

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
 Data File : VL034465.D
 Acq On : 9 Dec 2019 14:48
 Operator : SY/AP
 Sample : VL1209ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/18/2019 9:49:01 AM

Quant Time: Dec 10 03:56:00 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	915338	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1836081	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1942566	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1594409	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1162453	7.020	ppbv	97
3) Chlorodifluoromethane	2.96	51	1047551	9.172	ppbv	99
4) Chloromethane	3.11	50	544933	8.089	ppbv	96
5) Vinyl Chloride	3.23	62	530730	8.409	ppbv	95
6) Bromomethane	3.45	94	302457	9.524	ppbv	91
7) Chloroethane	3.54	64	198706	8.674	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	1269730	8.538	ppbv	99
9) Propene	2.98	41	403812	7.964	ppbv	97
10) Heptane	8.15	43	1112940	8.505	ppbv	99
11) Trichlorofluoromethane	3.93	101	1447425	8.783	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	962046	8.790	ppbv	98
13) Ethanol	3.58	45	110886	7.851	ppbv	94
14) Bromoethene	3.72	108	381769	8.579	ppbv	100
15) Acetone	3.83	43	1040762	7.940	ppbv	99
16) 1,3-Butadiene	3.30	39	493429	8.642	ppbv	100
17) tert-Butyl alcohol	4.28	59	1067142	9.686	ppbv	99
18) 1,1-Dichloroethene	4.28	96	415182	8.673	ppbv	94
19) Isopropyl Alcohol	3.95	45	833287	9.918	ppbv	100
20) Methylene Chloride	4.33	84	366962	7.895	ppbv	96
21) Allyl Chloride	4.40	41	710997	9.053	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	414469	8.588	ppbv	97
23) Vinyl Acetate	5.07	43	1554954	9.082	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1120978	8.523	ppbv	98
25) Ethyl Acetate	5.68	43	1899344	8.121	ppbv	100
26) Hexane	5.69	57	828136	8.240	ppbv	98
27) Carbon Disulfide	4.54	76	1060911	9.692	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1453339	8.721	ppbv	99
29) Chloroform	5.76	83	1382406	8.494	ppbv	97
30) Cyclohexane	7.15	84	649409	8.547	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	880173	8.475	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	1420005	9.306	ppbv	98
34) 2-Butanone	5.24	43	1281002	8.476	ppbv	98
35) Carbon Tetrachloride	7.04	117	1472282	9.326	ppbv	96
36) Benzene	6.92	78	1556600	8.481	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1188296	8.715	ppbv	99
38) Trichloroethene	7.86	130	626829	8.322	ppbv	96
39) 1,2-Dichloropropane	7.64	63	650524	9.200	ppbv	94
40) 1,4-Dioxane	7.85	88	249241	8.069	ppbv #	100
41) Tetrahydrofuran	6.06	42	709589	8.371	ppbv	99
42) Bromodichloromethane	7.82	83	1514957	8.884	ppbv	100
43) Methyl Methacrylate	8.04	69	664538	8.729	ppbv	97

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 Data File : VL034465.D
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 Sample : VL1209ABS01
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Manual Integrations
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MMDadoda
 12/18/2019 9:49:01 AM

Quant Time: Dec 10 03:56:00 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)
44) 2,2,4-Trimethylpentane	7.90	57	2861185	8.530	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	882300	9.037	ppbv	95
46) cis-1,3-Dichloropropene	8.74	75	1009760	9.208	ppbv	96
47) 1,1,2-Trichloroethane	9.51	97	678488	8.626	ppbv	96
48) Dibromochloromethane	10.35	129	1253011	9.278	ppbv	99
49) Bromoform	13.10	173	1124863	9.330	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	1909612	8.733	ppbv	99
51) 2-Hexanone	10.17	43	1593504	8.700	ppbv	98
52) Tetrachloroethene	11.27	164	585139	7.368	ppbv	100
53) Toluene	9.84	91	1797278	8.621	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1068382	8.859	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.18	131	848254	8.927	ppbv	96
57) Chlorobenzene	12.20	112	1406264	8.008	ppbv	98
58) Ethyl Benzene	12.76	91	2536071	8.413	ppbv	98
59) m/p-Xylene	13.05	91	4224384m	16.211	ppbv	
60) o-Xylene	13.75	91	2151401	8.350	ppbv	100
61) Styrene	13.58	104	1527349	8.220	ppbv	99
62) Isopropylbenzene	14.72	105	2866182	8.411	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1548442	7.995	ppbv	100
64) n-propylbenzene	15.62	120	727258	8.218	ppbv	91
65) tert-Butylbenzene	16.81	119	2570718	8.399	ppbv	99
66) Benzyl Chloride	17.06	91	1206550	10.247	ppbv	99
67) sec-Butylbenzene	17.36	105	3580284	8.362	ppbv	100
69) p-Isopropyltoluene	17.71	119	3020643	8.501	ppbv	99
70) n-Butylbenzene	18.62	91	3190079	8.344	ppbv	99
71) 2-Chlorotoluene	15.51	91	2247434	8.272	ppbv	100
72) 4-Ethyltoluene	15.90	105	2444538	8.211	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2397562	8.228	ppbv	97
74) 1,2,4-Trimethylbenzene	16.83	105	2479358	8.010	ppbv #	89
75) 1,3-Dichlorobenzene	17.06	146	1381162	7.763	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	1389163	8.040	ppbv	98
77) 1,2-Dichlorobenzene	17.89	146	1370963	7.978	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1132538	7.670	ppbv	99
79) Naphthalene	22.29	128	2130404	7.939	ppbv	98
80) Naphthalene,2-methyl-	25.03	142	417767	3.448	ppbv	96
81) 1,2,4-Trichlorobenzene	22.01	180	1205106	7.310	ppbv	100

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

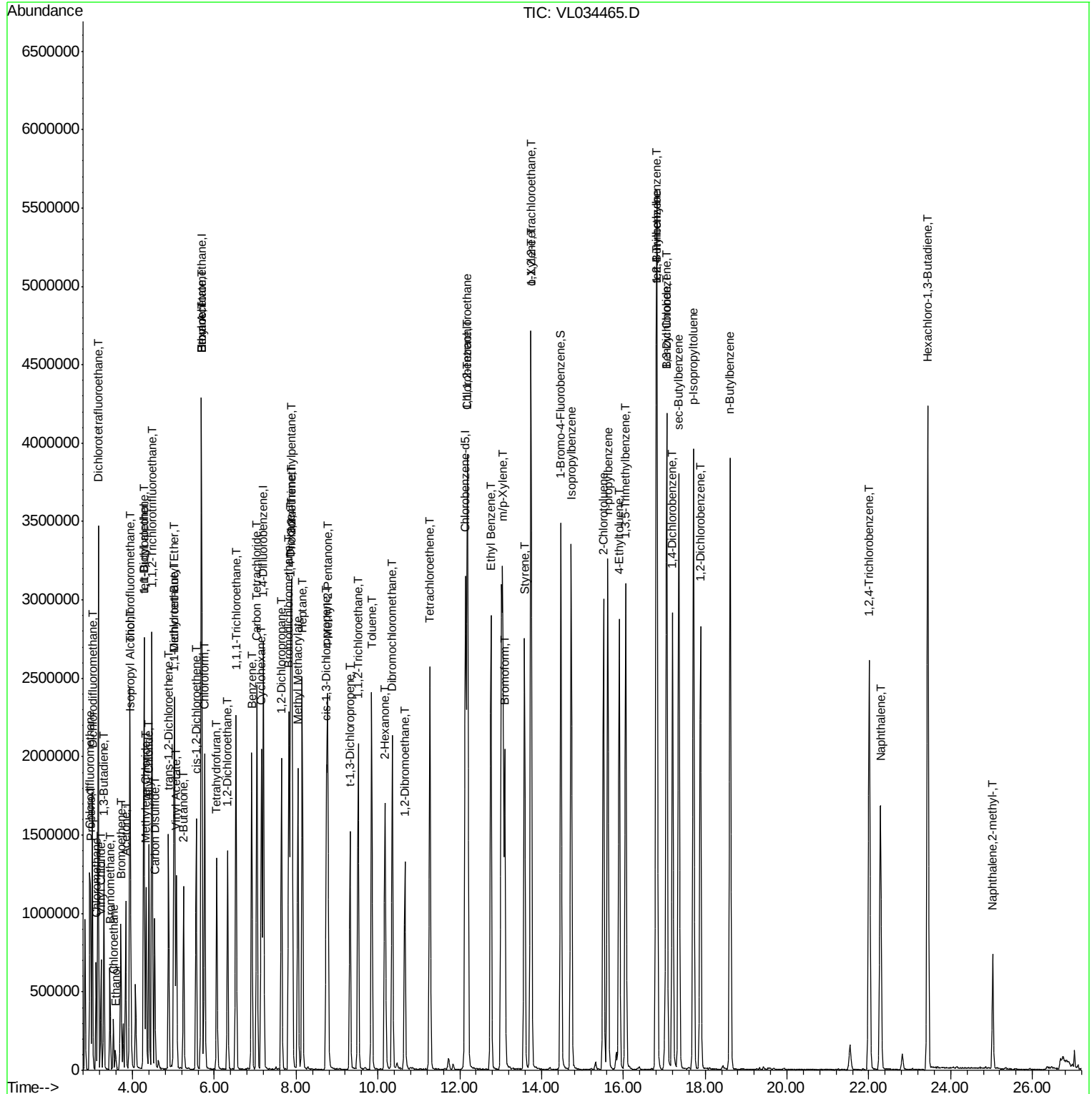
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
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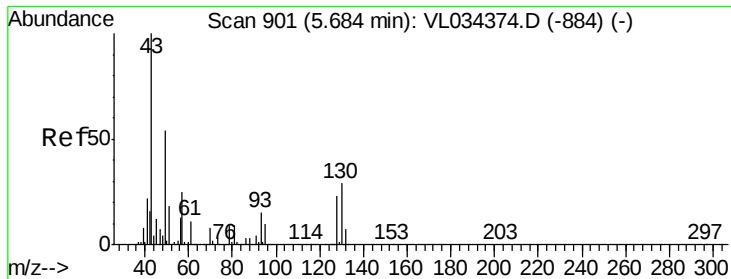
Instrument :
MSVOA_L
ClientSampleId :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Instrument :

MSVOA_L

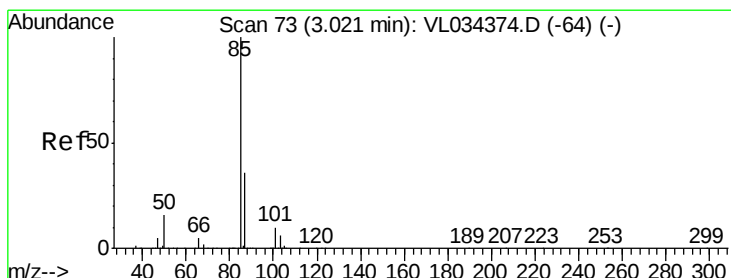
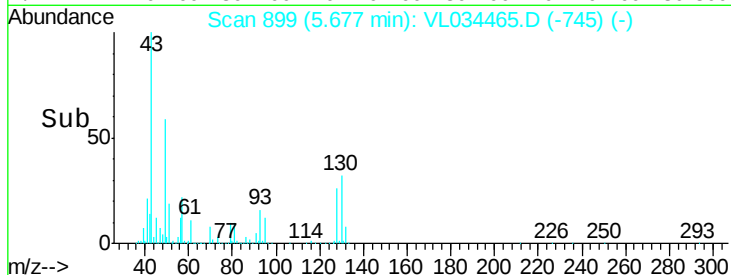
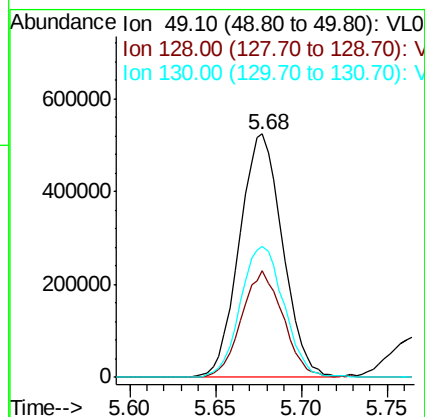
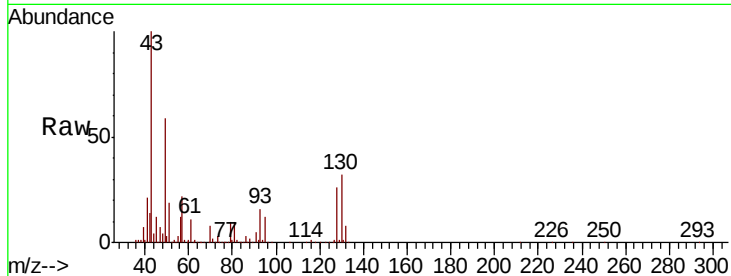
ClientSampleId :

VL1209ABS01

Tgt Ion:	49	Resp:	915338
Ion	Ratio	Lower	Upper
49	100		
128	42.3	21.8	65.3
130	54.6	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 7.020 ppbv

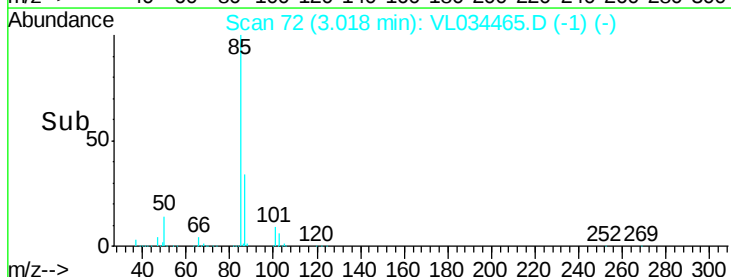
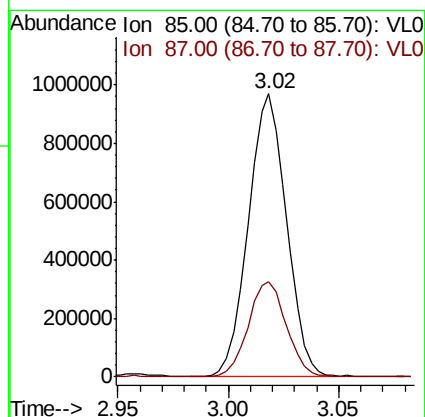
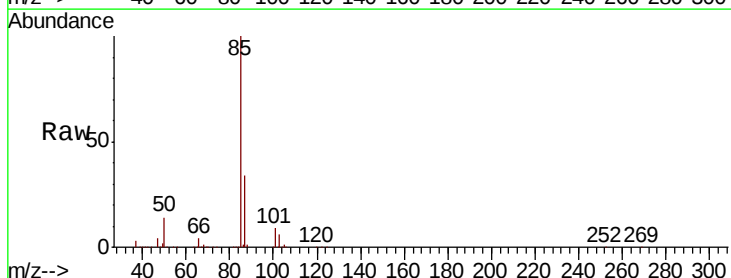
RT: 3.02 min Scan# 72

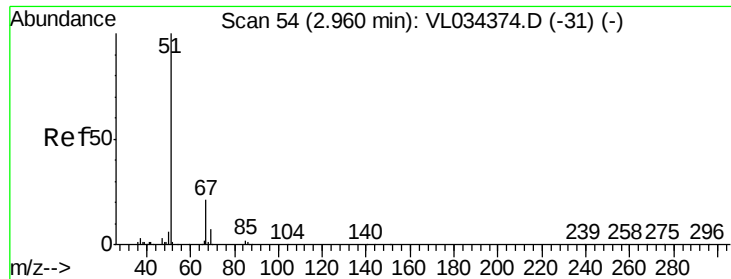
Delta R.T. -0.00 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Tgt Ion:	85	Resp:	1162453
Ion	Ratio	Lower	Upper
85	100		
87	33.7	28.5	42.7





#3

Chlorodifluoromethane

Concen: 9.172 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.00 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Instrument :

MSVOA_L

ClientSampleId :

VL1209ABS01

Tgt Ion: 51 Resp: 1047551

Ion Ratio Lower Upper

51 100

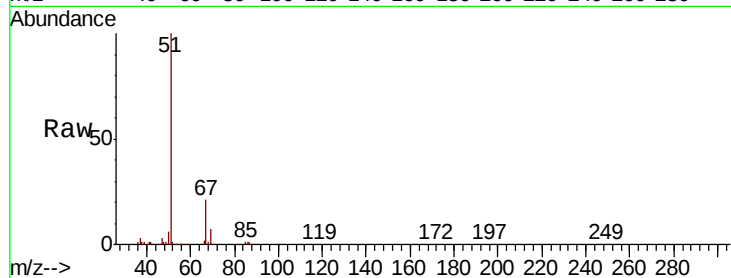
67 20.0 16.2 24.2

Manual Integrations

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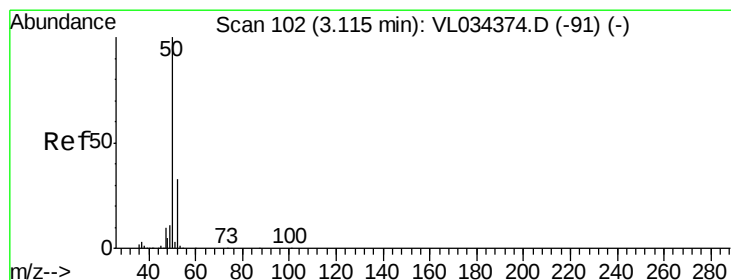
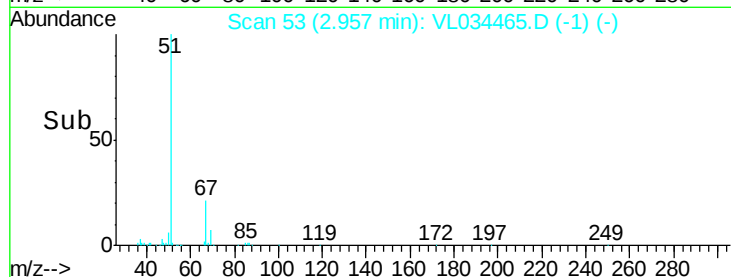
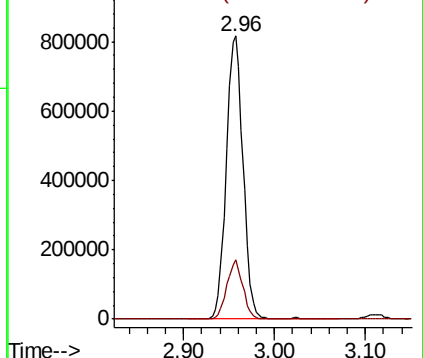
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.089 ppbv

