

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120919\
 Data File : VL034491.D
 Acq On : 10 Dec 2019 11:04
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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 12/11/2019 2:13:29 PM

Quant Time: Dec 10 14:03:11 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	5.68	49	920443	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1804941	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1981222	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1610899	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1682496	10.104	ppbv	99
3) Chlorodifluoromethane	2.96	51	1063212	9.258	ppbv	98
4) Chloromethane	3.11	50	562907	8.310	ppbv	98
5) Vinyl Chloride	3.23	62	541211	8.527	ppbv	90
6) Bromomethane	3.45	94	307630	9.633	ppbv	91
7) Chloroethane	3.54	64	200138	8.688	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	1308884	8.753	ppbv	99
9) Propene	2.98	41	407276	7.988	ppbv	100
10) Heptane	8.15	43	1127659	8.570	ppbv	99
11) Trichlorofluoromethane	3.93	101	1518726	9.164	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	999569	9.082	ppbv	98
13) Ethanol	3.58	45	119169	8.391	ppbv	95
14) Bromoethene	3.72	108	397268	8.878	ppbv	99
15) Acetone	3.83	43	1079952	8.194	ppbv	99
16) 1,3-Butadiene	3.30	39	505225	8.800	ppbv	99
17) tert-Butyl alcohol	4.28	59	1050922	9.486	ppbv	99
18) 1,1-Dichloroethene	4.28	96	432908	8.993	ppbv	99
19) Isopropyl Alcohol	3.95	45	871041	10.310	ppbv #	99
20) Methylene Chloride	4.33	84	384493	8.227	ppbv	93
21) Allyl Chloride	4.40	41	730469	9.249	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	444552	9.161	ppbv	97
23) Vinyl Acetate	5.07	43	1564458	9.086	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1145757	8.663	ppbv	99
25) Ethyl Acetate	5.68	43	1949366	8.288	ppbv	99
26) Hexane	5.69	57	839870	8.310	ppbv	98
27) Carbon Disulfide	4.54	76	1099838	9.992	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1411132	8.421	ppbv	100
29) Chloroform	5.77	83	1393588	8.515	ppbv	98
30) Cyclohexane	7.15	84	668209	8.746	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	892235	8.543	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	1436365	9.361	ppbv	98
34) 2-Butanone	5.25	43	1295102	8.717	ppbv	97
35) Carbon Tetrachloride	7.04	117	1525161	9.828	ppbv	98
36) Benzene	6.91	78	1595428	8.842	ppbv	95
37) 1,2-Dichloroethane	6.32	62	1243866	9.280	ppbv	99
38) Trichloroethene	7.87	130	634086	8.564	ppbv	98
39) 1,2-Dichloropropane	7.64	63	661236	9.513	ppbv	90
40) 1,4-Dioxane	7.85	88	275149m	9.061	ppbv	
41) Tetrahydrofuran	6.06	42	726026	8.713	ppbv	98
42) Bromodichloromethane	7.82	83	1558652	9.298	ppbv	96
43) Methyl Methacrylate	8.04	69	687735	9.190	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	2937672	8.909	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	895690	9.333	ppbv	99
46) cis-1,3-Dichloropropene	8.74	75	1005837	9.330	ppbv	100
47) 1,1,2-Trichloroethane	9.52	97	691131	8.938	ppbv	95
48) Dibromochloromethane	10.35	129	1301602	9.804	ppbv	100
49) Bromoform	13.10	173	1169102	9.865	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	1967774	9.154	ppbv	99
51) 2-Hexanone	10.17	43	1646961	9.147	ppbv	96
52) Tetrachloroethene	11.28	164	605949	7.762	ppbv	97
53) Toluene	9.85	91	1851357	9.033	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1099368	9.274	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.18	131	893279	9.217	ppbv	98
57) Chlorobenzene	12.20	112	1448665	8.089	ppbv	98
58) Ethyl Benzene	12.76	91	2601761	8.462	ppbv	95
59) m/p-Xylene	13.05	91	4383541m	16.494	ppbv	
60) o-Xylene	13.75	91	2245737	8.546	ppbv	99
61) Styrene	13.59	104	1568682	8.278	ppbv	99
62) Isopropylbenzene	14.73	105	2934421	8.444	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1631733	8.261	ppbv	100
64) n-propylbenzene	15.62	120	762431	8.448	ppbv	96
65) tert-Butylbenzene	16.81	119	2646219	8.477	ppbv	99
66) Benzyl Chloride	17.06	91	1240159	10.326	ppbv	99
67) sec-Butylbenzene	17.36	105	3725077	8.530	ppbv	99
69) p-Isopropyltoluene	17.72	119	3090047	8.526	ppbv	99
70) n-Butylbenzene	18.61	91	3293666	8.446	ppbv	99
71) 2-Chlorotoluene	15.51	91	2337011	8.434	ppbv	99
72) 4-Ethyltoluene	15.90	105	2548717	8.394	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2453488	8.255	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	2551522	8.082	ppbv #	91
75) 1,3-Dichlorobenzene	17.06	146	1450821	7.995	ppbv	100
76) 1,4-Dichlorobenzene	17.20	146	1421268	8.066	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1422566	8.116	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1172381	7.785	ppbv	99
79) Naphthalene	22.29	128	2149291	7.853	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	600597	4.860	ppbv	99
81) 1,2,4-Trichlorobenzene	22.02	180	1212972	7.214	ppbv	99

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

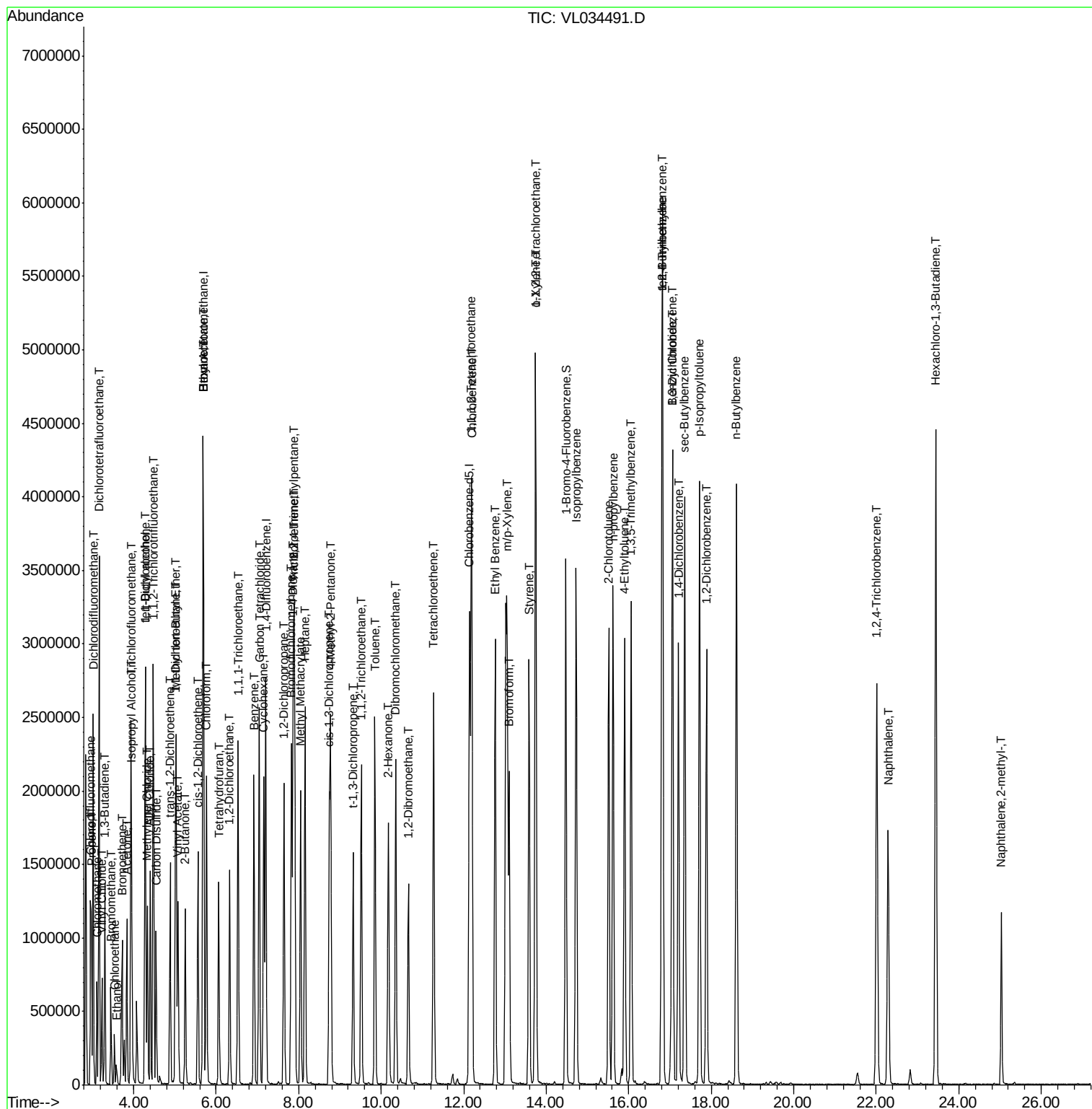
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120919\
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Acq On : 10 Dec 2019 11:04
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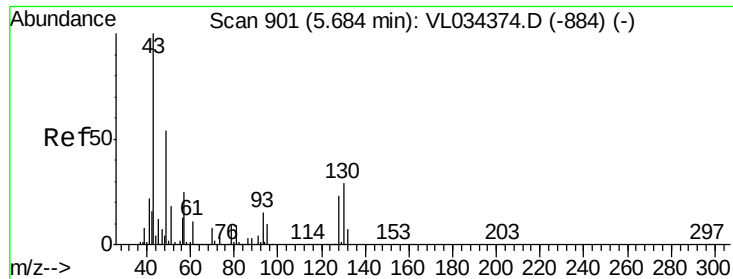
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

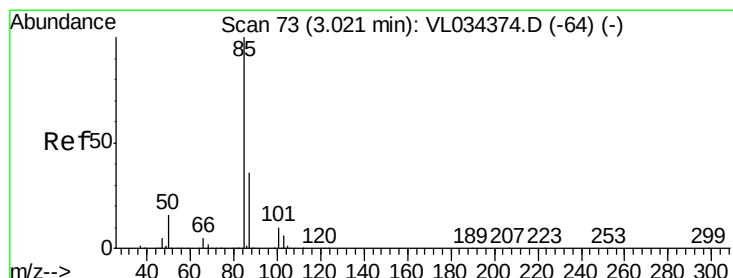
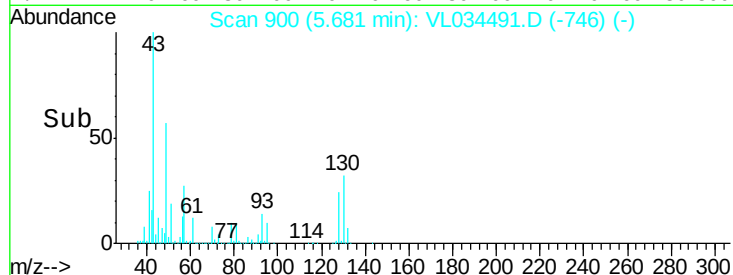
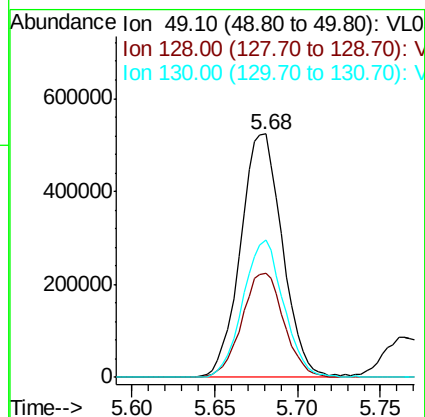
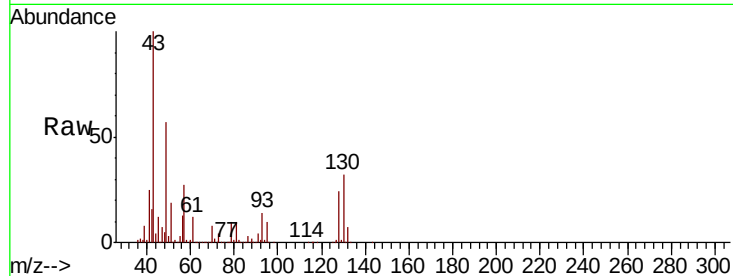
ClientSampleId :

VSTDCCC010EC

Tot Ion:	49	Resp:	920443
Ion Ratio	Lower	Upper	
49	100		
128	43.3	21.8	65.3
130	55.1	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 10.104 ppbv

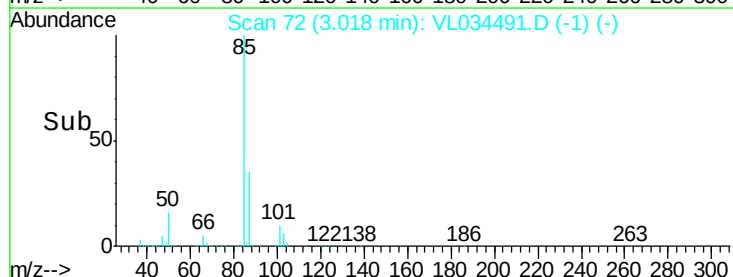
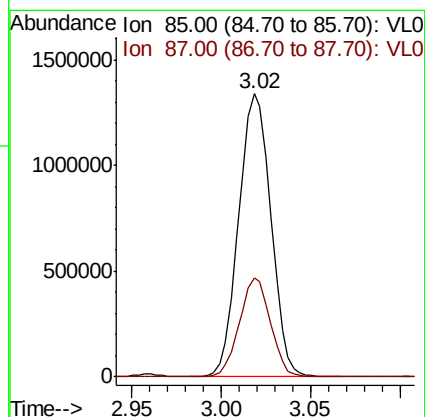
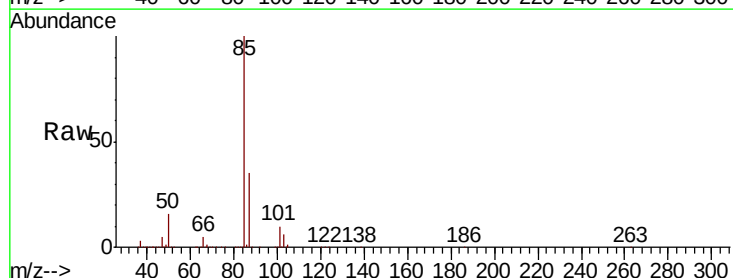
RT: 3.02 min Scan# 72

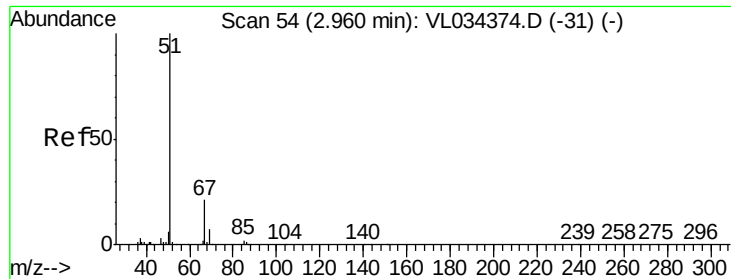
Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Tgt Ion:	85	Resp:	1682496
Ion Ratio	Lower	Upper	
85	100		
87	35.0	28.5	42.7





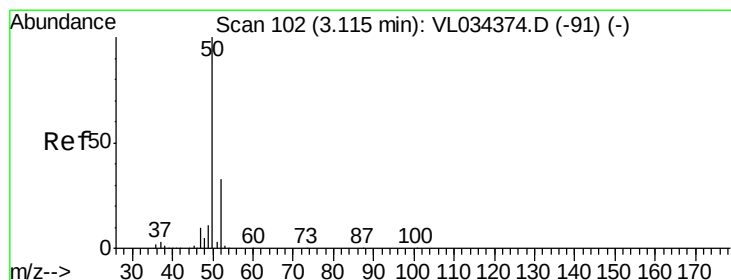
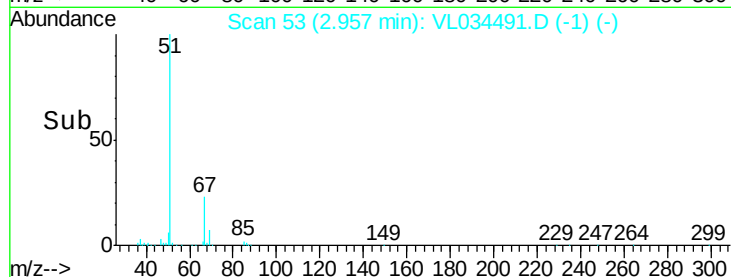
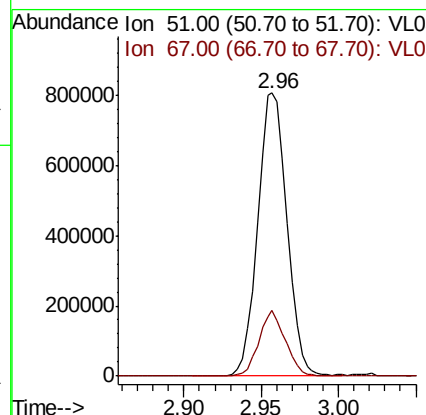
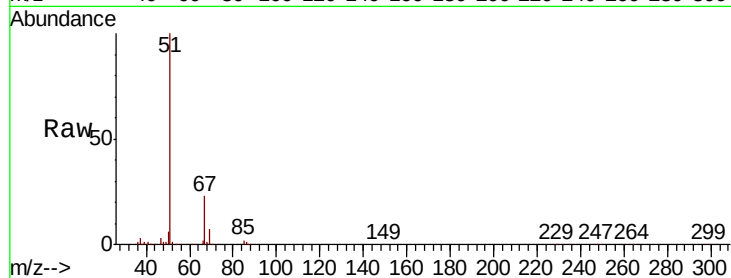
#3
Chlorodifluoromethane
Concen: 9.258 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
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ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1063212
Ion Ratio Lower Upper
51 100
67 21.0 16.2 24.2

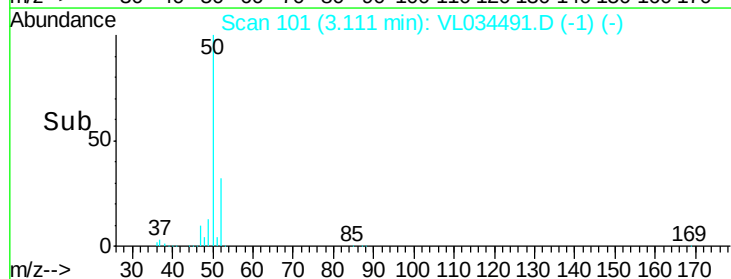
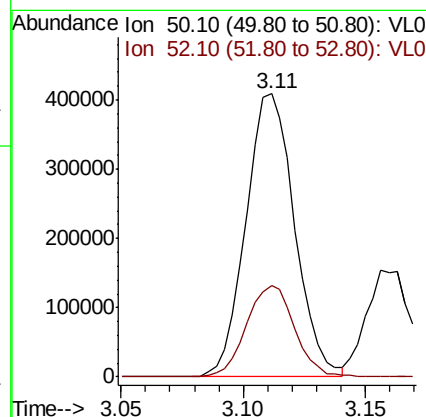
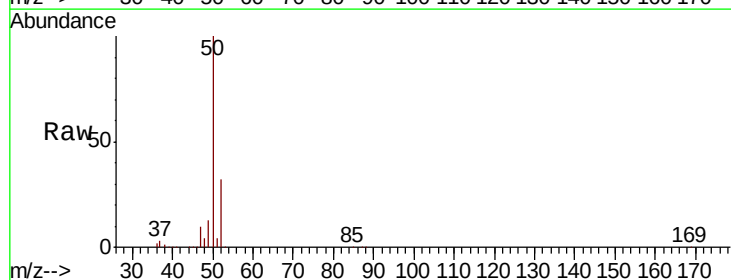
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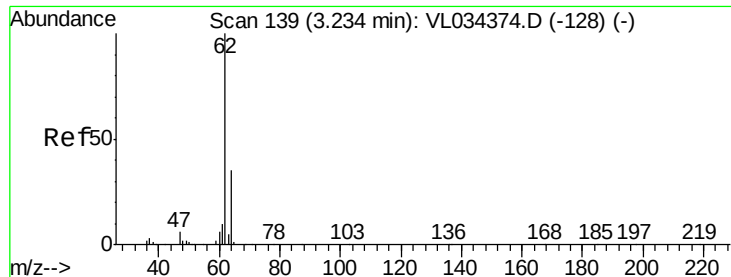
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#4
Chloromethane
Concen: 8.310 ppbv
RT: 3.11 min Scan# 101
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 50 Resp: 562907
Ion Ratio Lower Upper
50 100
52 32.3 26.8 40.2





#5

Vinyl Chloride

Concen: 8.527 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 541211

Ion Ratio Lower Upper

62 100

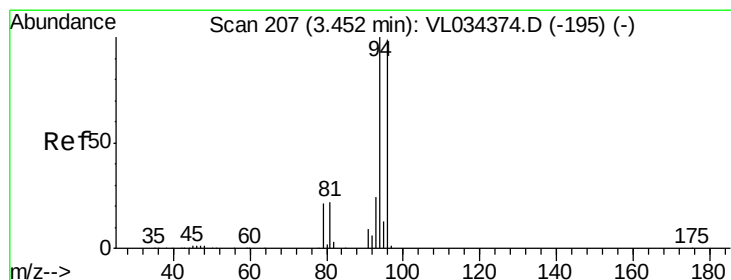
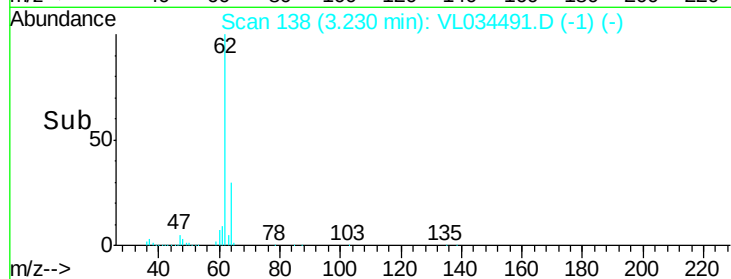
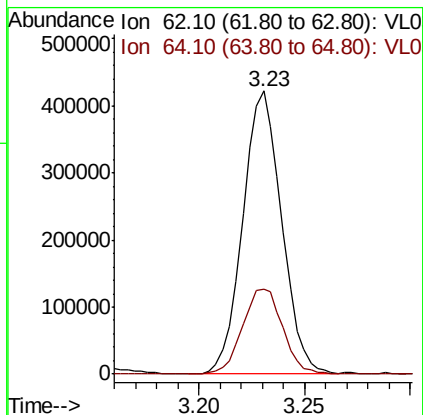
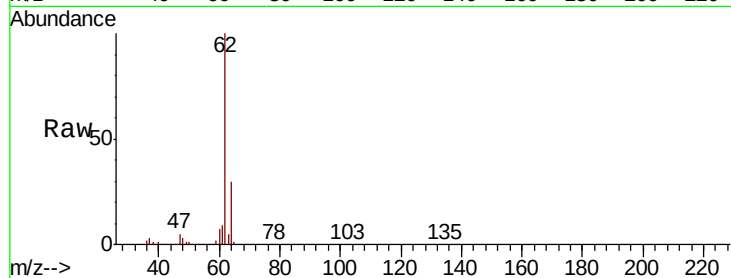
64 29.9 28.4 42.6

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#6

Bromomethane

Concen: 9.633 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL034491.D

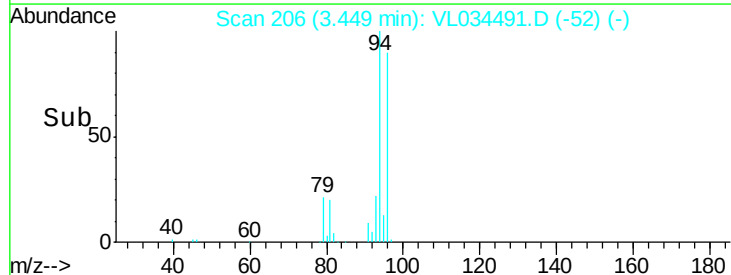
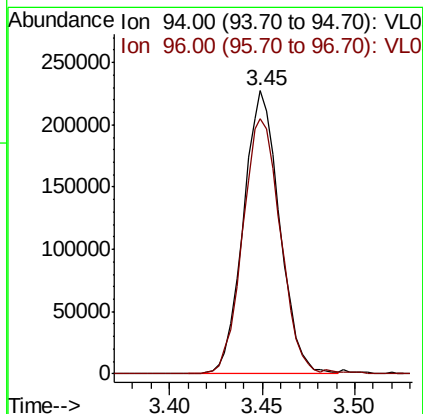
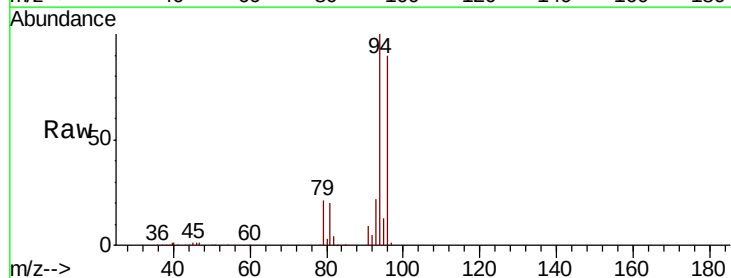
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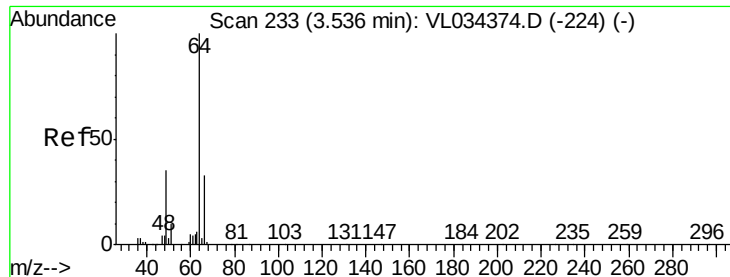
Tgt Ion: 94 Resp: 307630

Ion Ratio Lower Upper

94 100

96 90.2 79.5 119.3





#7

Chloroethane

Concen: 8.688 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 200138

Ion Ratio Lower Upper

64 100

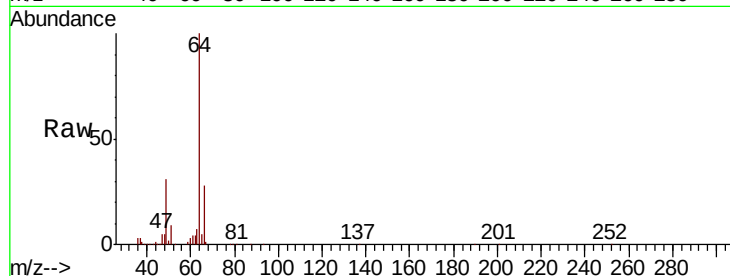
66 28.3 26.0 39.0

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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

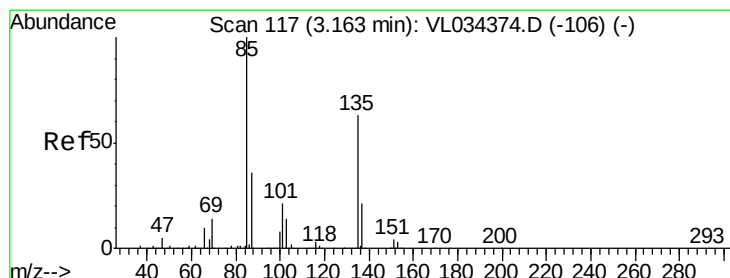
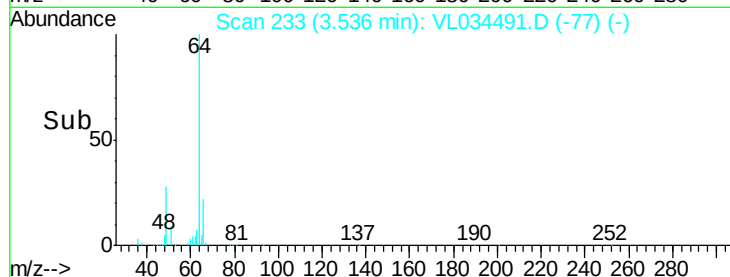
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.753 ppbv

