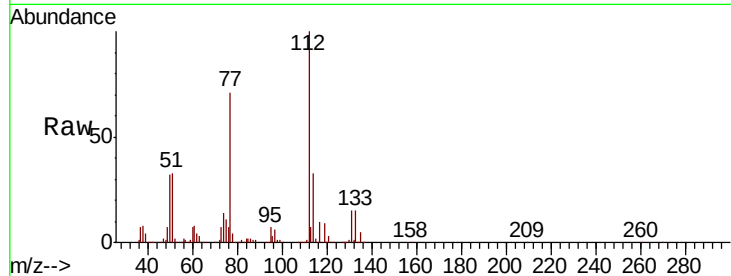
#57
Chlorobenzene
Concen: 9.563 ppbv
RT: 12.22 min Scan# 2933
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion: 112 Resp: 1729298
Ion Ratio Lower Upper
112 100
77 70.8 57.1 85.7
114 32.9 28.5 34.9

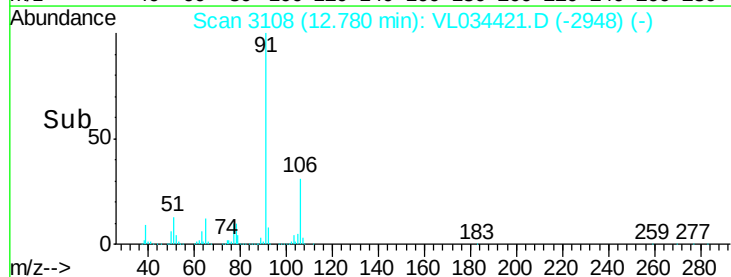
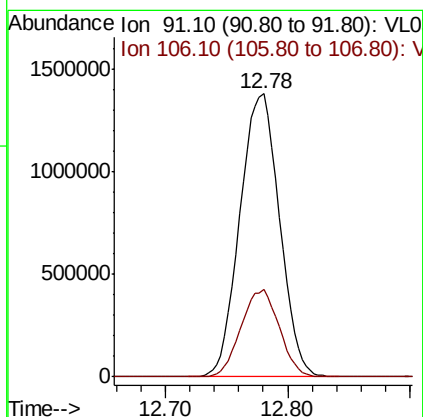
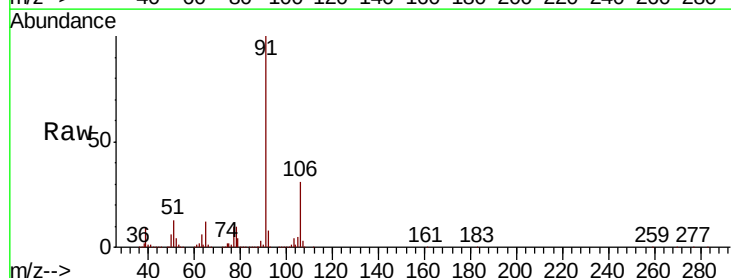
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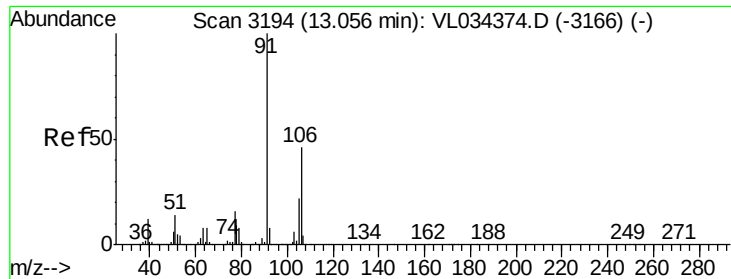
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12/4/2019 4:46:10 PM



#58
Ethyl Benzene
Concen: 9.997 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 91 Resp: 3103565
Ion Ratio Lower Upper
91 100
106 30.8 24.8 37.2





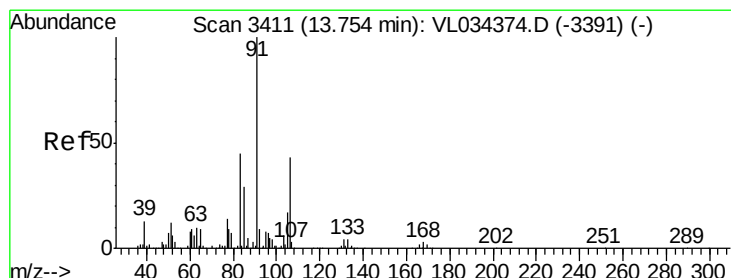
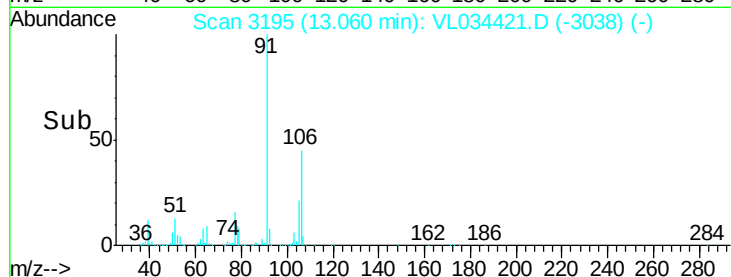
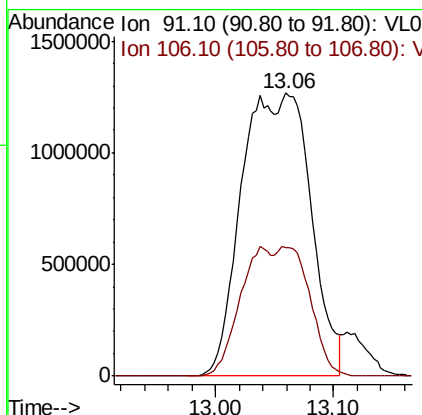
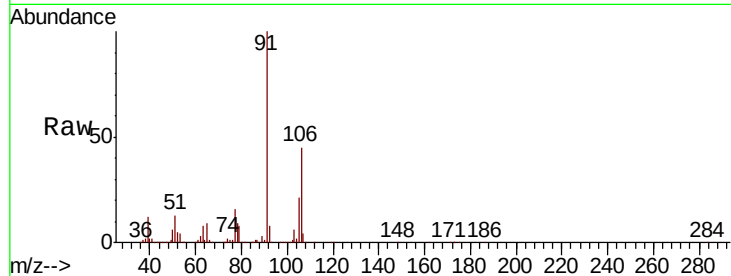
#59
m/p-Xylene
Concen: 19.273 ppbv m
RT: 13.06 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion: 91 Resp: 5171873
Ion Ratio Lower Upper
91 100
106 44.4 34.6 51.8

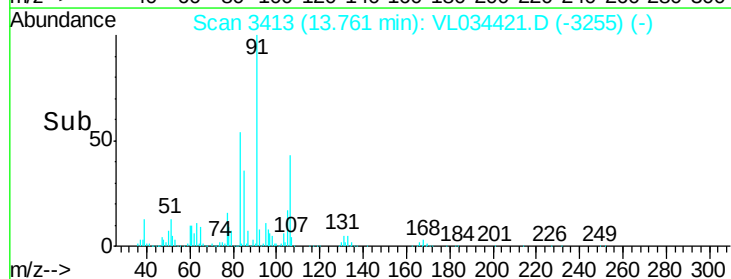
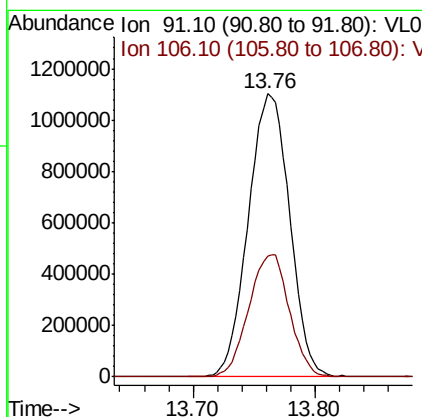
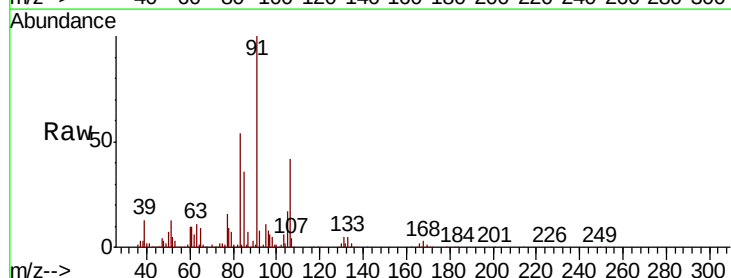
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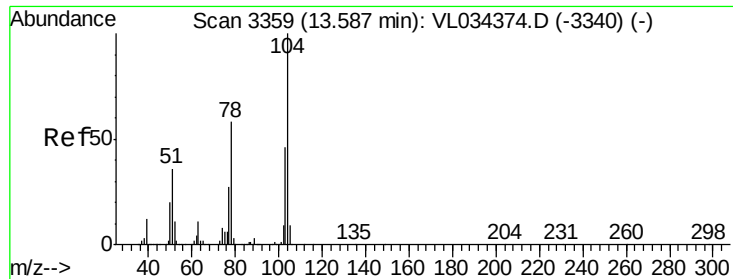
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#60
o-Xylene
Concen: 9.740 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 91 Resp: 2584387
Ion Ratio Lower Upper
91 100
106 42.4 21.3 64.0