RT: 3.11 min Scan# 100

Delta R.T. -0.01 min

Lab File: VL034465.D

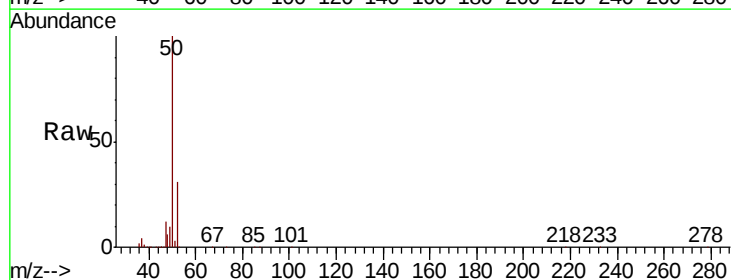
Acq: 9 Dec 2019 14:48

Tgt Ion: 50 Resp: 544933

Ion Ratio Lower Upper

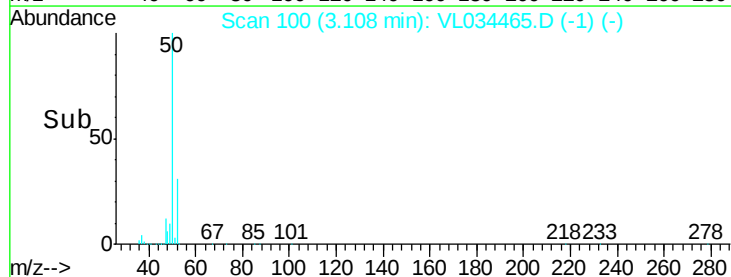
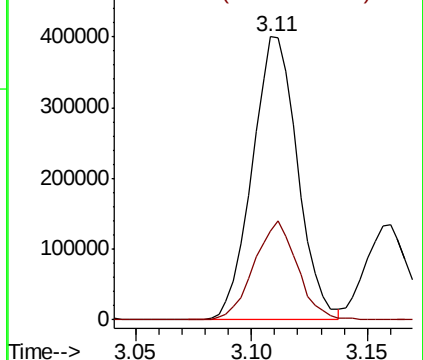
50 100

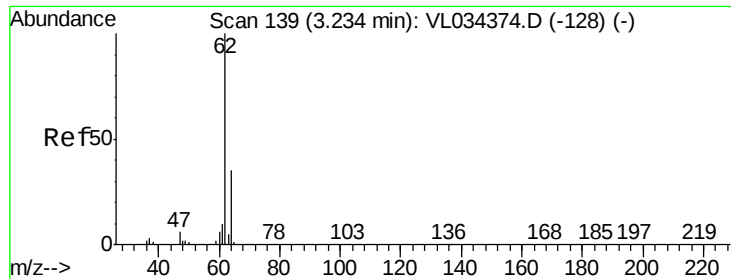
52 31.4 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.409 ppbv

RT: 3.23 min Scan# 137

Delta R.T. -0.01 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Instrument :

MSVOA_L

ClientSampleId :

VL1209ABS01

Tgt Ion: 62 Resp: 530730

Ion Ratio Lower Upper

62 100

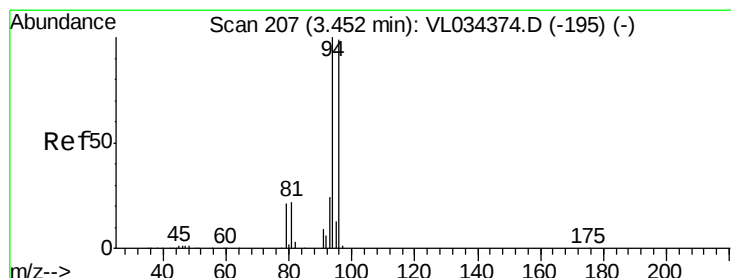
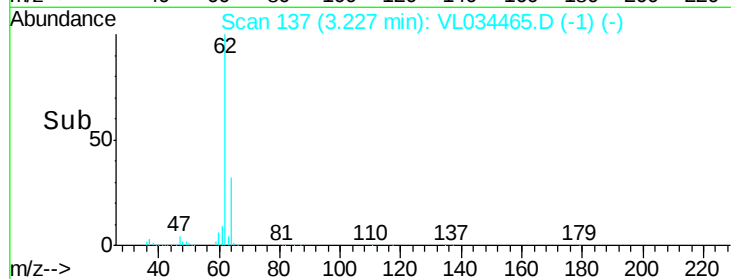
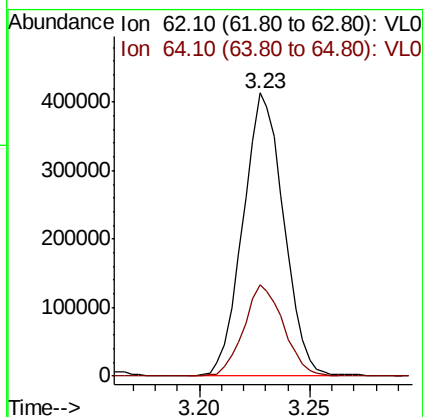
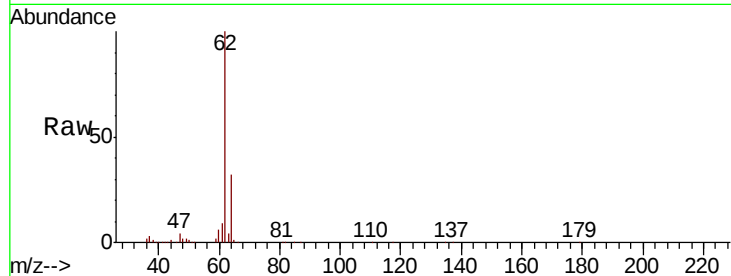
64 32.4 28.4 42.6

Manual Integrations

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#6

Bromomethane

Concen: 9.524 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL034465.D

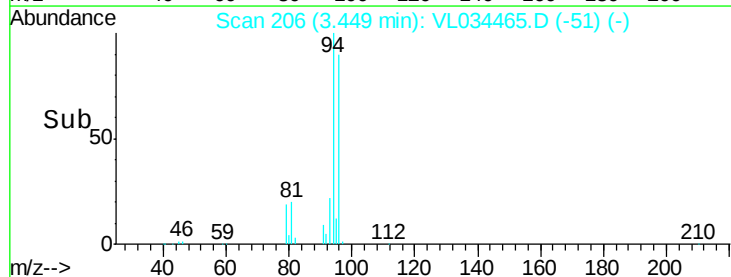
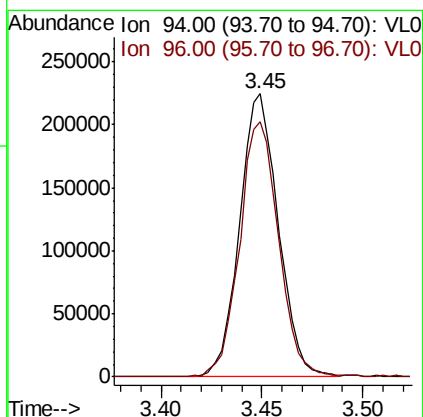
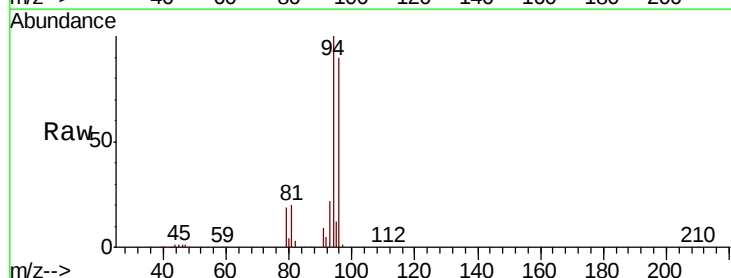
Acq: 9 Dec 2019 14:48

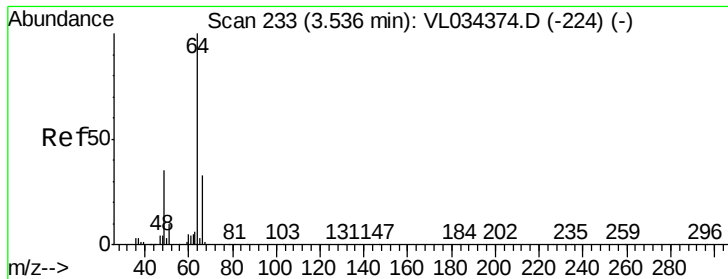
Tgt Ion: 94 Resp: 302457

Ion Ratio Lower Upper

94 100

96 90.2 79.5 119.3





#7

Chloroethane

Concen: 8.674 ppbv

RT: 3.54 min Scan# 233

Delta R.T. 0.00 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Instrument :

MSVOA_L

ClientSampleId :

VL1209ABS01

Tgt Ion: 64 Resp: 198706

Ion Ratio Lower Upper

64 100

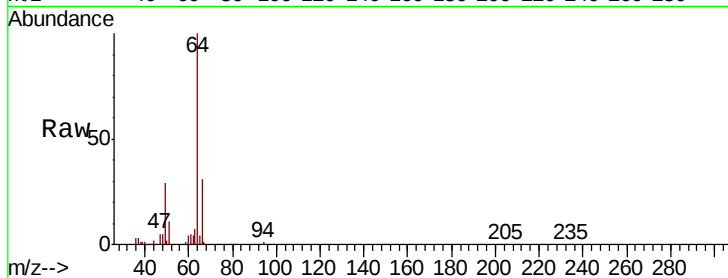
66 31.4 26.0 39.0

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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

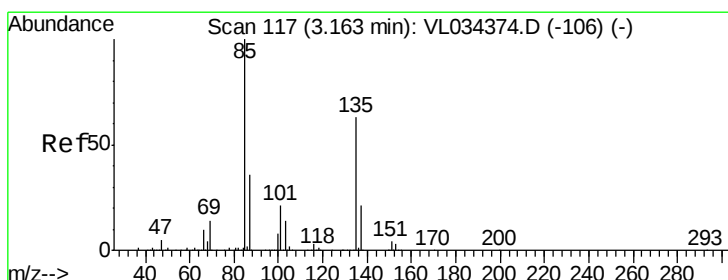
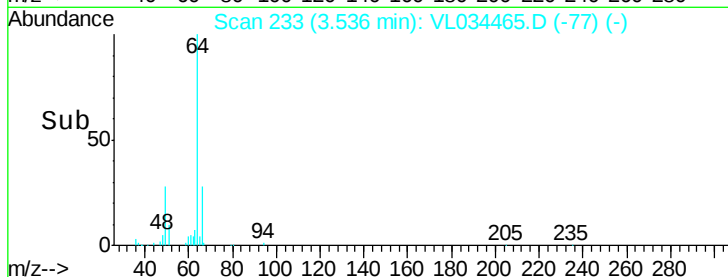
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100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.538 ppbv

RT: 3.16 min Scan# 115

Delta R.T. -0.01 min

Lab File: VL034465.D

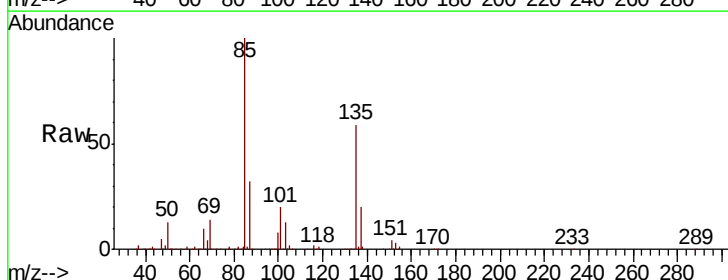
Acq: 9 Dec 2019 14:48

Tgt Ion: 85 Resp: 1269730

Ion Ratio Lower Upper

85 100

135 62.9 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

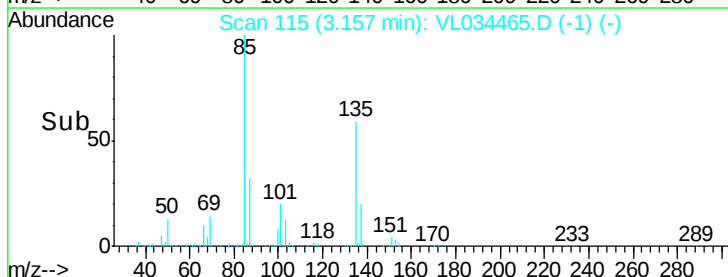
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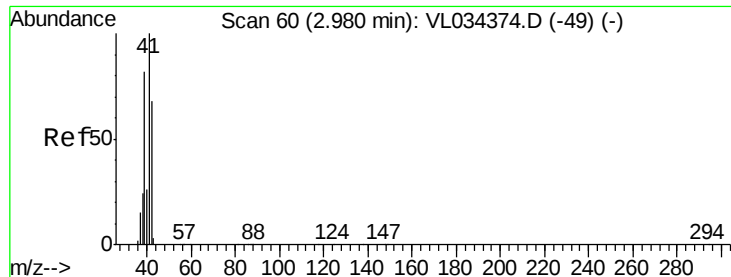
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Time-->





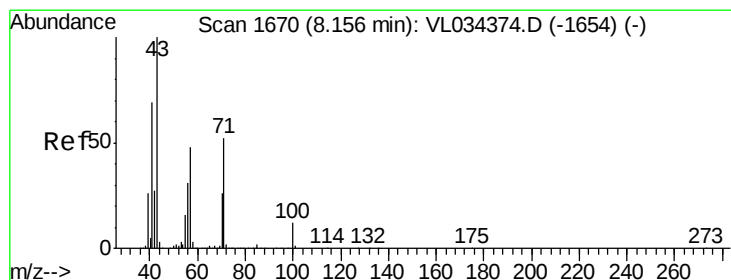
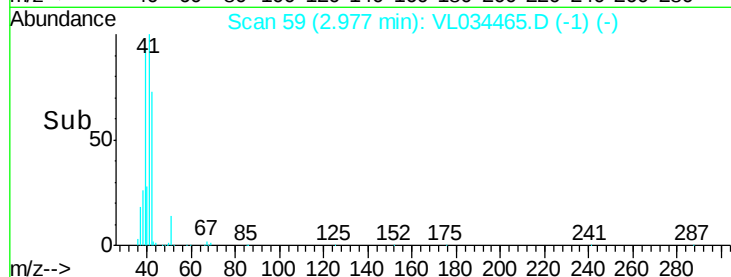
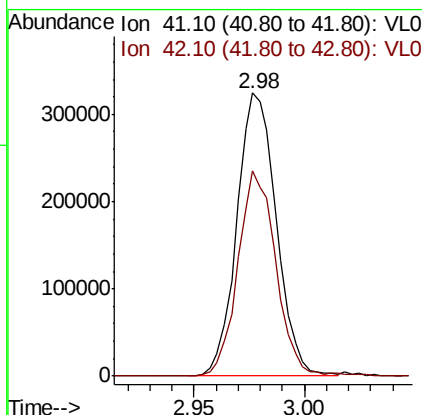
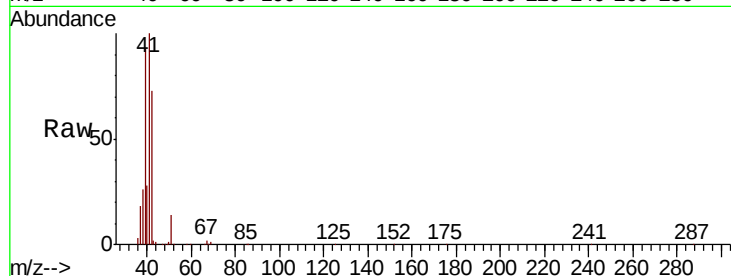
#9
 Propene
 Concen: 7.964 ppbv
 RT: 2.98 min Scan# 59
 Delta R.T. -0.00 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Tgt Ion: 41 Resp: 403812
 Ion Ratio Lower Upper
 41 100
 42 70.4 54.6 82.0

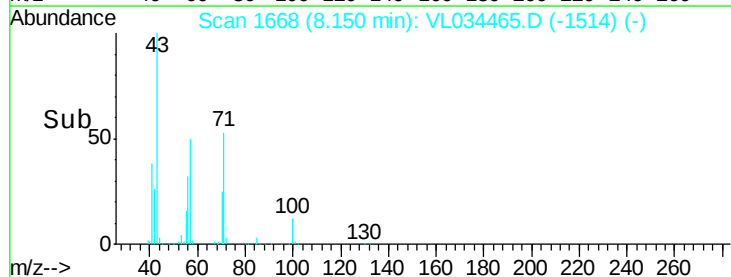
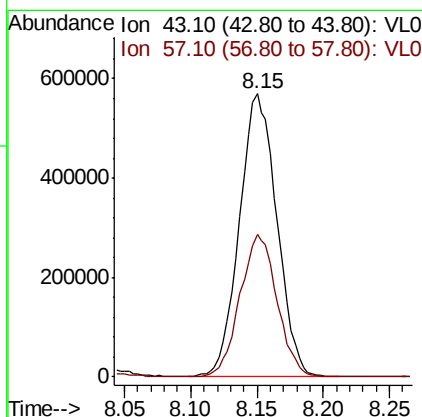
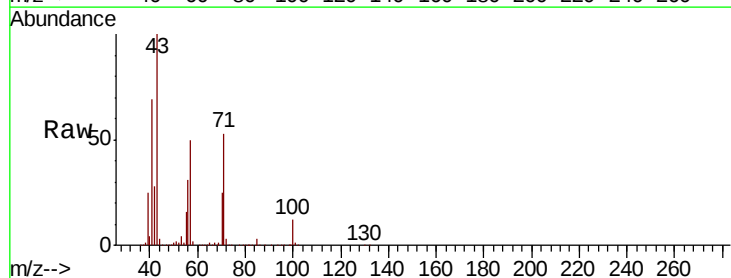
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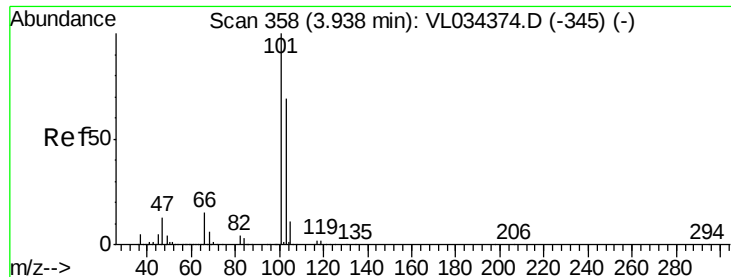
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#10
 Heptane
 Concen: 8.505 ppbv
 RT: 8.15 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Tgt Ion: 43 Resp: 1112940
 Ion Ratio Lower Upper
 43 100
 57 49.6 40.2 60.2