RT: 3.16 min Scan# 116

Delta R.T. -0.00 min

Lab File: VL034491.D

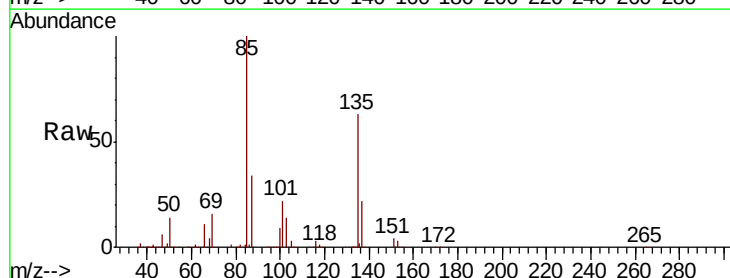
Acq: 10 Dec 2019 11:04

Tgt Ion: 85 Resp: 1308884

Ion Ratio Lower Upper

85 100

135 63.3 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

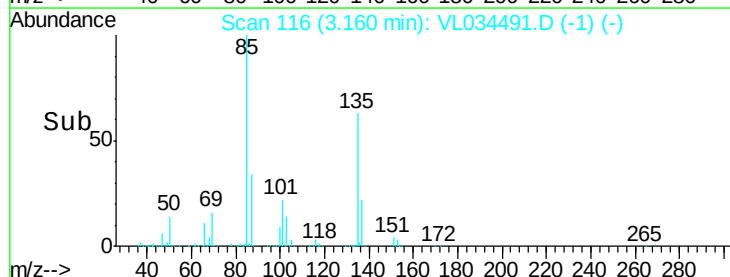
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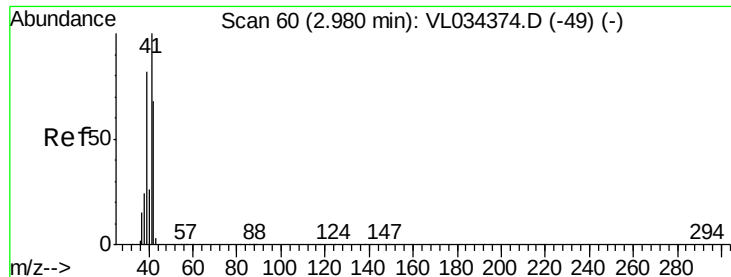
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Time-->





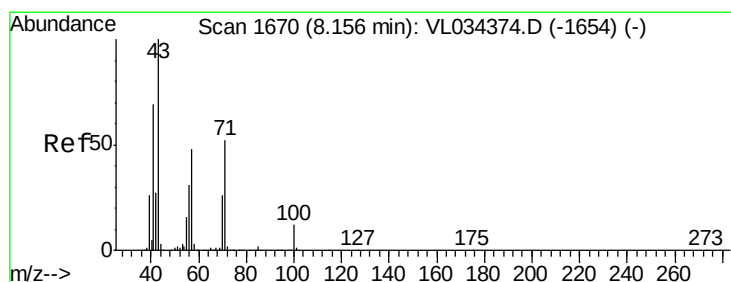
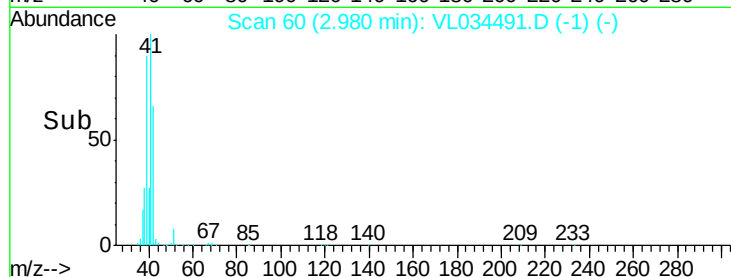
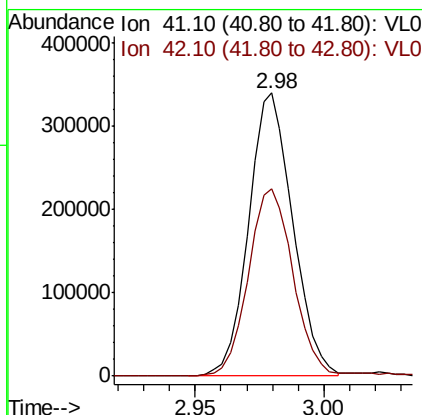
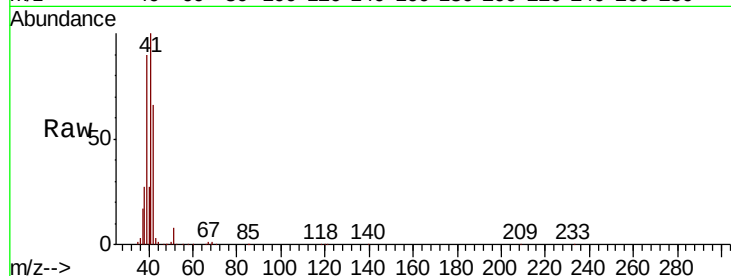
#9
 Propene
 Concen: 7.988 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. -0.00 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 407276
 Ion Ratio Lower Upper
 41 100
 42 68.5 54.6 82.0

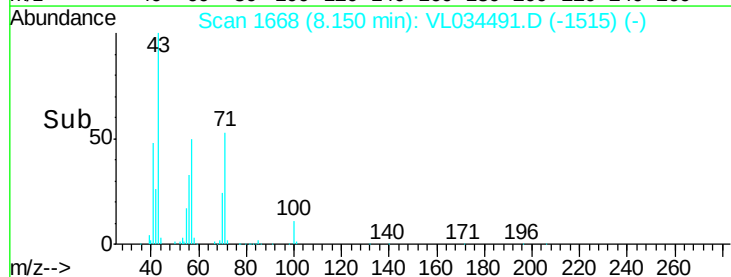
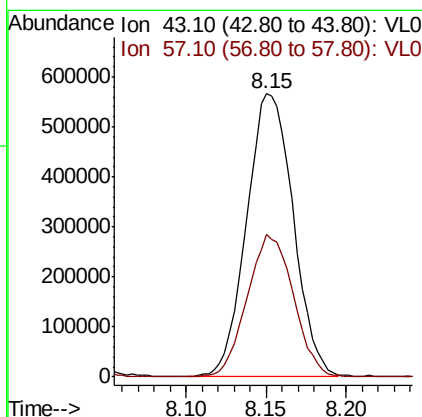
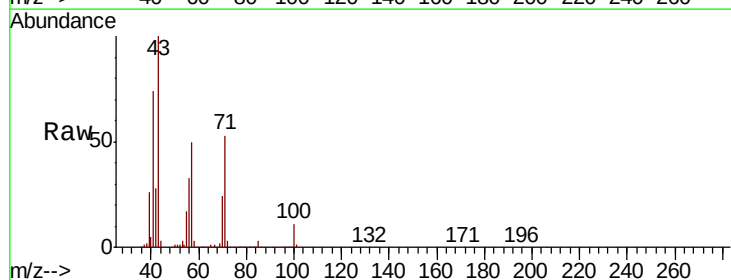
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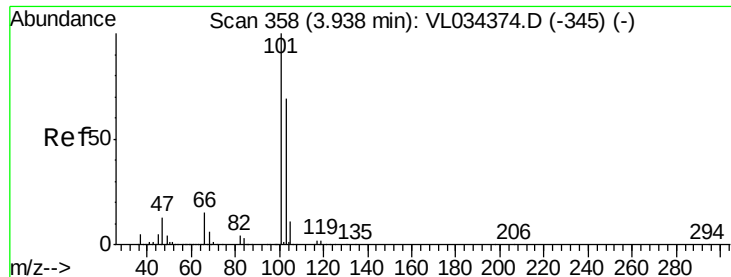
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#10
 Heptane
 Concen: 8.570 ppbv
 RT: 8.15 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Tgt Ion: 43 Resp: 1127659
 Ion Ratio Lower Upper
 43 100
 57 49.7 40.2 60.2





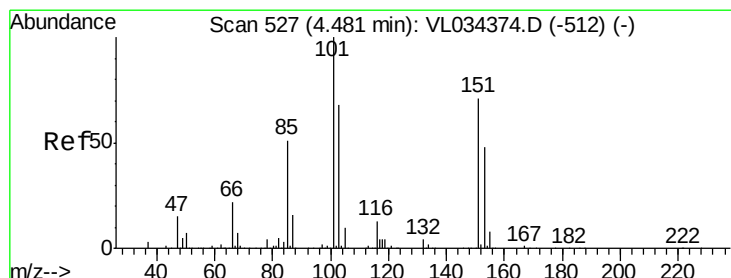
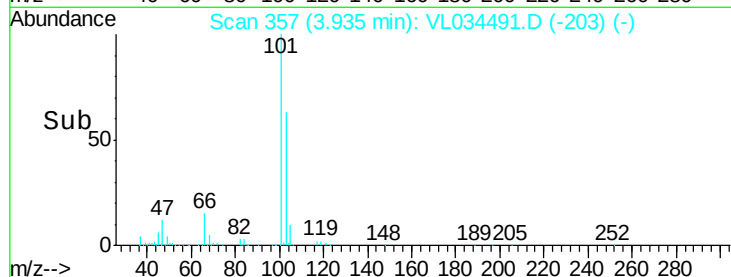
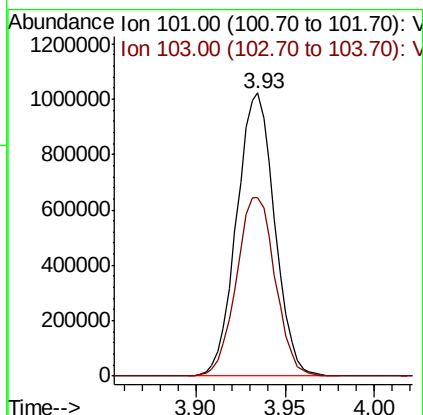
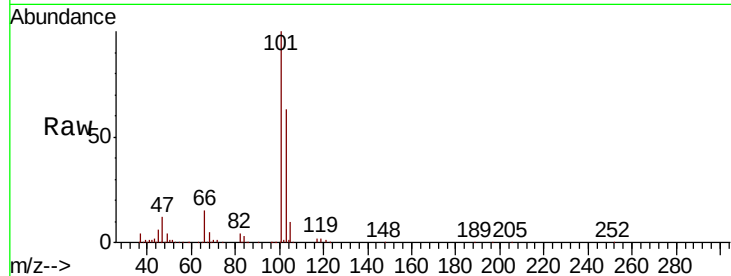
#11
 Trichlorofluoromethane
 Concen: 9.164 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1518726
 Ion Ratio Lower Upper
 101 100
 103 62.8 55.4 83.0

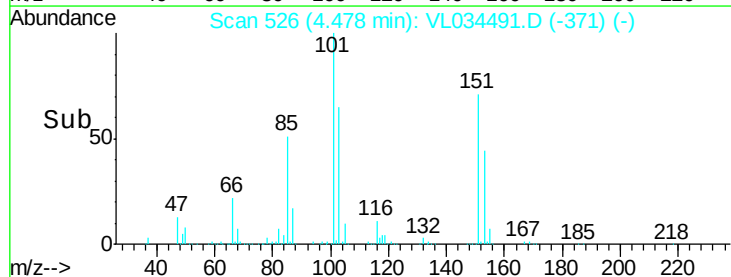
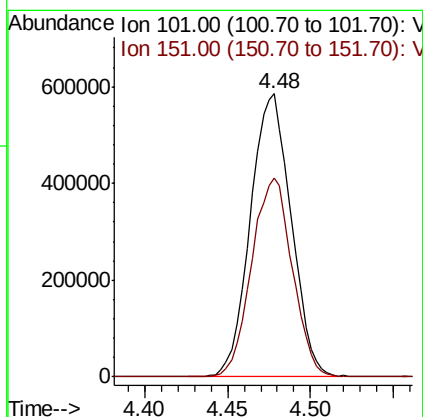
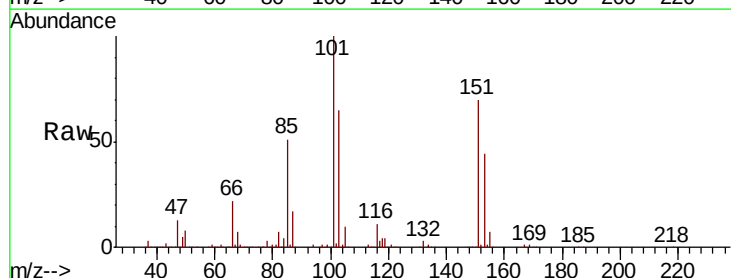
Manual Integrations
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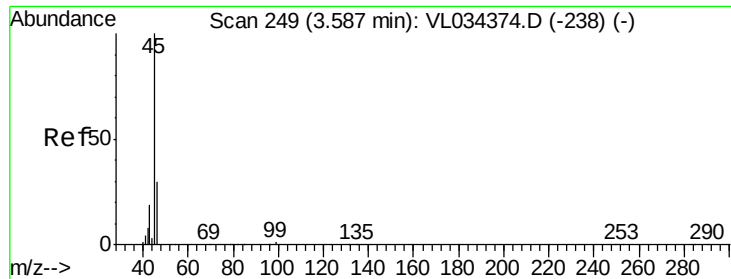
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.082 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Tgt Ion:101 Resp: 999569
 Ion Ratio Lower Upper
 101 100
 151 70.4 57.4 86.2





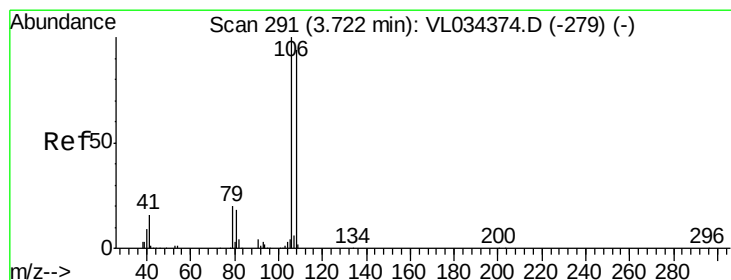
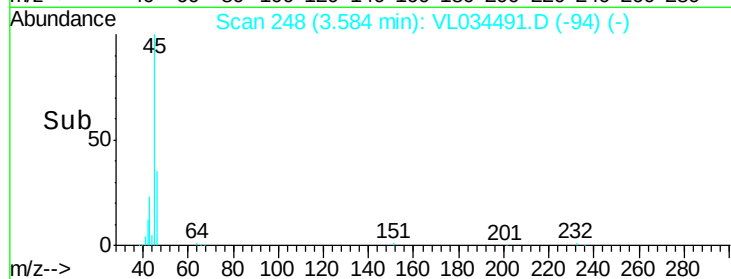
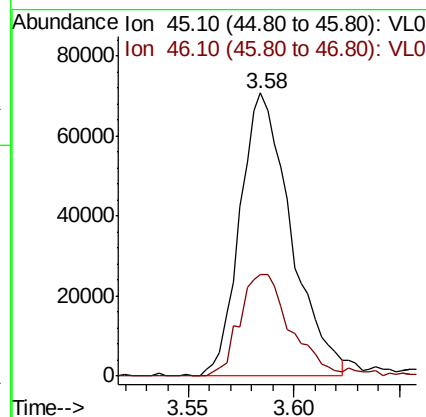
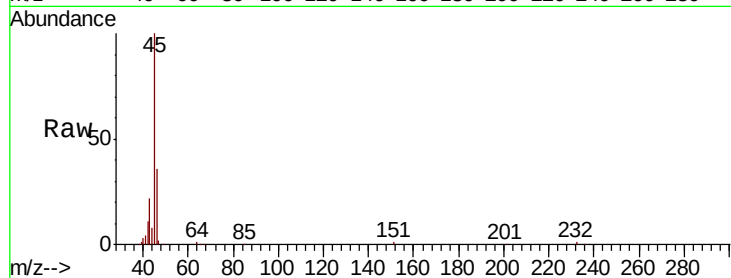
#13
Ethanol
Concen: 8.391 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	119169
Ion Ratio	100	Lower	Upper
46	37.7	13.8	55.4

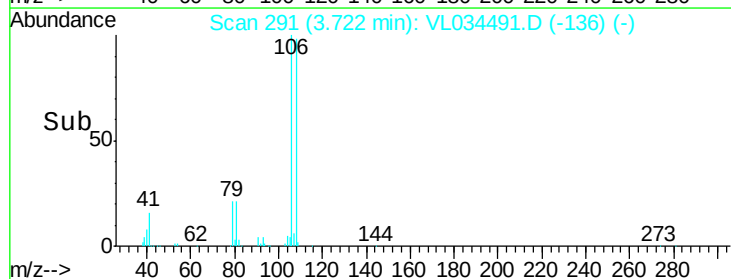
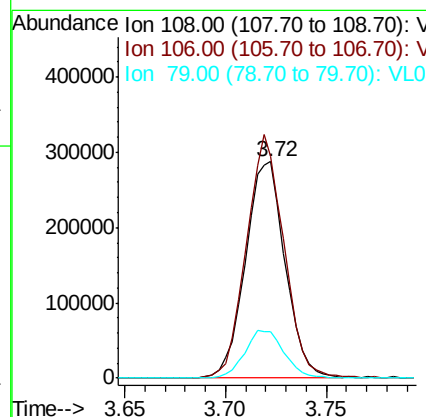
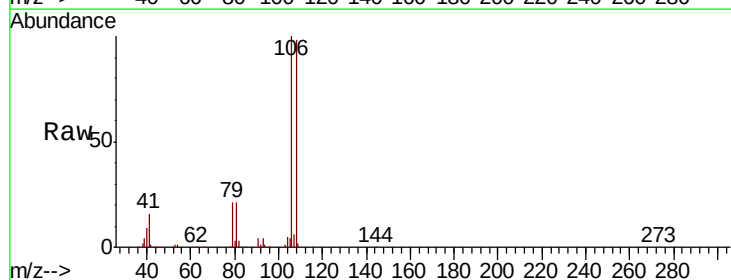
Manual Integrations
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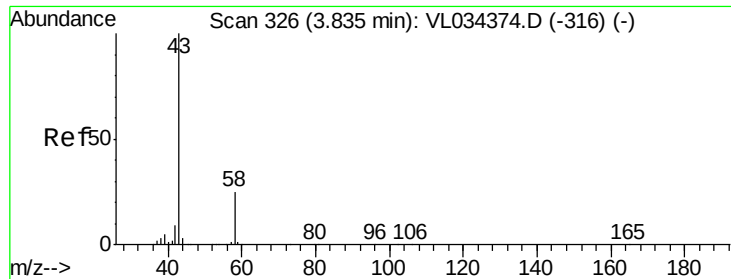
apatel
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#14
Bromoethene
Concen: 8.878 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion	108	Resp	397268
Ion Ratio	100	Lower	Upper
106	106.7	85.7	128.5
79	22.3	17.2	25.8





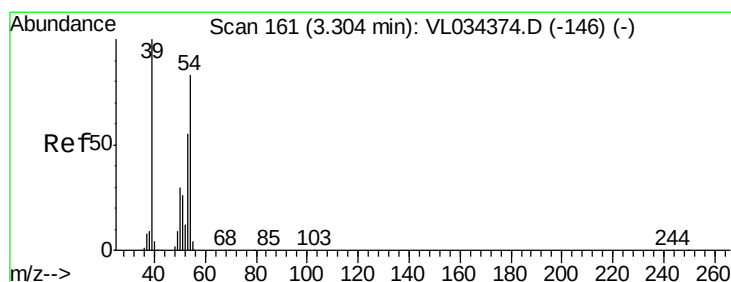
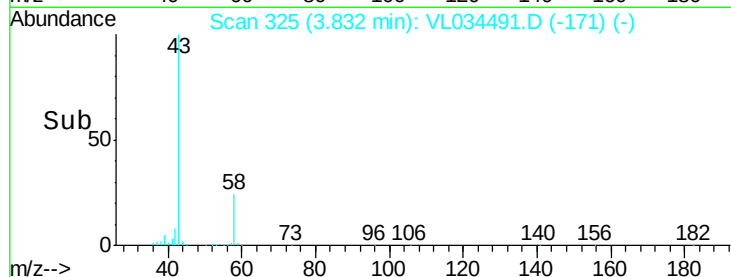
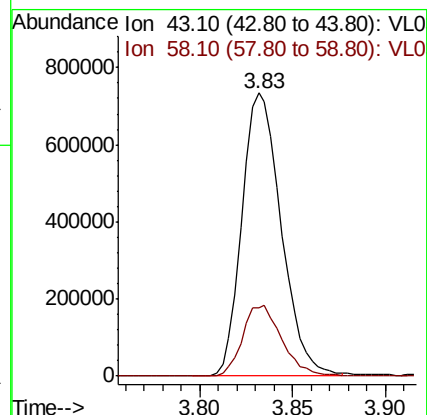
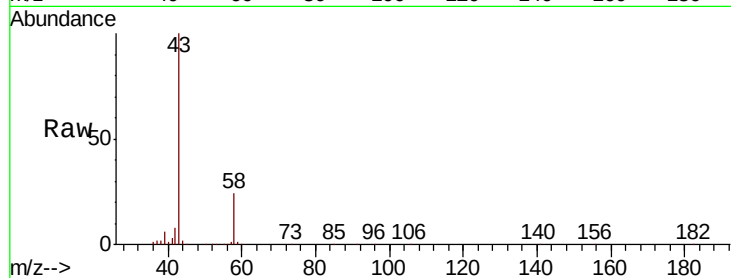
#15
Acetone
Concen: 8.194 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1079952
Ion Ratio Lower Upper
43 100
58 25.0 20.2 30.4

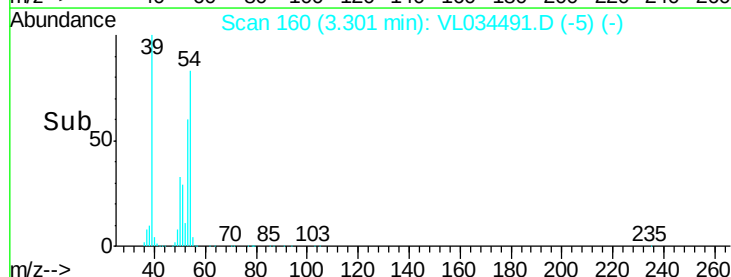
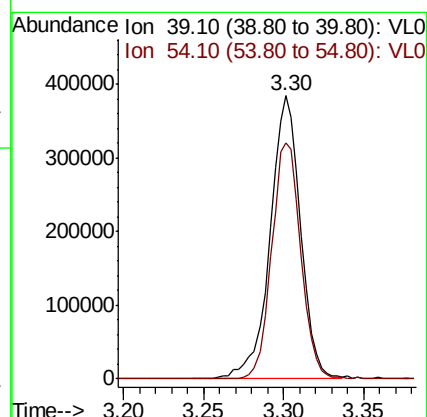
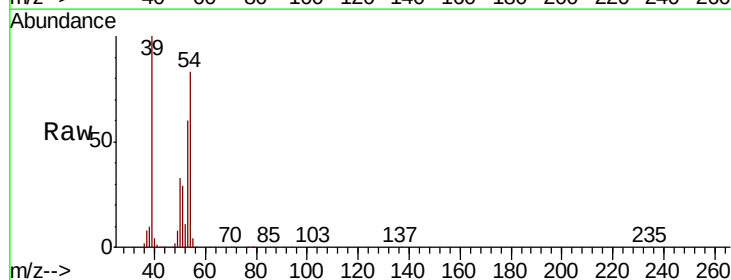
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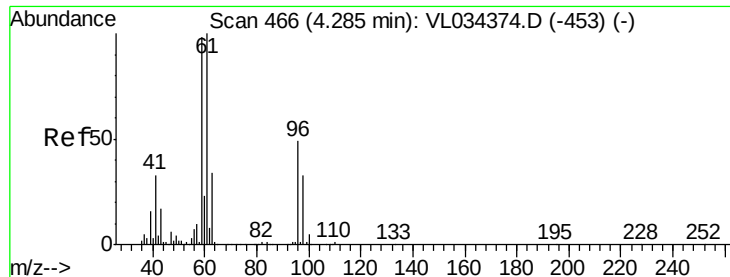
apatel
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#16
1,3-Butadiene
Concen: 8.800 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 39 Resp: 505225
Ion Ratio Lower Upper
39 100
54 80.3 64.7 97.1





#17

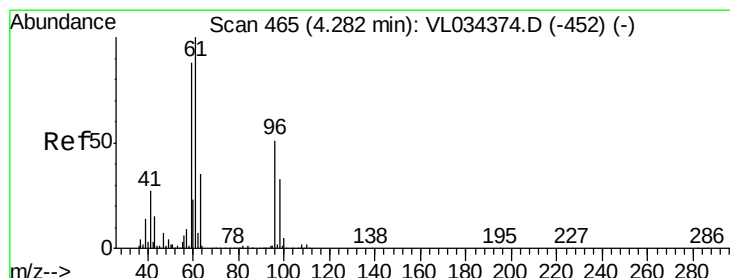
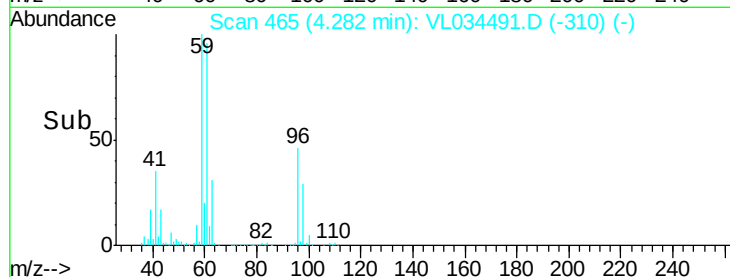
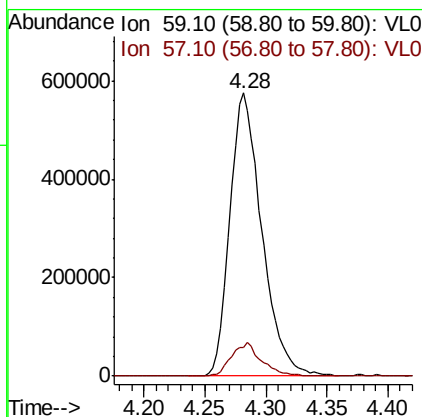
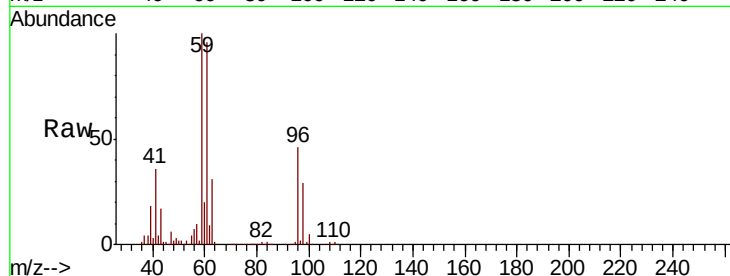
tert-Butyl alcohol
Concen: 9.486 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1050922
Ion Ratio Lower Upper
59 100
57 11.2 8.8 13.2

Manual Integrations
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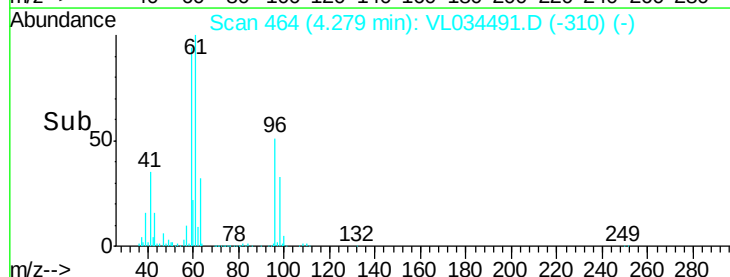
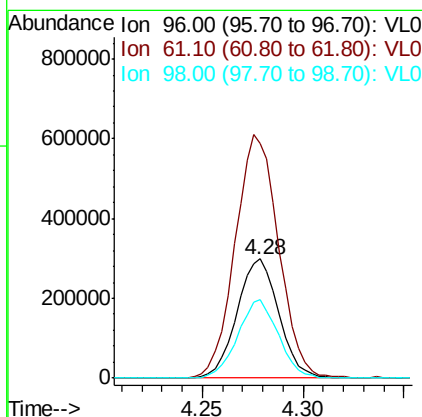
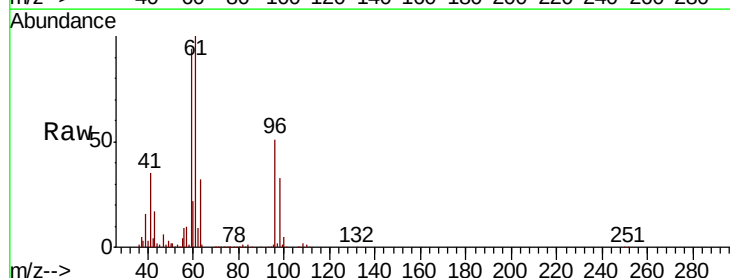
apatel
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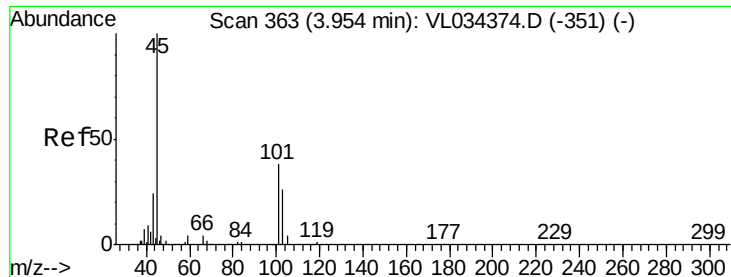