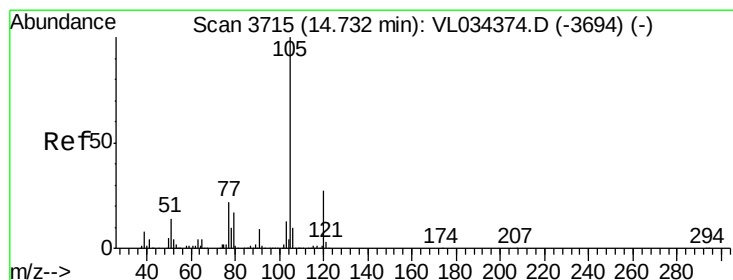
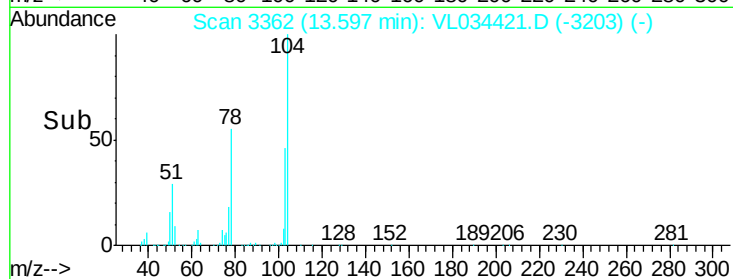
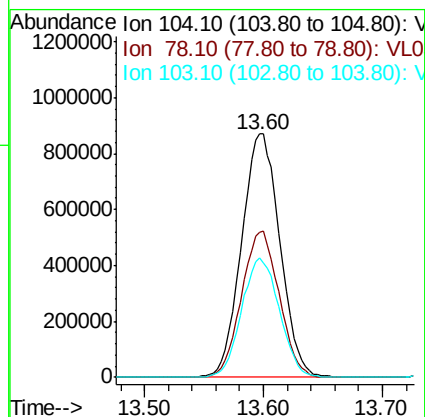
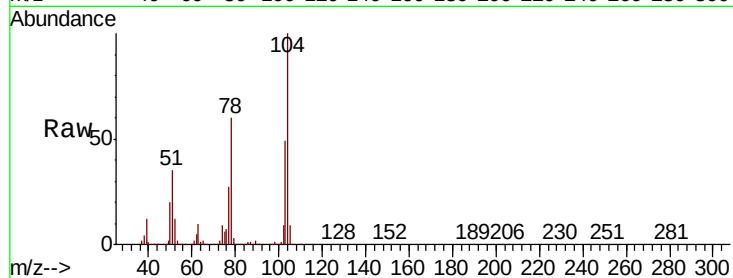
#61
Stvrene
Concen: 10.130 ppbv
RT: 13.60 min Scan# 3362
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	59.2	47.6	71.4
103	48.4	38.6	57.8

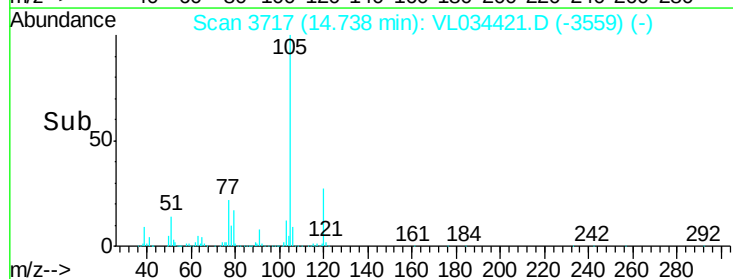
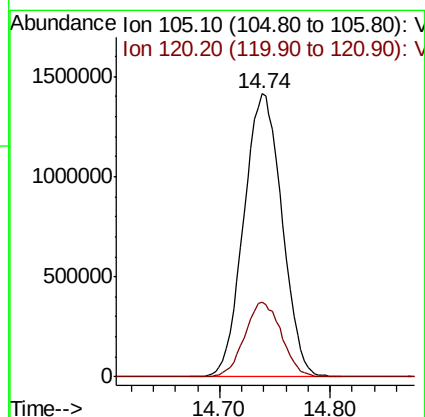
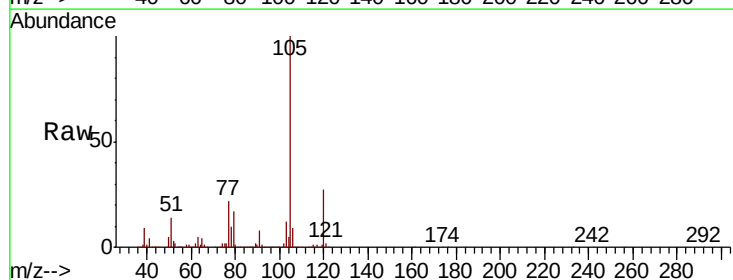
Manual Integrations
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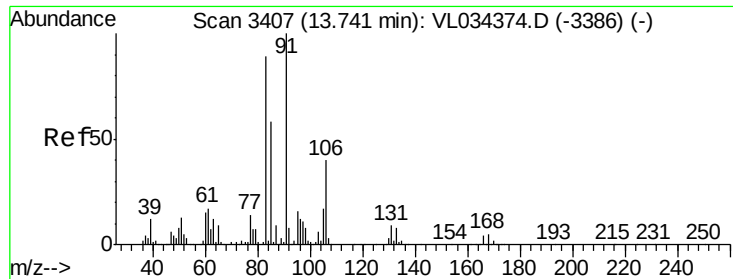
apatel
12/4/2019 4:46:10 PM



#62
Isopropylbenzene
Concen: 9.662 ppbv
RT: 14.74 min Scan# 3717
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.2	30.4