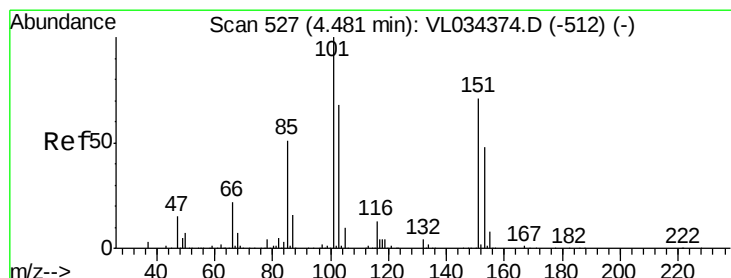
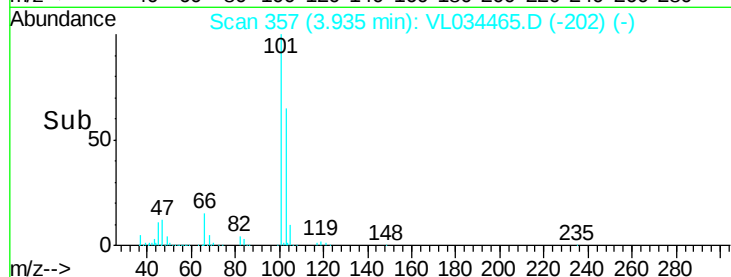
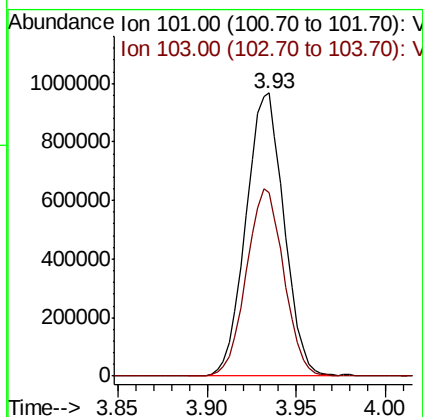
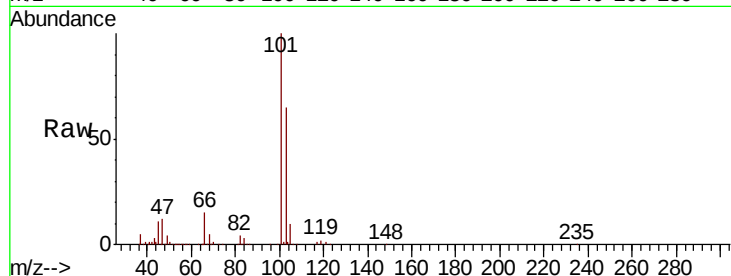
#11
 Trichlorofluoromethane
 Concen: 8.783 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Tgt Ion:101 Resp: 1447425
 Ion Ratio Lower Upper
 101 100
 103 65.0 55.4 83.0

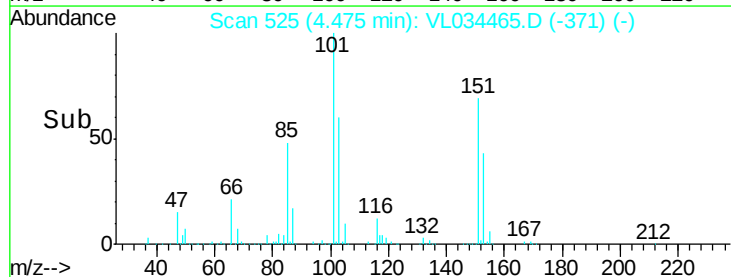
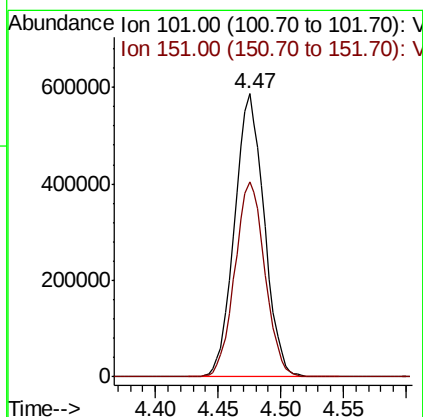
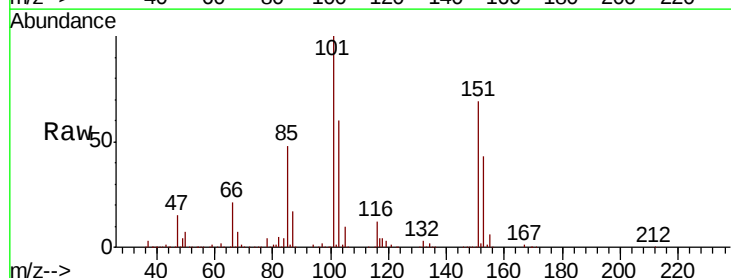
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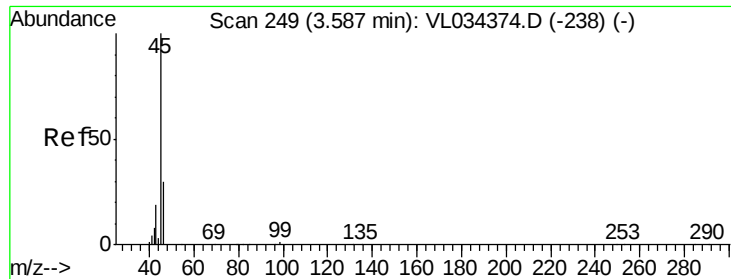
MMDadoda
 12/18/2019 9:49:01 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.790 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Tgt Ion:101 Resp: 962046
 Ion Ratio Lower Upper
 101 100
 151 70.0 57.4 86.2





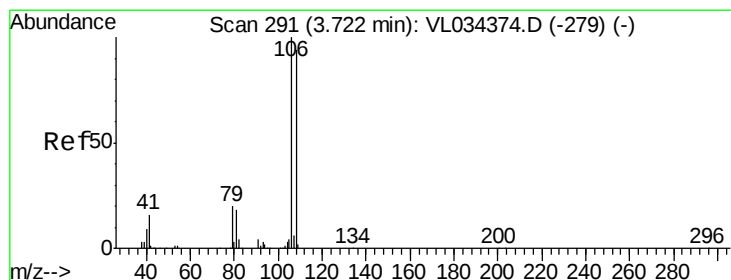
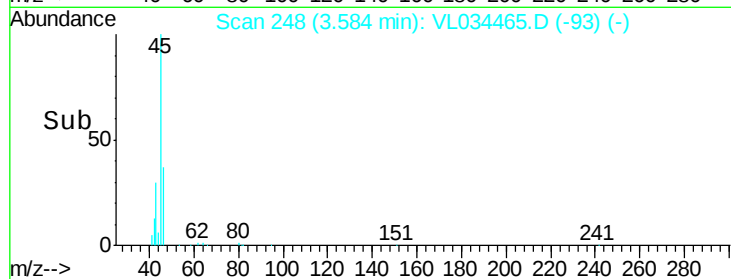
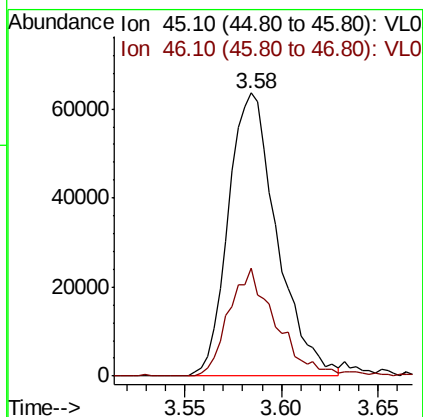
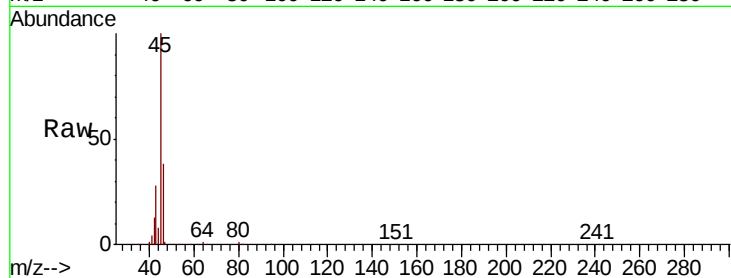
#13
Ethanol
Concen: 7.851 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 45 Resp: 110886
Ion Ratio Lower Upper
45 100
46 38.0 13.8 55.4

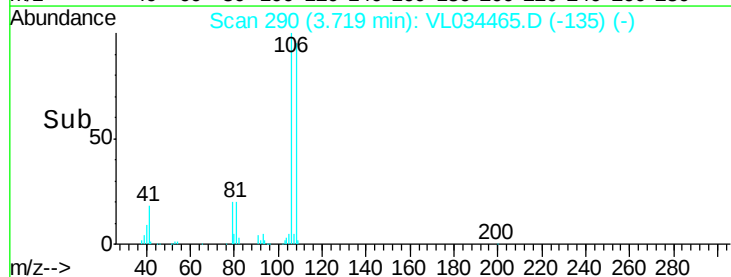
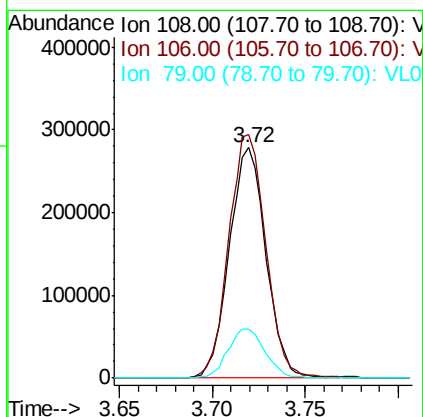
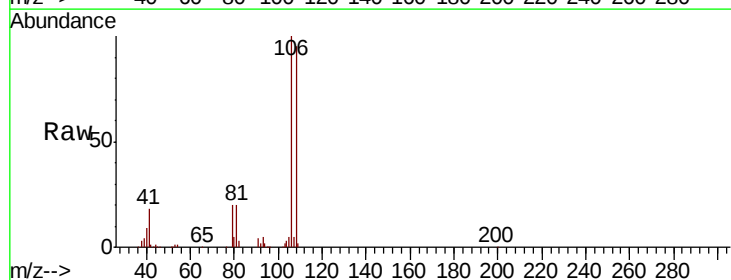
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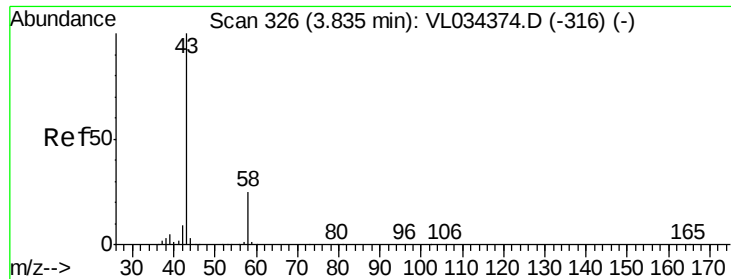
MMDadoda
12/18/2019 9:49:01 AM



#14
Bromoethene
Concen: 8.579 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 108 Resp: 381769
Ion Ratio Lower Upper
108 100
106 107.0 85.7 128.5
79 21.9 17.2 25.8





#15

Acetone

Concen: 7.940 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.00 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Instrument :

MSVOA_L

ClientSampleId :

VL1209ABS01

Tgt Ion: 43 Resp: 1040762

Ion Ratio Lower Upper

43 100

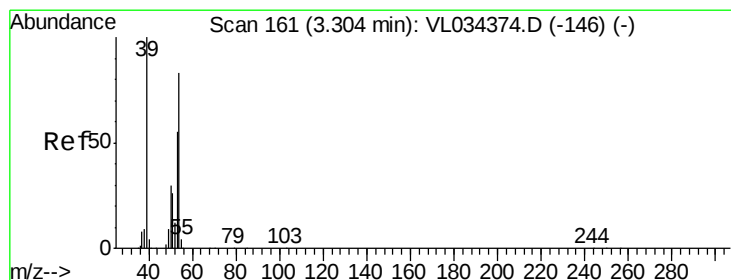
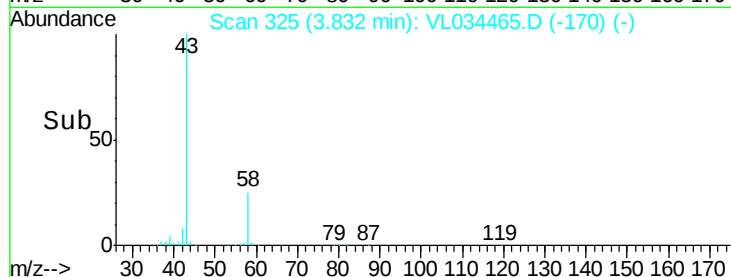
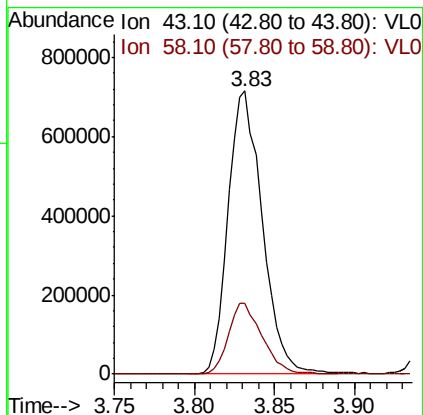
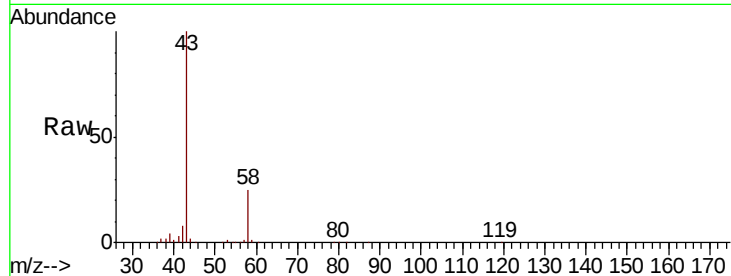
58 25.0 20.2 30.4

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#16

1,3-Butadiene

Concen: 8.642 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.00 min

Lab File: VL034465.D

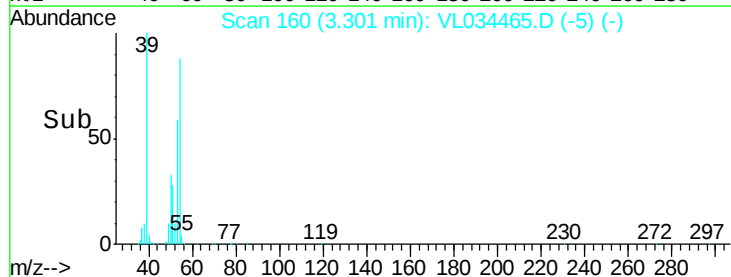
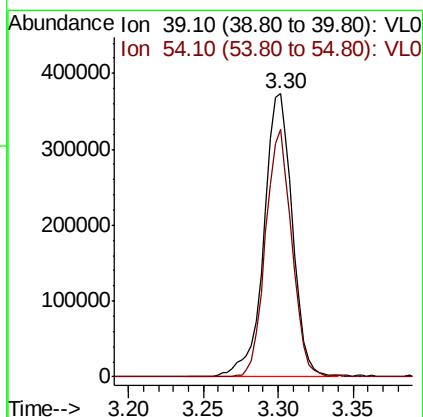
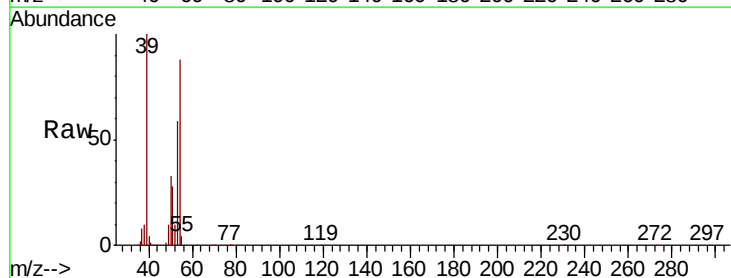
Acq: 9 Dec 2019 14:48

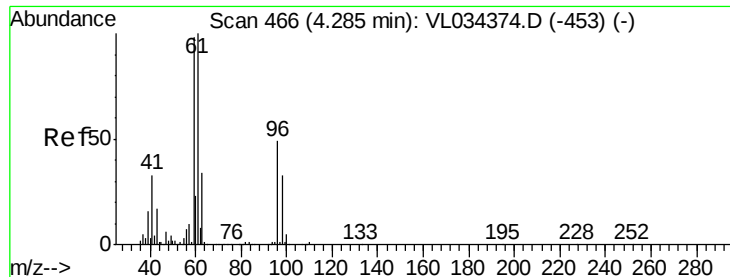
Tgt Ion: 39 Resp: 493429

Ion Ratio Lower Upper

39 100

54 80.9 64.7 97.1





#17

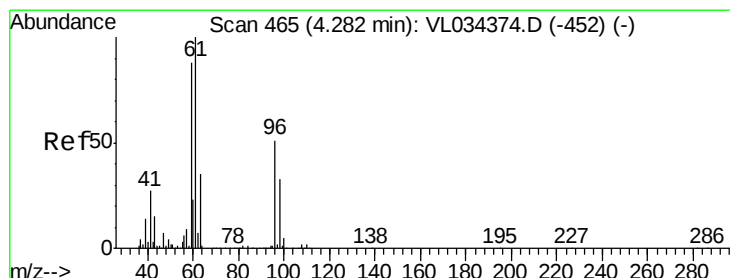
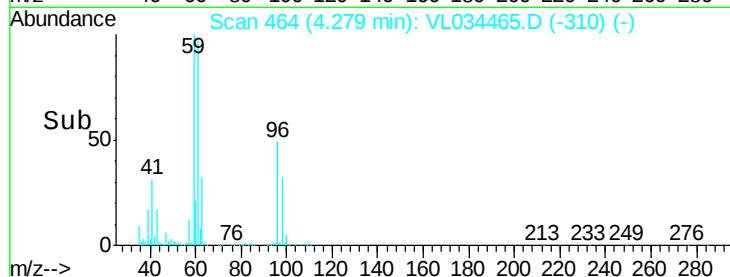
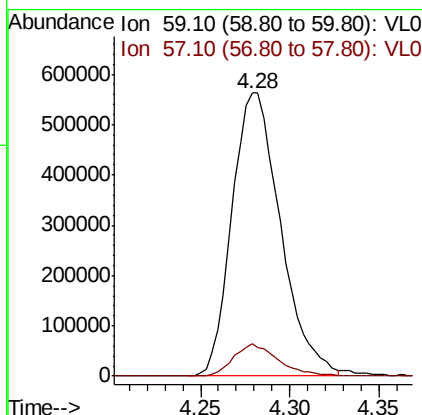
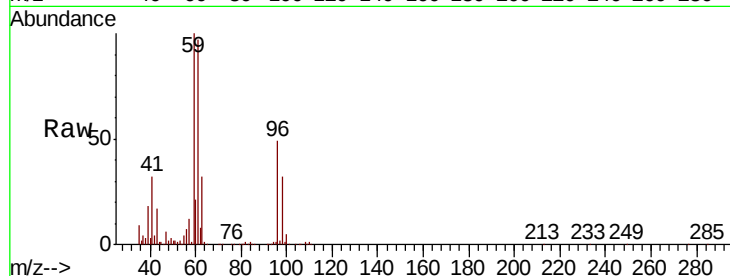
tert-Butyl alcohol
 Concen: 9.686 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Tgt Ion: 59 Resp: 1067142
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.8 13.2