#18

1,1-Dichloroethene
Concen: 8.993 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 96 Resp: 432908
Ion Ratio Lower Upper
96 100
61 196.5 155.6 233.4
98 65.5 51.6 77.4





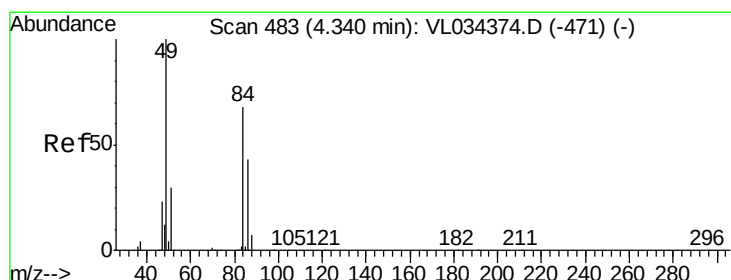
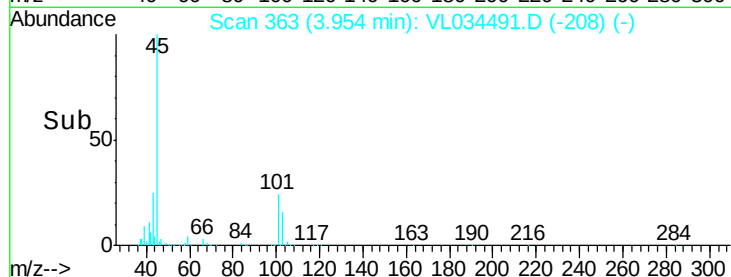
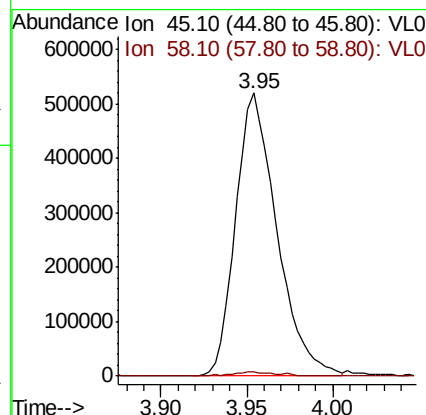
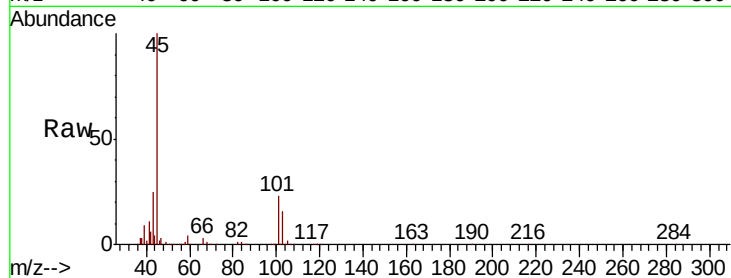
#19
Isopropyl Alcohol
Concen: 10.310 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.3	1.9#

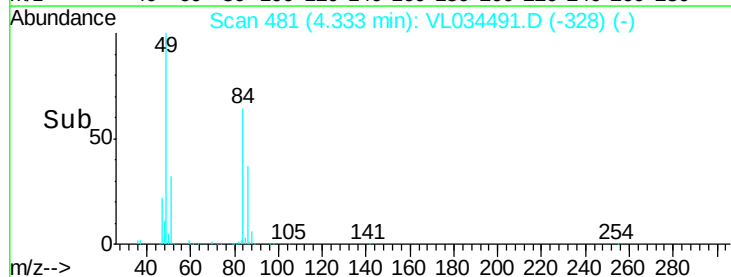
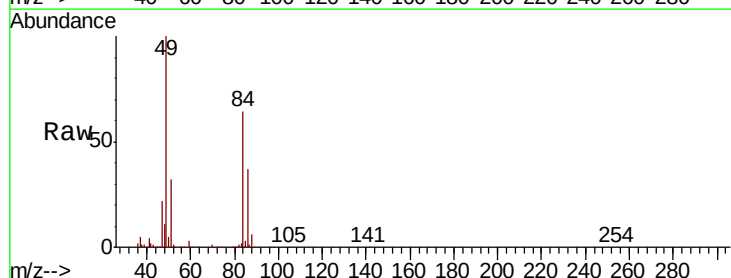
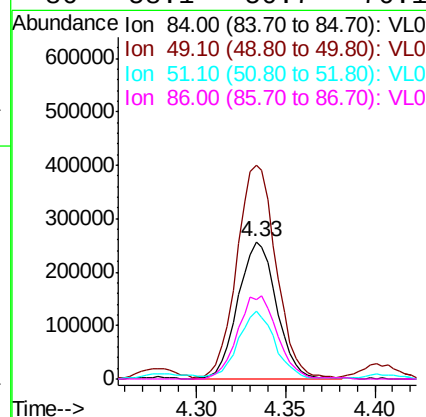
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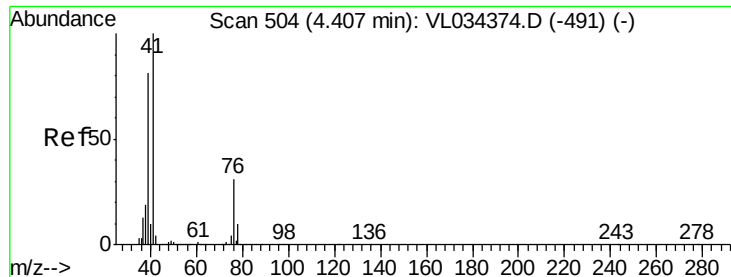
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#20
Methylene Chloride
Concen: 8.227 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.9	116.8	175.2
51	49.1	35.6	53.4
86	58.1	50.7	76.1





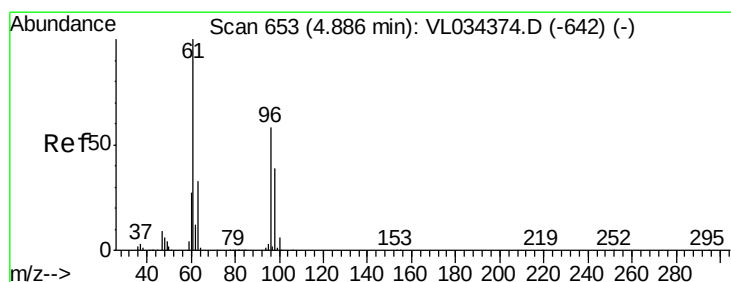
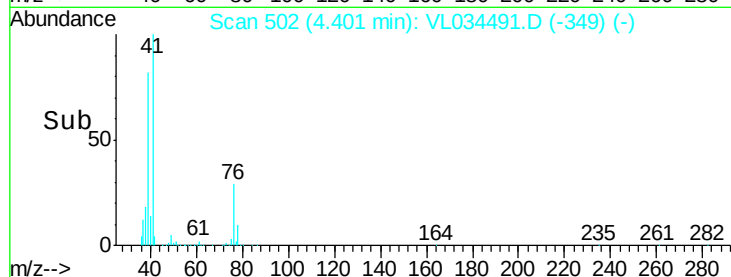
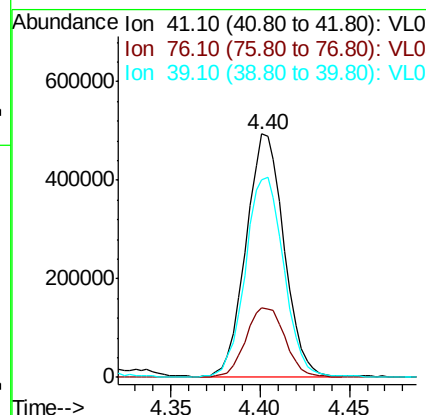
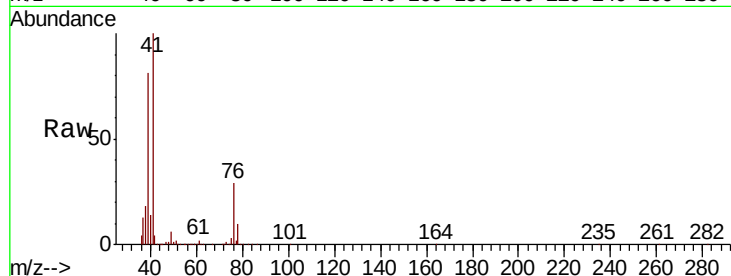
#21
Allvl Chloride
Concen: 9.249 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.8	24.2	36.2
39	83.9	66.9	100.3

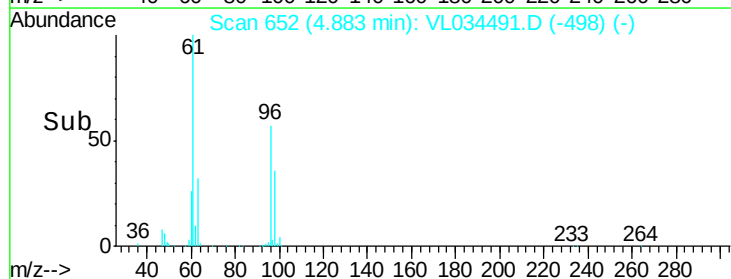
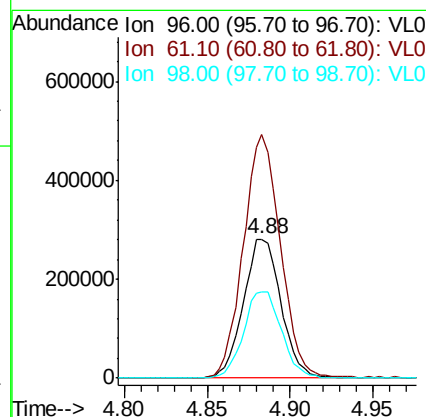
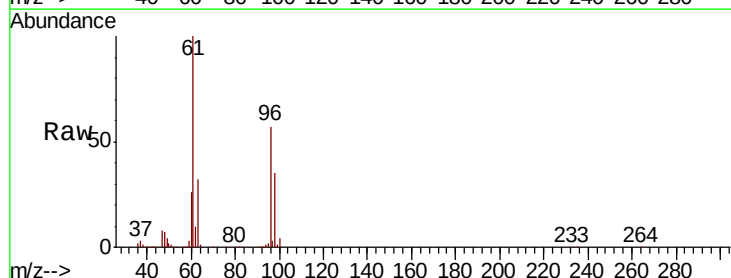
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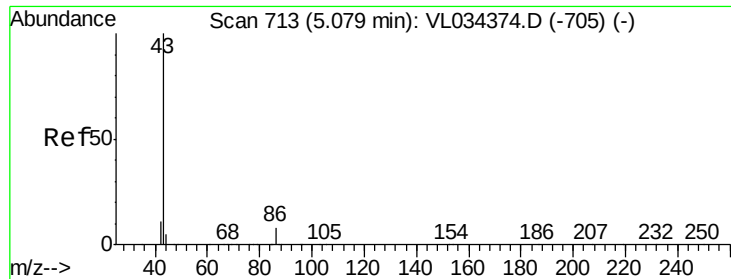
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#22
trans-1,2-Dichloroethene
Concen: 9.161 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.2	137.9	206.9
98	62.1	53.5	80.3





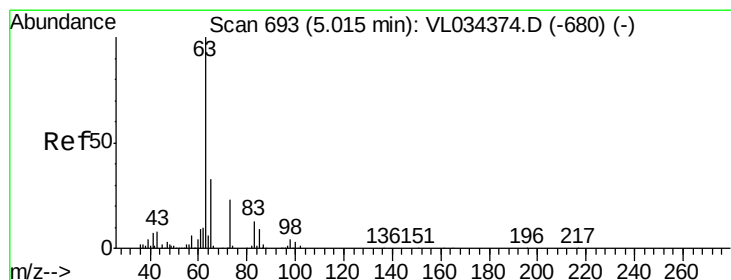
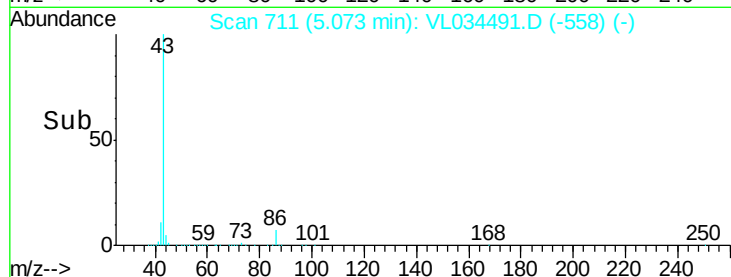
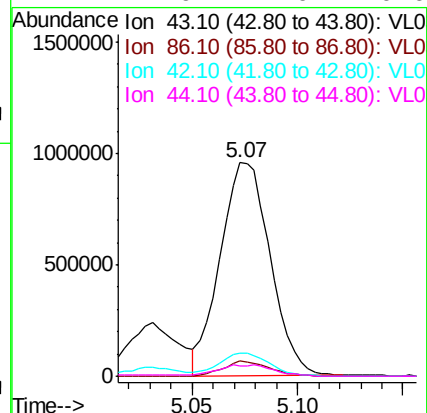
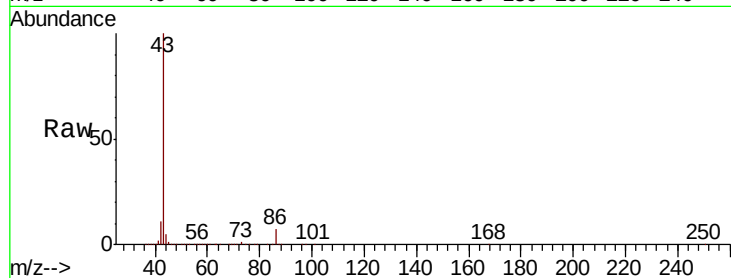
#23
 Vinyl Acetate
 Concen: 9.086 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	43	Resp	1564458
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.6
42	11.0	8.9	13.3
44	4.9	4.0	6.0

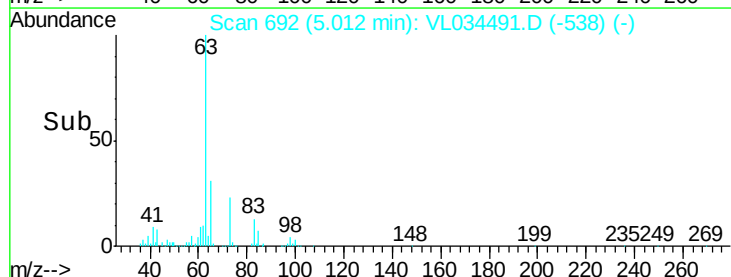
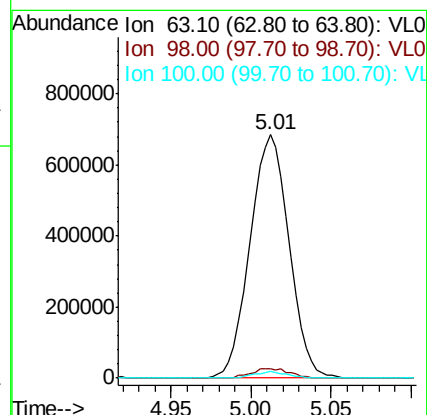
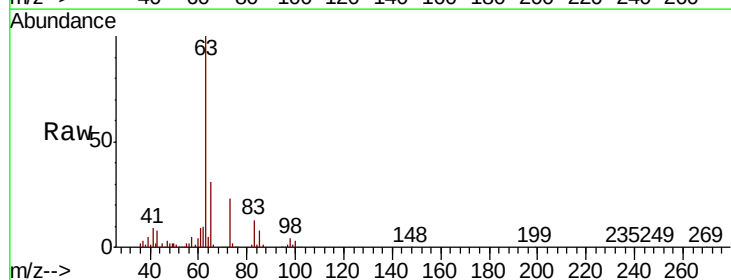
Manual Integrations
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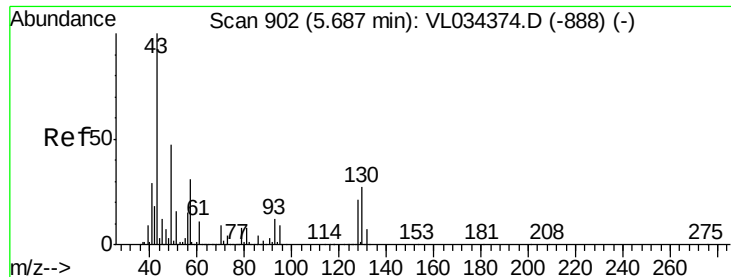
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#24
 1,1-Dichloroethane
 Concen: 8.663 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Tgt Ion	63	Resp	1145757
Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.9	5.7
100	2.6	1.4	4.0





#25

Ethyl Acetate

Concen: 8.288 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1949366

Ion Ratio Lower Upper

43 100

45 10.1 8.2 12.4

61 9.4 7.5 11.3

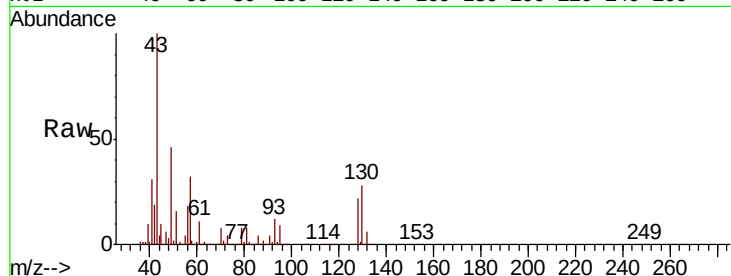
70 6.7 5.7 8.5

Manual Integrations

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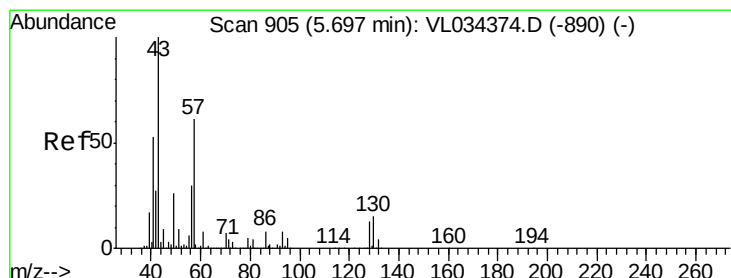
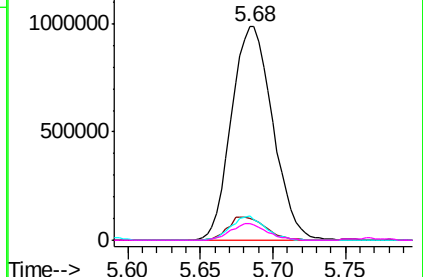
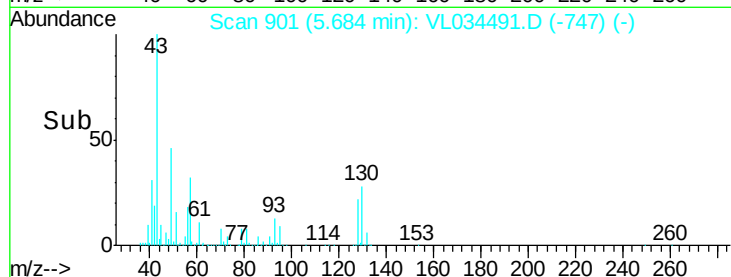
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

Time-->



#26

Hexane

Concen: 8.310 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Tgt Ion: 57 Resp: 839870

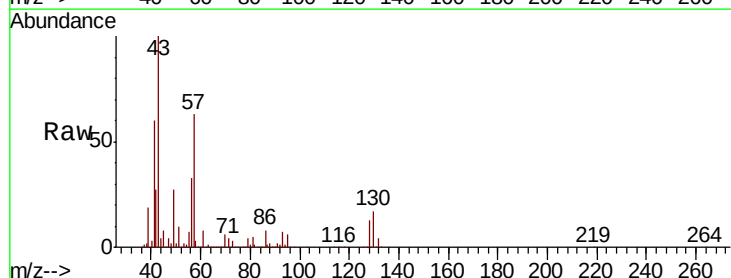
Ion Ratio Lower Upper

57 100

41 98.2 75.0 112.4

43 234.0 186.6 279.8

56 54.2 41.5 62.3



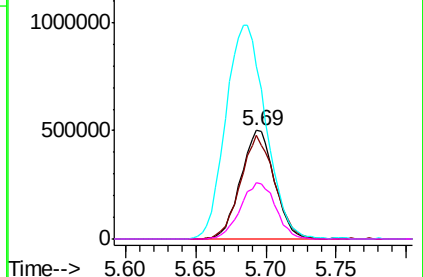
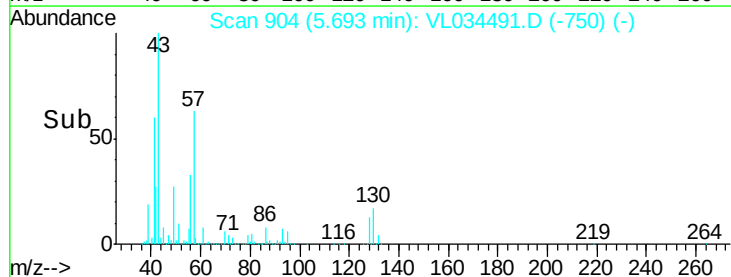
Abundance Ion 57.10 (56.80 to 57.80): VL0

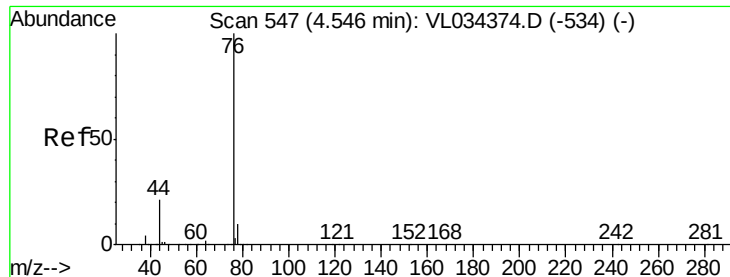
Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Time-->





#27

Carbon Disulfide

Concen: 9.992 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1099838

Ion Ratio Lower Upper

76 100

44 20.4 17.0 25.4

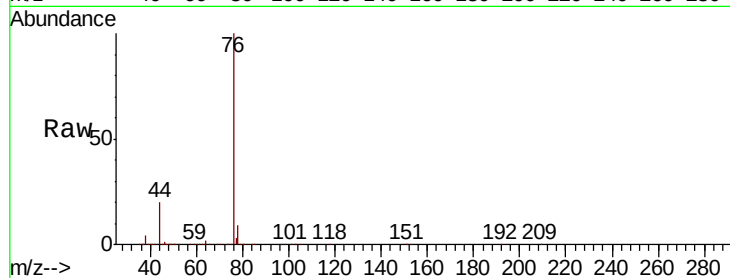
78 9.2 7.6 11.4

Manual Integrations

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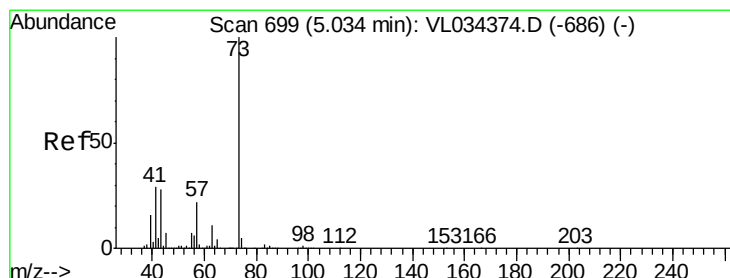
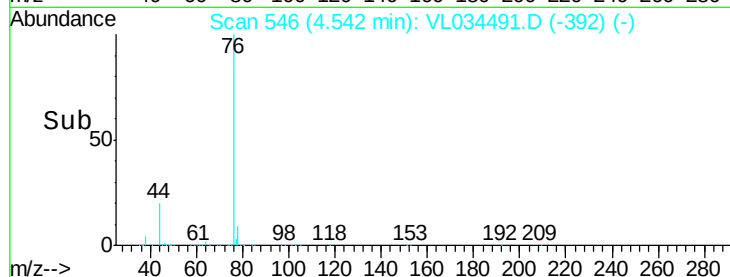
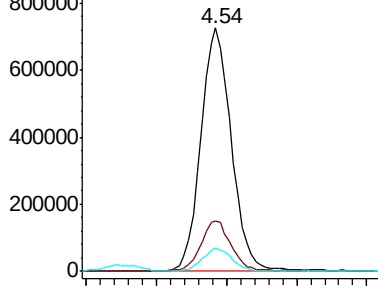
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.421 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL034491.D

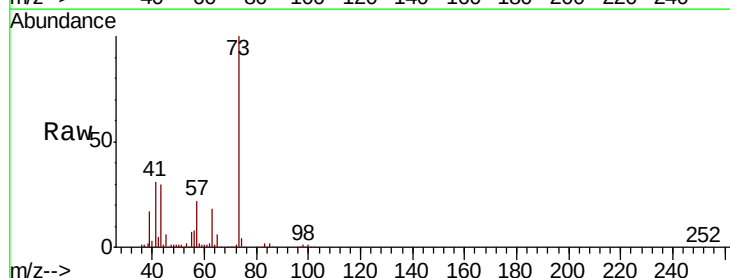
Acq: 10 Dec 2019 11:04

Tgt Ion: 73 Resp: 1411132

Ion Ratio Lower Upper

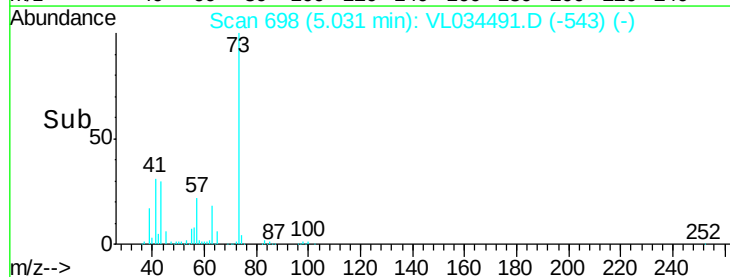
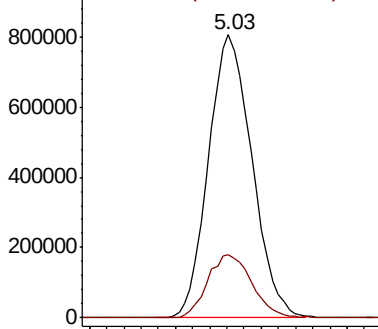
73 100

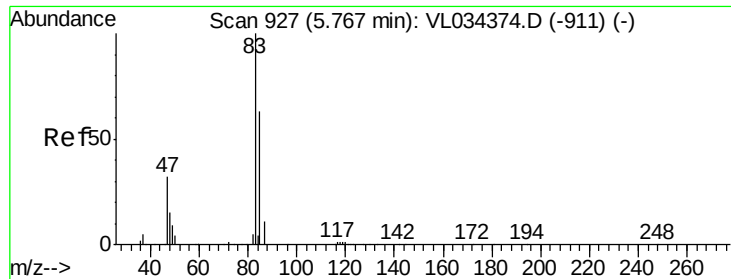
57 22.8 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