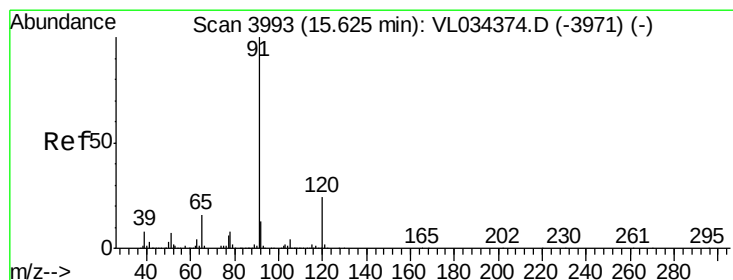
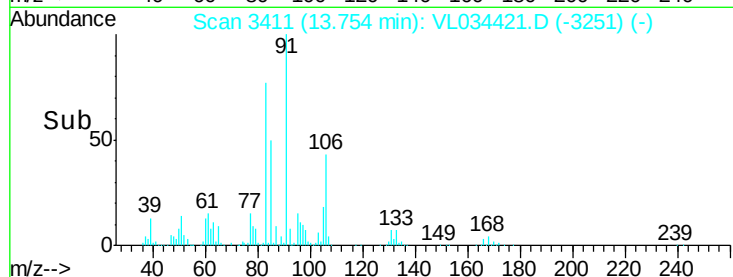
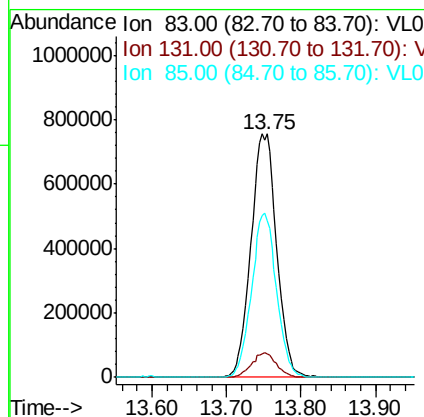
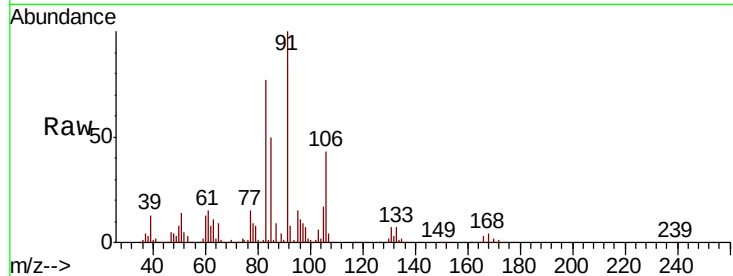
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.127 ppbv m
 RT: 13.75 min Scan# 3411
 Delta R.T. 0.01 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	1820229
Ion Ratio	100	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	65.4	32.6	97.8

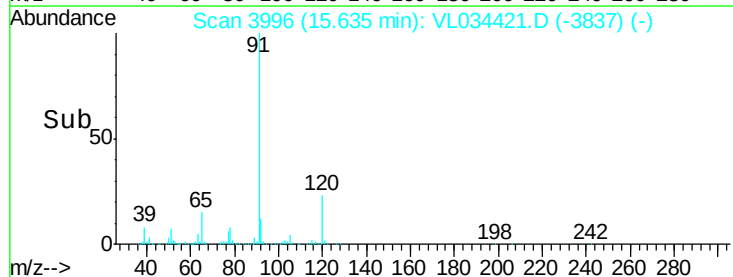
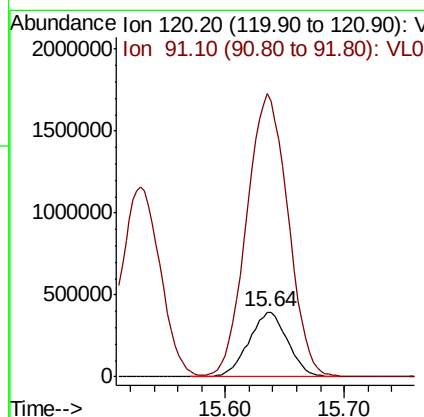
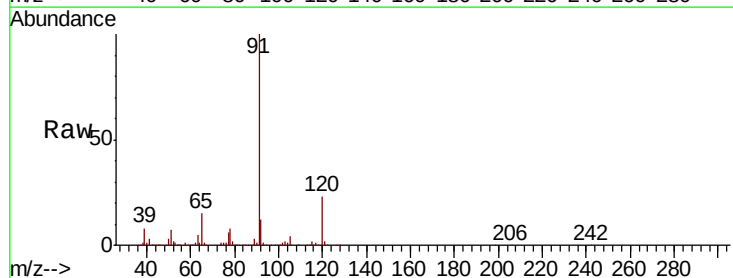
Manual Integrations
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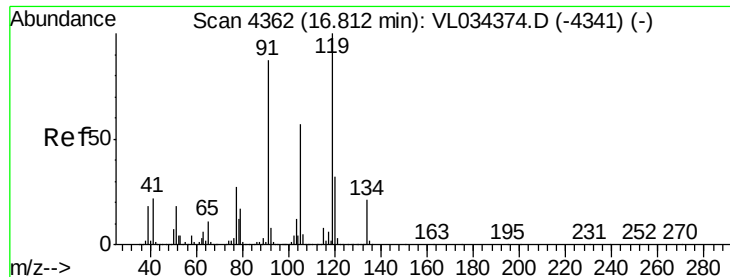
apatel
 12/4/2019 4:46:10 PM



#64
 n-propylbenzene
 Concen: 9.811 ppbv
 RT: 15.64 min Scan# 3996
 Delta R.T. 0.01 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Tgt Ion	120	Resp	894033
Ion Ratio	100	Lower	Upper
120	100		
91	465.8	370.9	556.3





#65

tert-Butylbenzene

Concen: 9.593 ppbv

RT: 16.82 min Scan# 4366

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 3023734

Ion Ratio Lower Upper

119 100

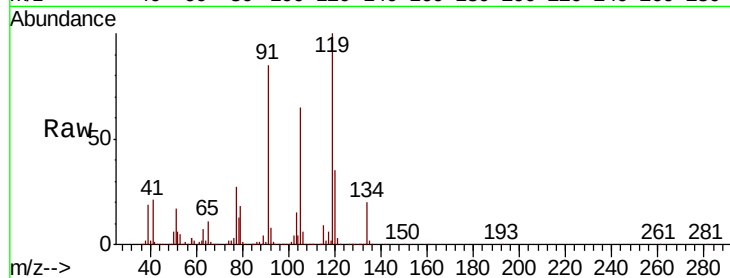
91 89.0 71.6 107.4

134 20.0 15.9 23.9

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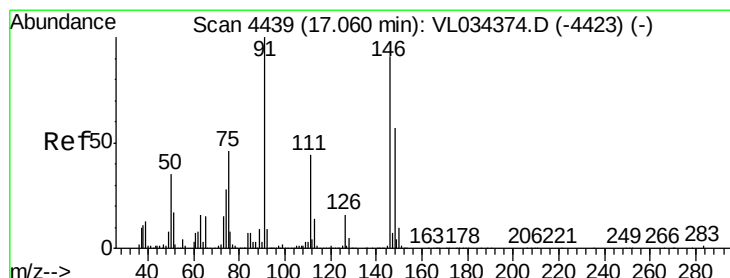
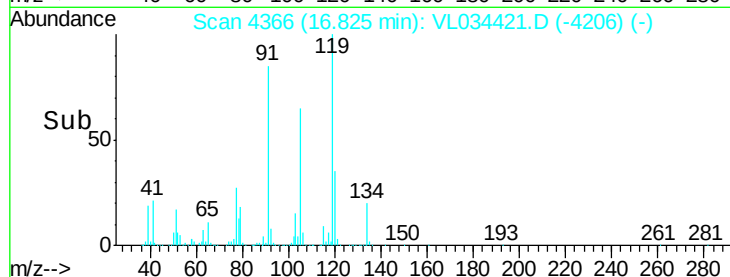
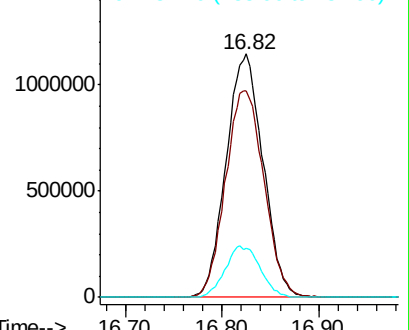
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.953 ppbv