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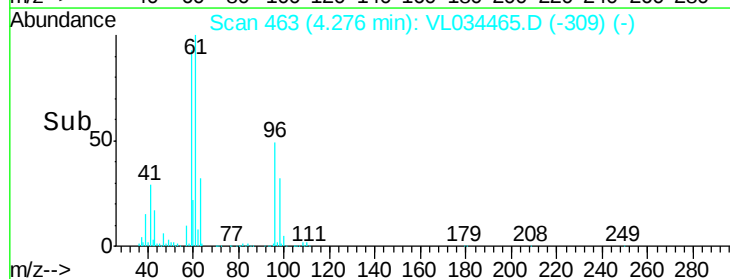
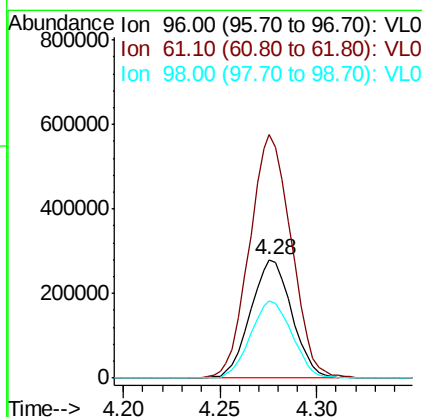
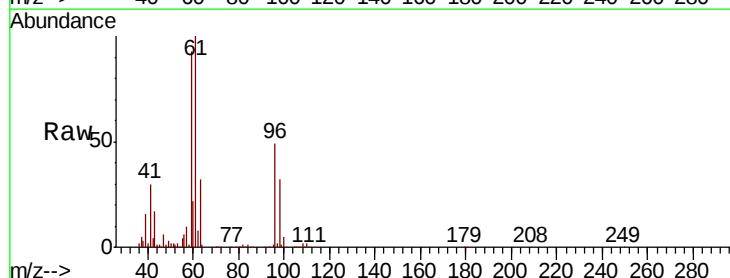
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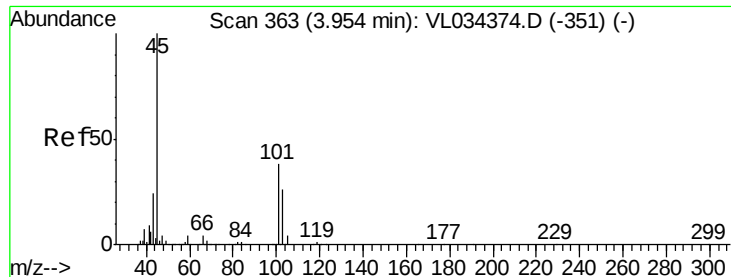


#18

1,1-Dichloroethene
 Concen: 8.673 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Tgt Ion: 96 Resp: 415182
 Ion Ratio Lower Upper
 96 100
 61 205.3 155.6 233.4
 98 65.2 51.6 77.4





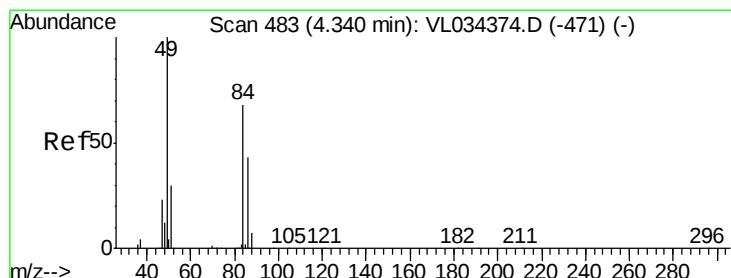
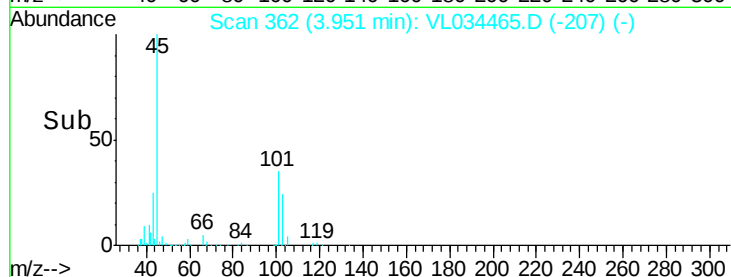
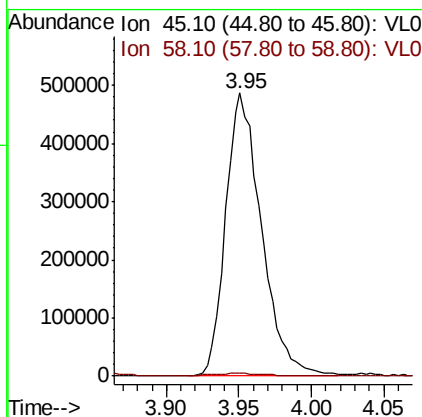
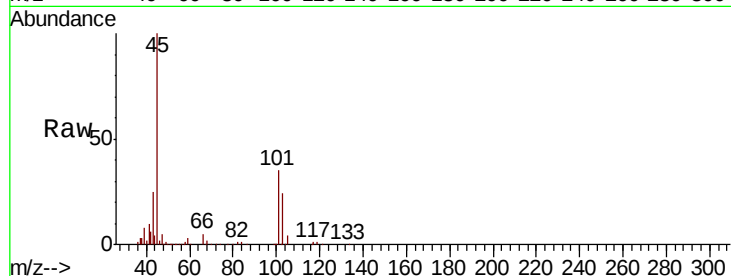
#19
Isopropyl Alcohol
Concen: 9.918 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 45 Resp: 833287
Ion Ratio Lower Upper
45 100
58 1.5 1.3 1.9

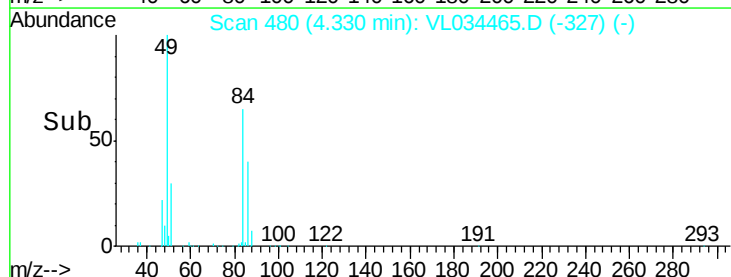
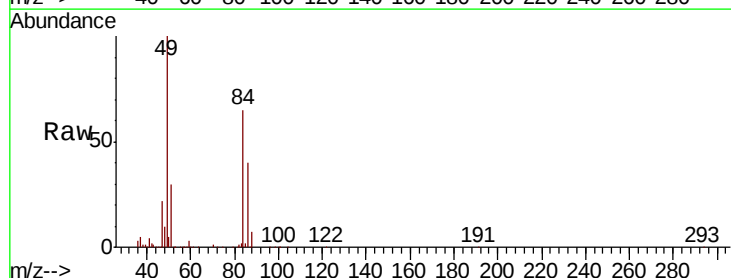
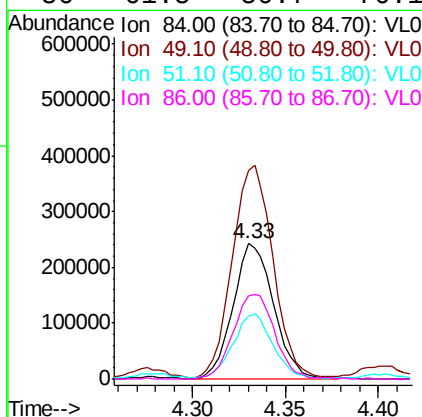
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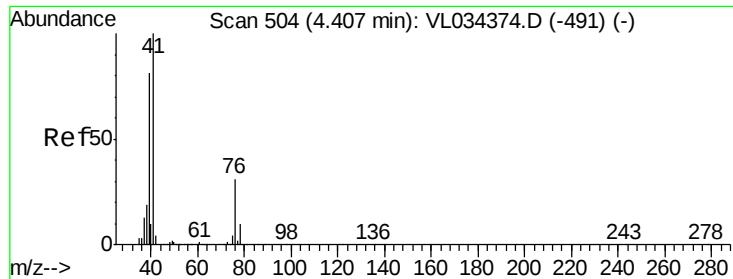
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#20
Methylene Chloride
Concen: 7.895 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 84 Resp: 366962
Ion Ratio Lower Upper
84 100
49 152.7 116.8 175.2
51 46.1 35.6 53.4
86 61.5 50.7 76.1





#21

Allyl Chloride

Concen: 9.053 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.01 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Instrument :

MSVOA_L

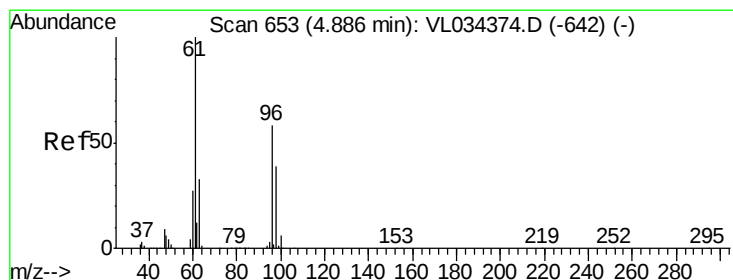
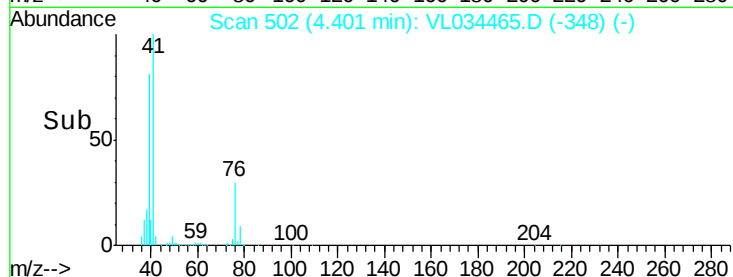
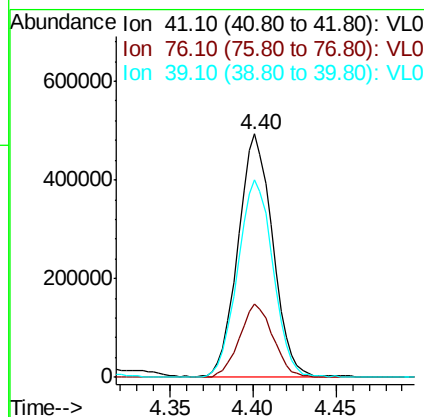
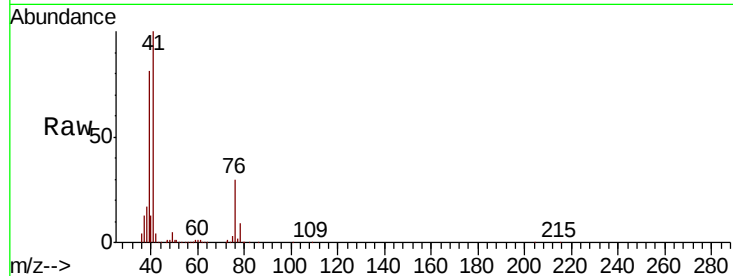
ClientSampleId :

VL1209ABS01

Tgt Ion:	41	Resp:	710997
Ion	Ratio	Lower	Upper
41	100		
76	29.6	24.2	36.2
39	83.2	66.9	100.3

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#22

trans-1,2-Dichloroethene

Concen: 8.588 ppbv

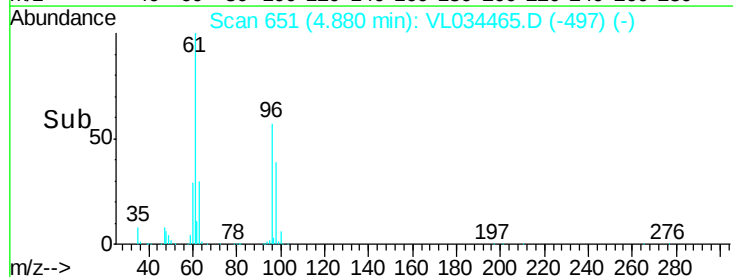
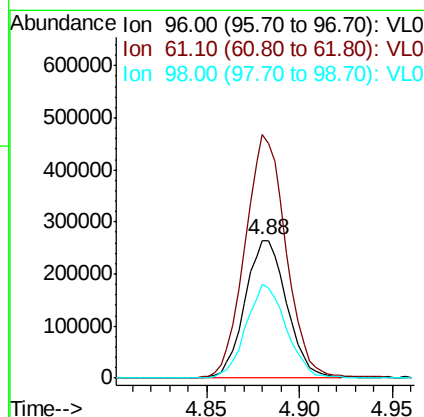
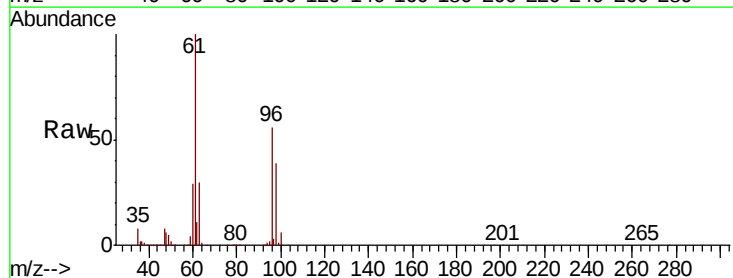
RT: 4.88 min Scan# 651

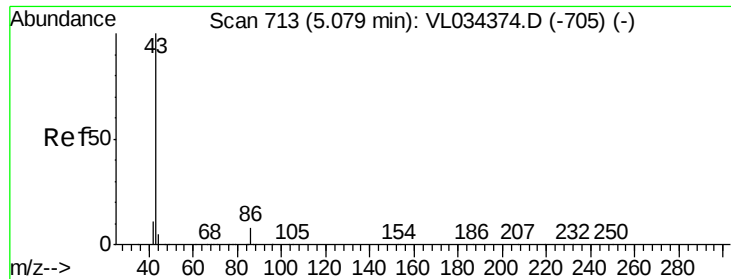
Delta R.T. -0.01 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Tgt Ion:	96	Resp:	414469
Ion	Ratio	Lower	Upper
96	100		
61	177.2	137.9	206.9
98	68.6	53.5	80.3





#23

Vinyl Acetate

Concen: 9.082 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Instrument :

MSVOA_L

ClientSampleId :

VL1209ABS01

Tgt Ion: 43 Resp: 1554954

Ion Ratio Lower Upper

43 100

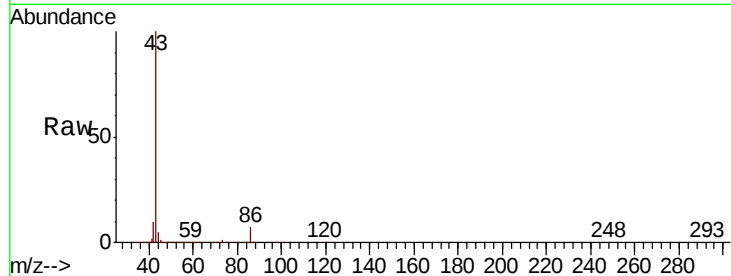
86 6.9 5.8 8.6

42 10.0 8.9 13.3

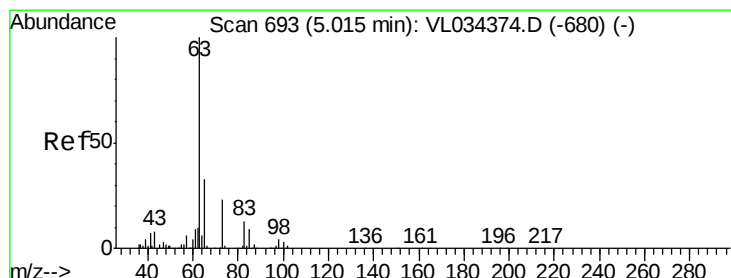
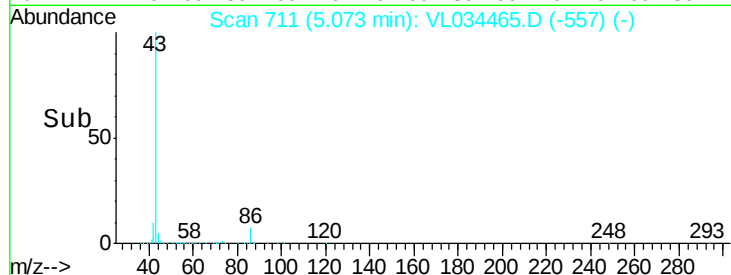
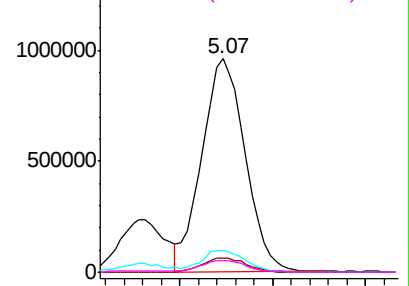
44 5.2 4.0 6.0

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Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000 Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.523 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

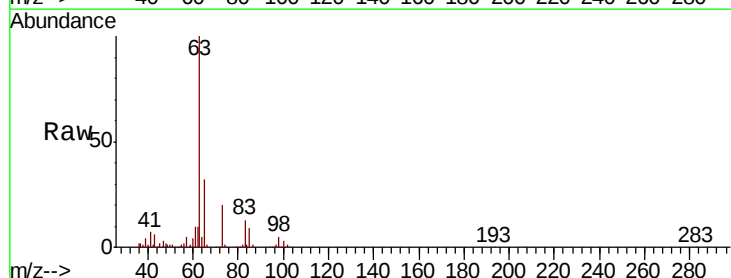
Tgt Ion: 63 Resp: 1120978

Ion Ratio Lower Upper

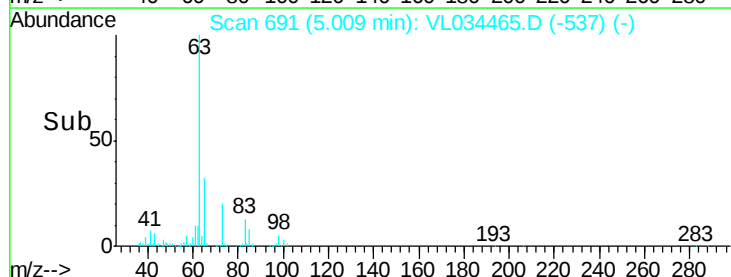
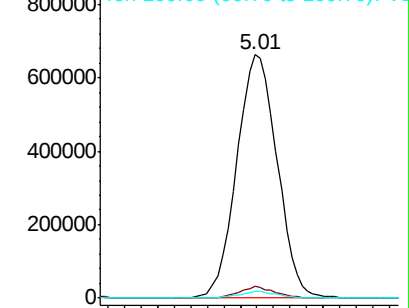
63 100