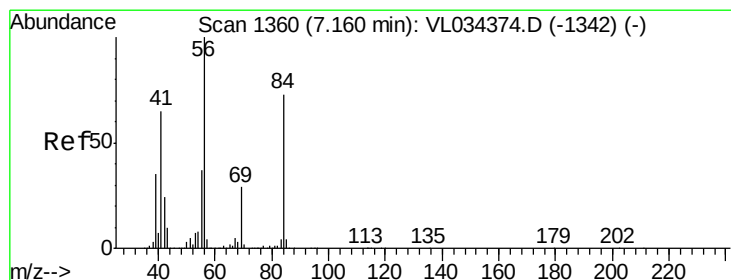
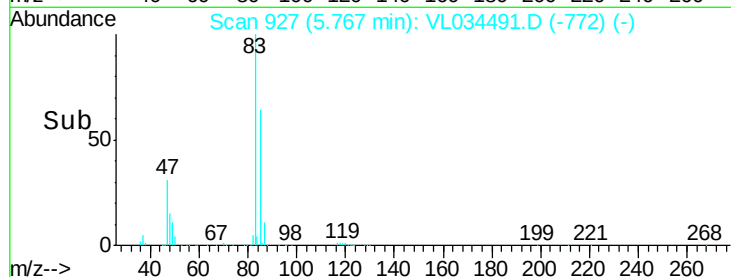
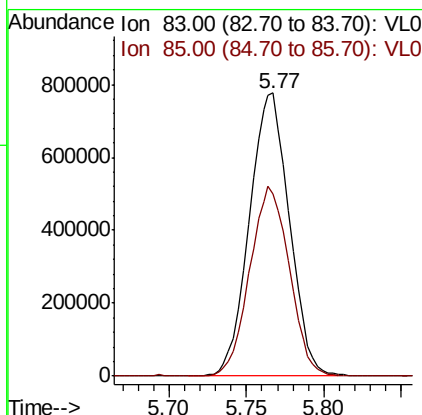
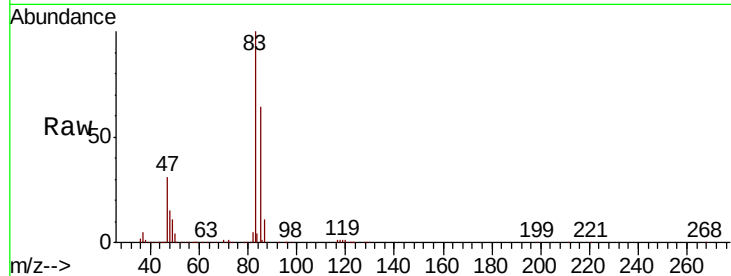
#29
Chloroform
Concen: 8.515 ppbv
RT: 5.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1393588
Ion Ratio Lower Upper
83 100
85 64.4 50.4 75.6

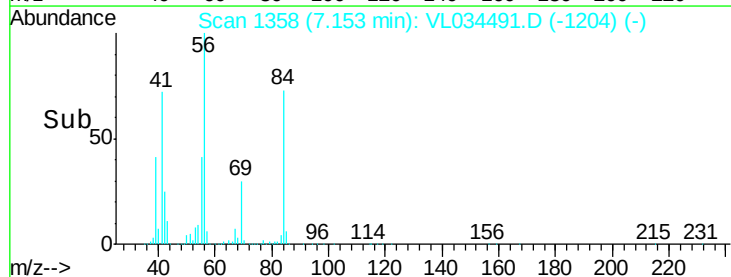
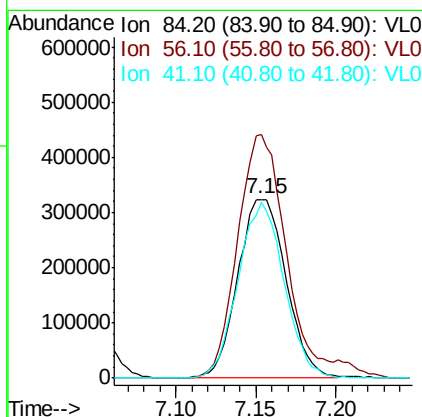
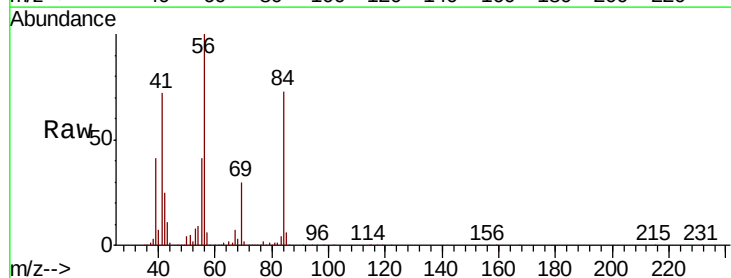
Manual Integrations
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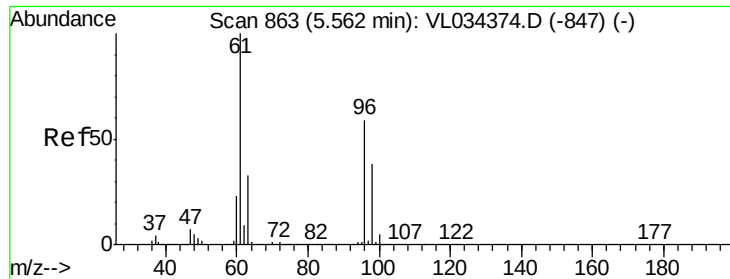
apatel
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#30
Cyclohexane
Concen: 8.746 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 84 Resp: 668209
Ion Ratio Lower Upper
84 100
56 140.8 112.6 169.0
41 93.9 73.4 110.2





#31

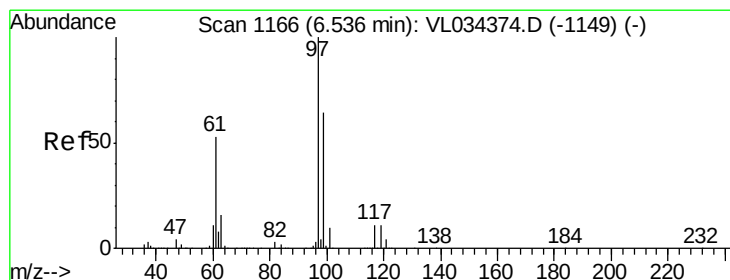
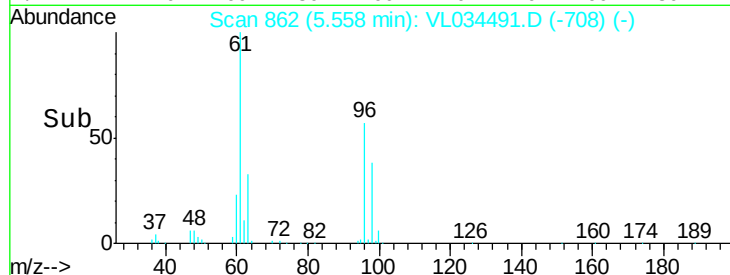
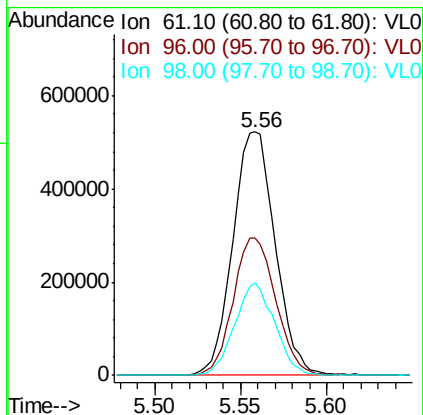
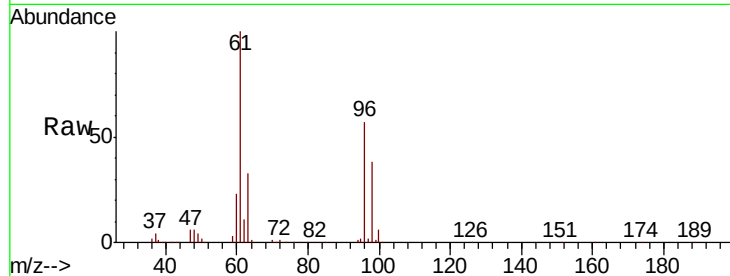
cis-1,2-Dichloroethene
Concen: 8.543 ppbv
RT: 5.56 min Scan# 862
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	56.4	47.4	71.2
98	37.7	30.6	45.8

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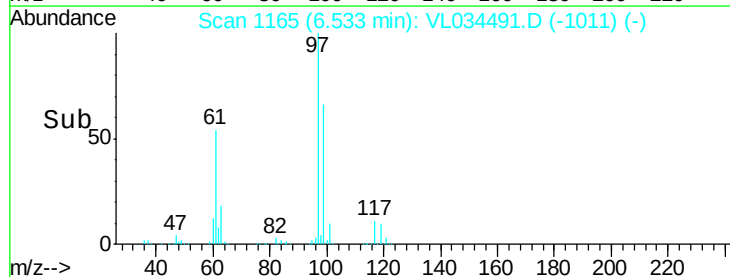
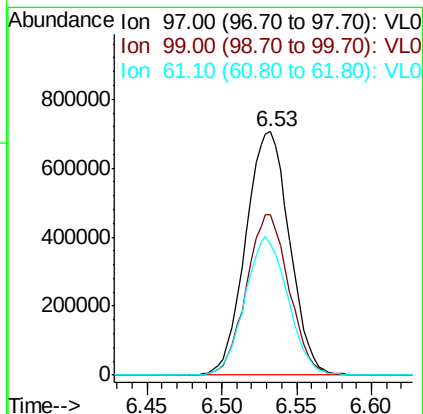
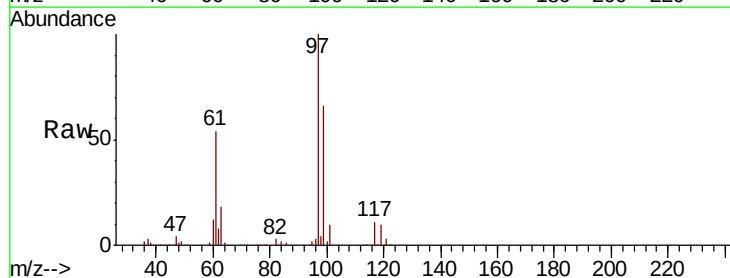
apatel
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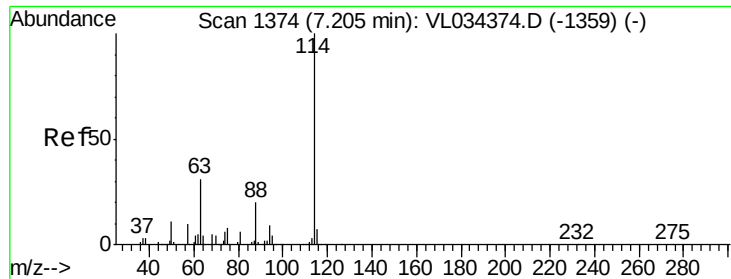


#32

1,1,1-Trichloroethane
Concen: 9.361 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.3	78.5
61	55.8	43.7	65.5





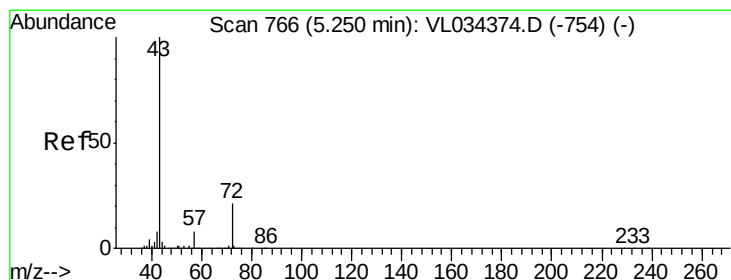
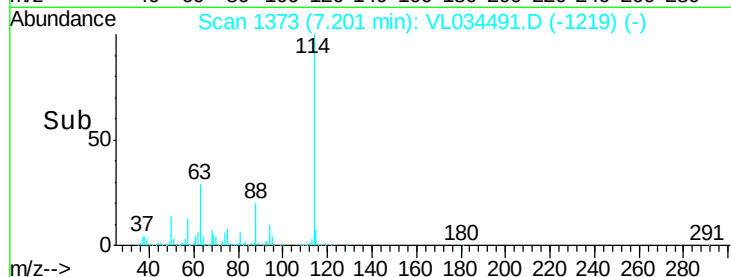
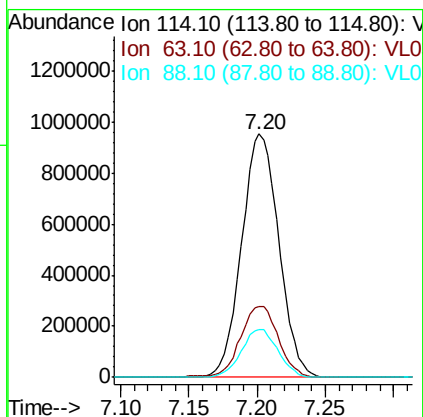
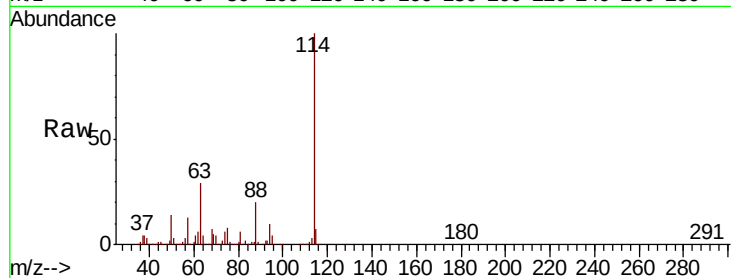
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. -0.00 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.2	36.4
88	19.6	15.9	23.9

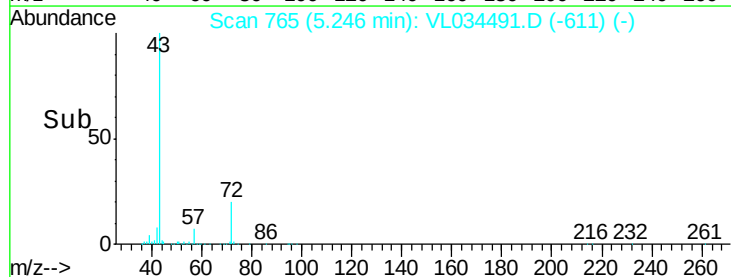
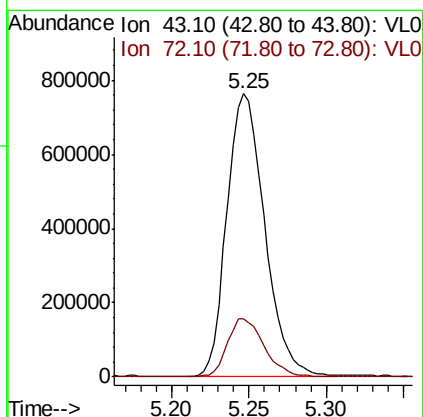
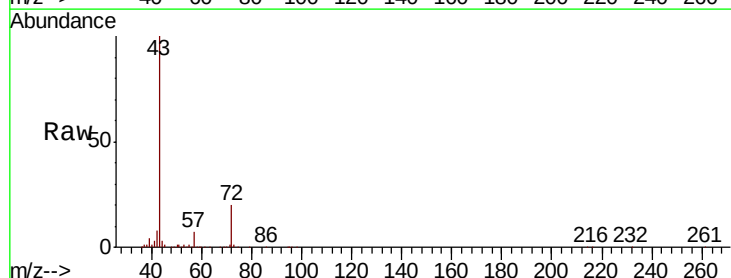
Manual Integrations
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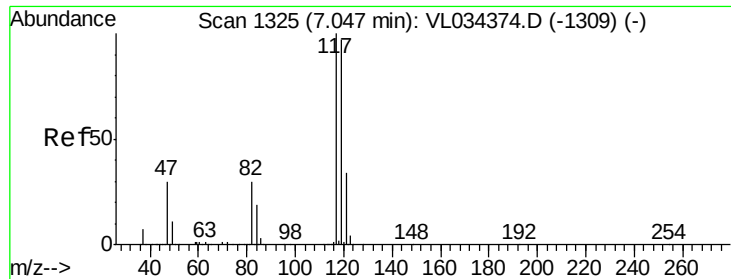
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#34
 2-Butanone
 Concen: 8.717 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.0	17.0	25.6





#35

Carbon Tetrachloride

Concen: 9.828 ppbv

RT: 7.04 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

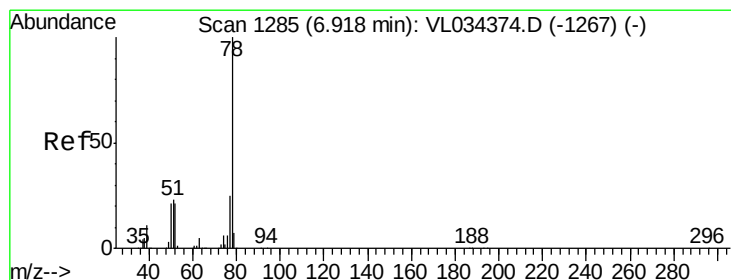
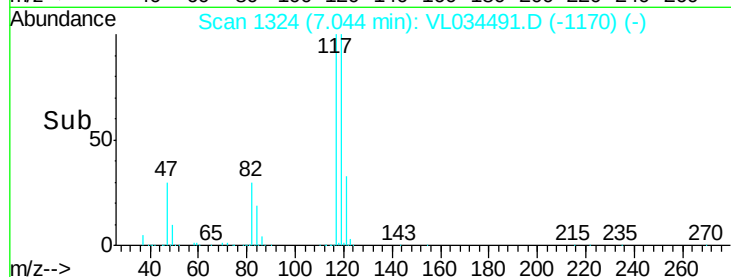
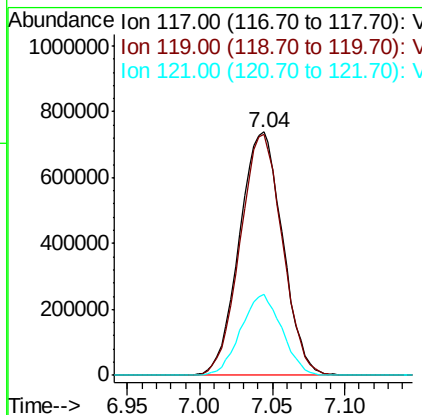
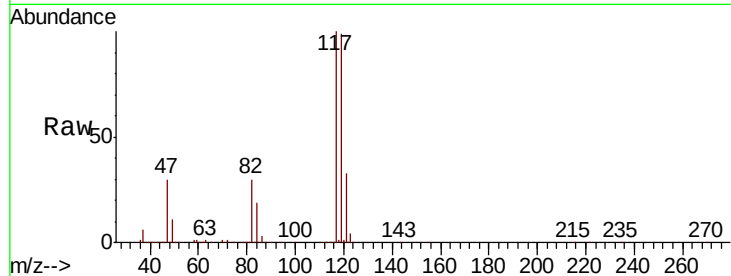
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
117	100			
119	99.1	77.3	115.9	
121	33.3	27.4	41.2	

Manual Integrations
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#36

Benzene

Concen: 8.842 ppbv

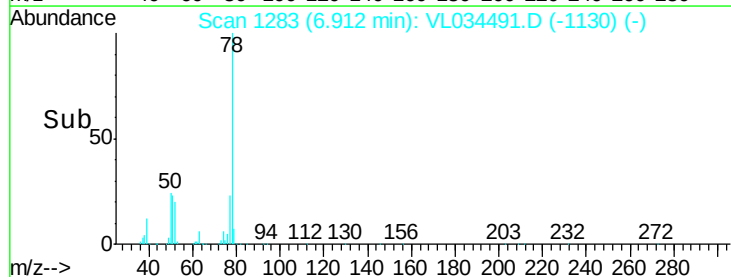
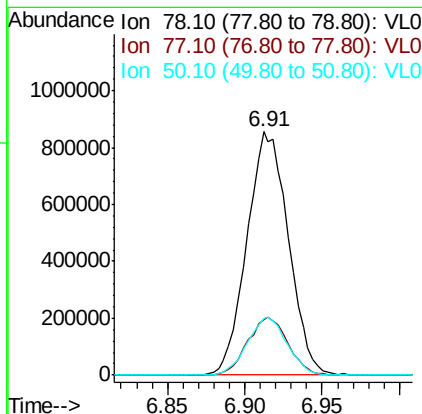
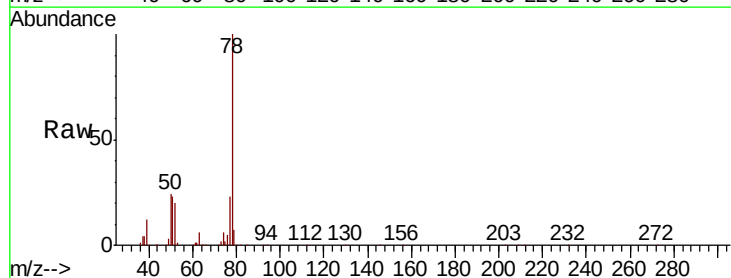
RT: 6.91 min Scan# 1283

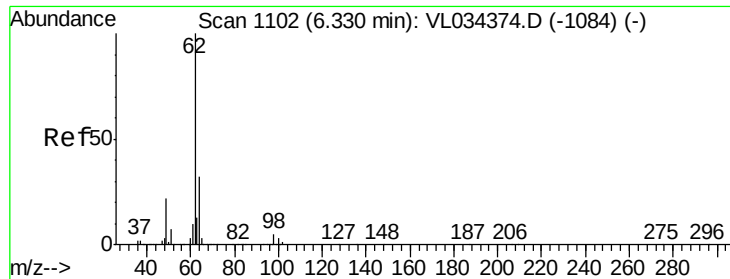
Delta R.T. -0.01 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Tgt Ion	Ion	Ratio	Lower	Upper
78	100			
77	22.9	20.2	30.4	
50	23.5	17.1	25.7	





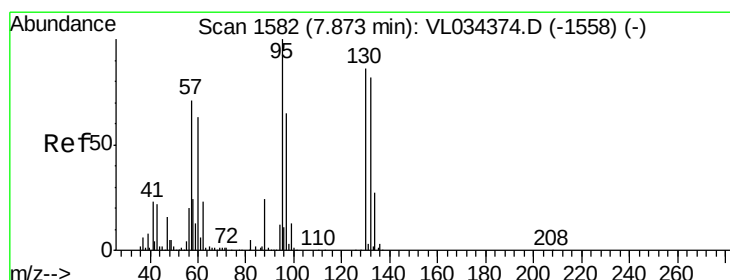
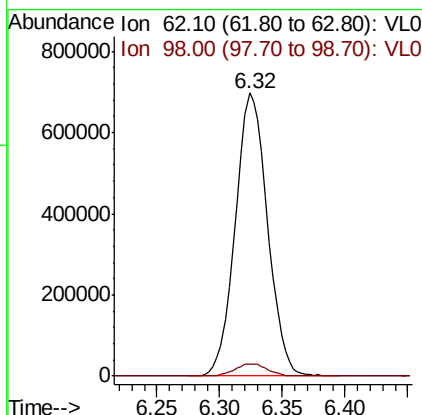
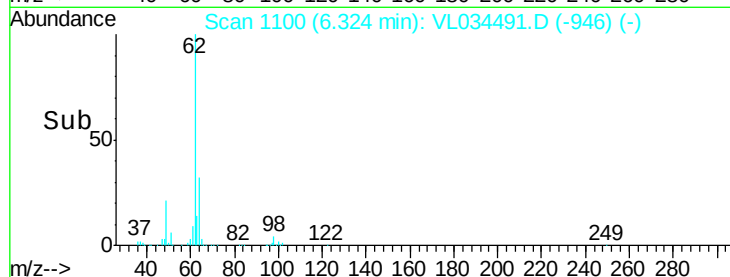
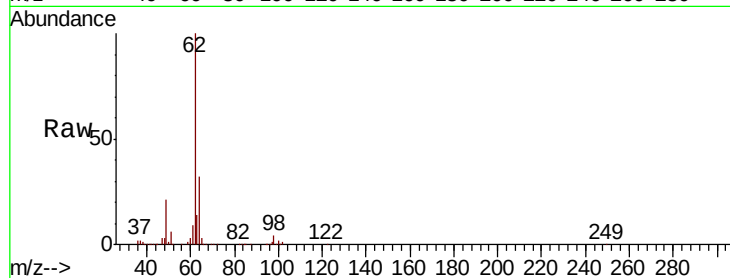
#37
 1,2-Dichloroethane
 Concen: 9.280 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.4	3.8	5.8

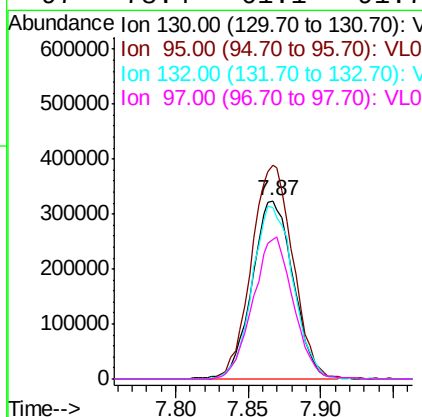
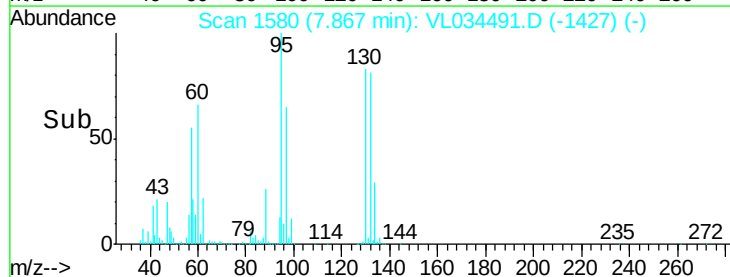
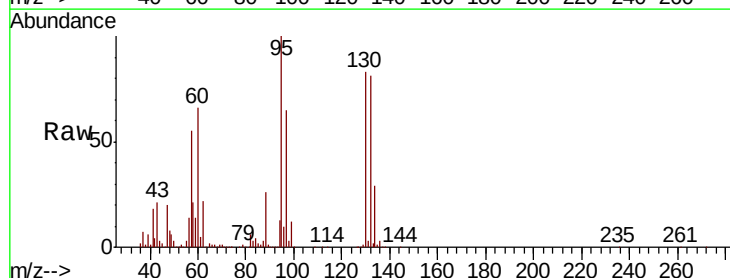
Manual Integrations
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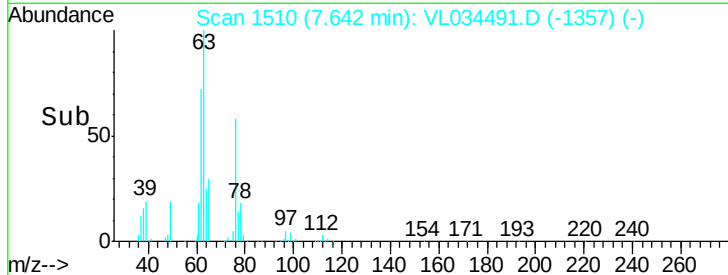
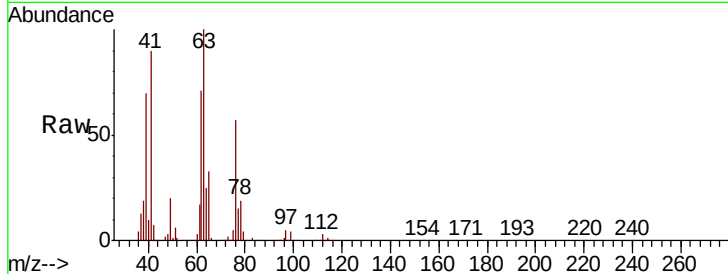
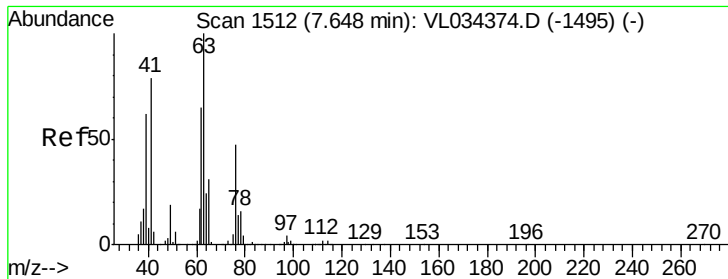
apatel
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#38
 Trichloroethene
 Concen: 8.564 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.2	93.4	140.0
132	96.9	76.4	114.6
97	78.4	61.1	91.7