RT: 17.07 min Scan# 4442

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

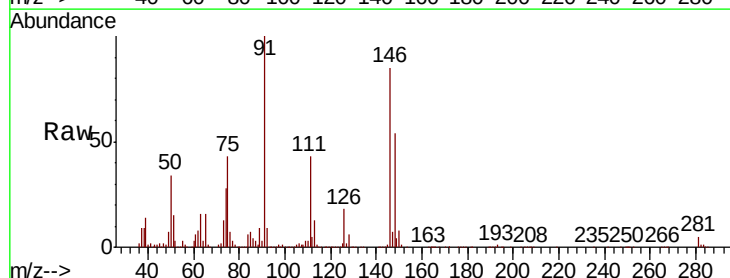
Tgt Ion: 91 Resp: 1570678

Ion Ratio Lower Upper

91 100

126 16.3 12.9 19.3

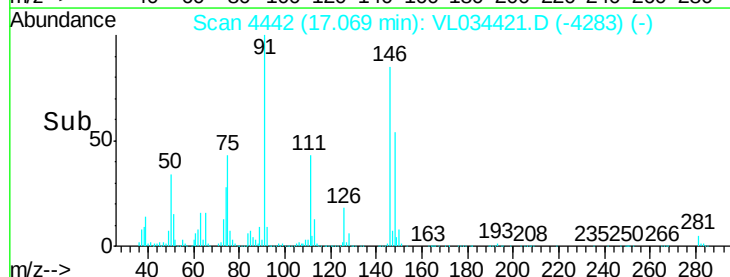
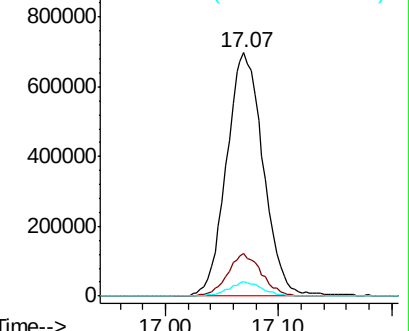
128 5.4 4.3 6.5

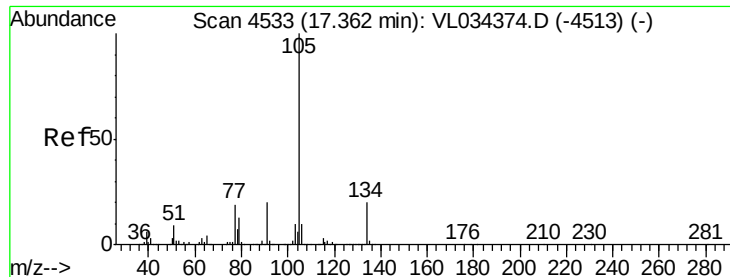


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.387 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 4138901

Ion Ratio Lower Upper

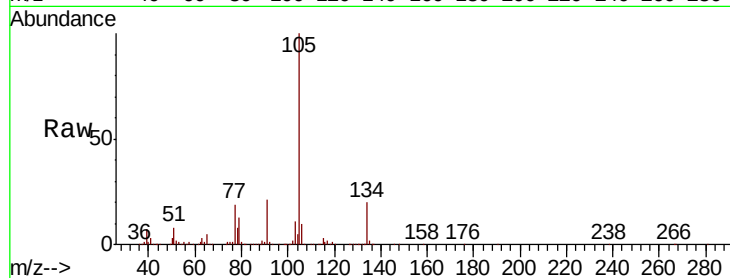
105 100

134 19.0 15.0 22.6

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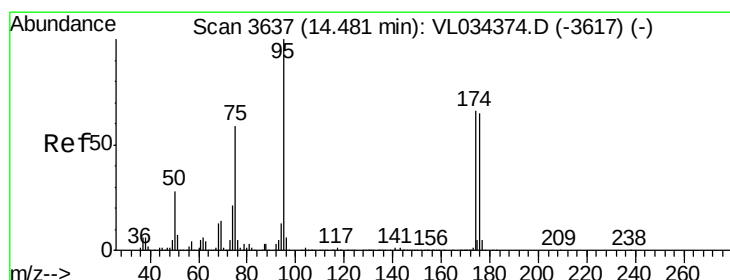
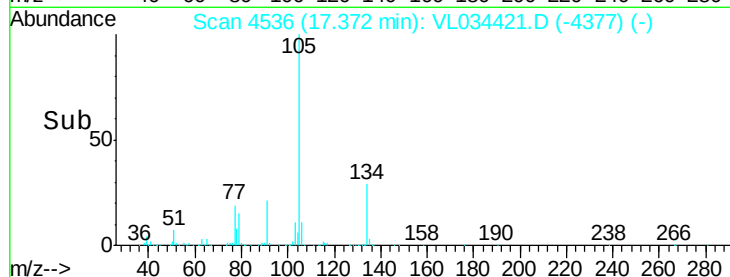
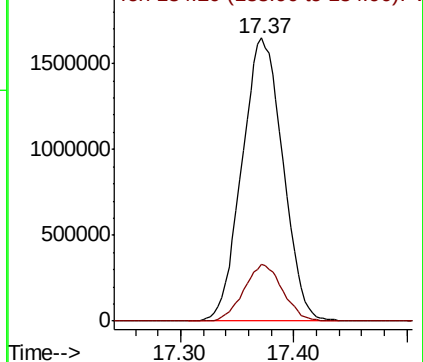
apatel

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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: 9.948 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

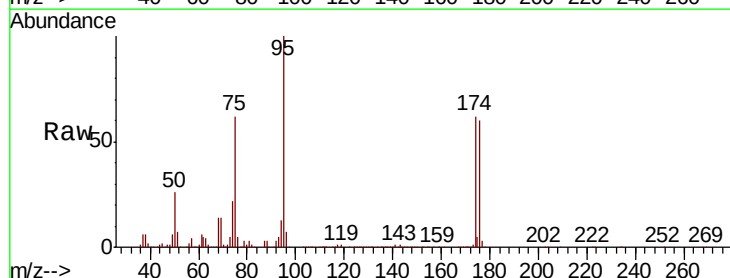
Tgt Ion: 95 Resp: 1674228

Ion Ratio Lower Upper

95 100

174 64.5 52.2 78.2

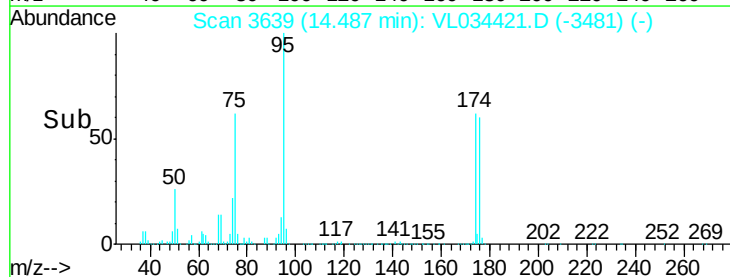
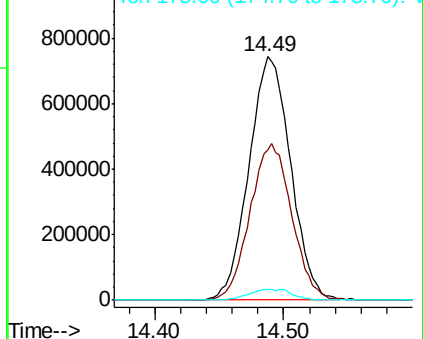
175 4.7 3.8 5.8