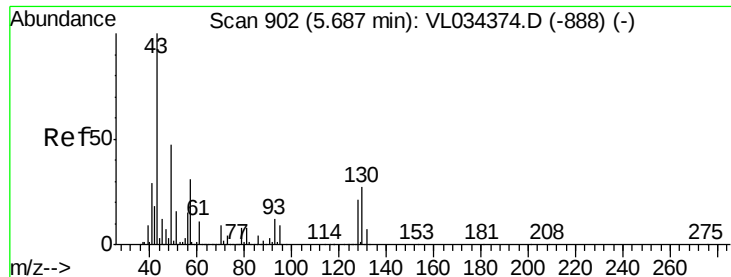
98 4.8 1.9 5.7

100 2.8 1.4 4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
800000 Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





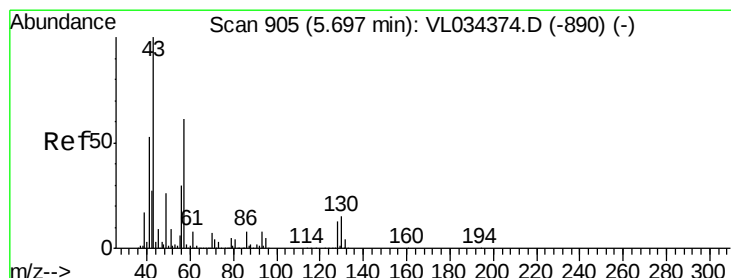
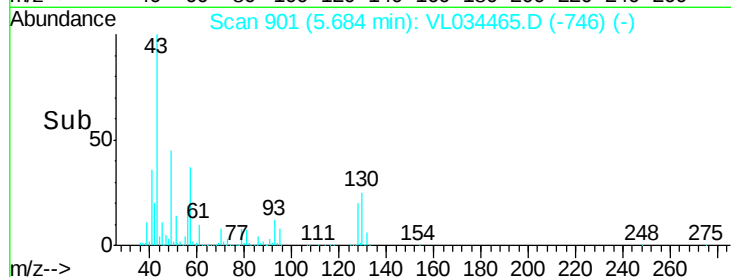
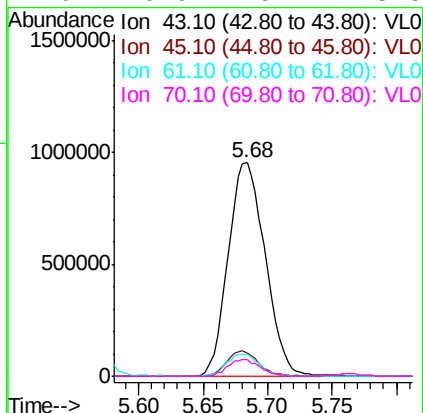
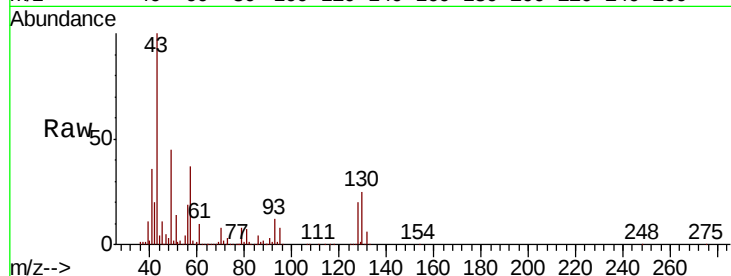
#25
Ethyl Acetate
Concen: 8.121 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.3	7.5	11.3
70	6.9	5.7	8.5

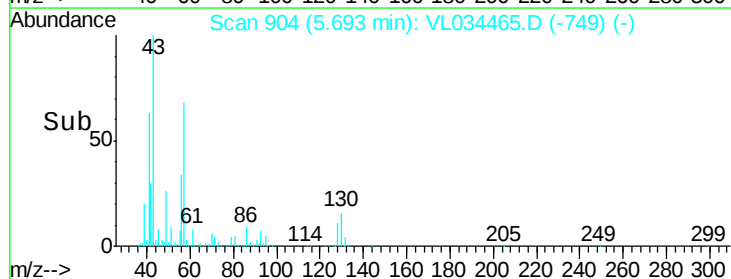
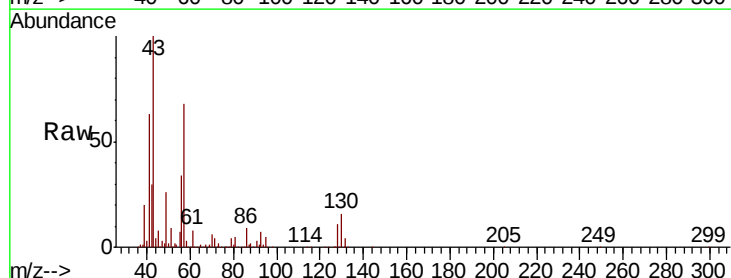
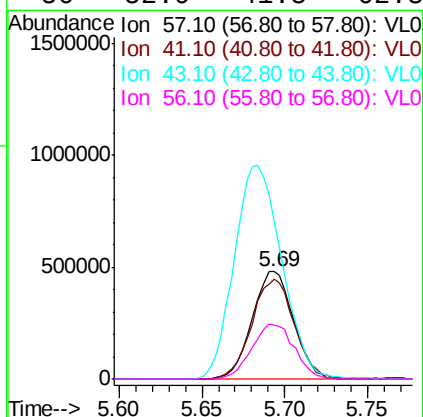
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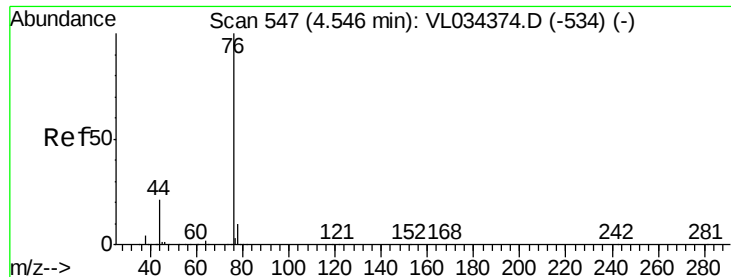
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#26
Hexane
Concen: 8.240 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.3	75.0	112.4
43	229.6	186.6	279.8
56	52.9	41.5	62.3





#27

Carbon Disulfide

Concen: 9.692 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Instrument :

MSVOA_L

ClientSampleId :

VL1209ABS01

Tgt Ion: 76 Resp: 1060911

Ion Ratio Lower Upper

76 100

44 20.0 17.0 25.4

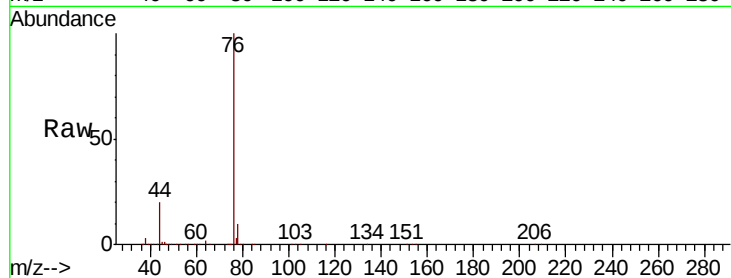
78 9.4 7.6 11.4

Manual Integrations

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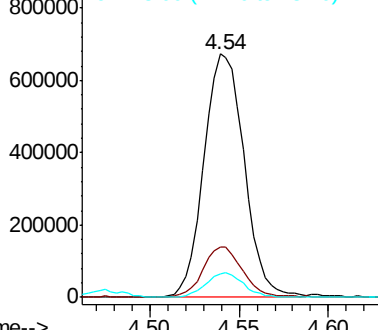
12/18/2019 9:49:01 AM



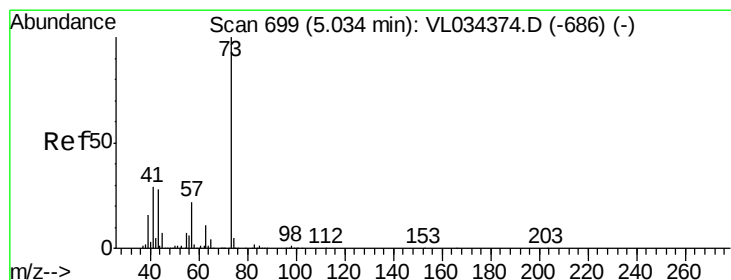
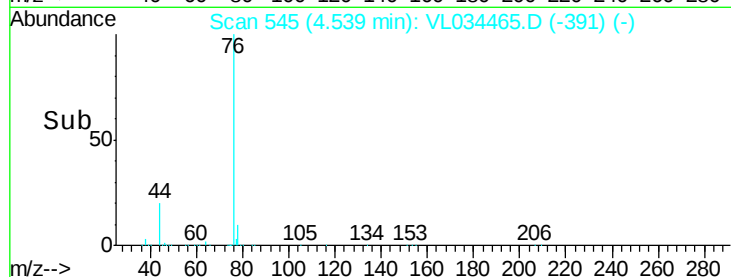
Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



Time-->



#28

Methyl tert-Butyl Ether

Concen: 8.721 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL034465.D

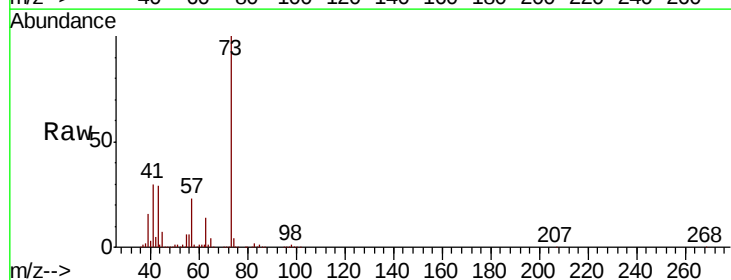
Acq: 9 Dec 2019 14:48

Tgt Ion: 73 Resp: 1453339

Ion Ratio Lower Upper

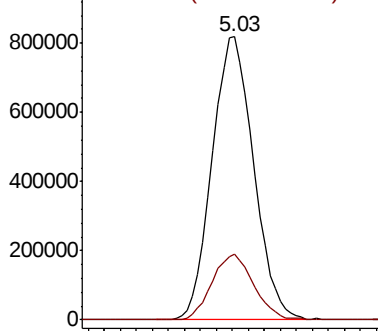
73 100

57 23.3 18.4 27.6

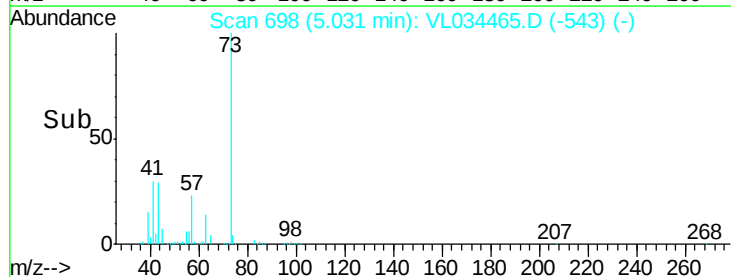


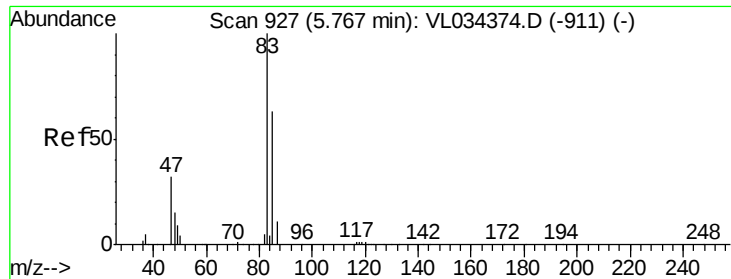
Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Time-->





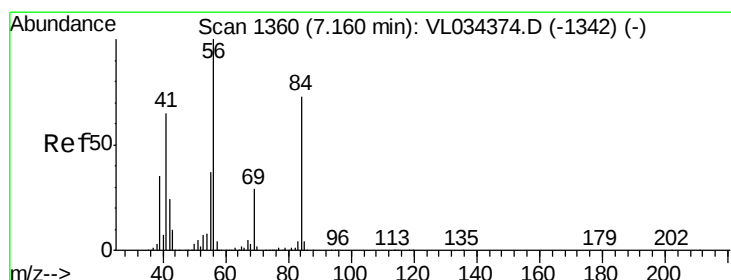
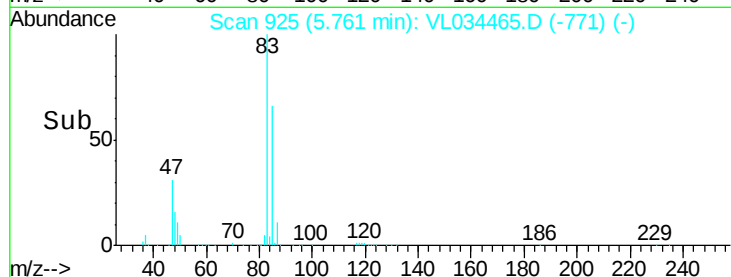
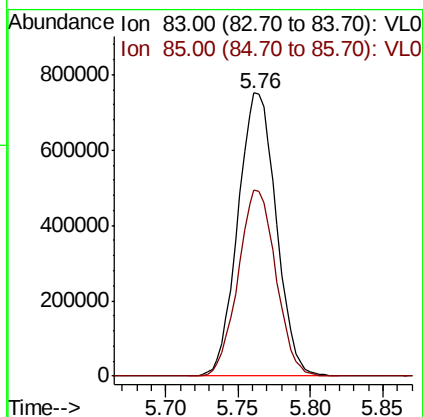
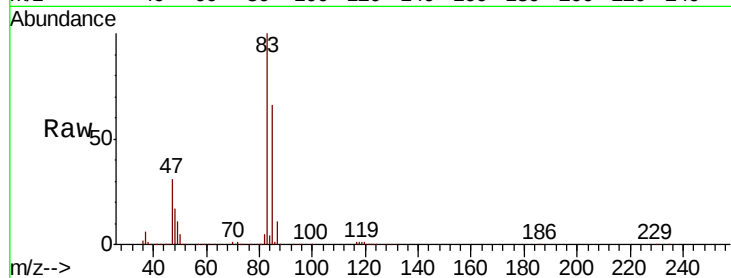
#29
Chloroform
Concen: 8.494 ppbv
RT: 5.76 min Scan# 925
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 83 Resp: 1382406
Ion Ratio Lower Upper
83 100
85 65.7 50.4 75.6

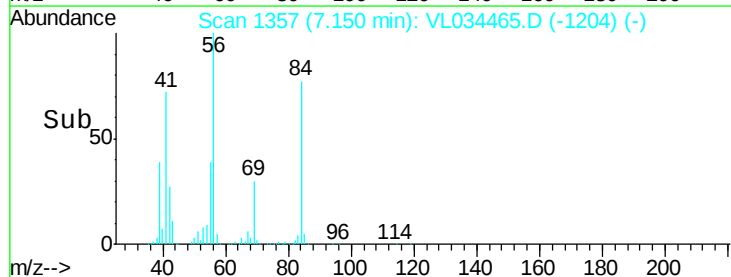
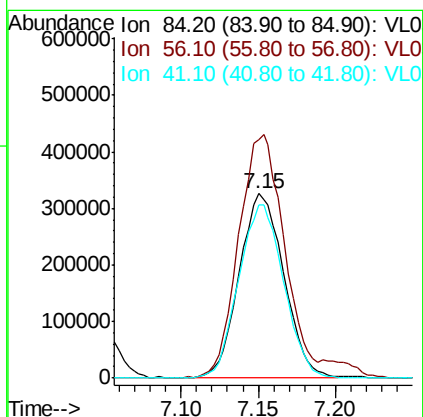
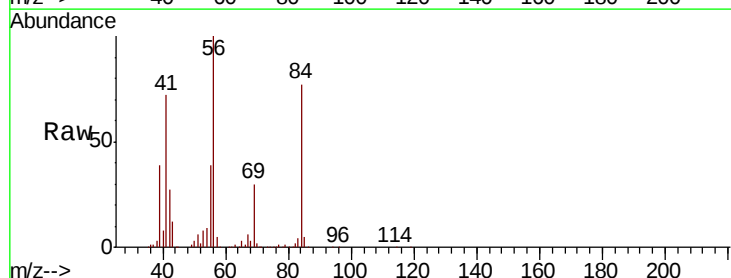
Manual Integrations
APPROVED

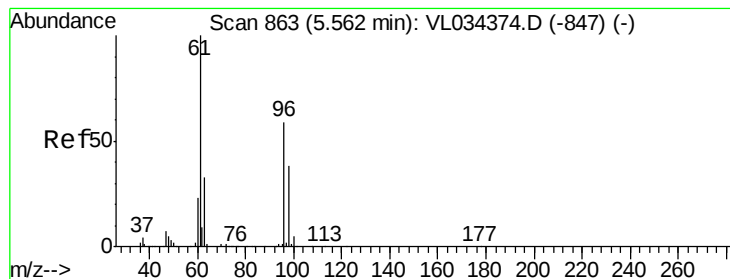
MMDadoda
12/18/2019 9:49:01 AM



#30
Cyclohexane
Concen: 8.547 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 84 Resp: 649409
Ion Ratio Lower Upper
84 100
56 142.9 112.6 169.0
41 95.9 73.4 110.2





#31

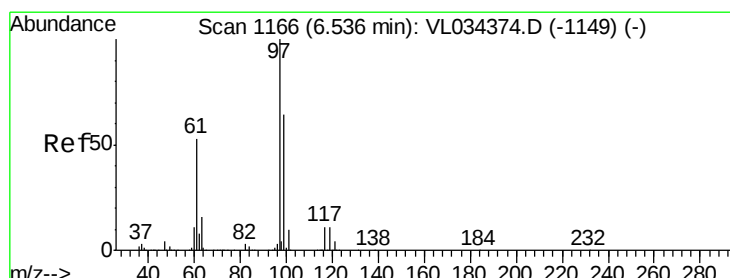
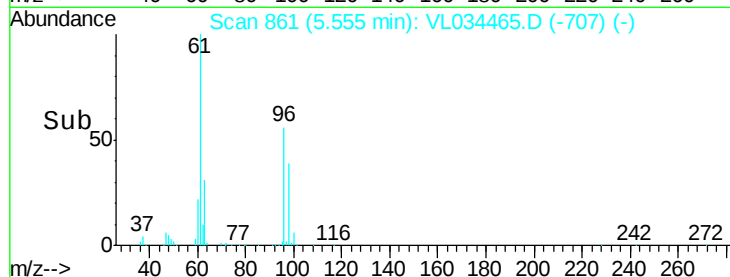
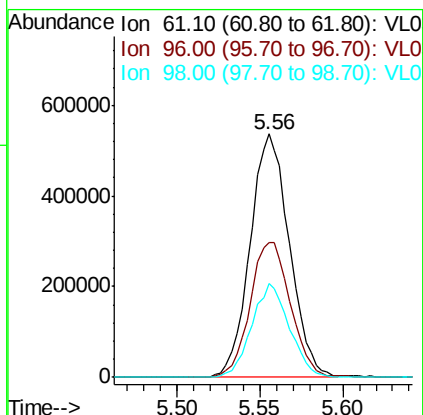
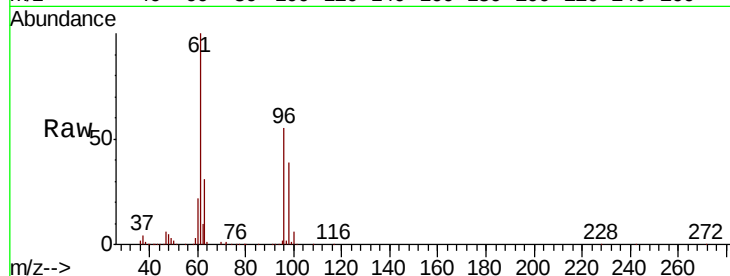
cis-1,2-Dichloroethene
Concen: 8.475 ppbv
RT: 5.56 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	55.4	47.4	71.2
98	38.7	30.6	45.8