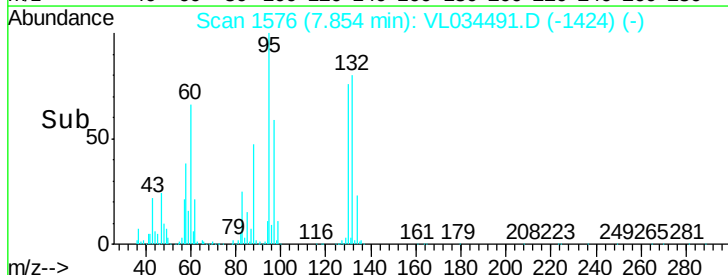
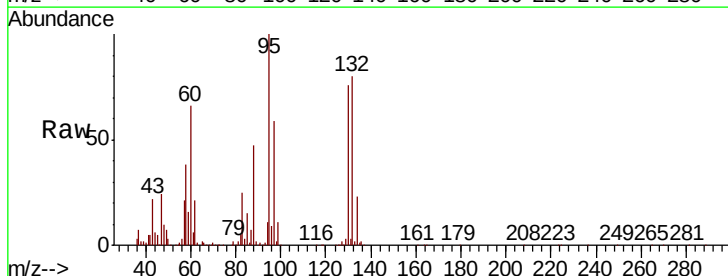
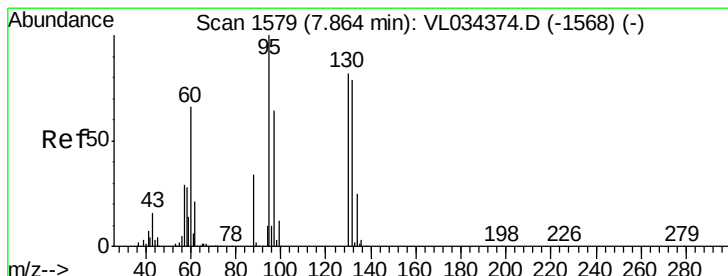
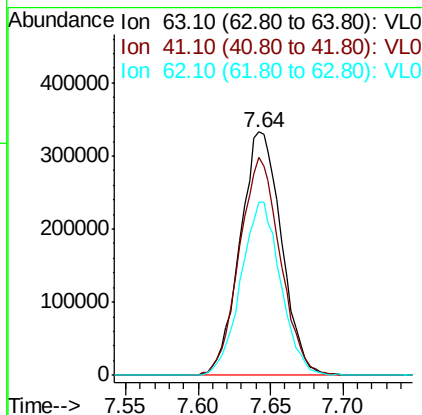
#39
 1,2-Dichloropropane
 Concen: 9.513 ppbv
 RT: 7.64 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Tot Ion:	63	Resp:	661236
Ion	Ratio	Lower	Upper
63	100		
41	89.5	63.1	94.7
62	71.2	52.3	78.5

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

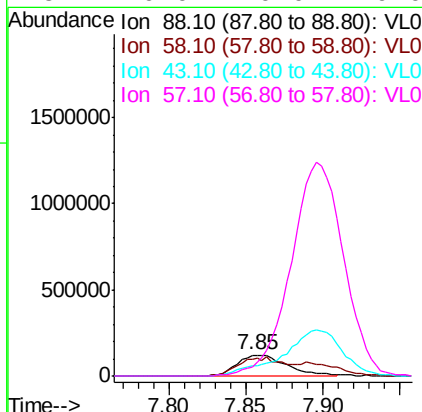
Manual Integrations
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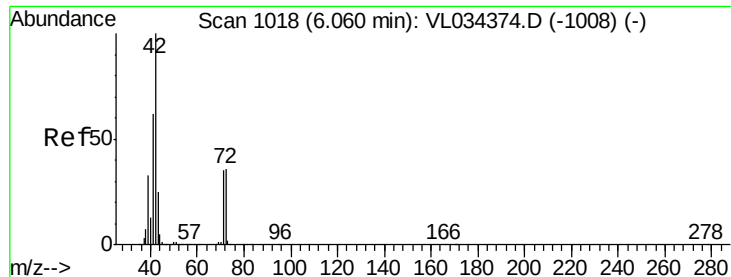
apatel
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#40
 1,4-Dioxane
 Concen: 9.061 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Tgt Ion:	88	Resp:	275149
Ion	Ratio	Lower	Upper
88	100		
58	131.8	109.5	164.3
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 8.713 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

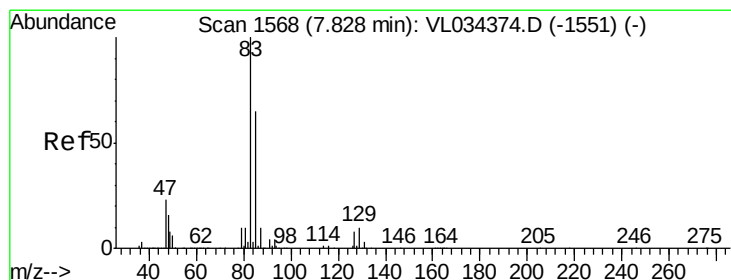
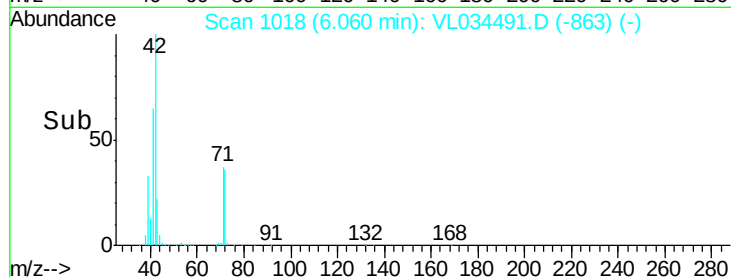
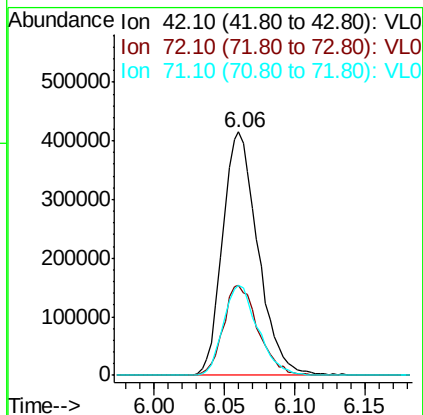
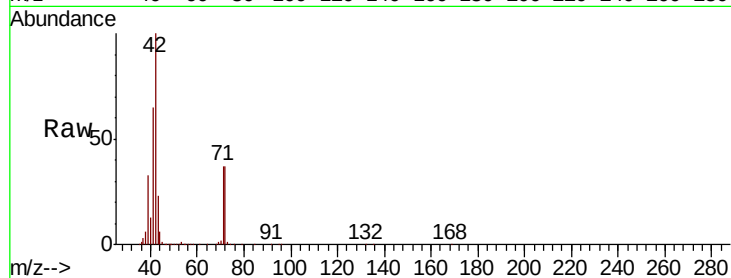
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	726026
Ion Ratio		Lower	Upper
42	100		
72	36.5	30.2	45.4
71	36.3	29.4	44.2

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.298 ppbv

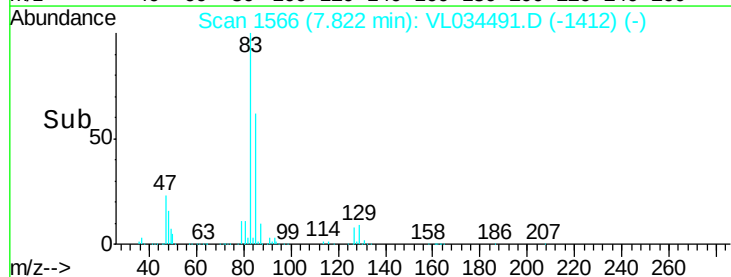
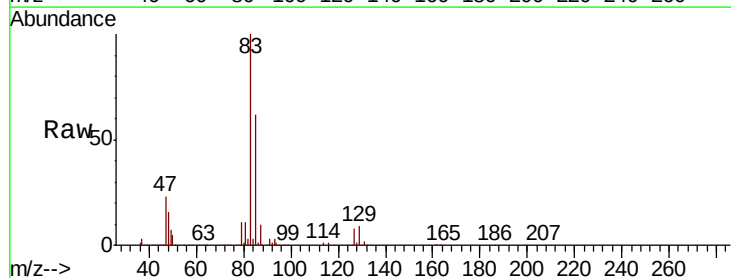
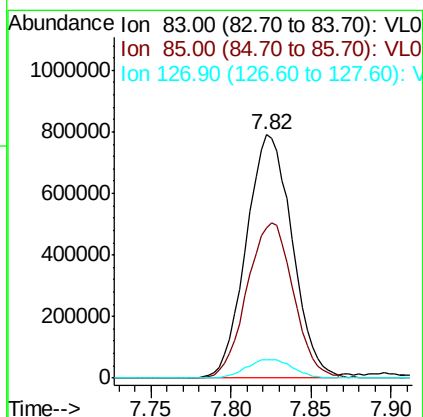
RT: 7.82 min Scan# 1566

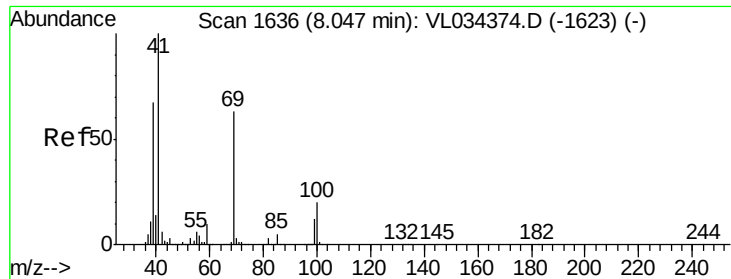
Delta R.T. -0.01 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Tgt Ion:	83	Resp:	1558652
Ion Ratio		Lower	Upper
83	100		
85	61.6	52.3	78.5
127	7.5	6.1	9.1





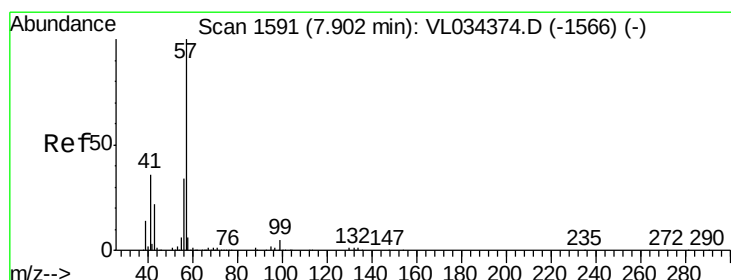
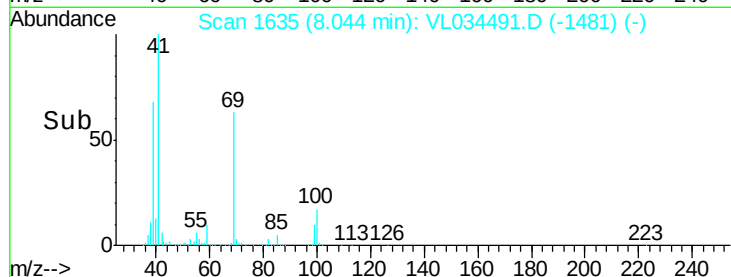
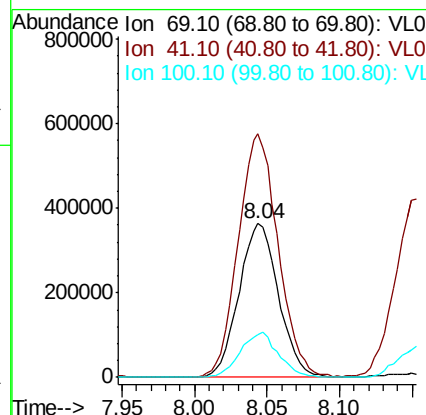
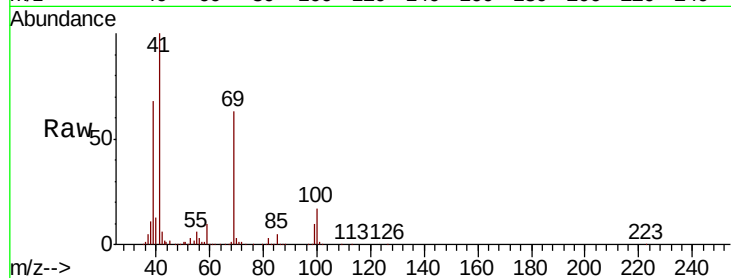
#43
Methyl Methacrylate
Concen: 9.190 ppbv
RT: 8.04 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	160.4	127.4	191.2
100	28.3	24.2	36.4

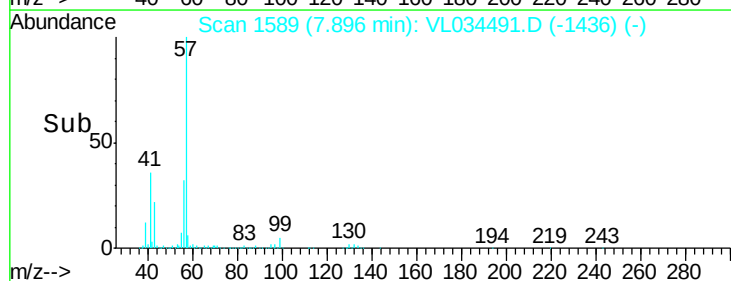
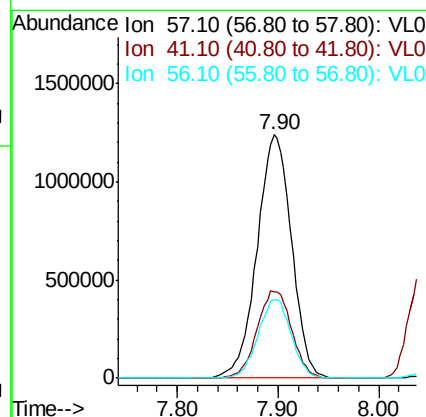
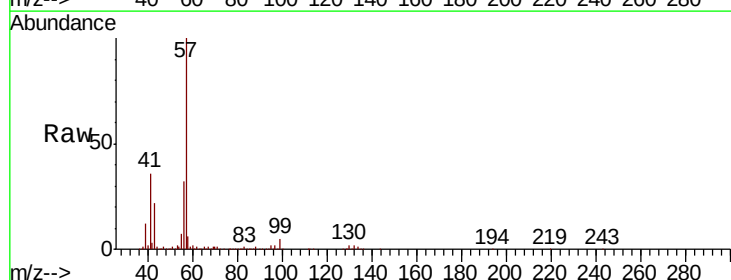
Manual Integrations
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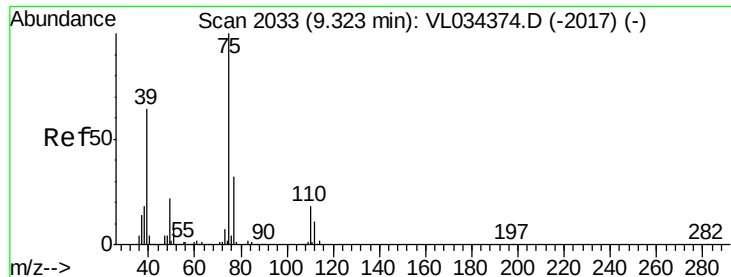
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#44
2,2,4-Trimethylpentane
Concen: 8.909 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.0	28.6	42.8
56	31.0	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 9.333 ppbv

RT: 9.32 min Scan# 2032

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 895690

Ion Ratio Lower Upper

75 100

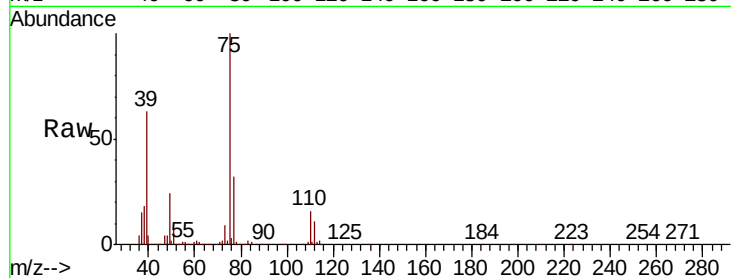
77 32.1 25.4 38.2

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.32

500000

400000

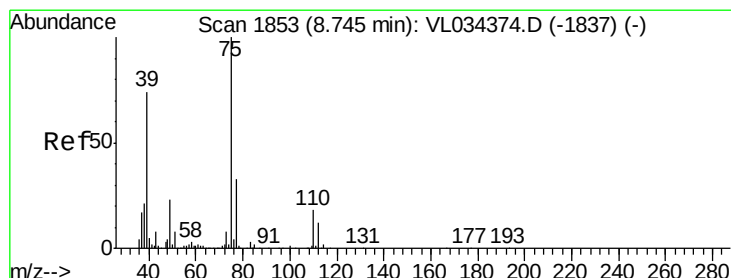
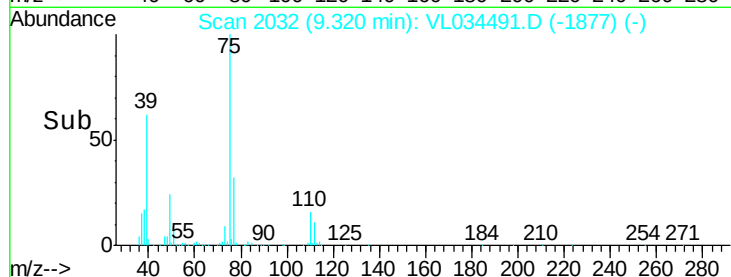
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.330 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

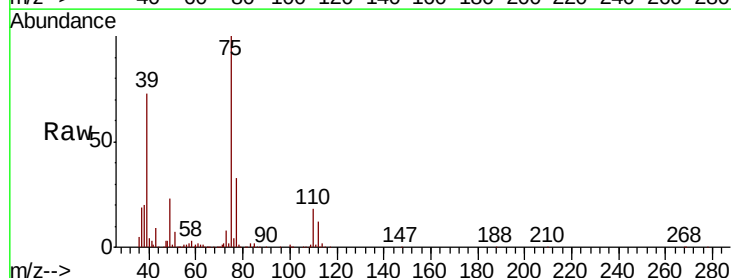
Tgt Ion: 75 Resp: 1005837

Ion Ratio Lower Upper

75 100

39 73.4 59.0 88.6

77 32.9 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

8.74

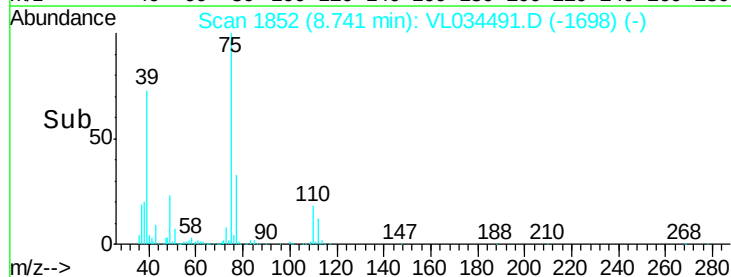
600000

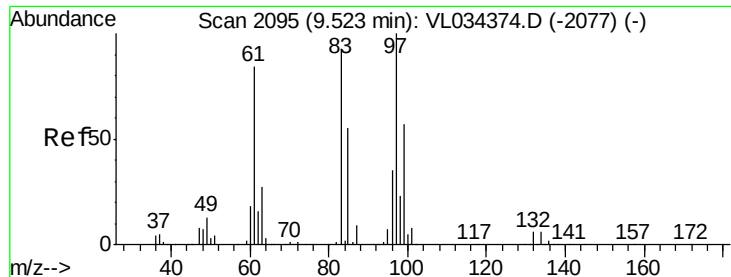
400000

200000

0

Time-->





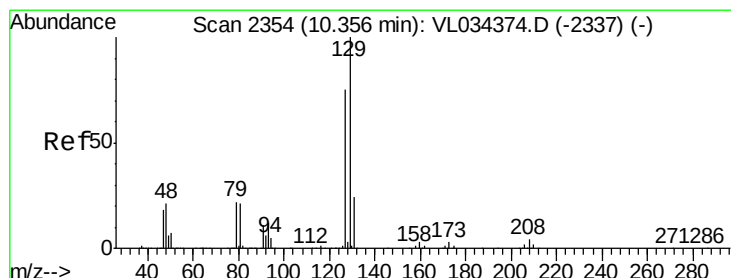
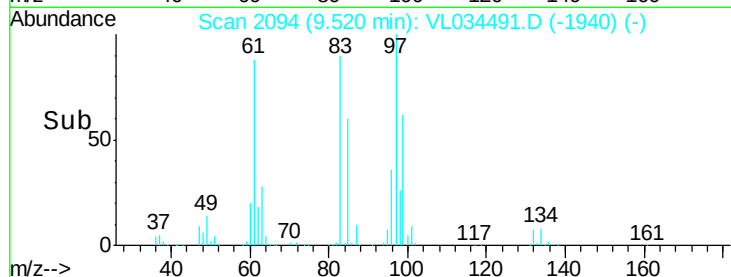
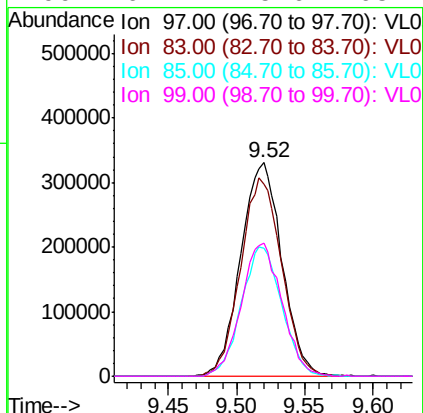
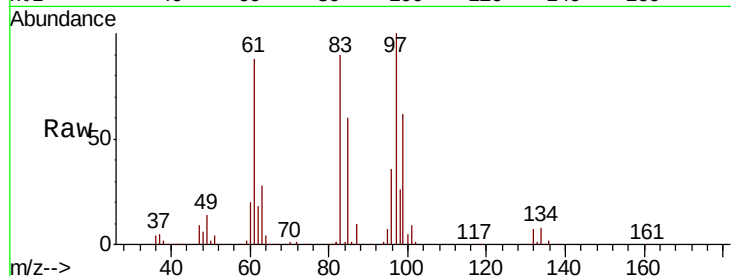
#47
 1,1,2-Trichloroethane
 Concen: 8.938 ppbv
 RT: 9.52 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.1	74.6	112.0	
85	59.8	43.8	65.8	
99	62.4	45.6	68.4	

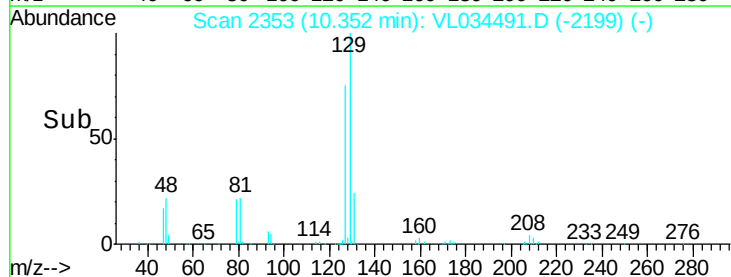
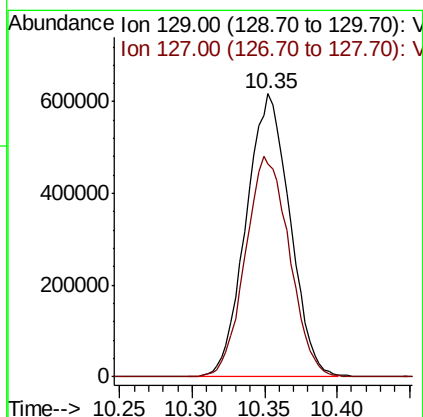
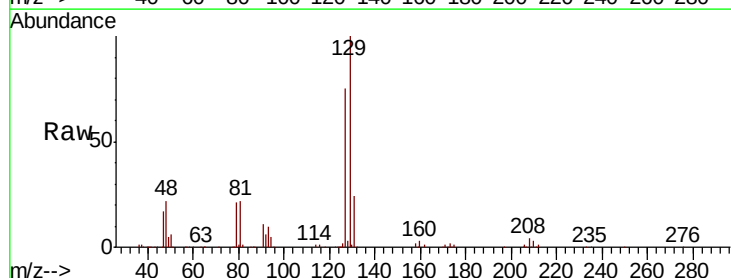
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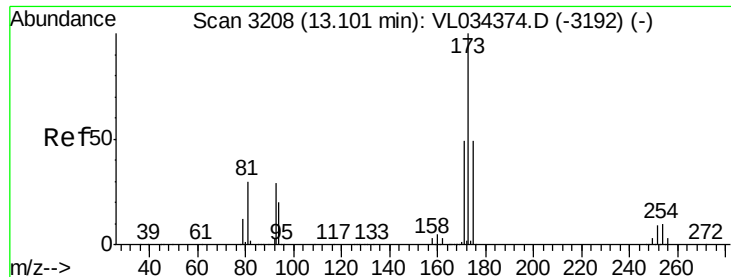
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#48
 Dibromochloromethane
 Concen: 9.804 ppbv
 RT: 10.35 min Scan# 2353
 Delta R.T. -0.00 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.3	39.1	117.5	





#49

Bromoform

Concen: 9.865 ppbv

RT: 13.10 min Scan# 3208

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1169102

Ion Ratio Lower Upper

173 100

175 50.1 39.3 58.9

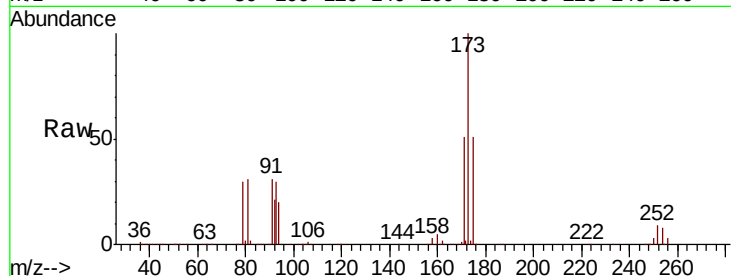
171 52.4 42.4 63.6

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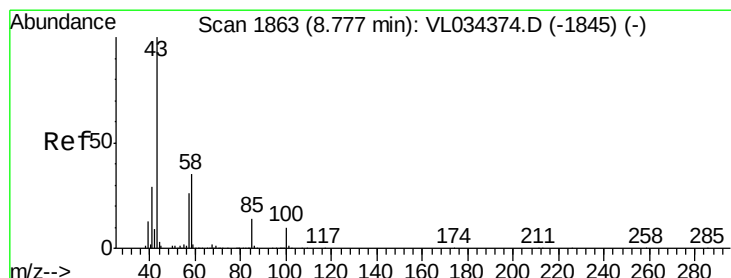
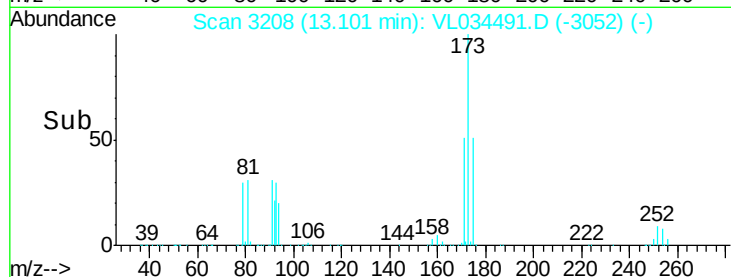
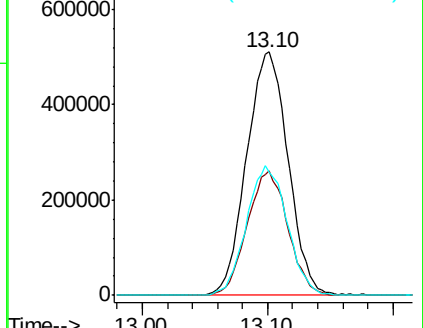
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.154 ppbv