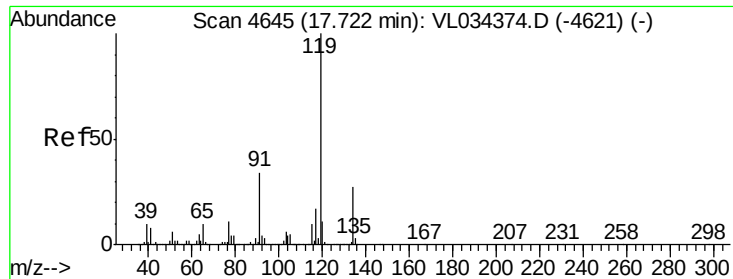


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





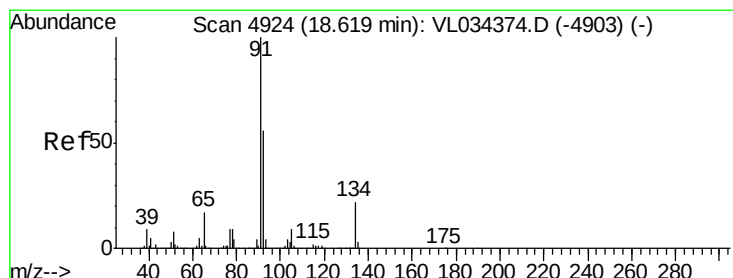
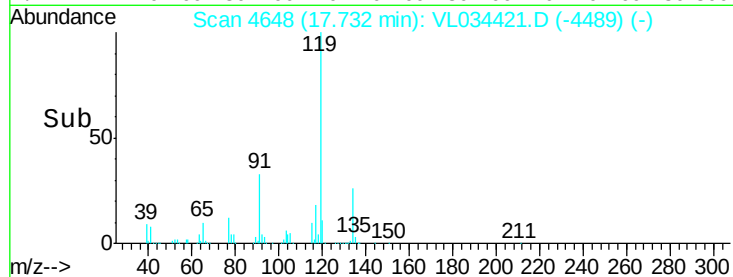
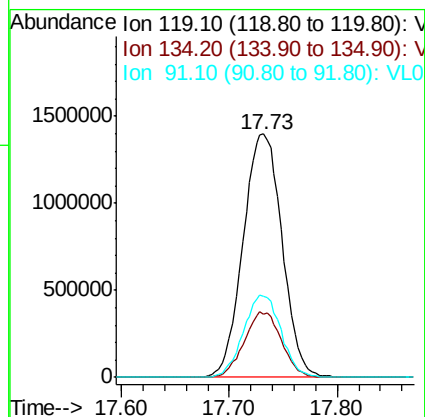
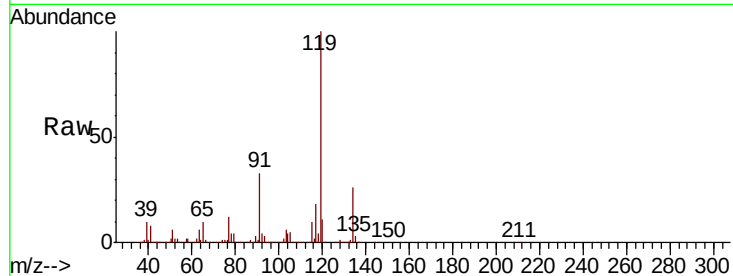
#69
 p-Isopropyltoluene
 Concen: 9.583 ppbv
 RT: 17.73 min Scan# 4648
 Delta R.T. 0.01 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	31.0
91	32.8	26.3	39.5

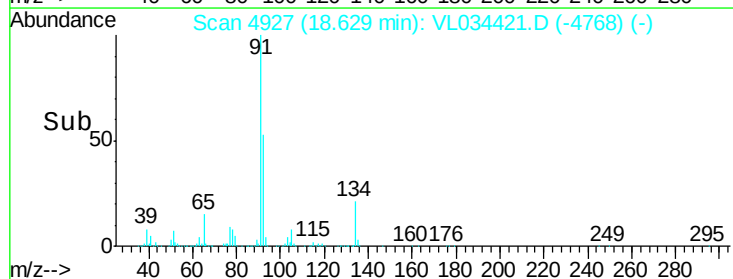
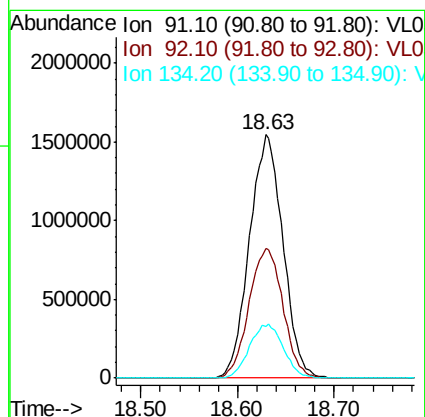
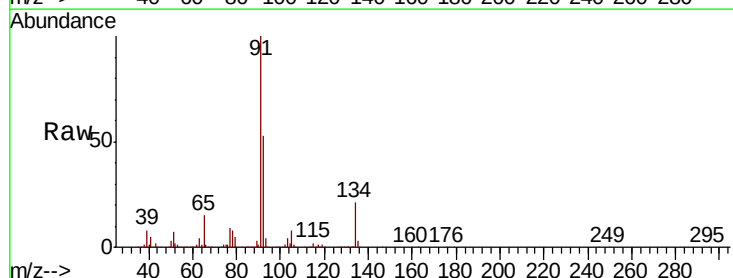
Manual Integrations
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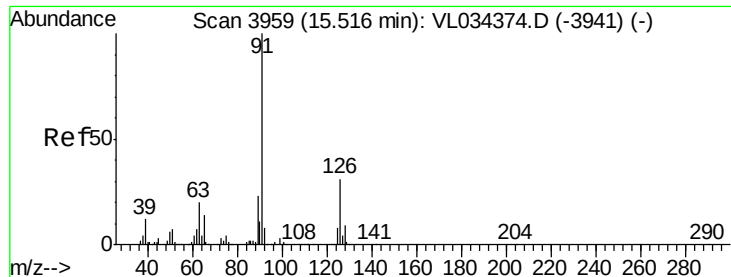
apatel
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#70
 n-Butylbenzene
 Concen: 9.428 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. 0.01 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.8	65.6
134	22.5	17.9	26.9





#71

2-Chlorotoluene

Concen: 9.621 ppbv

RT: 15.53 min Scan# 3963

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2691927

Ion Ratio Lower Upper

91 100

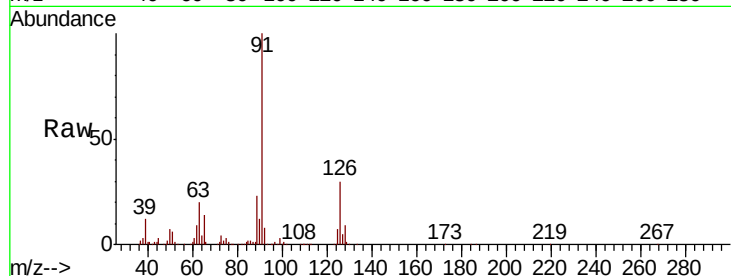
126 29.4 11.8 47.4

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

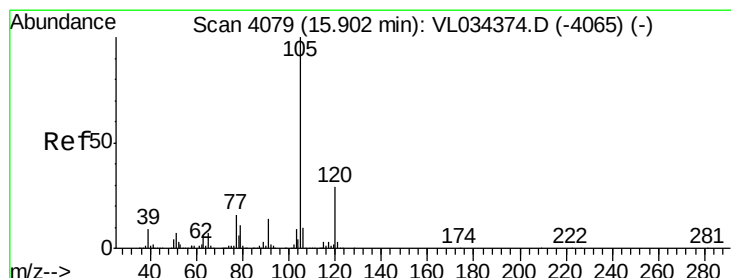
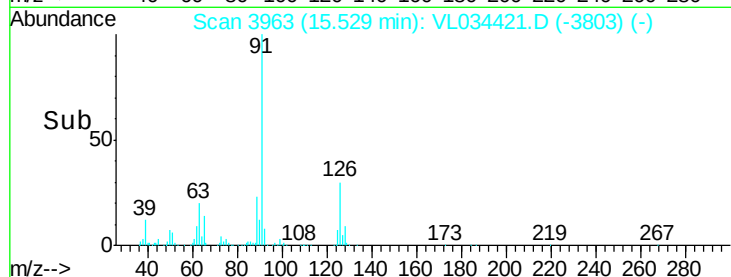
1000000

500000

0

15.50 15.60

Time-->



#72

4-Ethyltoluene

Concen: 9.778 ppbv

RT: 15.92 min Scan# 4083

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Tgt Ion: 105 Resp: 2997528

Ion Ratio Lower Upper

105 100

120 29.5 23.5 35.3

91 13.9 11.4 17.0

77 16.5 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

2000000

1500000

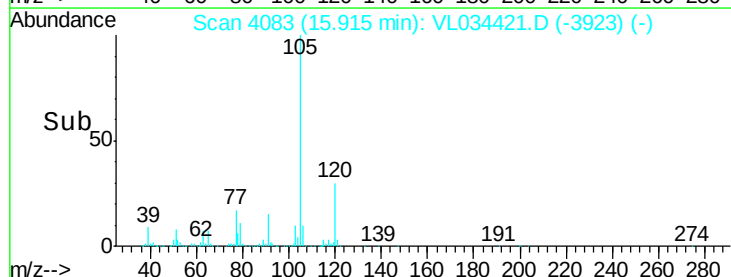
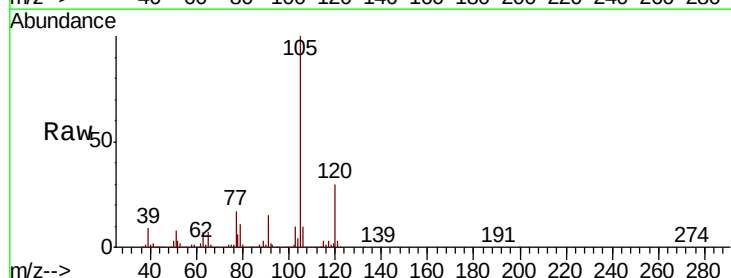
1000000