Manual Integrations
APPROVED

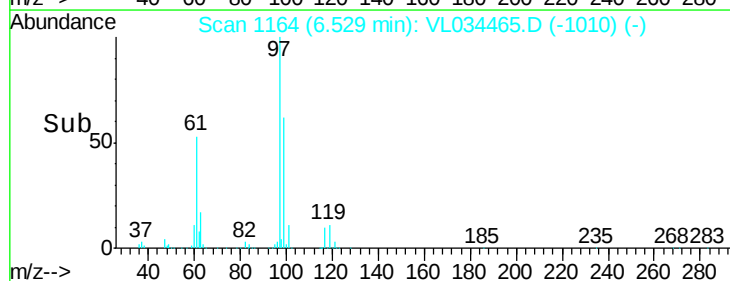
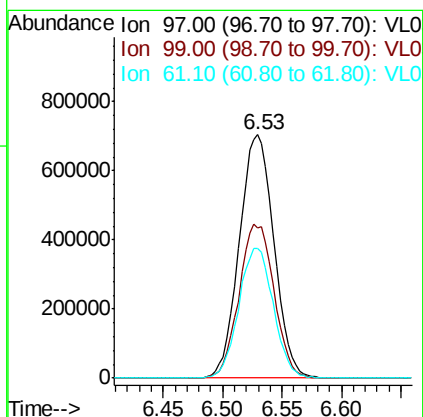
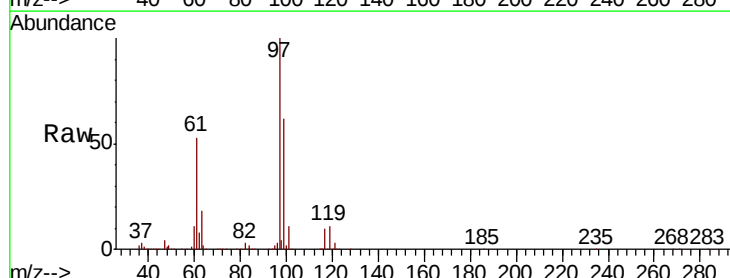
MMDadoda
12/18/2019 9:49:01 AM

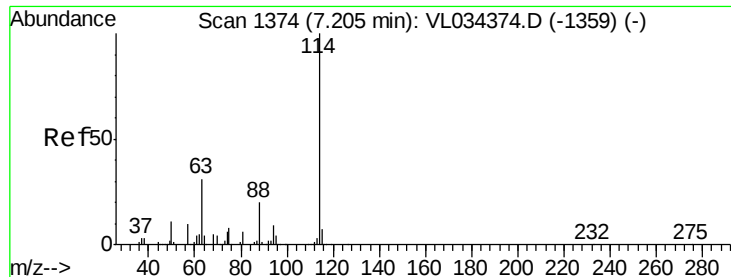


#32

1,1,1-Trichloroethane
Concen: 9.306 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.3	78.5
61	53.5	43.7	65.5





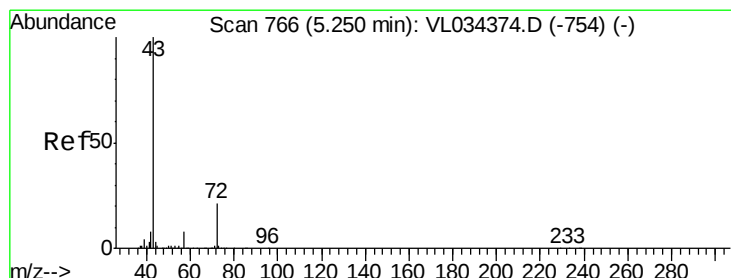
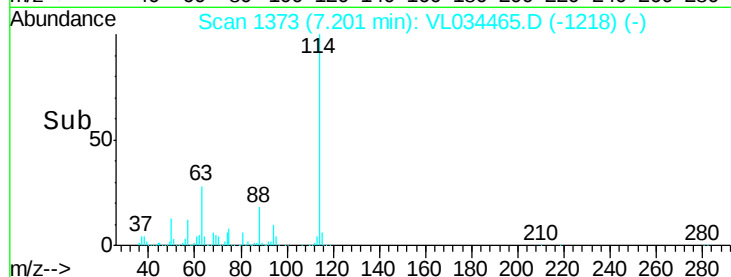
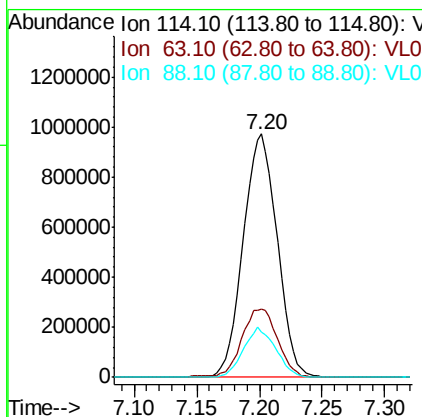
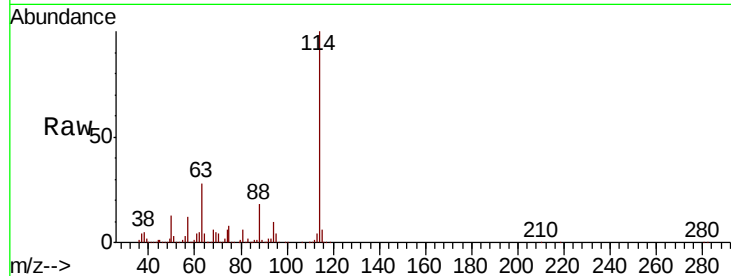
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. -0.00 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Tgt Ion: 114 Resp: 1836081
 Ion Ratio Lower Upper
 114 100
 63 30.0 24.2 36.4
 88 19.6 15.9 23.9

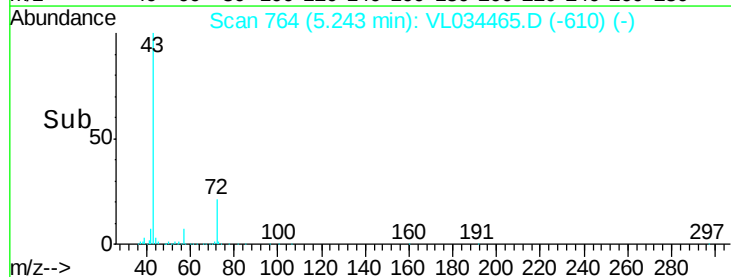
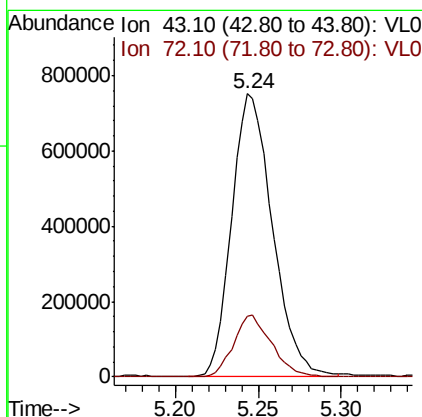
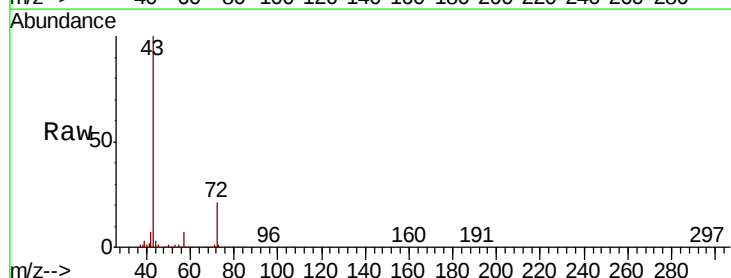
Manual Integrations
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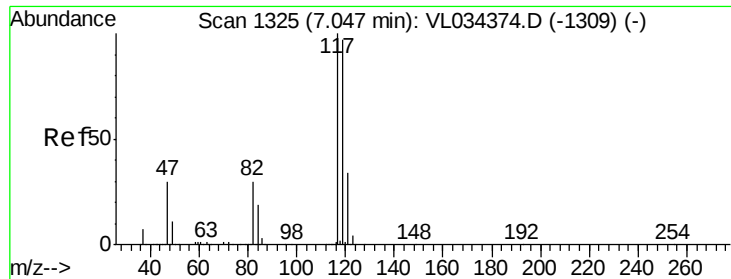
MMDadoda
 12/18/2019 9:49:01 AM



#34
 2-Butanone
 Concen: 8.476 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Tgt Ion: 43 Resp: 1281002
 Ion Ratio Lower Upper
 43 100
 72 20.6 17.0 25.6





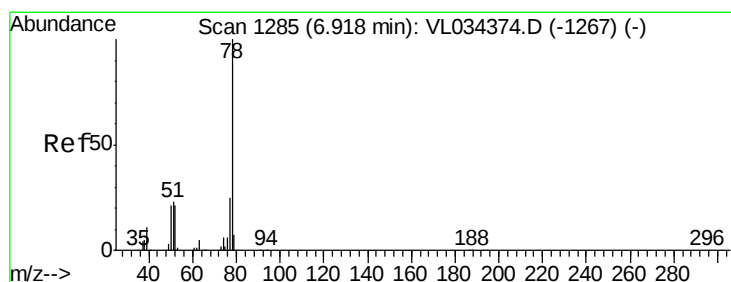
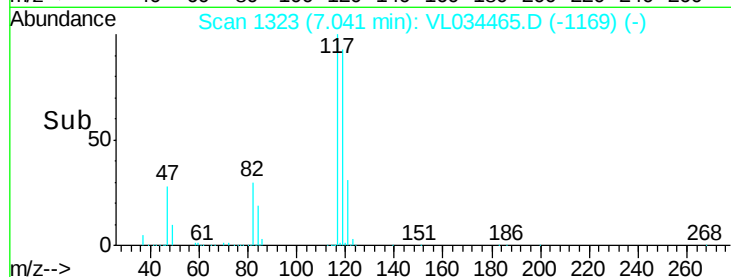
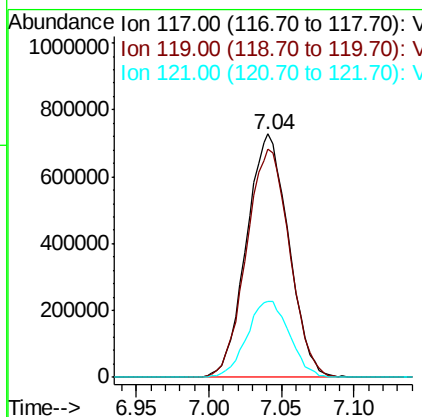
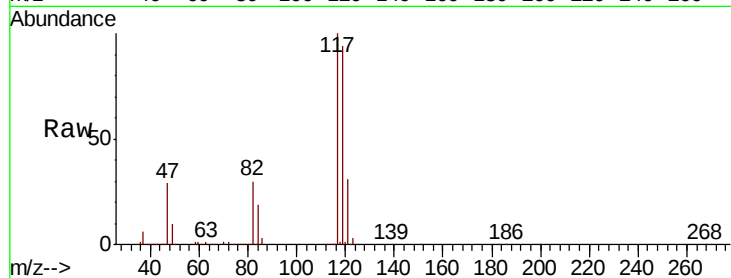
#35
Carbon Tetrachloride
Concen: 9.326 ppbv
RT: 7.04 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:117 Resp: 1472282
Ion Ratio Lower Upper
117 100
119 93.7 77.3 115.9
121 31.2 27.4 41.2

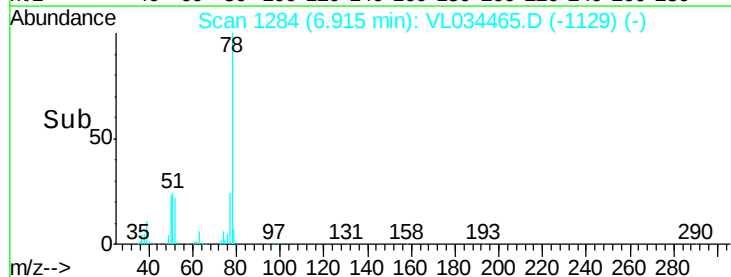
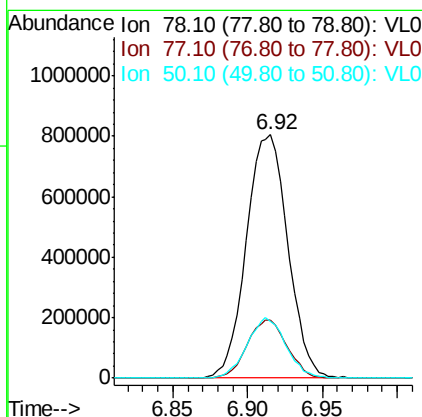
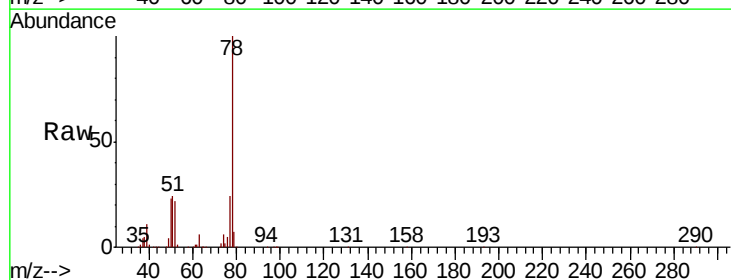
Manual Integrations
APPROVED

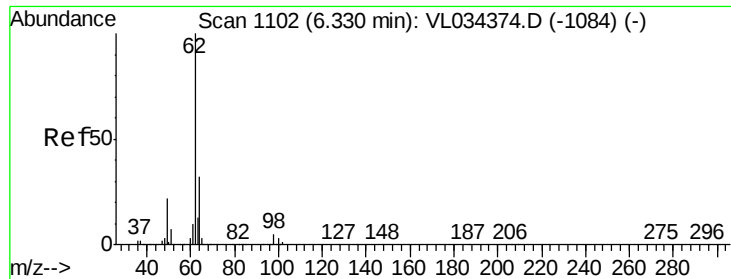
MMDadoda
12/18/2019 9:49:01 AM



#36
Benzene
Concen: 8.481 ppbv
RT: 6.92 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 78 Resp: 1556600
Ion Ratio Lower Upper
78 100
77 23.8 20.2 30.4
50 23.2 17.1 25.7





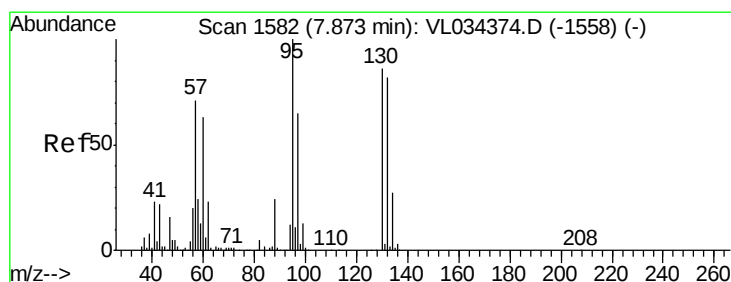
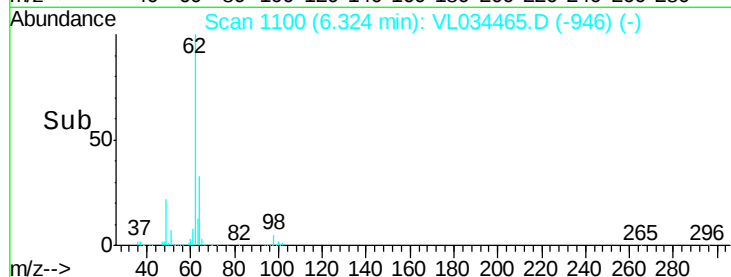
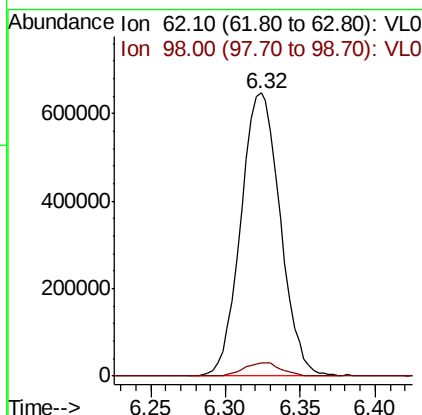
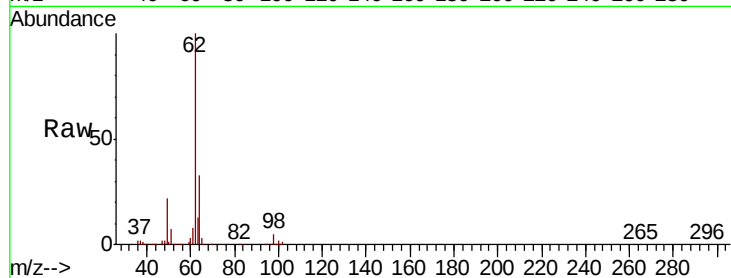
#37
 1,2-Dichloroethane
 Concen: 8.715 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Tgt Ion: 62 Resp: 1188296
 Ion Ratio Lower Upper
 62 100
 98 4.5 3.8 5.8