RT: 8.77 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VL034491.D

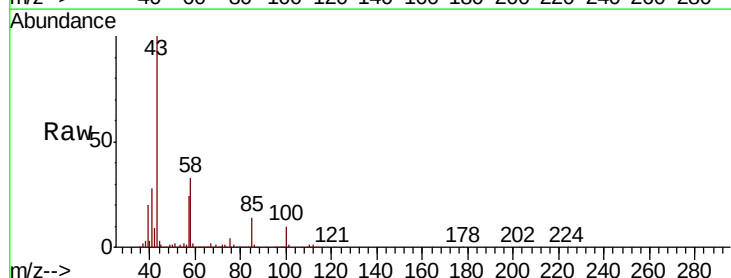
Acq: 10 Dec 2019 11:04

Tgt Ion: 43 Resp: 1967774

Ion Ratio Lower Upper

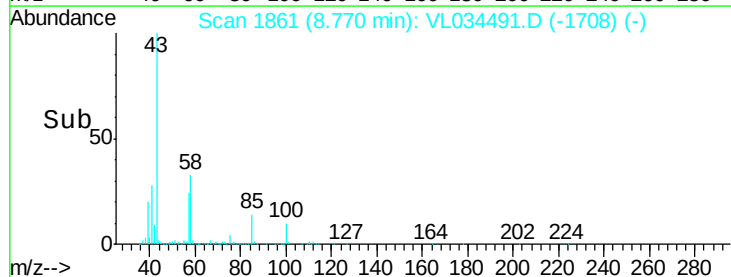
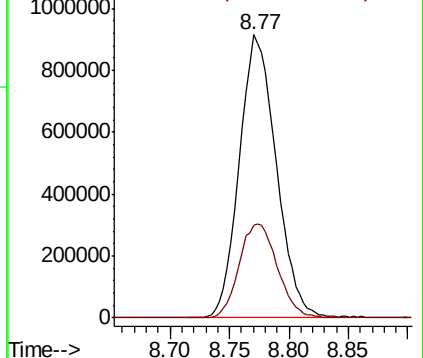
43 100

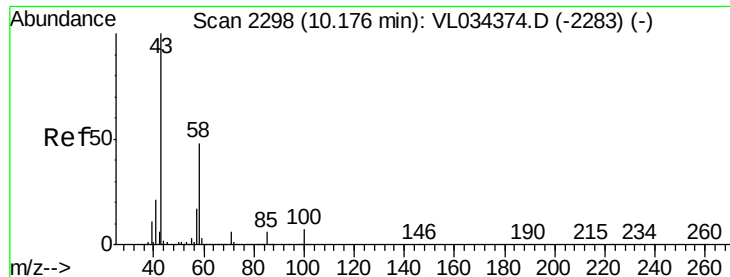
58 34.4 27.9 41.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.147 ppbv

RT: 10.17 min Scan# 2297

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1646961

Ion Ratio Lower Upper

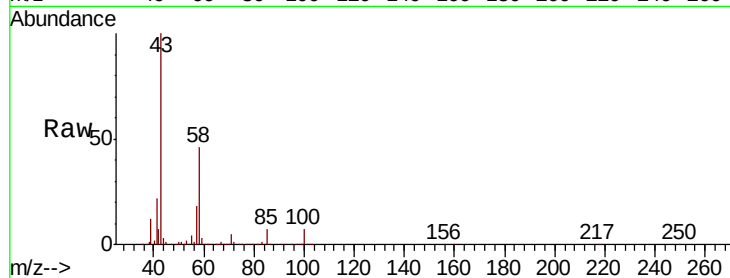
43 100

58 45.1 38.2 57.4

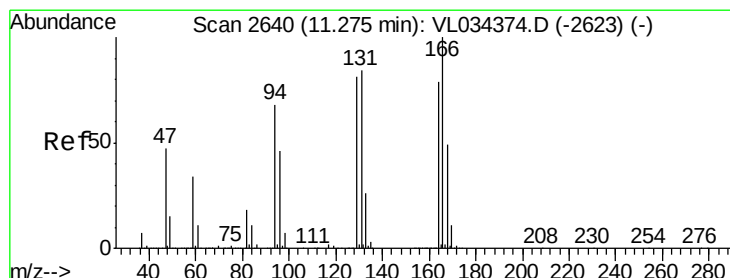
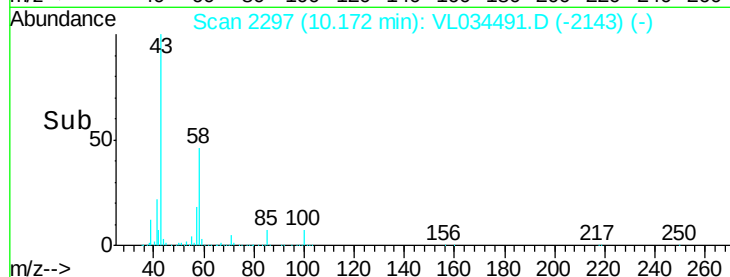
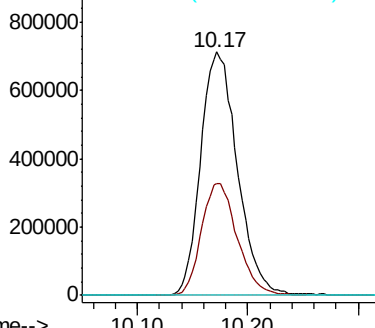
98 0.2 0.2 0.2

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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: 7.762 ppbv

RT: 11.28 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Tgt Ion: 164 Resp: 605949

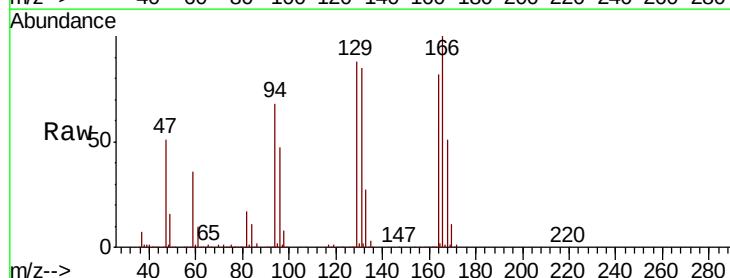
Ion Ratio Lower Upper

164 100

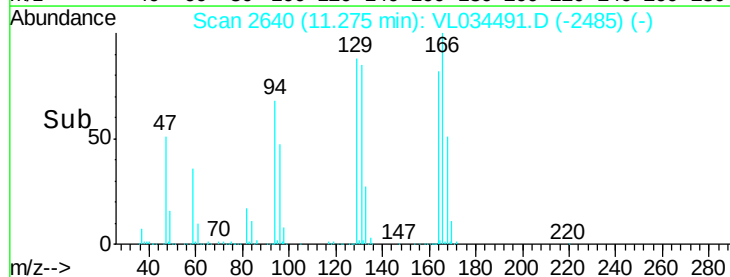
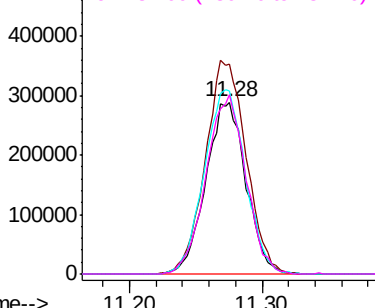
166 122.1 101.7 152.5

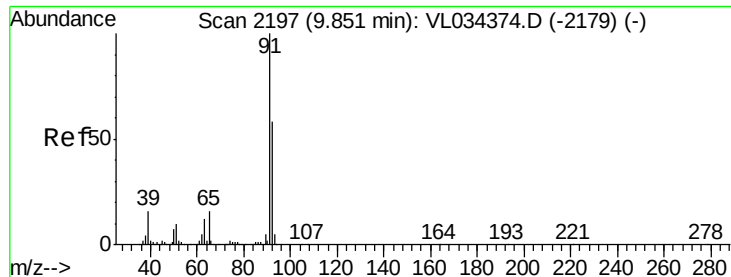
129 106.8 82.6 123.8

131 104.1 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: 9.033 ppbv

RT: 9.85 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 1851357

Ion Ratio Lower Upper

91 100

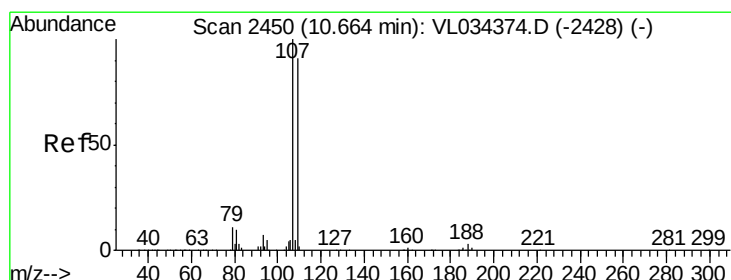
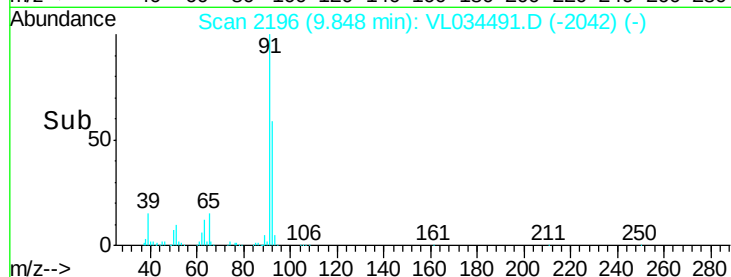
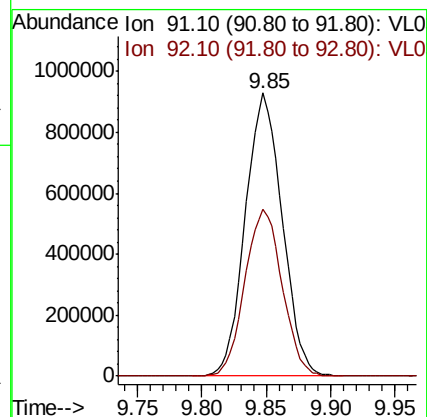
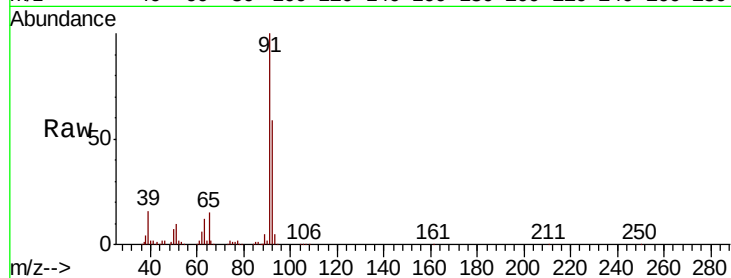
92 59.5 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 9.274 ppbv

RT: 10.66 min Scan# 2449

Delta R.T. -0.00 min

Lab File: VL034491.D

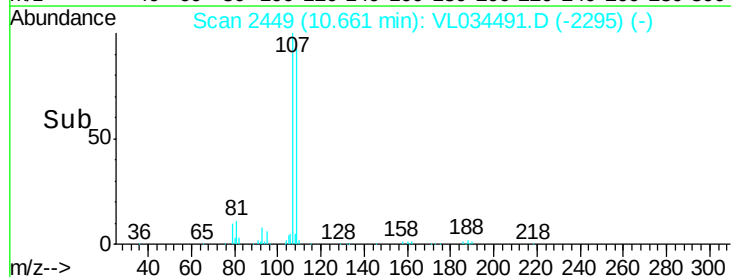
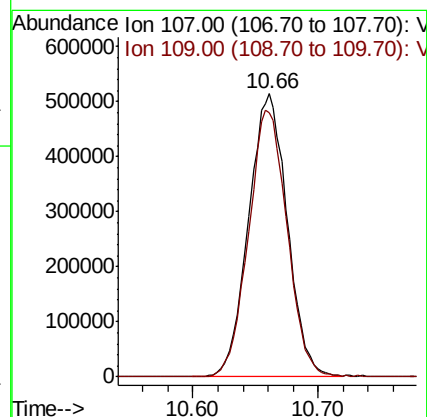
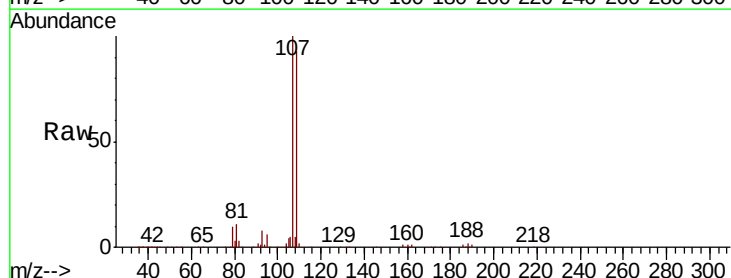
Acq: 10 Dec 2019 11:04

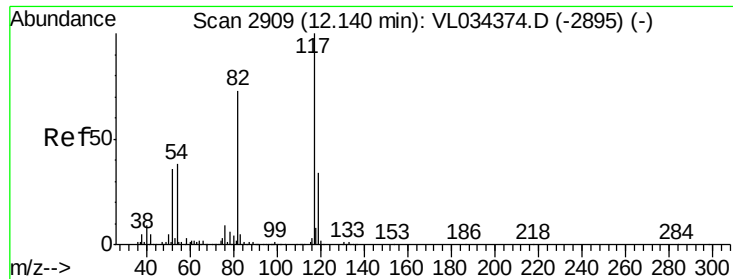
Tgt Ion: 107 Resp: 1099368

Ion Ratio Lower Upper

107 100

109 93.3 73.0 109.4





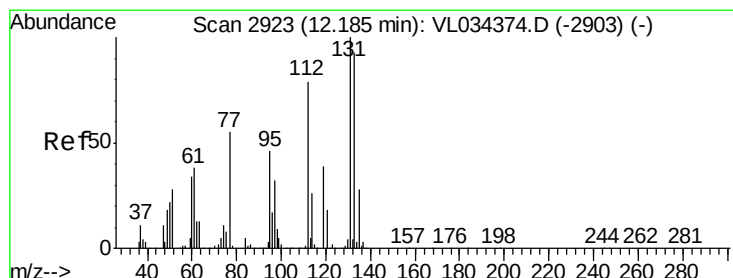
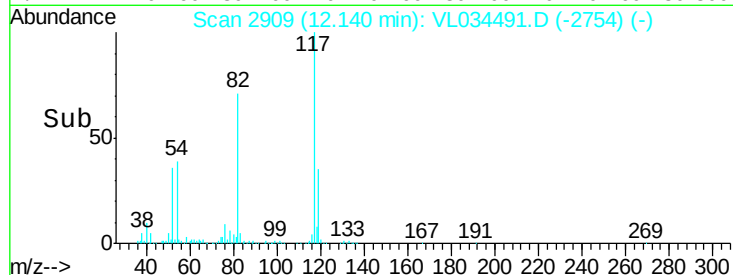
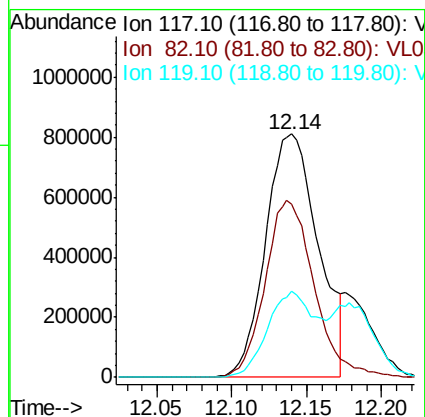
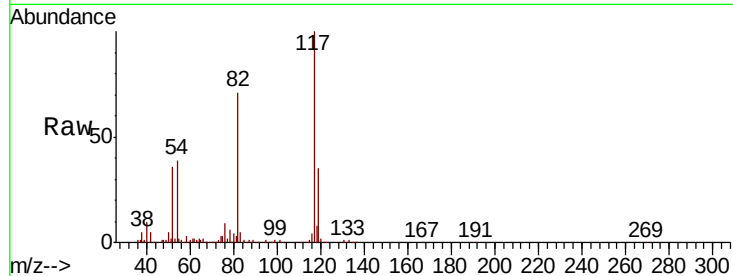
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.2	57.5	86.3
119	34.7	25.4	38.2

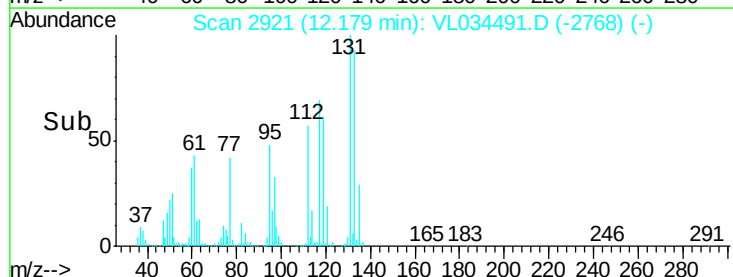
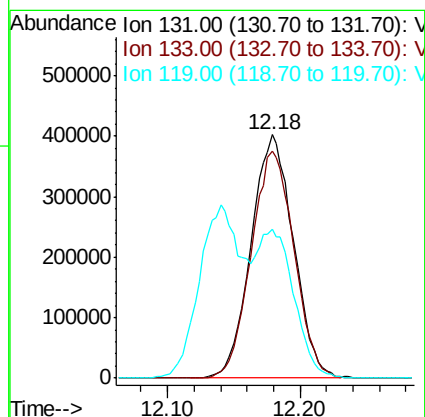
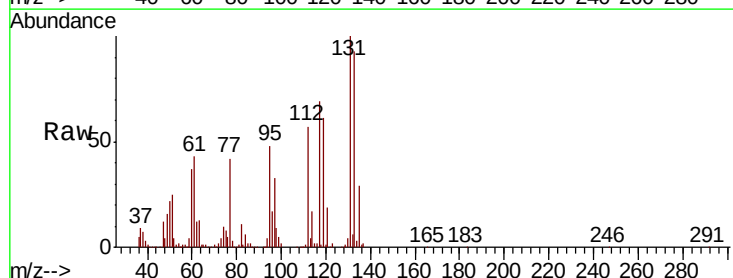
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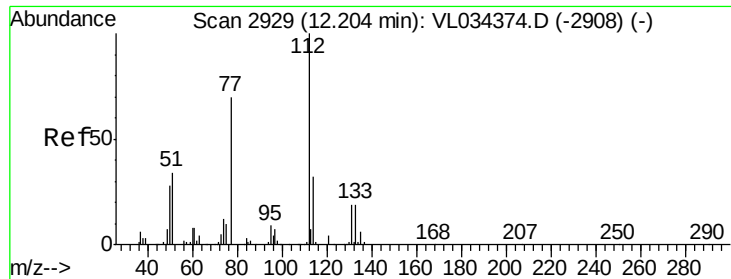
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.217 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	76.2	114.2
119	58.2	44.6	67.0





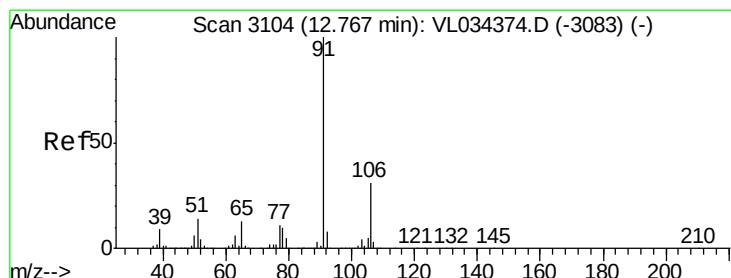
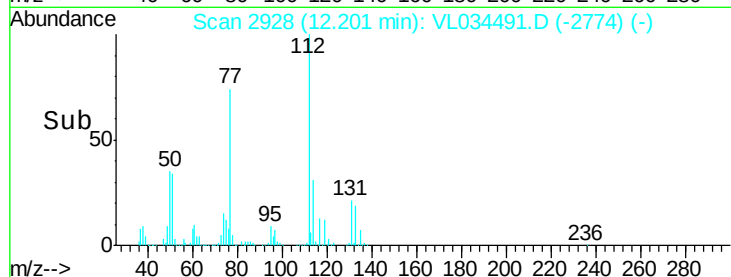
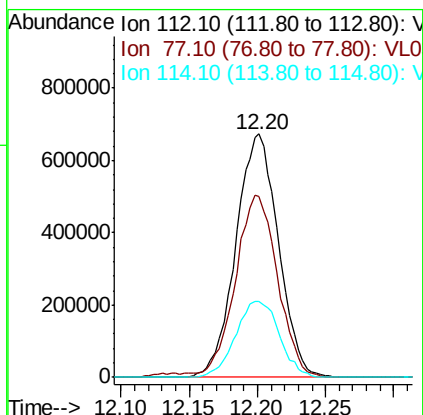
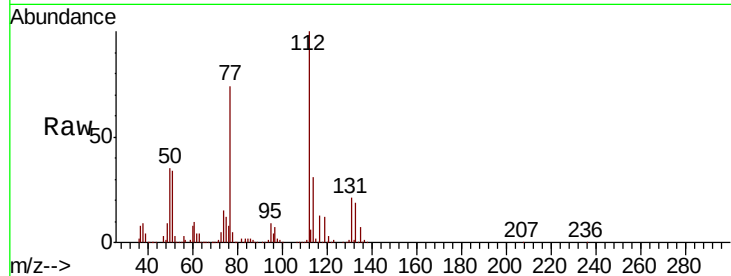
#57
Chlorobenzene
Concen: 8.089 ppbv
RT: 12.20 min Scan# 2928
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	74.0	57.1	85.7
114	31.4	28.5	34.9

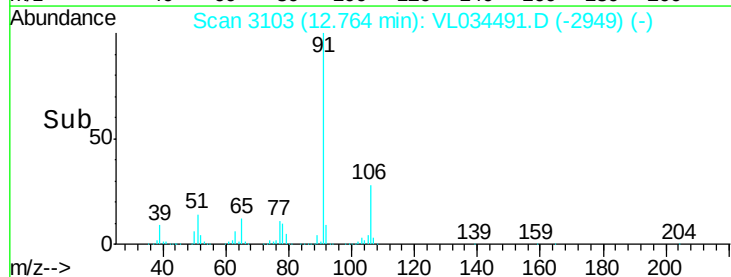
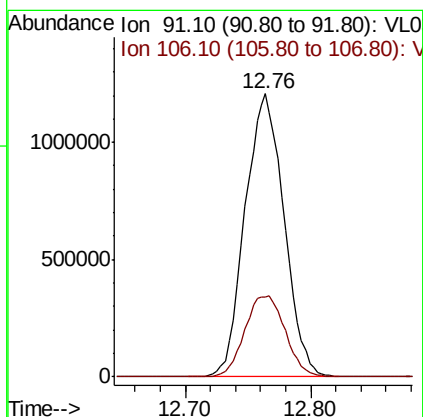
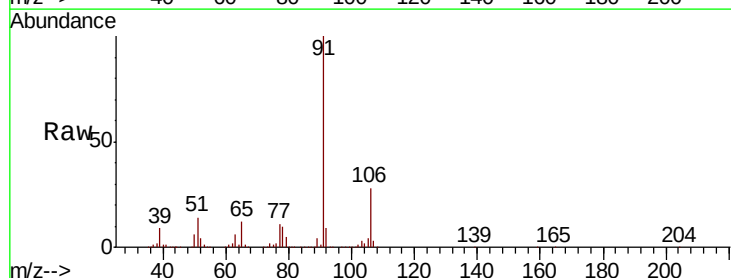
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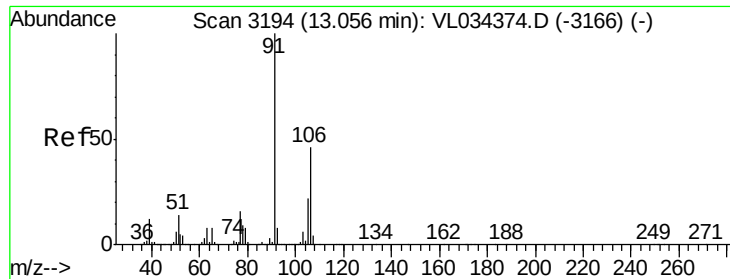
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#58
Ethyl Benzene
Concen: 8.462 ppbv
RT: 12.76 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.0	24.8	37.2





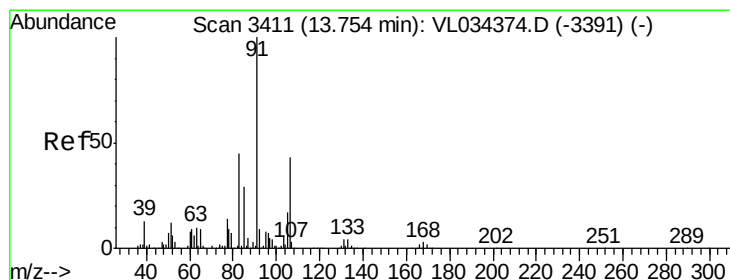
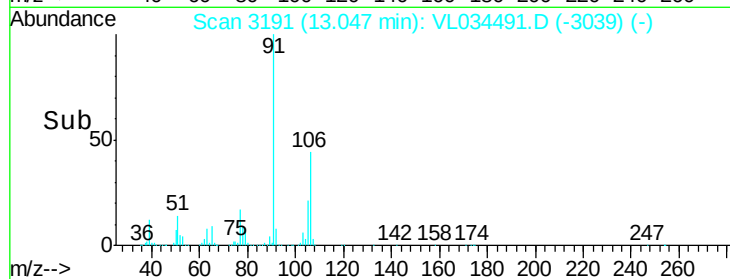
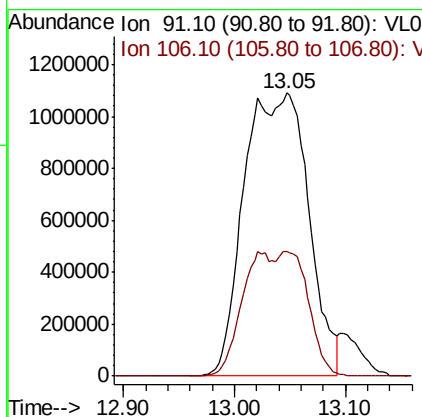
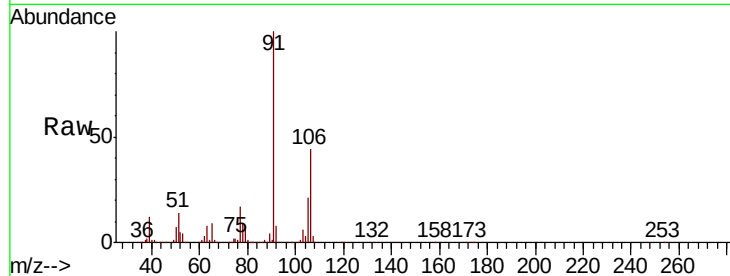
#59
m/p-Xylene
Concen: 16.494 ppbv m
RT: 13.05 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4383541
Ion Ratio Lower Upper
91 100
106 43.5 34.6 51.8

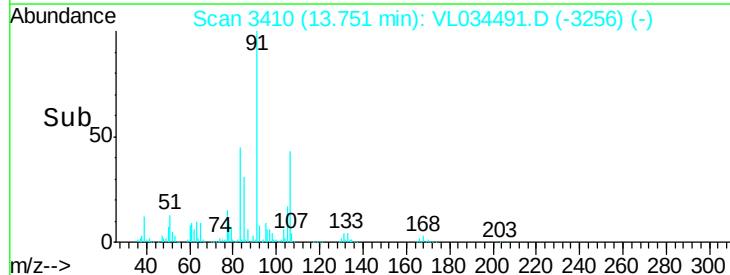
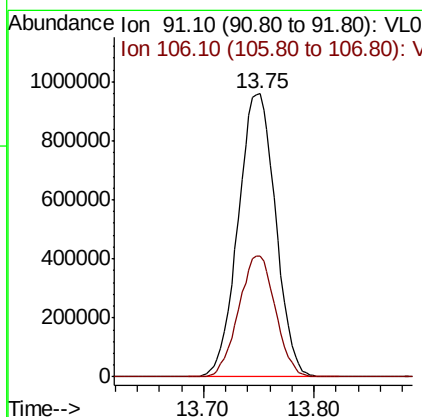
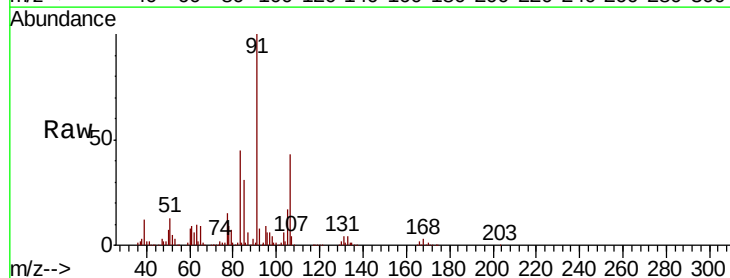
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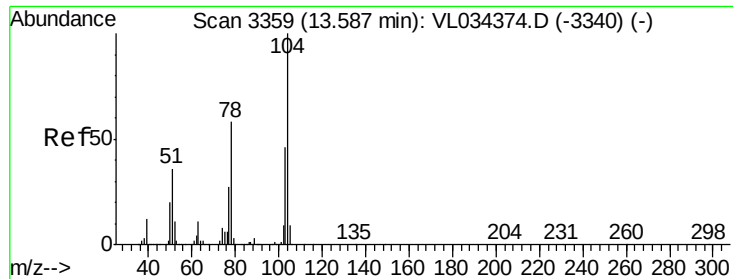
apatel
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#60
o-Xylene
Concen: 8.546 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 91 Resp: 2245737
Ion Ratio Lower Upper
91 100
106 42.0 21.3 64.0