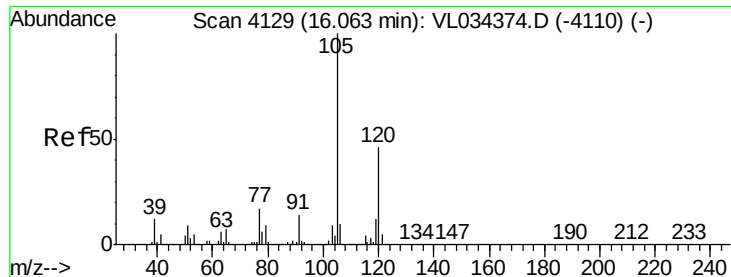
500000

0

15.90 16.00

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 9.577 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. 0.01 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 2874032

Ion Ratio Lower Upper

105 100

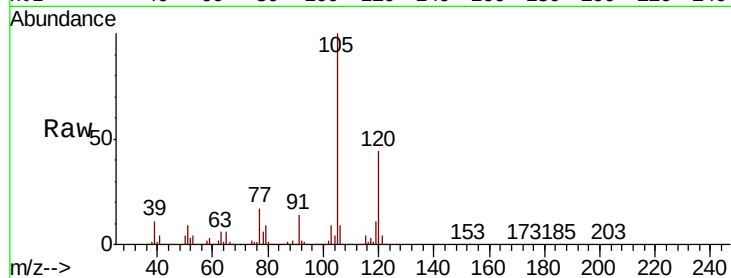
120 44.3 37.1 55.7

Manual Integrations

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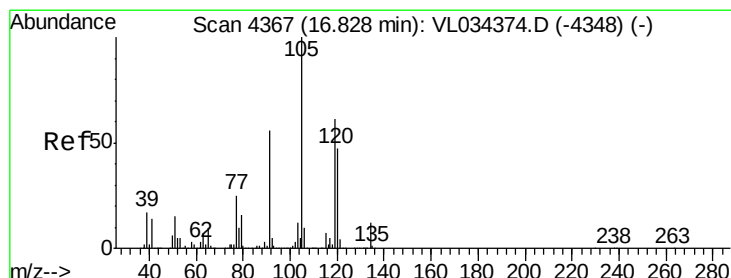
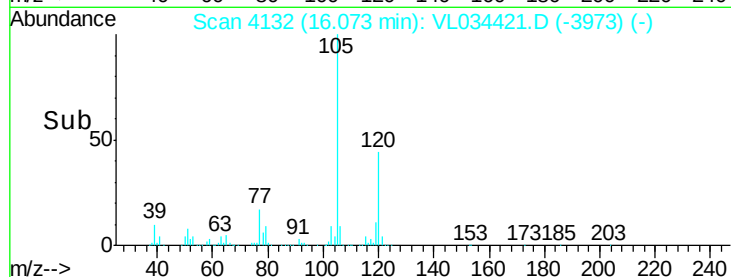
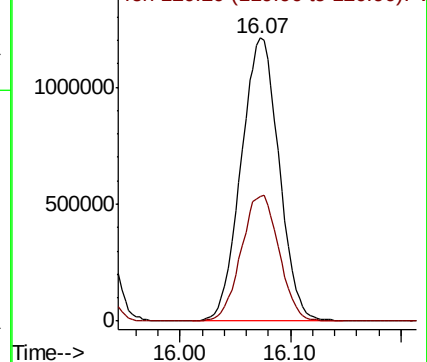
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.327 ppbv

RT: 16.84 min Scan# 4372

Delta R.T. 0.02 min

Lab File: VL034421.D

Acq: 2 Dec 2019 9:25

Tgt Ion:105 Resp: 2973194

Ion Ratio Lower Upper

105 100

120 45.8 37.4 56.0

91 41.1 46.3 69.5#

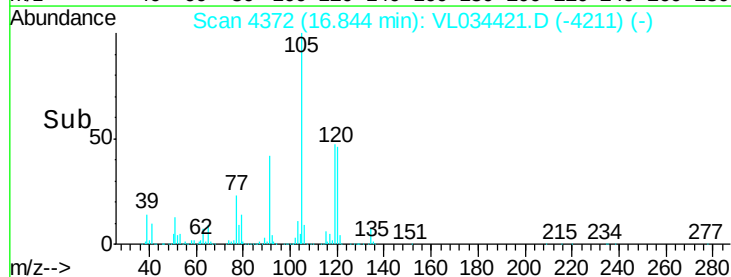
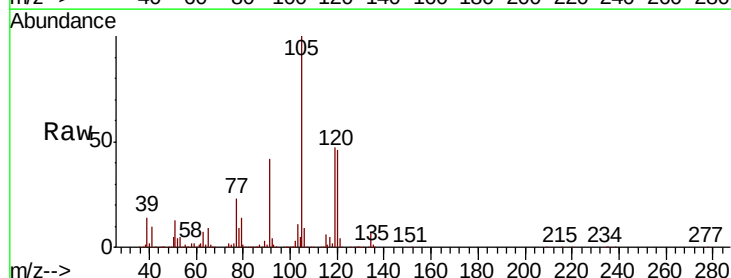
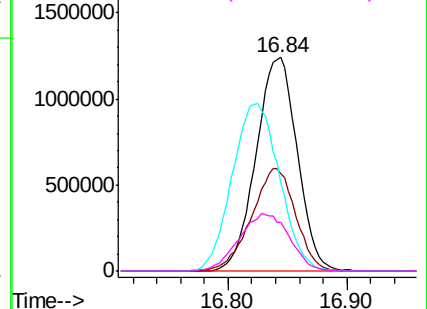
77 22.7 20.6 30.8

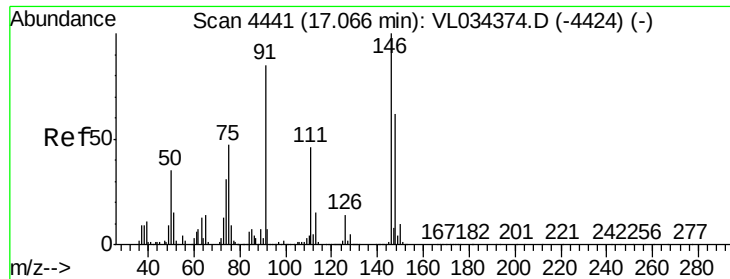
Abundance Ion 105.10 (104.80 to 105.80): V