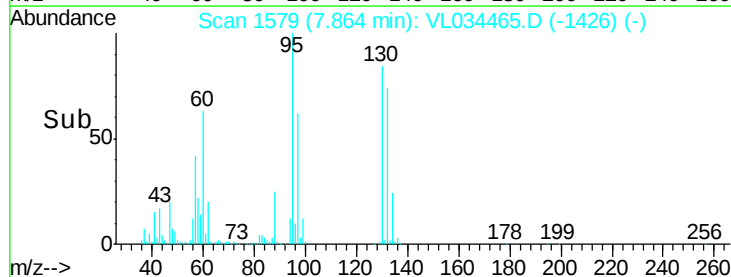
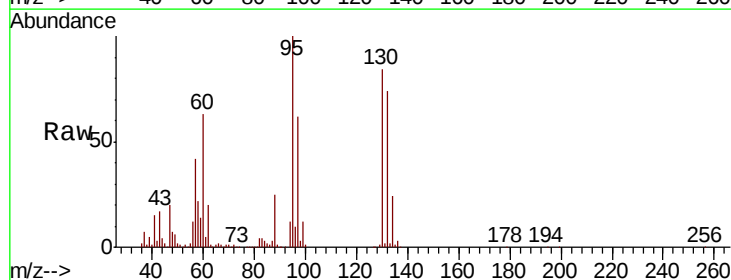
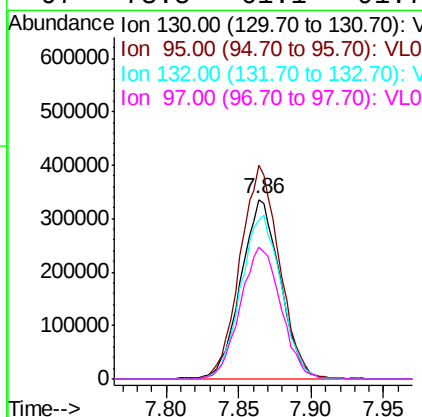
Manual Integrations
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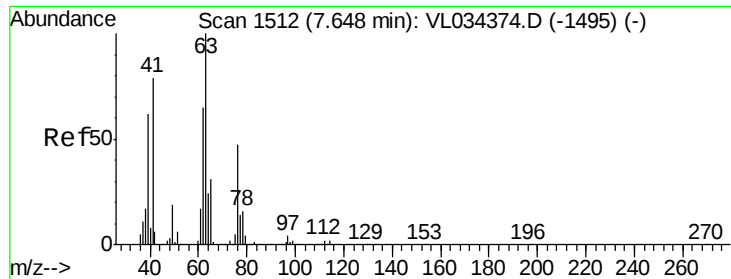
MMDadoda
 12/18/2019 9:49:01 AM



#38
 Trichloroethene
 Concen: 8.322 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Tgt Ion: 130 Resp: 626829
 Ion Ratio Lower Upper
 130 100
 95 119.2 93.4 140.0
 132 88.8 76.4 114.6
 97 73.5 61.1 91.7





#39

1,2-Dichloropropane

Concen: 9.200 ppbv

RT: 7.64 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Instrument :

MSVOA_L

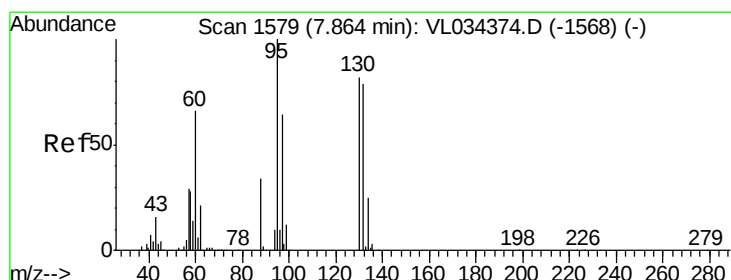
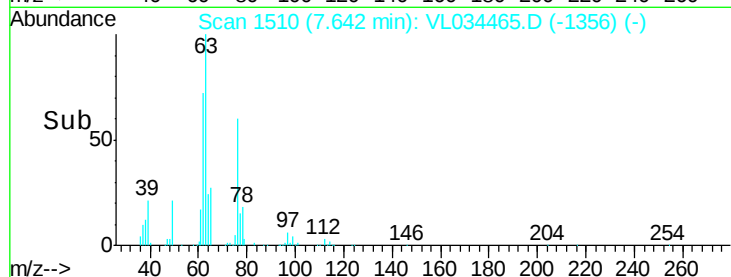
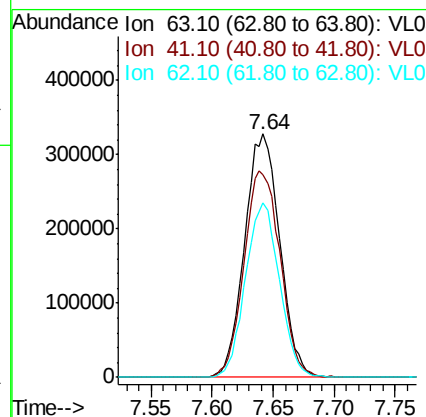
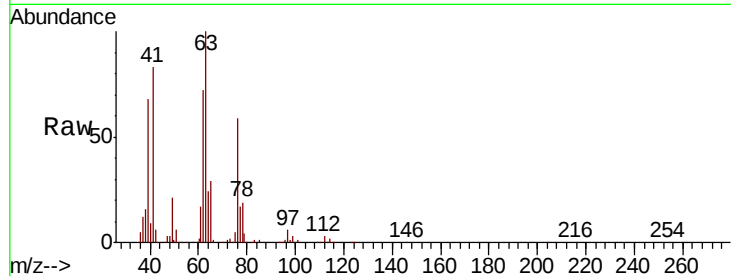
ClientSampleId :

VL1209ABS01

Tgt Ion:	63	Resp:	650524
Ion	Ratio	Lower	Upper
63	100		
41	83.3	63.1	94.7
62	71.6	52.3	78.5

Manual Integrations
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MMDadoda
12/18/2019 9:49:01 AM



#40

1,4-Dioxane

Concen: 8.069 ppbv

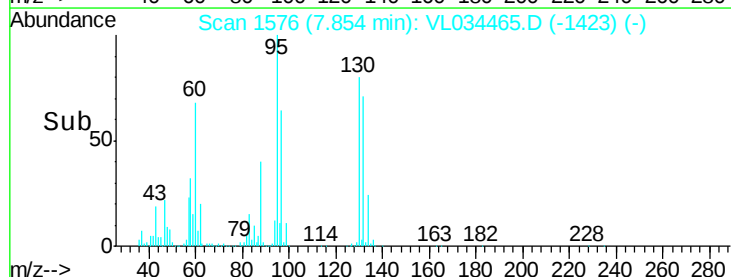
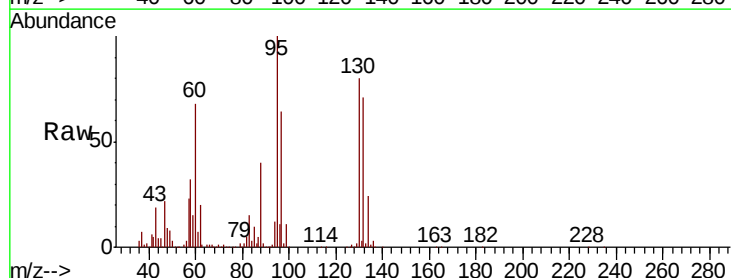
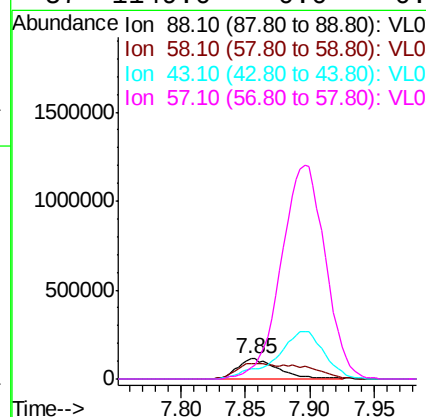
RT: 7.85 min Scan# 1576

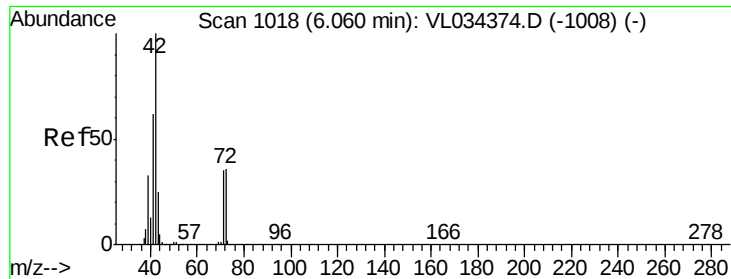
Delta R.T. -0.01 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Tgt Ion:	88	Resp:	249241
Ion	Ratio	Lower	Upper
88	100		
58	136.8	109.5	164.3
43	278.0	0.0	0.0#
57	1149.0	0.0	0.0#





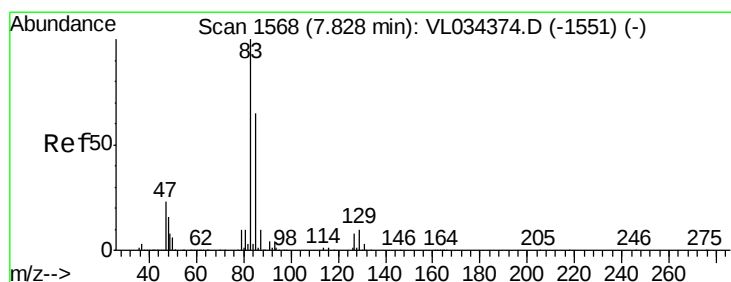
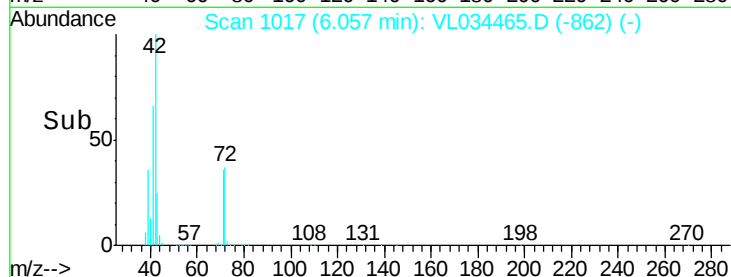
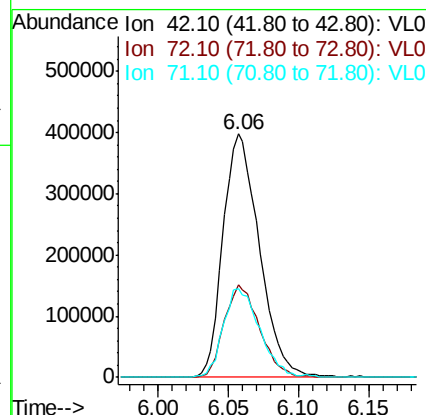
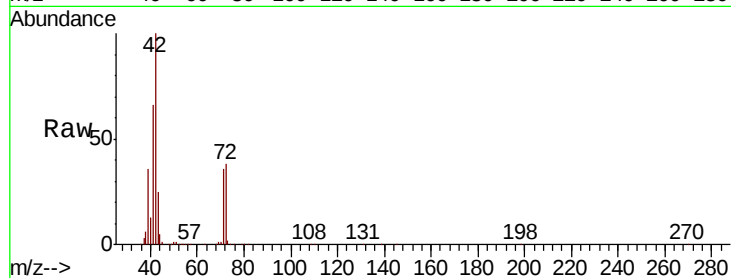
#41
Tetrahydrofuran
Concen: 8.371 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.2	30.2	45.4
71	37.1	29.4	44.2

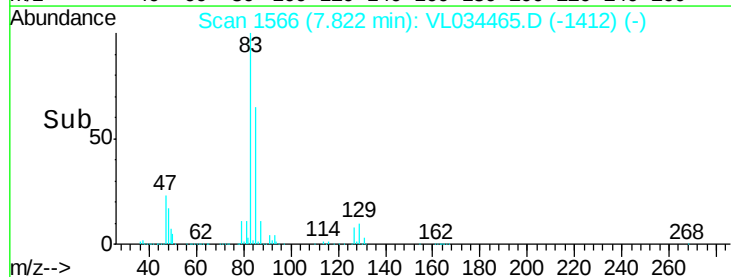
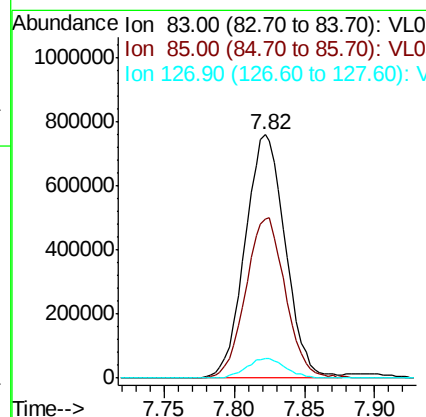
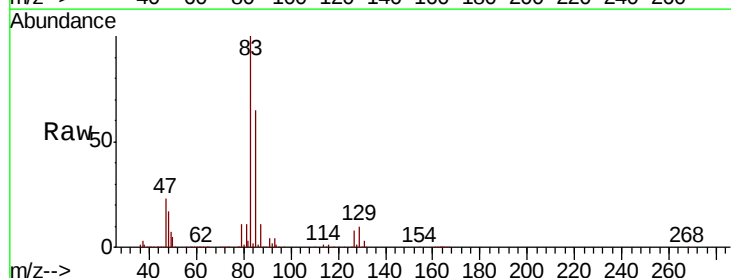
Manual Integrations
APPROVED

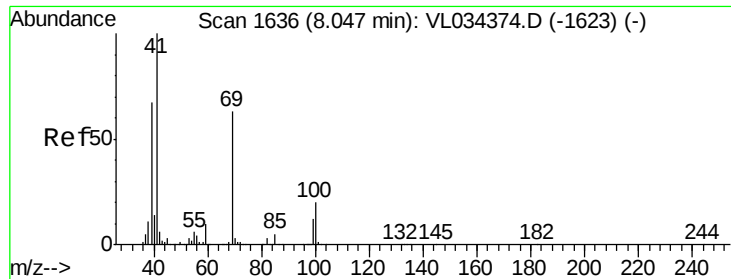
MMDadoda
12/18/2019 9:49:01 AM



#42
Bromodichloromethane
Concen: 8.884 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.3	78.5
127	8.2	6.1	9.1





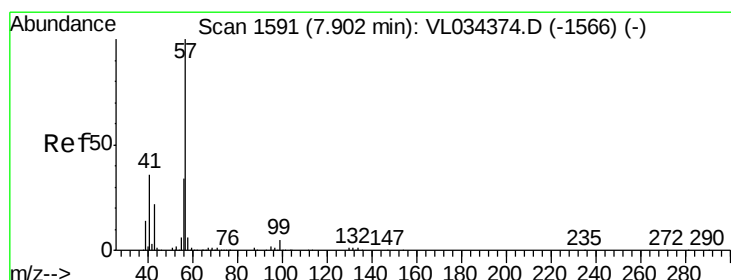
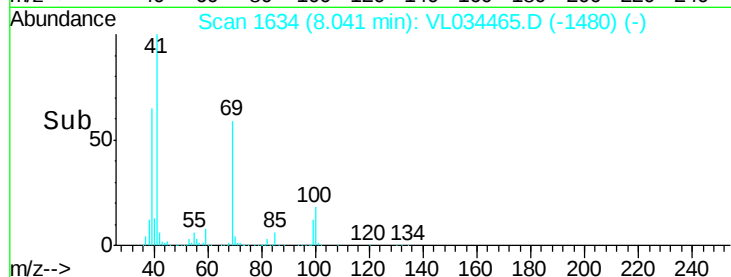
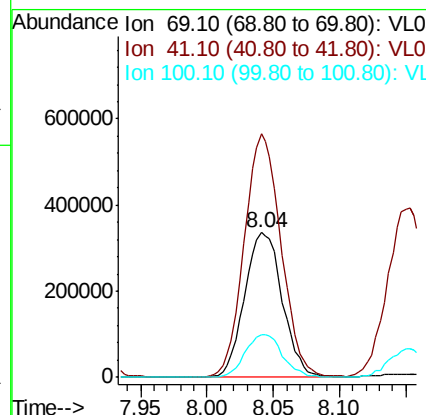
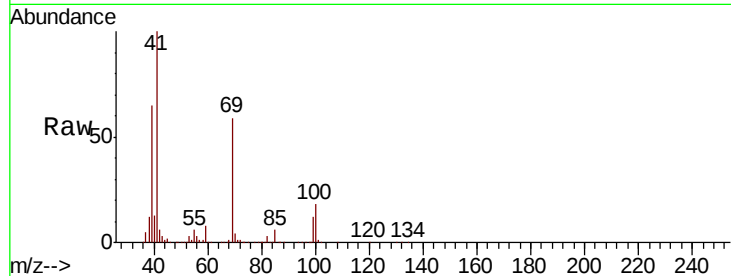
#43
Methyl Methacrylate
Concen: 8.729 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	163.2	127.4	191.2
100	29.4	24.2	36.4

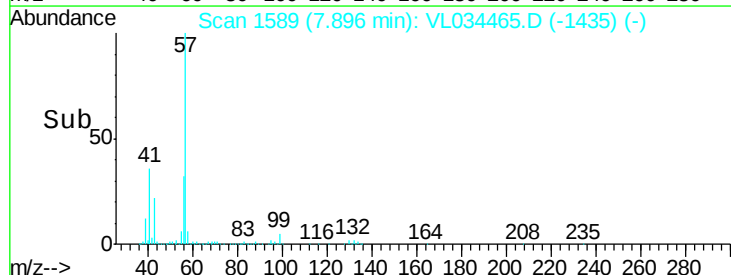
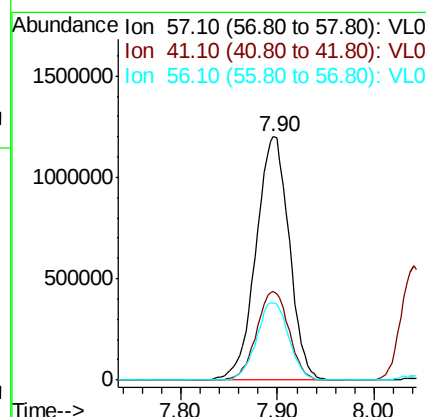
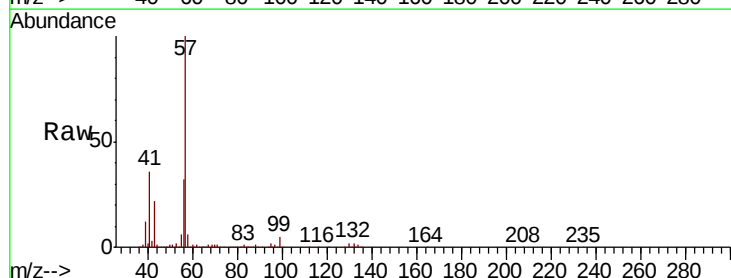
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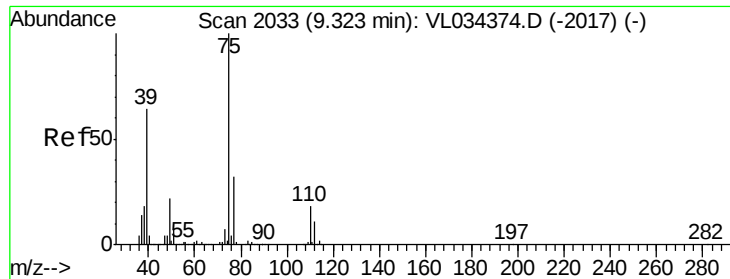
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#44
2,2,4-Trimethylpentane
Concen: 8.530 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.6	28.6	42.8
56	30.9	25.3	37.9