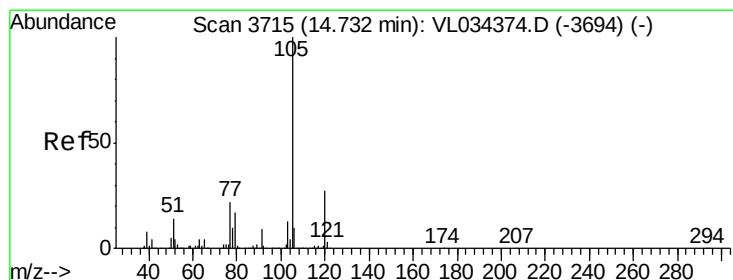
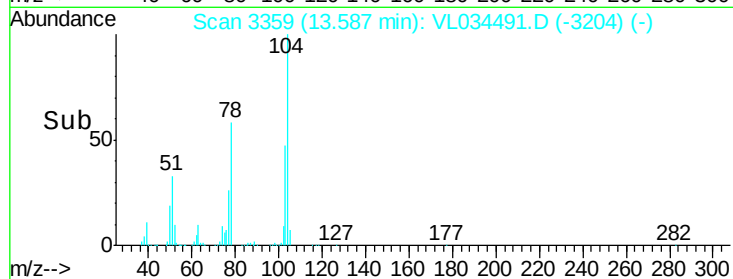
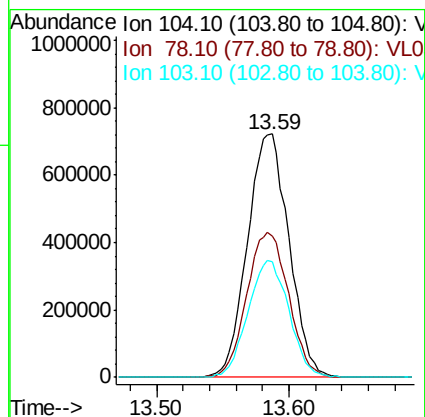
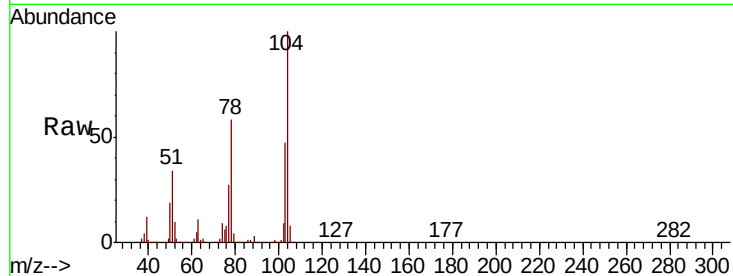
#61
Stvrene
Concen: 8.278 ppbv
RT: 13.59 min Scan# 3359
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.4	47.6	71.4
103	47.5	38.6	57.8

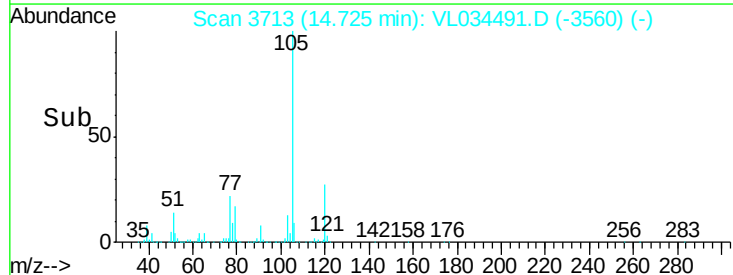
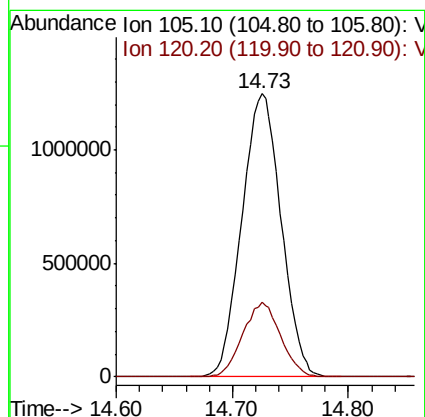
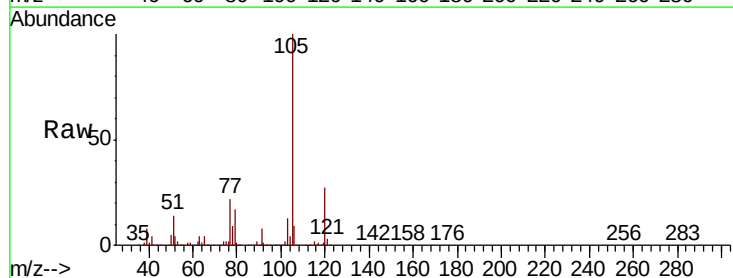
Manual Integrations
APPROVED

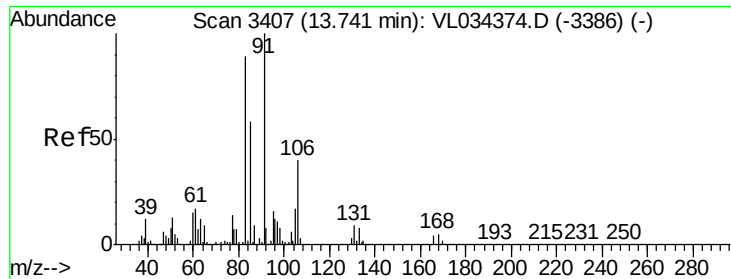
apatel
12/11/2019 2:13:29 PM



#62
Isopropylbenzene
Concen: 8.444 ppbv
RT: 14.73 min Scan# 3713
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.2	30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 8.261 ppbv

RT: 13.74 min Scan# 3406

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1631733

Ion Ratio Lower Upper

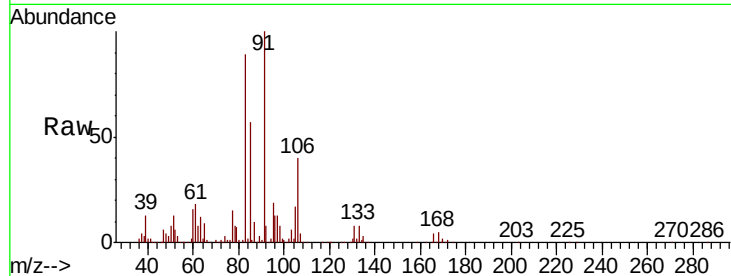
83 100

131 9.6 4.9 14.7

85 65.1 32.6 97.8

Manual Integrations
APPROVED

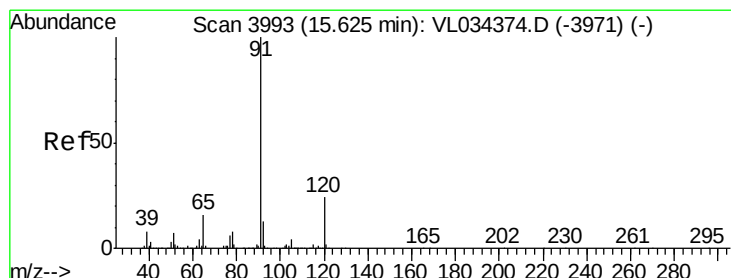
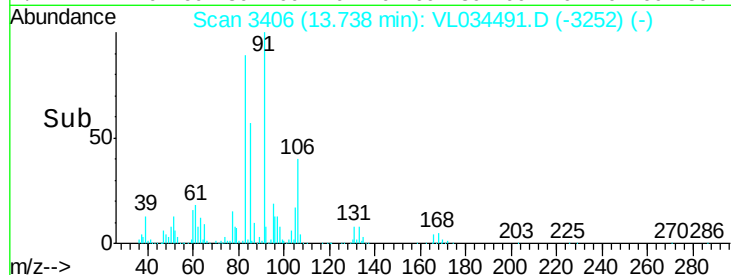
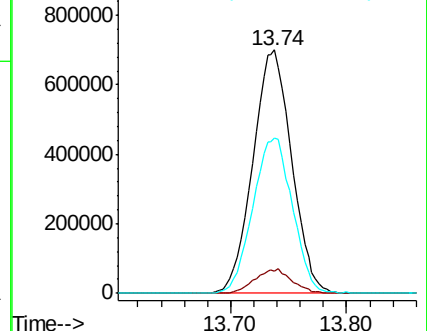
apatel
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.448 ppbv

RT: 15.62 min Scan# 3992

Delta R.T. -0.00 min

Lab File: VL034491.D

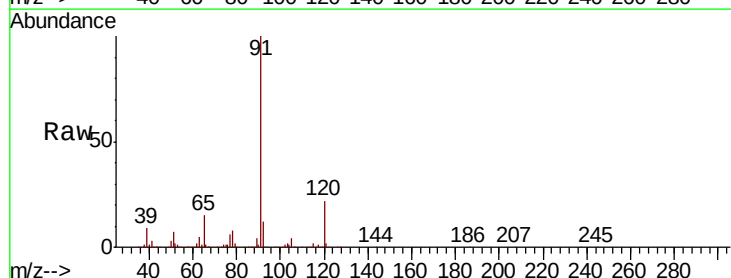
Acq: 10 Dec 2019 11:04

Tgt Ion: 120 Resp: 762431

Ion Ratio Lower Upper

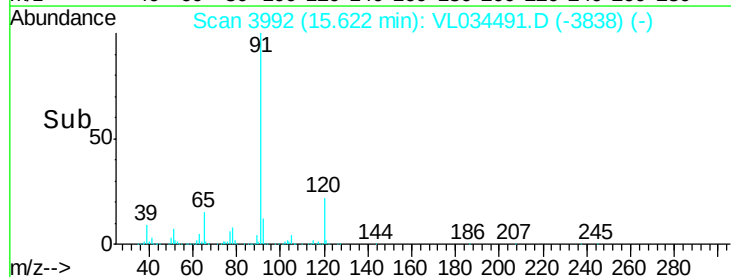
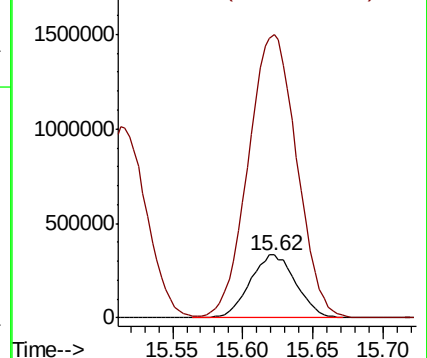
120 100

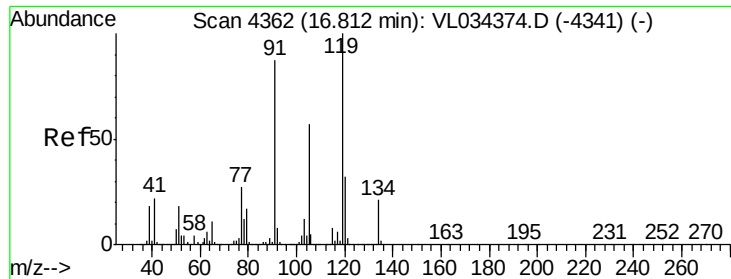
91 473.2 370.9 556.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





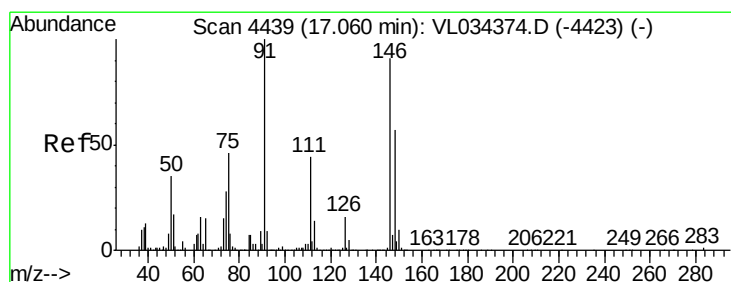
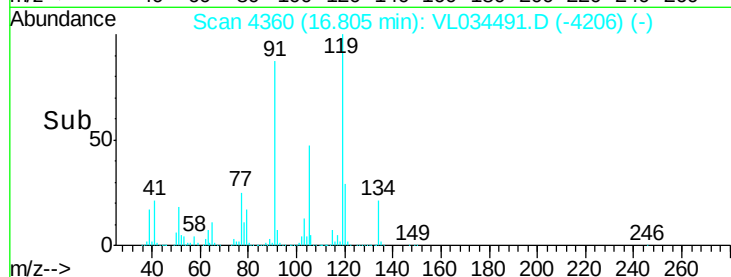
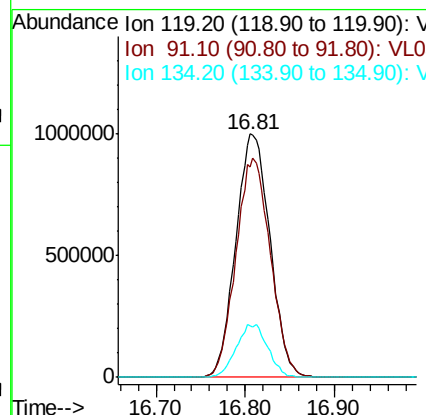
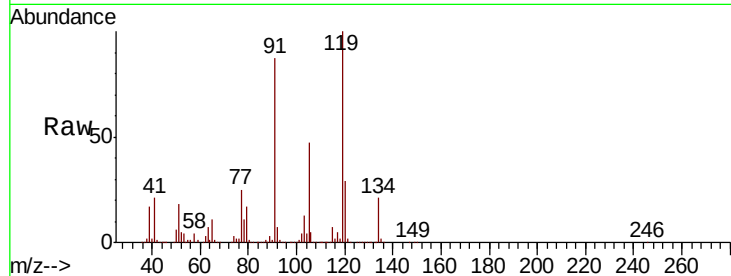
#65
 tert-Butylbenzene
 Concen: 8.477 ppbv
 RT: 16.81 min Scan# 4360
 Delta R.T. -0.01 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	91.0	71.6	107.4
134	20.0	15.9	23.9

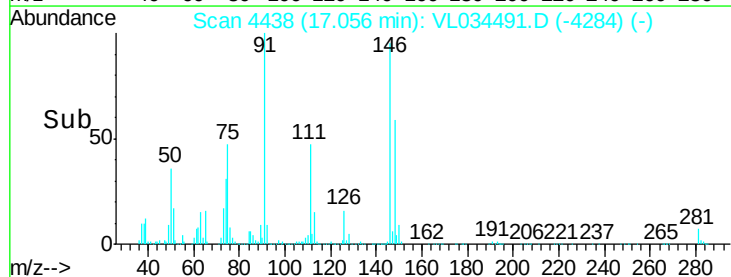
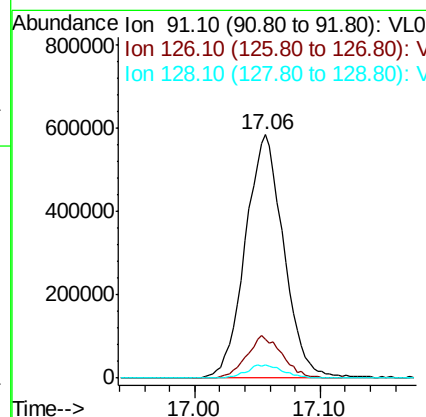
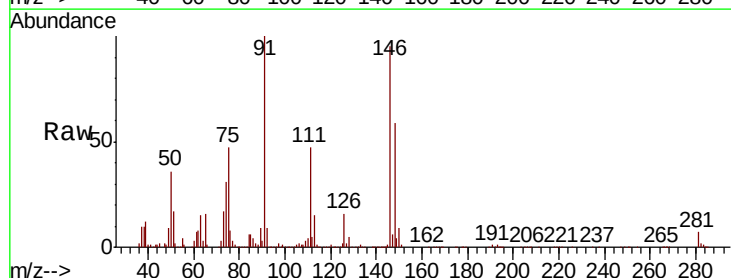
Manual Integrations
 APPROVED

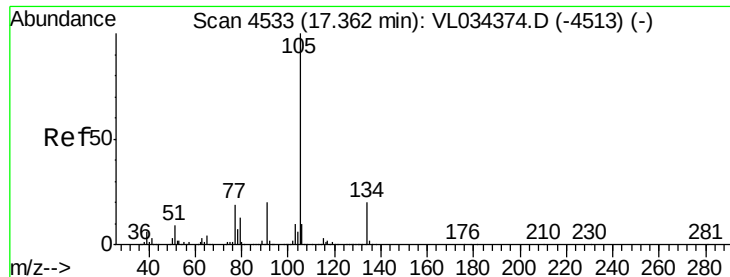
apatel
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#66
 Benzyl Chloride
 Concen: 10.326 ppbv
 RT: 17.06 min Scan# 4438
 Delta R.T. -0.00 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.5	12.9	19.3
128	5.1	4.3	6.5





#67

sec-Butylbenzene

Concen: 8.530 ppbv

RT: 17.36 min Scan# 4532

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 3725077

Ion Ratio Lower Upper

105 100

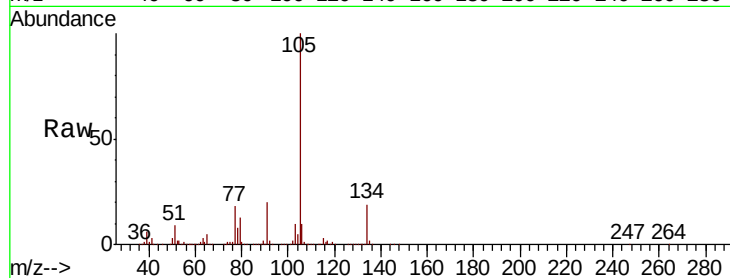
134 18.4 15.0 22.6

Manual Integrations

APPROVED

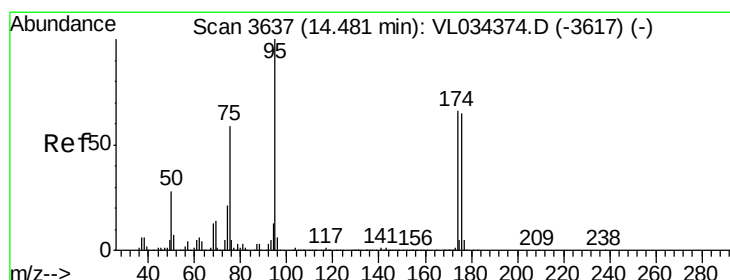
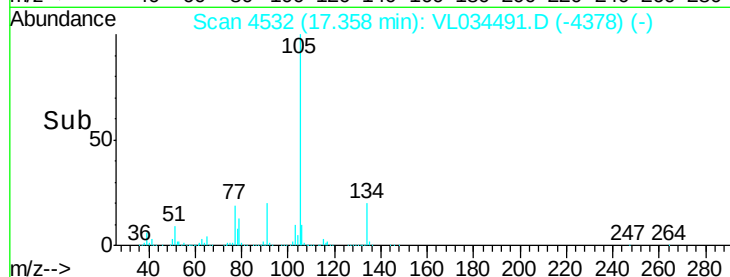
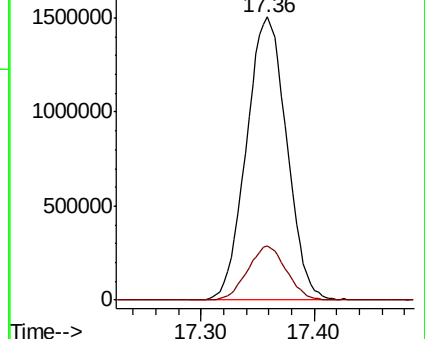
apatel

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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: 9.665 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. -0.01 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

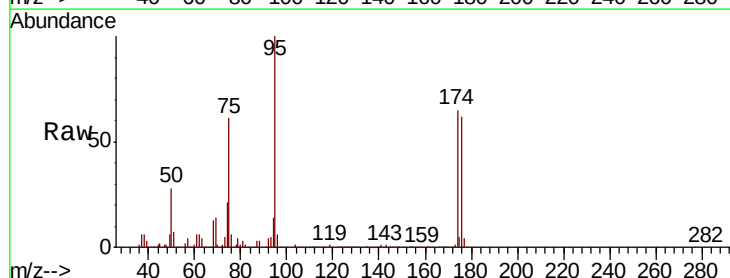
Tgt Ion: 95 Resp: 1610899

Ion Ratio Lower Upper

95 100

174 65.2 52.2 78.2

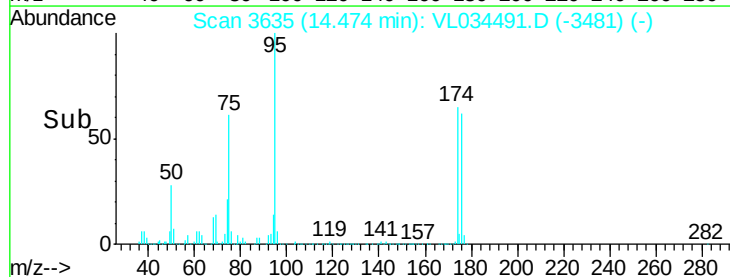
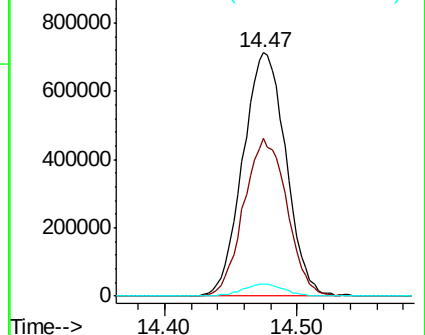
175 4.7 3.8 5.8

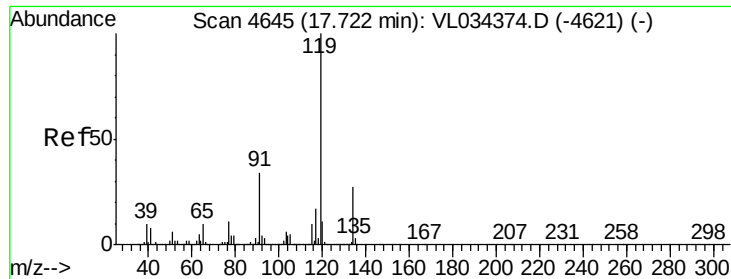


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





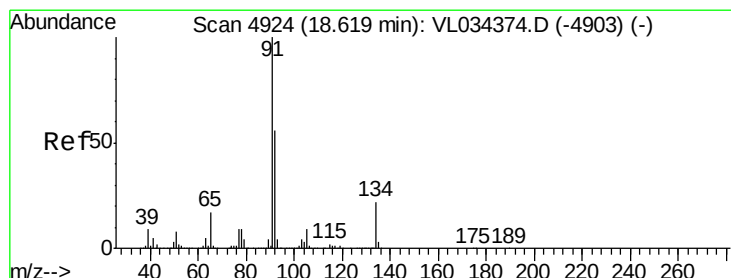
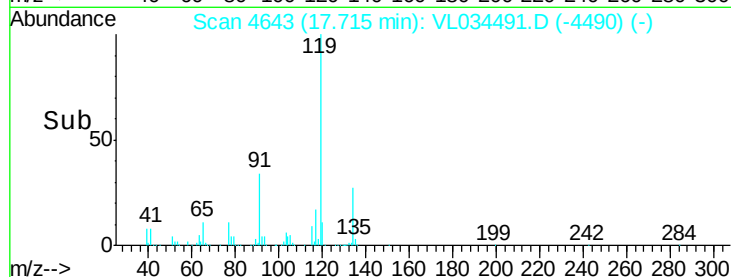
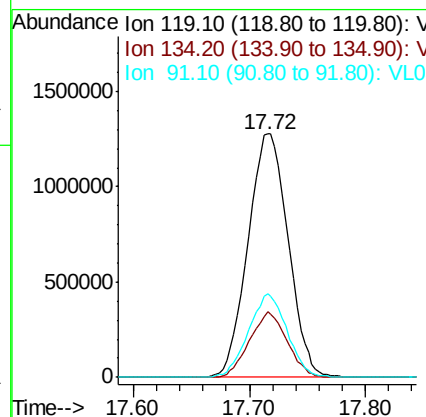
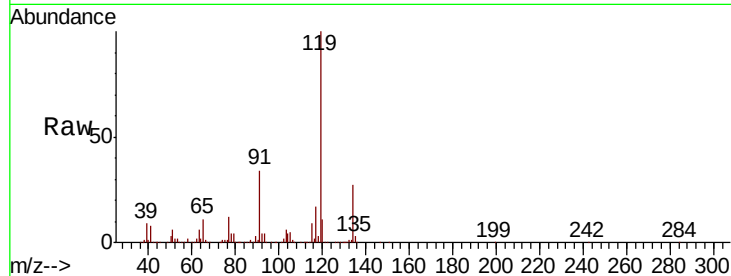
#69
 p-Isopropyltoluene
 Concen: 8.526 ppbv
 RT: 17.72 min Scan# 4643
 Delta R.T. -0.01 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	31.0
91	33.2	26.3	39.5

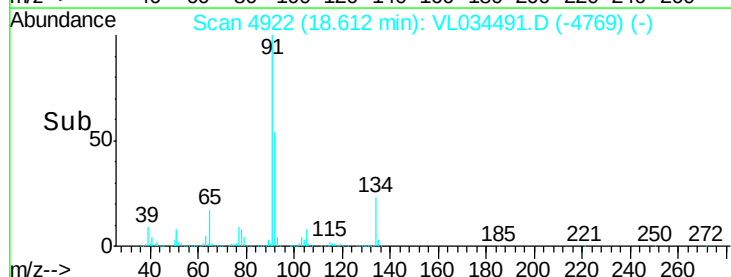
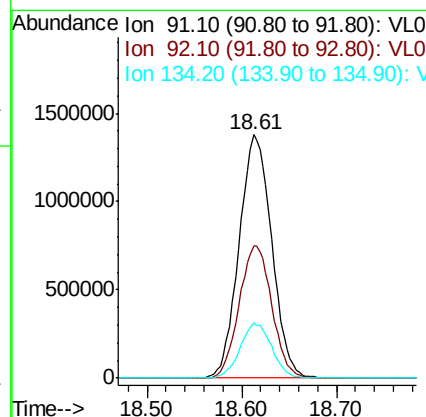
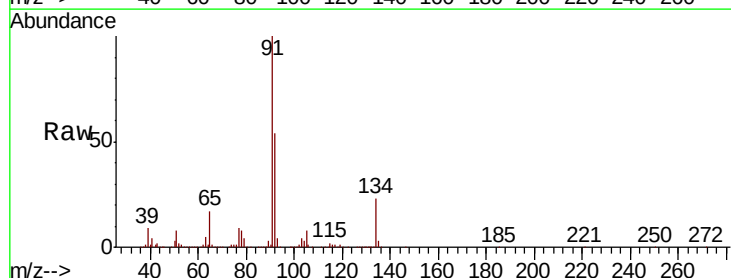
Manual Integrations
 APPROVED

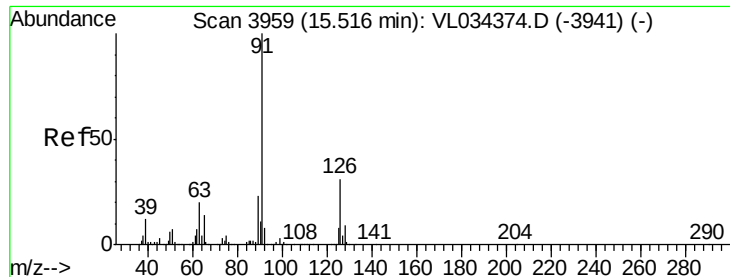
apatel
 12/11/2019 2:13:29 PM



#70
 n-Butylbenzene
 Concen: 8.446 ppbv
 RT: 18.61 min Scan# 4922
 Delta R.T. -0.01 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.6
134	21.8	17.9	26.9