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





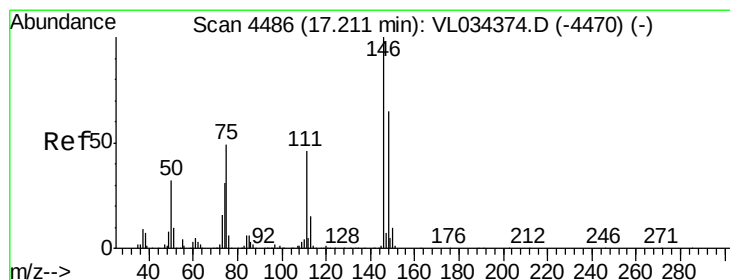
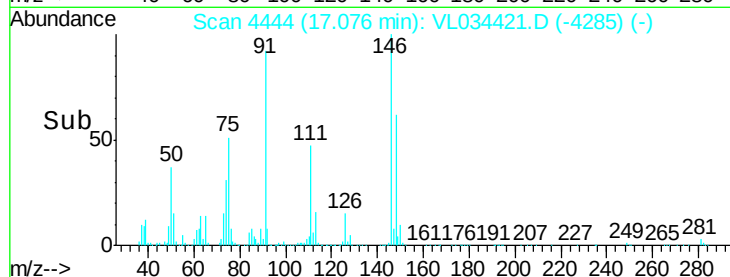
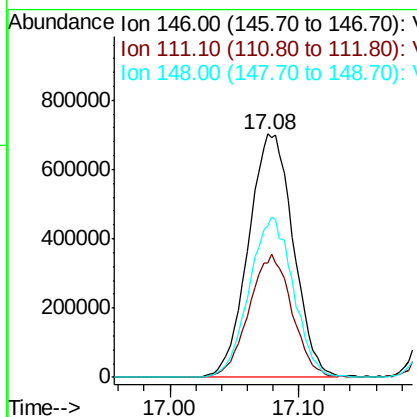
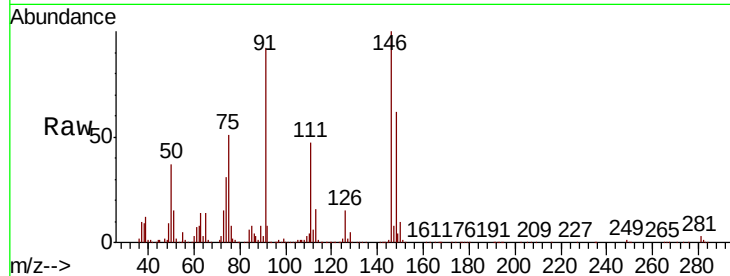
#75
 1,3-Dichlorobenzene
 Concen: 9.287 ppbv
 RT: 17.08 min Scan# 4444
 Delta R.T. 0.01 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1701714
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.4 73.4
 148 64.8 32.4 97.0

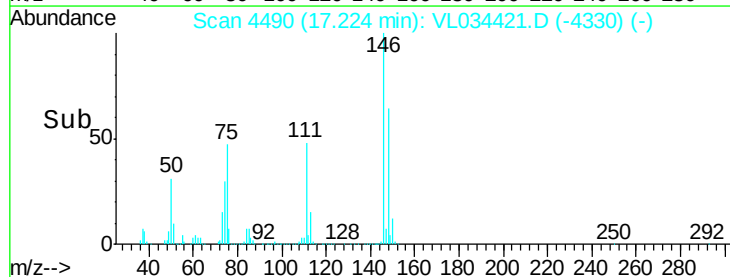
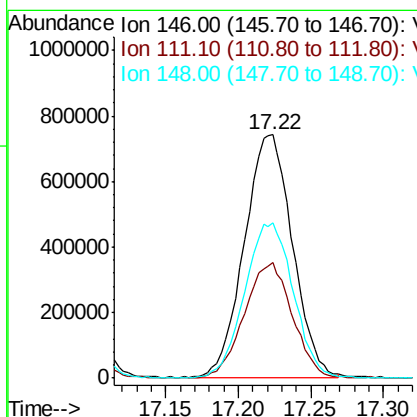
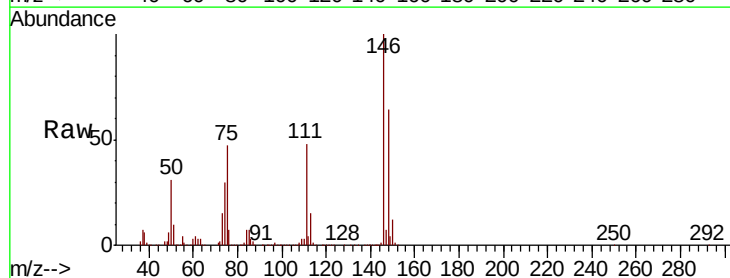
Manual Integrations
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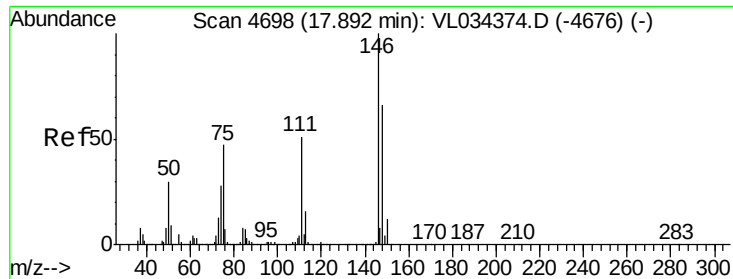
apatel
 12/4/2019 4:46:10 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.600 ppbv
 RT: 17.22 min Scan# 4490
 Delta R.T. 0.01 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Tgt Ion:146 Resp: 1708064
 Ion Ratio Lower Upper
 146 100
 111 47.7 24.1 72.3
 148 65.0 32.9 98.6





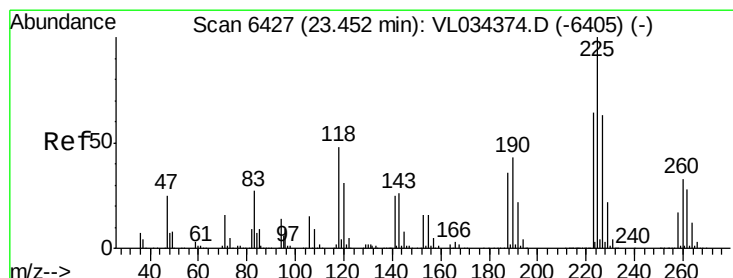
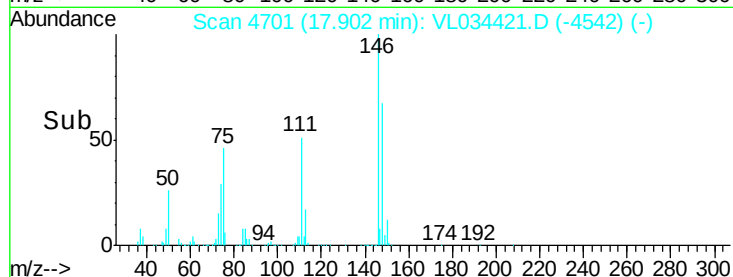
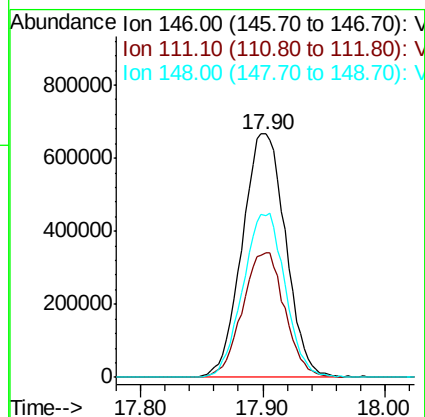
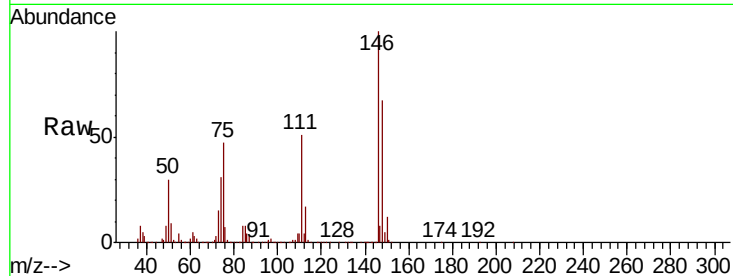
#77
 1,2-Dichlorobenzene
 Concen: 9.262 ppbv
 RT: 17.90 min Scan# 4701
 Delta R.T. 0.01 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1639129
 Ion Ratio Lower Upper
 146 100
 111 50.1 25.0 75.0
 148 65.7 32.7 98.1