#71

2-Chlorotoluene

Concen: 8.434 ppbv

RT: 15.51 min Scan# 3958

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2337011

Ion Ratio Lower Upper

91 100

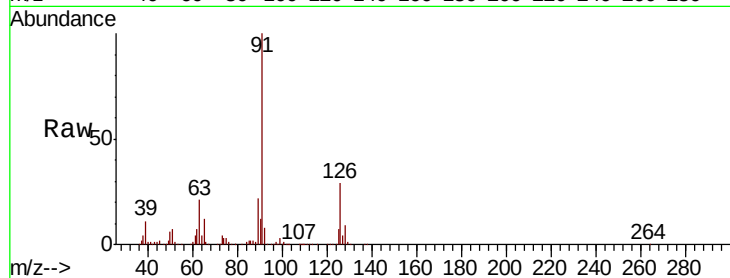
126 29.2 11.8 47.4

Manual Integrations

APPROVED

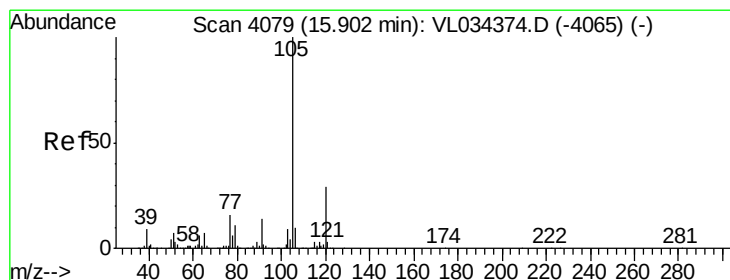
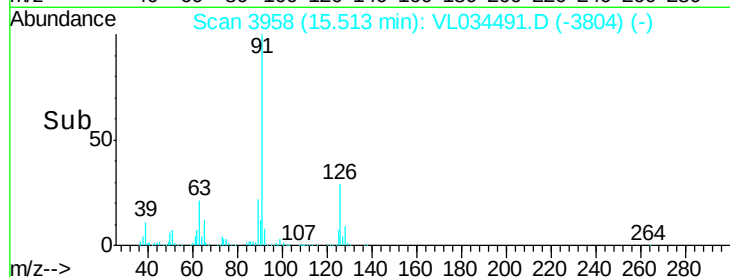
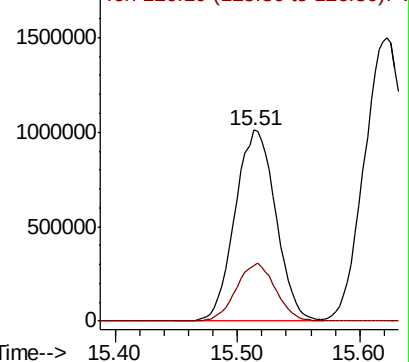
apatel

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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: 8.394 ppbv

RT: 15.90 min Scan# 4078

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Tgt Ion: 105 Resp: 2548717

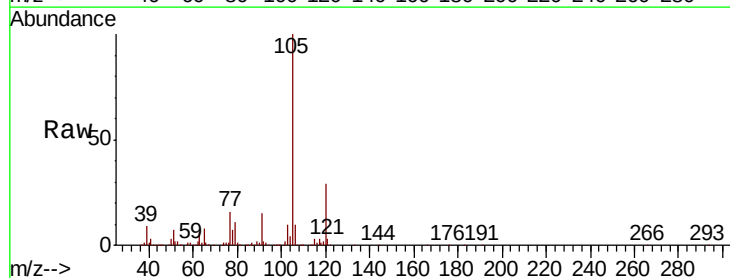
Ion Ratio Lower Upper

105 100

120 28.7 23.5 35.3

91 14.6 11.4 17.0

77 16.3 12.6 19.0

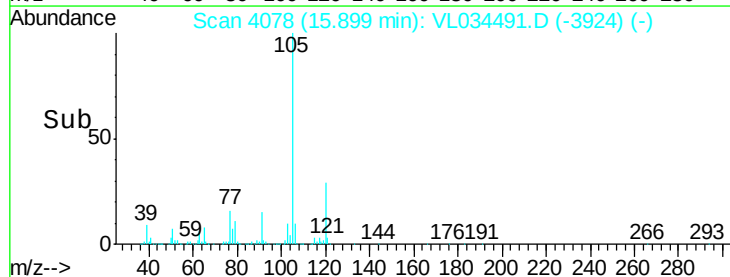
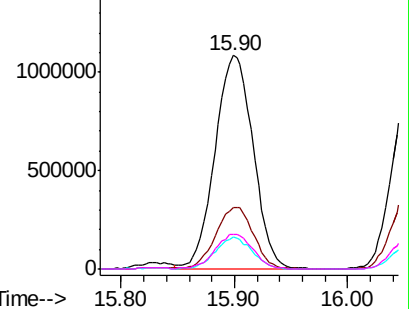


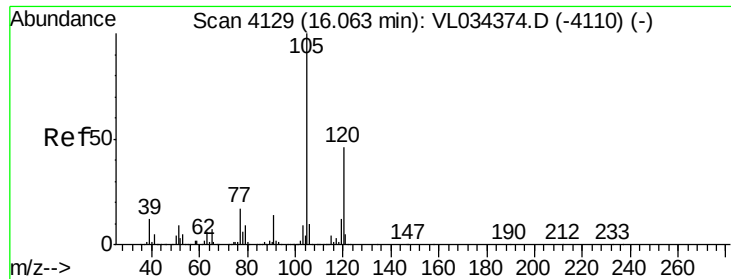
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.255 ppbv

RT: 16.06 min Scan# 4128

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2453488

Ion Ratio Lower Upper

105 100

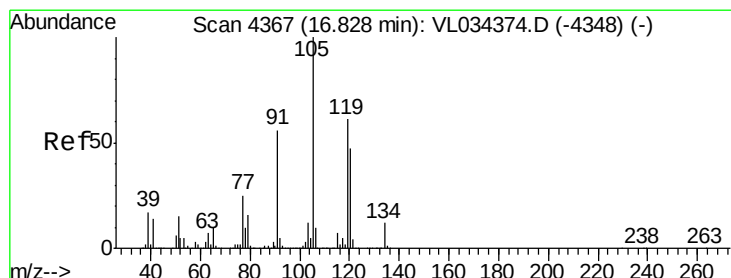
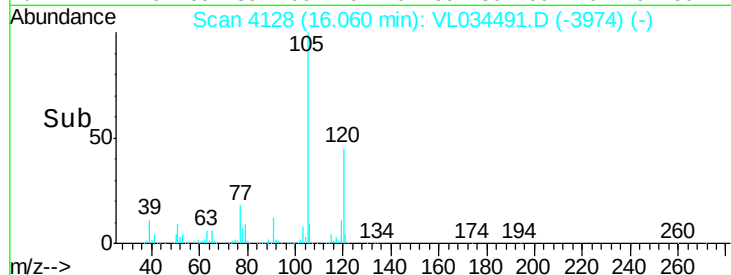
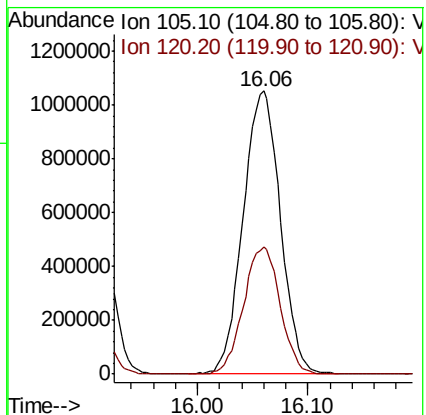
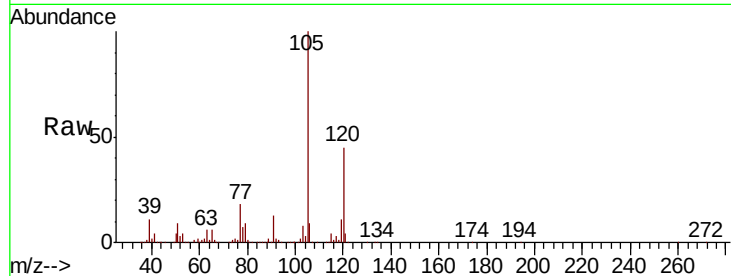
120 45.1 37.1 55.7

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 8.082 ppbv

RT: 16.83 min Scan# 4367

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Tgt Ion:105 Resp: 2551522

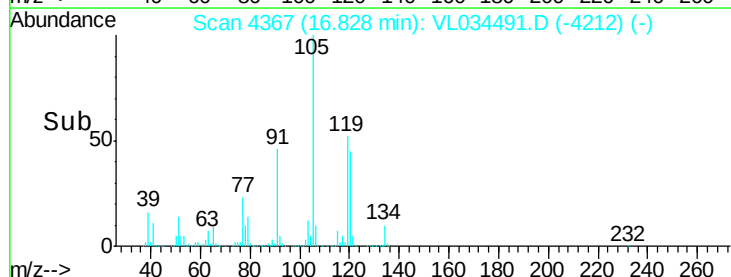
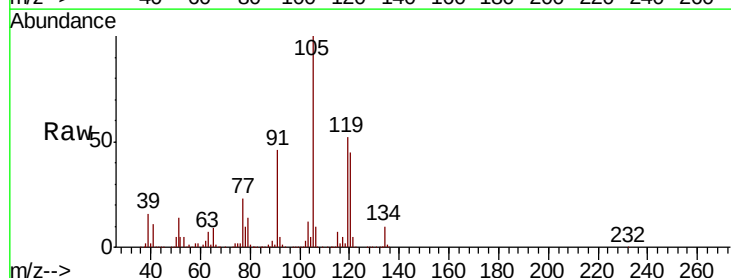
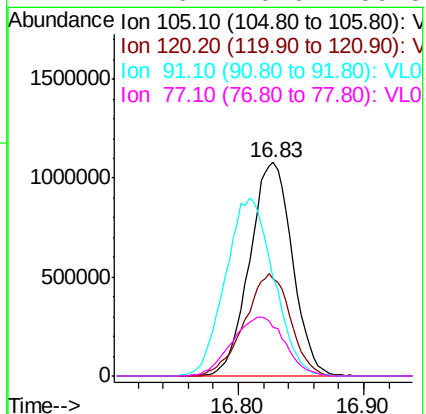
Ion Ratio Lower Upper

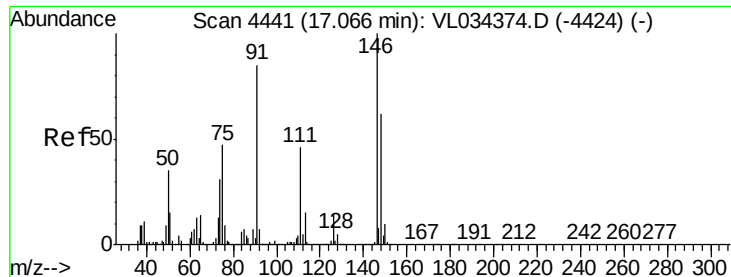
105 100

120 45.3 37.4 56.0

91 46.3 46.3 69.5#

77 22.6 20.6 30.8





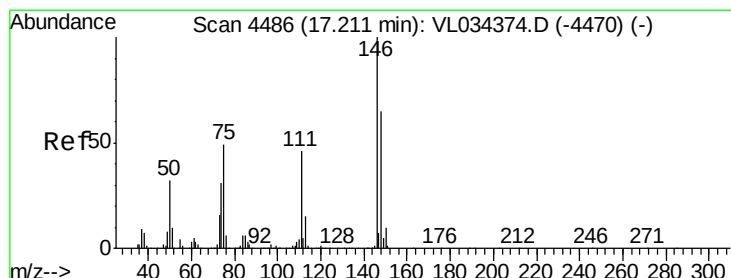
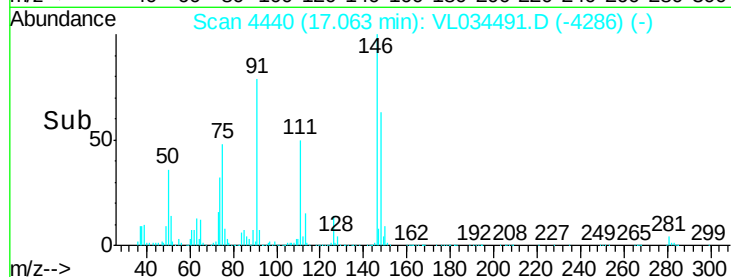
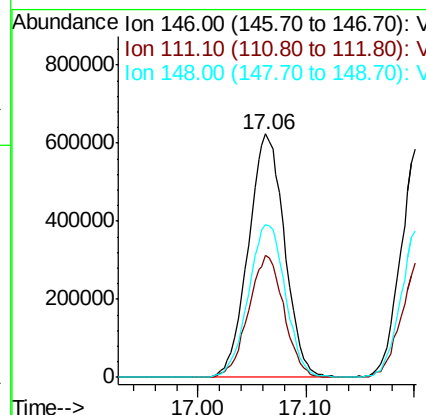
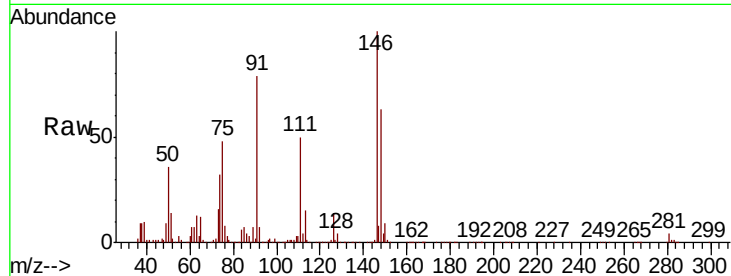
#75
 1,3-Dichlorobenzene
 Concen: 7.995 ppbv
 RT: 17.06 min Scan# 4440
 Delta R.T. -0.00 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1450821
 Ion Ratio Lower Upper
 146 100
 111 49.0 24.4 73.4
 148 64.2 32.4 97.0

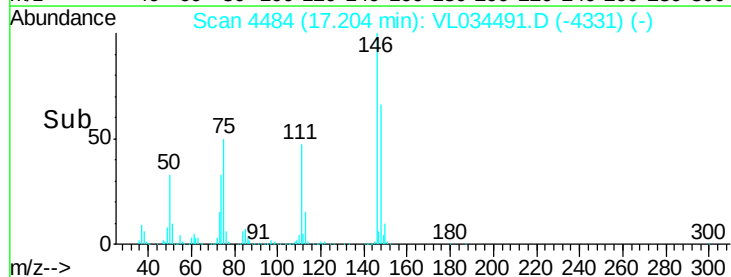
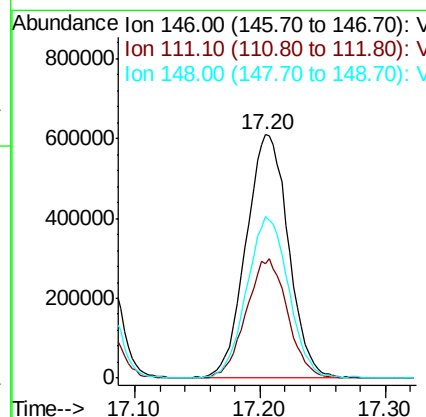
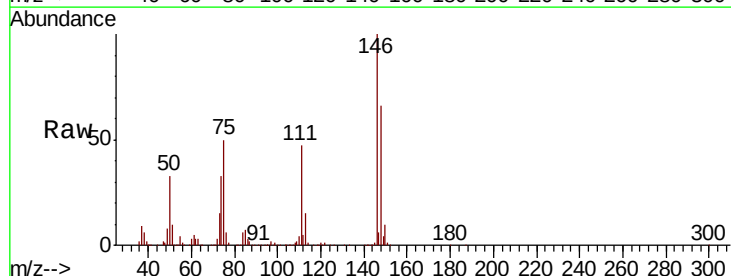
Manual Integrations
 APPROVED

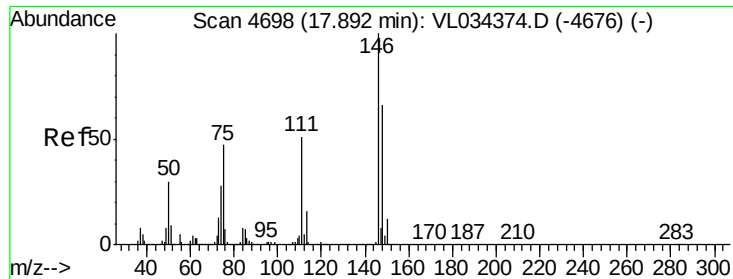
apatel
 12/11/2019 2:13:29 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.066 ppbv
 RT: 17.20 min Scan# 4484
 Delta R.T. -0.01 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Tgt Ion:146 Resp: 1421268
 Ion Ratio Lower Upper
 146 100
 111 48.4 24.1 72.3
 148 66.2 32.9 98.6





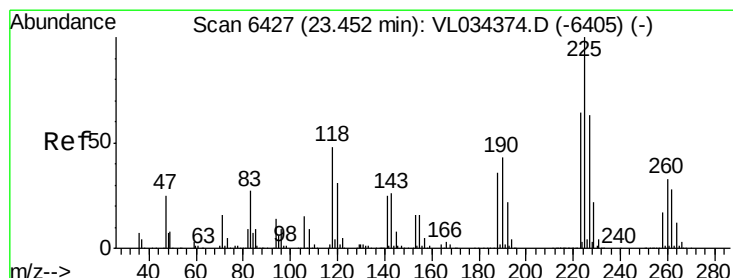
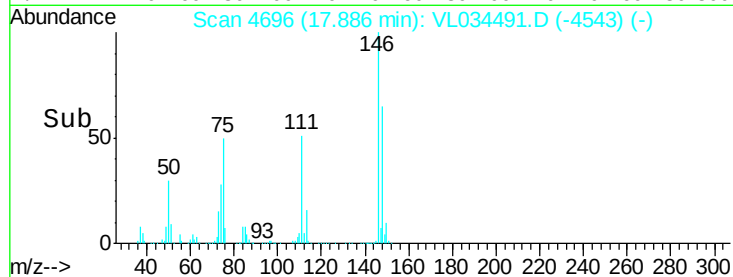
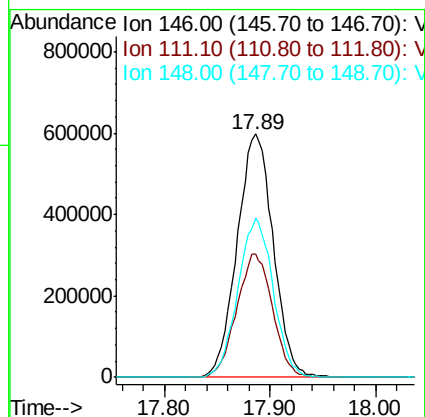
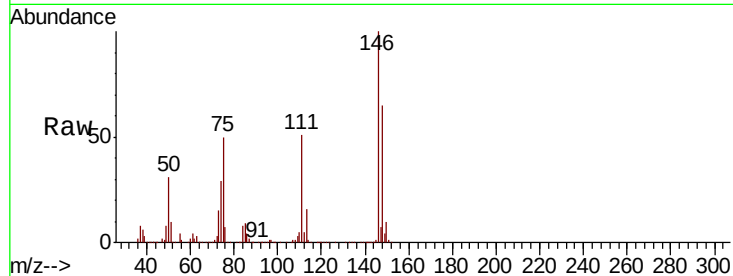
#77
 1,2-Dichlorobenzene
 Concen: 8.116 ppbv
 RT: 17.89 min Scan# 4696
 Delta R.T. -0.01 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.5	25.0	75.0
148	64.2	32.7	98.1

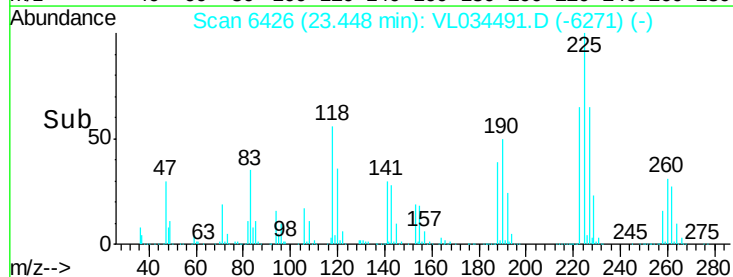
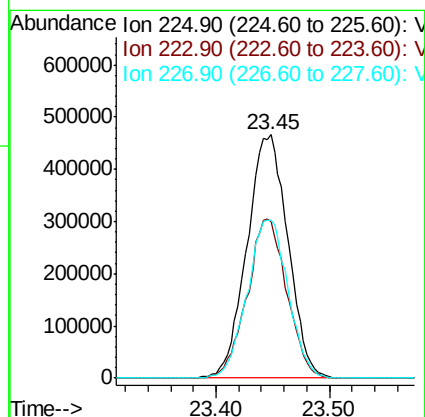
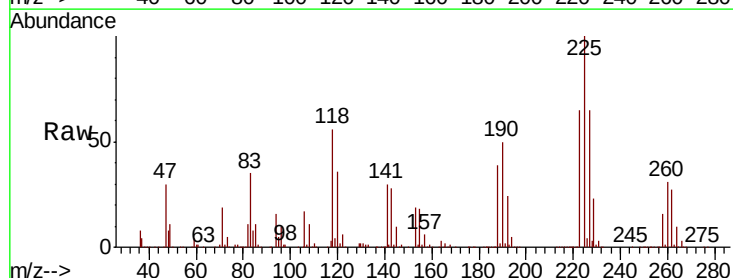
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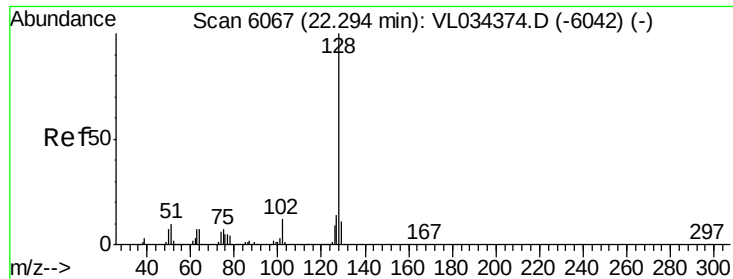
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.785 ppbv
 RT: 23.45 min Scan# 6426
 Delta R.T. -0.00 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.2
227	64.9	51.5	77.3





#79

Naphthalene

Concen: 7.853 ppbv

RT: 22.29 min Scan# 6066

Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Instrument :

MSVOA_L

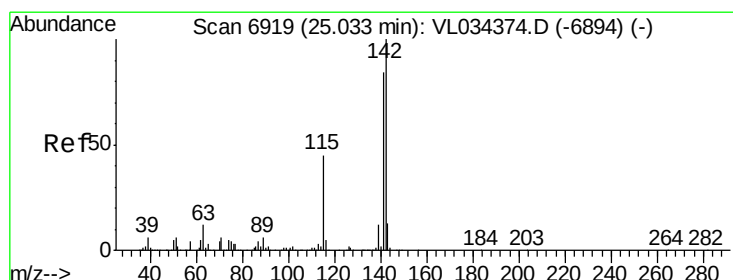
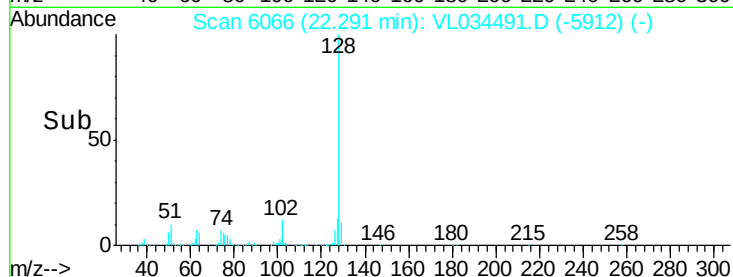
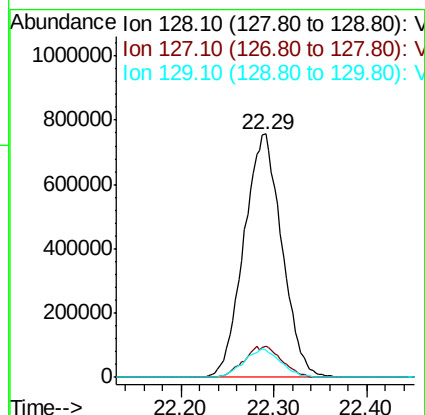
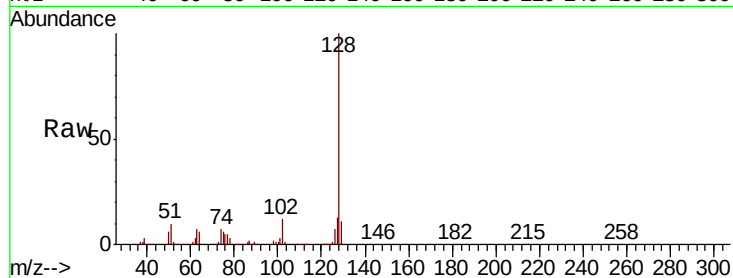
ClientSampleId :

VSTDCCC010EC

Tot Ion:	128	Resp:	2149291
Ion	Ratio	Lower	Upper
128	100		
127	12.7	11.0	16.6
129	11.3	8.9	13.3

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#80

Naphthalene, 2-methyl-

Concen: 4.860 ppbv

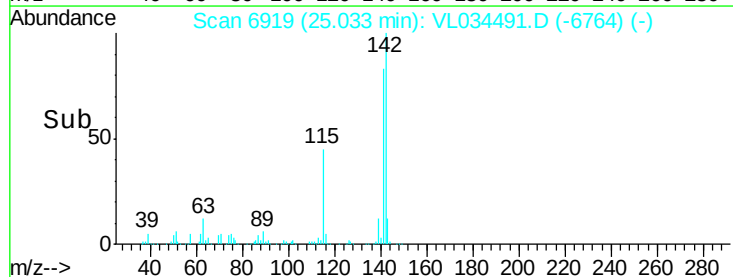
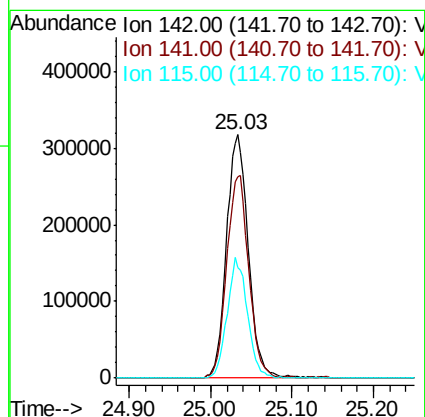
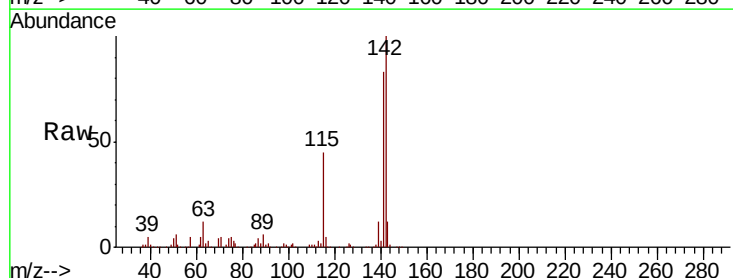
RT: 25.03 min Scan# 6919

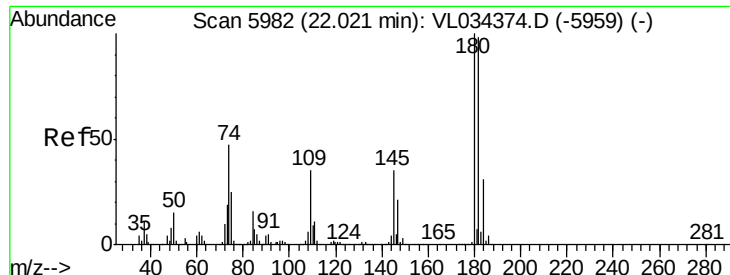
Delta R.T. -0.00 min

Lab File: VL034491.D

Acq: 10 Dec 2019 11:04

Tgt Ion:	142	Resp:	600597
Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.1	100.7
115	46.3	36.6	54.8





#81
 1,2,4-Trichlorobenzene
 Concen: 7.214 ppbv
 RT: 22.02 min Scan# 5981
 Delta R.T. -0.00 min
 Lab File: VL034491.D
 Acq: 10 Dec 2019 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.8	115.2
184	30.7	24.9	37.3

Manual Integrations
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