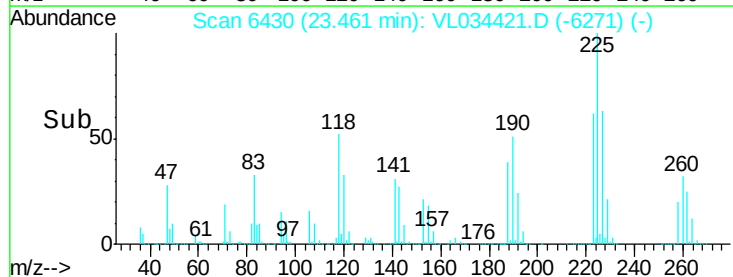
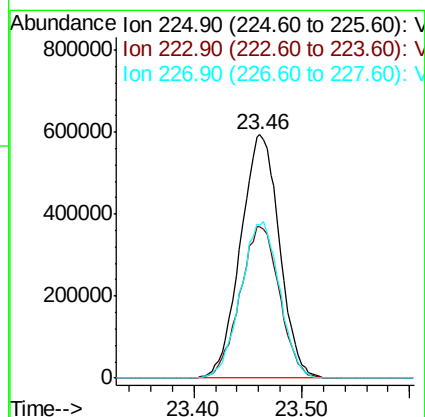
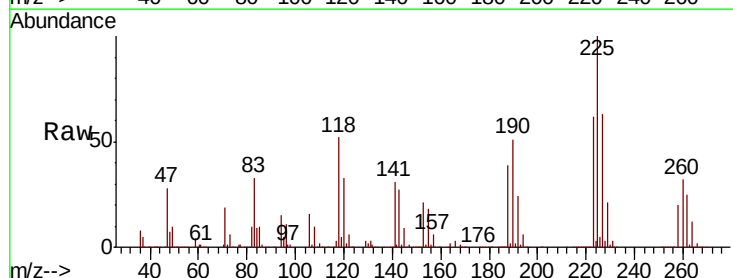
Manual Integrations
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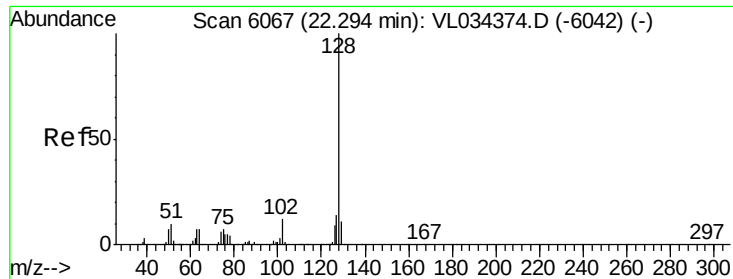
apatel
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.791 ppbv
 RT: 23.46 min Scan# 6430
 Delta R.T. 0.01 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Tgt Ion:225 Resp: 1488721
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.2 75.2
 227 64.3 51.5 77.3





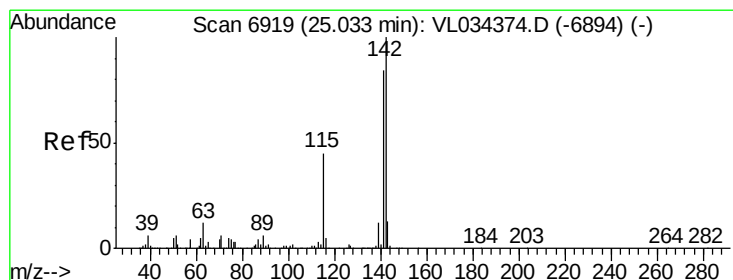
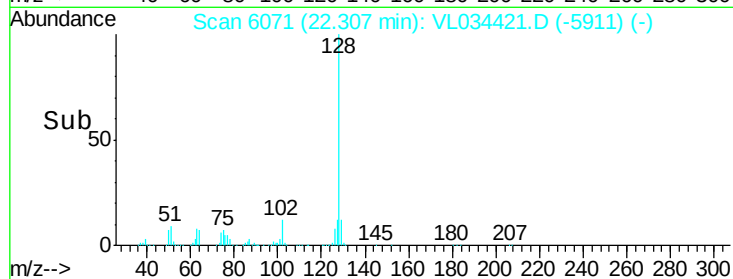
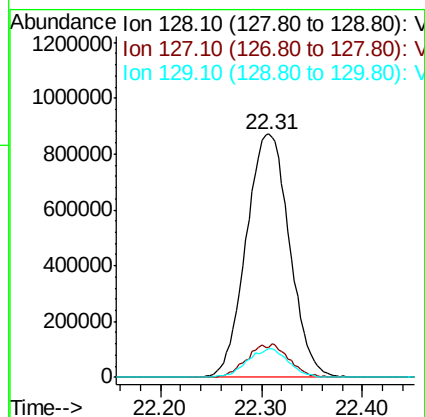
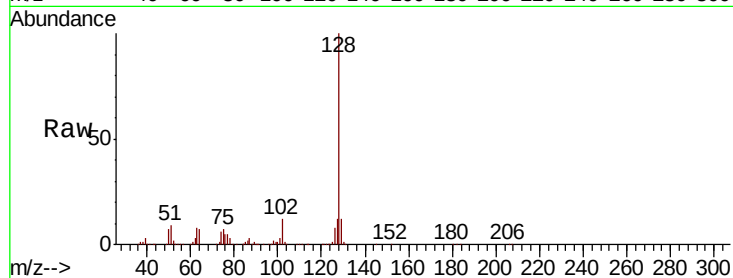
#79
Naphthalene
Concen: 9.392 ppbv
RT: 22.31 min Scan# 6071
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:128	Resp: 2595297
Ion Ratio	Lower Upper
128 100	
127 12.2	11.0 16.6
129 12.0	8.9 13.3

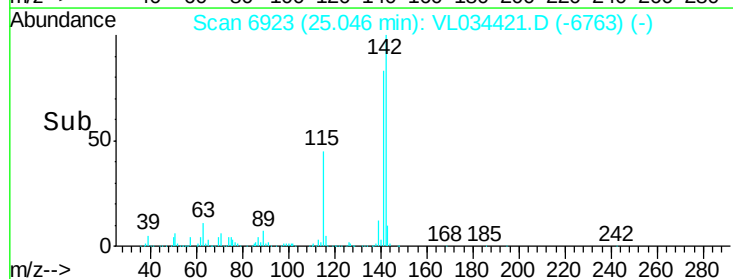
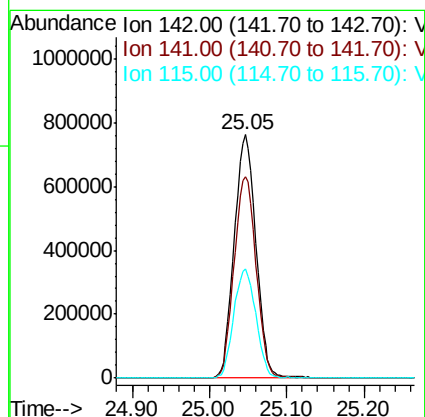
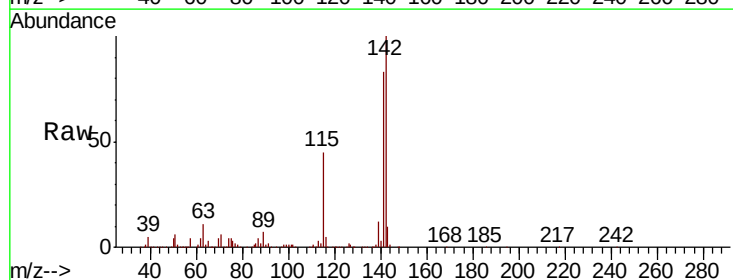
Manual Integrations
APPROVED

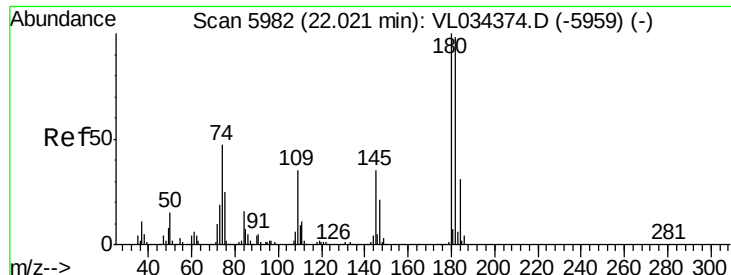
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#80
Naphthalene, 2-methyl-
Concen: 11.782 ppbv
RT: 25.05 min Scan# 6923
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt	Ion:142	Resp:	1470148
Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.1	100.7
115	45.7	36.6	54.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.259 ppbv
 RT: 22.03 min Scan# 5986
 Delta R.T. 0.01 min
 Lab File: VL034421.D
 Acq: 2 Dec 2019 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	180	Resp:	1571848
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
184	31.2	24.9	37.3

Manual Integrations
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apatel
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