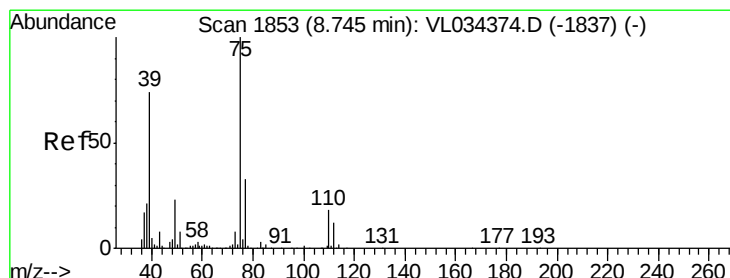
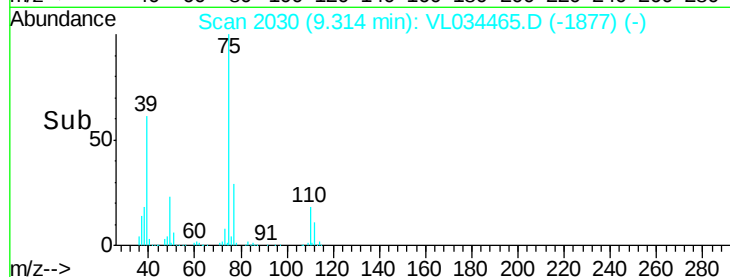
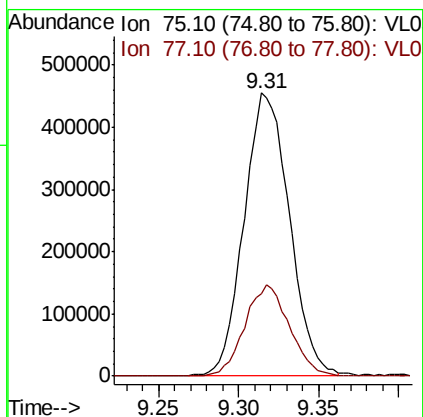
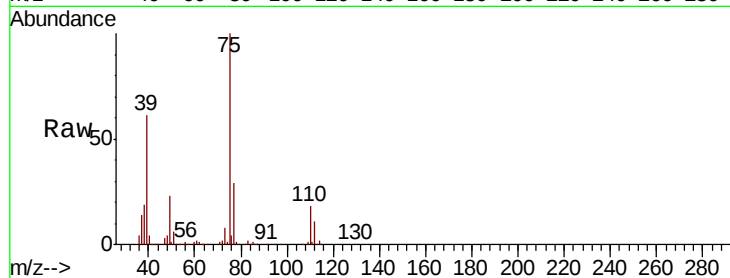
#45
t-1,3-Dichloropropene
Concen: 9.037 ppbv
RT: 9.31 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 75 Resp: 882300
Ion Ratio Lower Upper
75 100
77 29.2 25.4 38.2

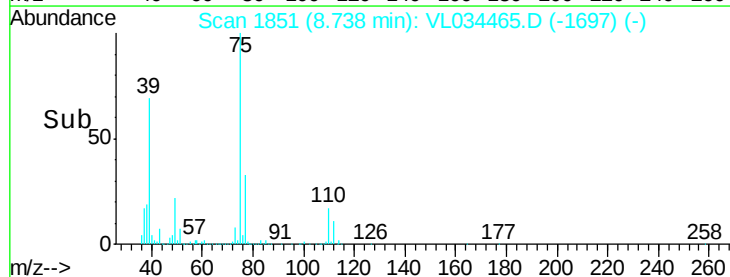
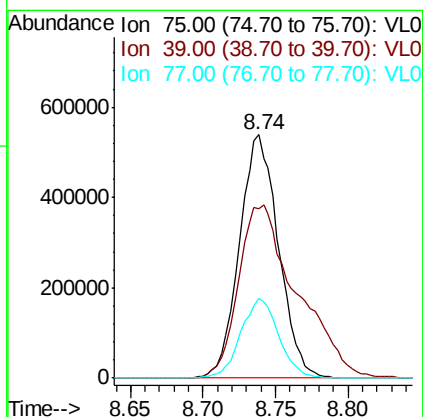
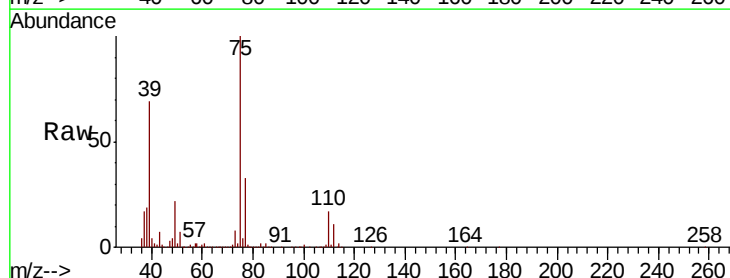
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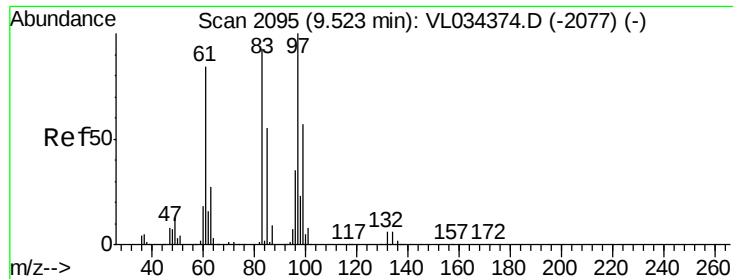
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#46
cis-1,3-Dichloropropene
Concen: 9.208 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 75 Resp: 1009760
Ion Ratio Lower Upper
75 100
39 69.3 59.0 88.6
77 32.9 26.4 39.6





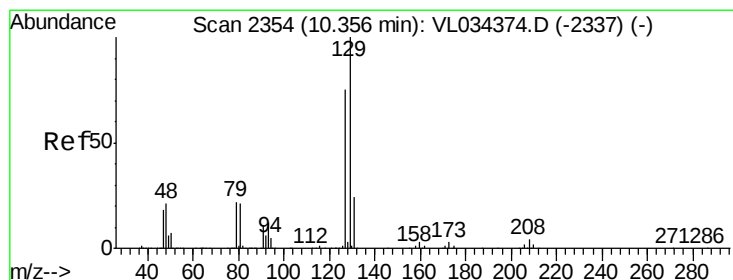
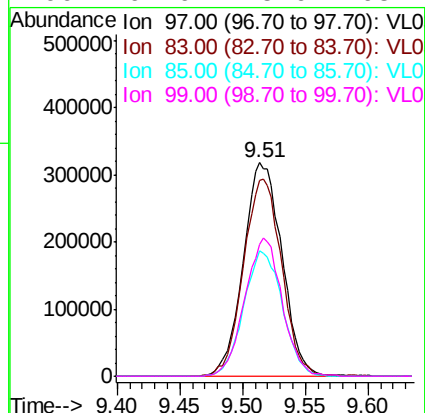
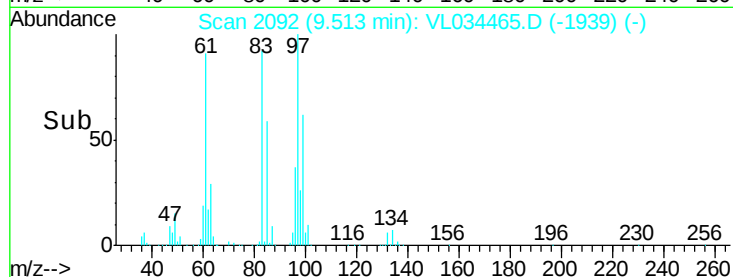
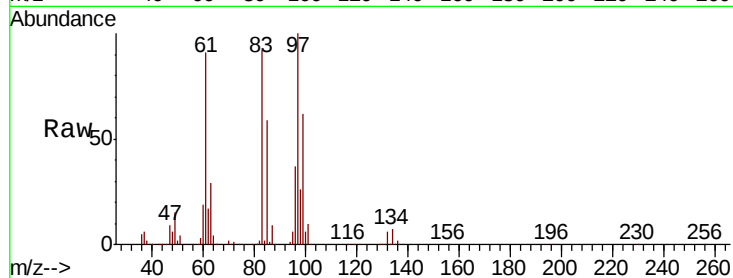
#47
 1,1,2-Trichloroethane
 Concen: 8.626 ppbv
 RT: 9.51 min Scan# 2092
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.7	74.6	112.0
85	58.7	43.8	65.8
99	61.6	45.6	68.4

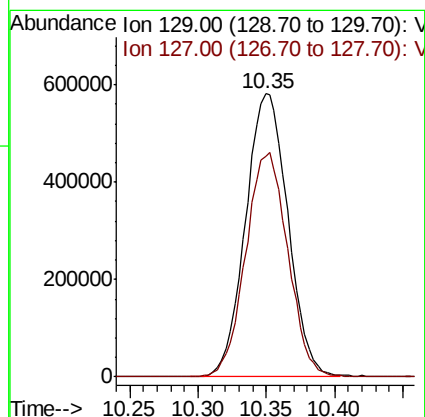
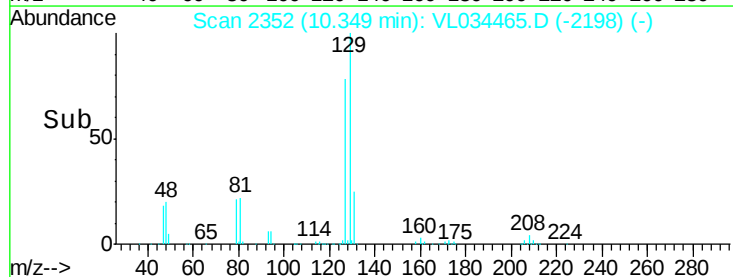
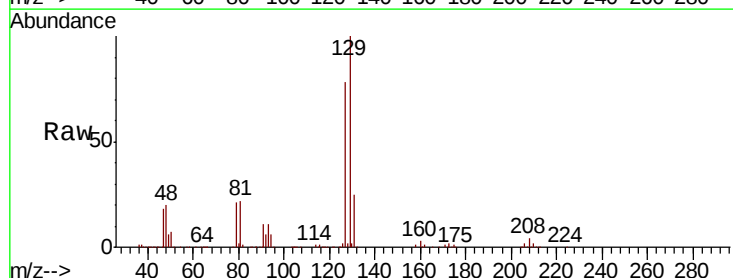
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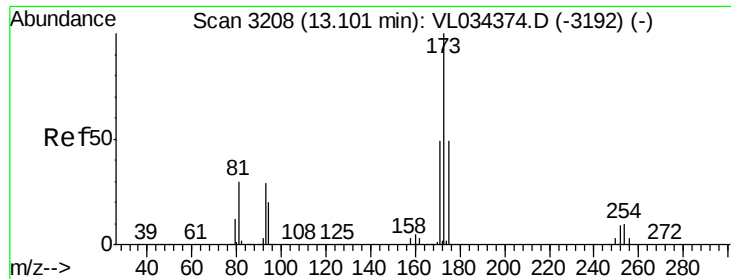
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#48
 Dibromochloromethane
 Concen: 9.278 ppbv
 RT: 10.35 min Scan# 2352
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.1	117.5





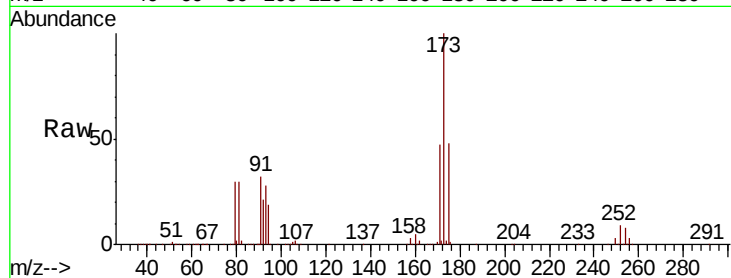
#49
Bromoform
Concen: 9.330 ppbv
RT: 13.10 min Scan# 3206
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

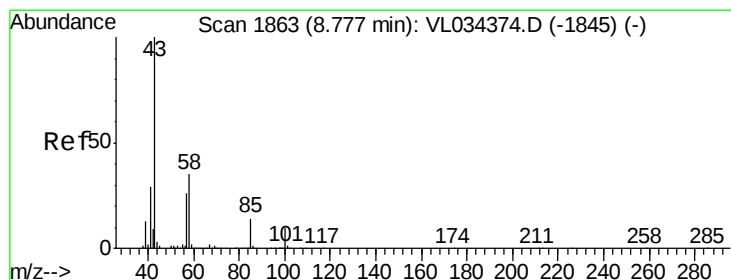
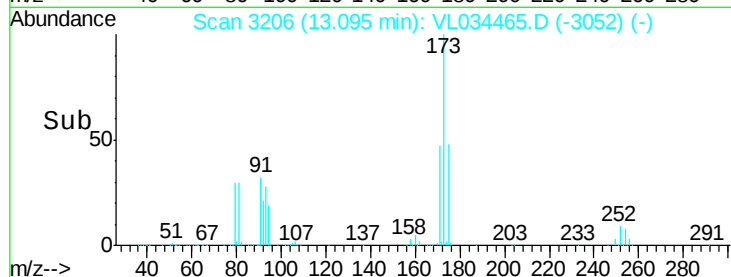
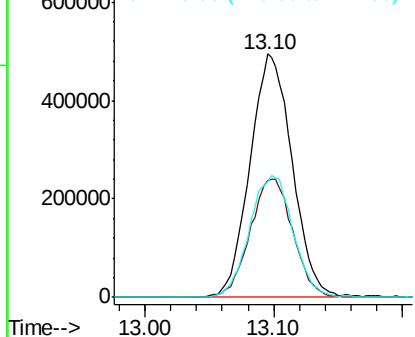
Tgt Ion: 173 Resp: 1124863
Ion Ratio Lower Upper
173 100
175 49.5 39.3 58.9
171 51.9 42.4 63.6

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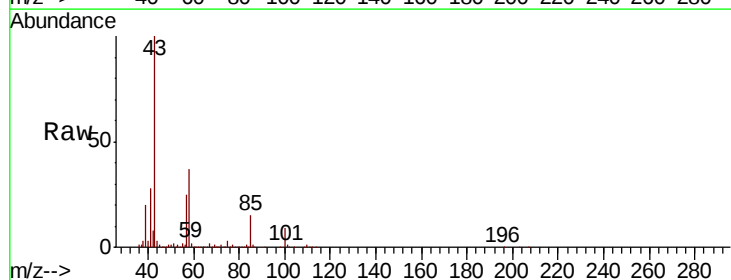


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

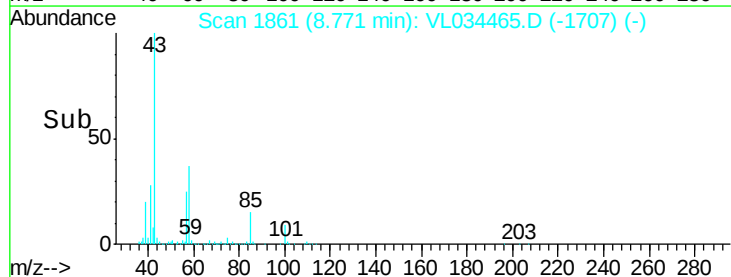
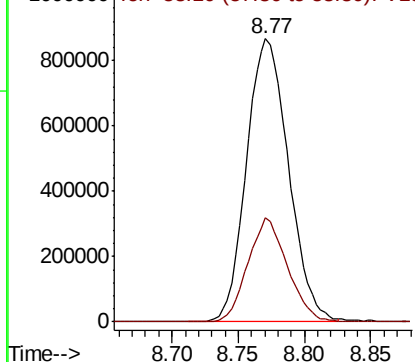


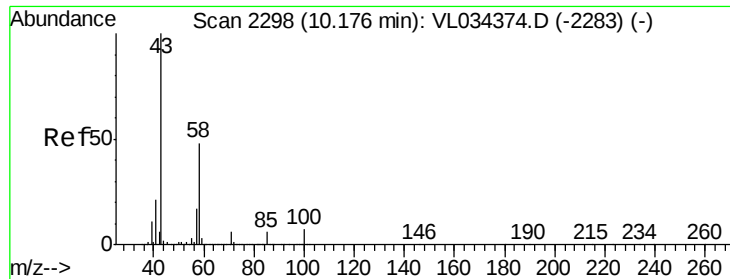
#50
4-Methyl-2-Pentanone
Concen: 8.733 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 43 Resp: 1909612
Ion Ratio Lower Upper
43 100
58 34.6 27.9 41.9



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





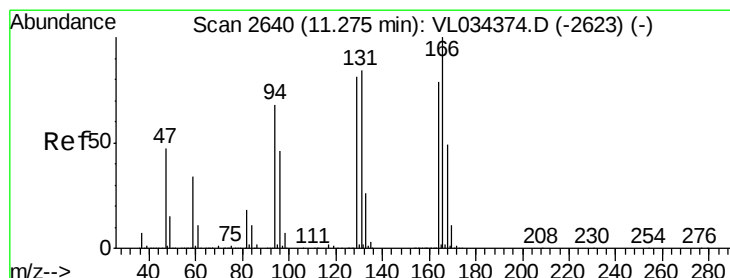
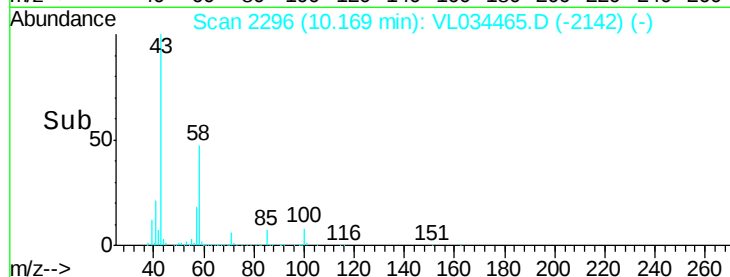
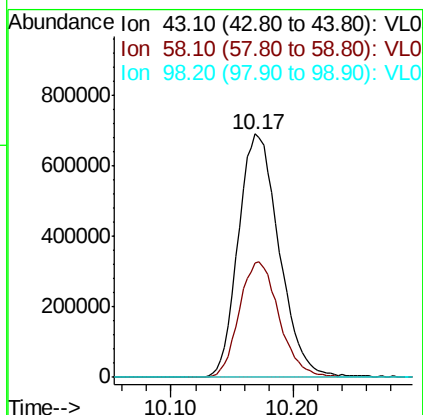
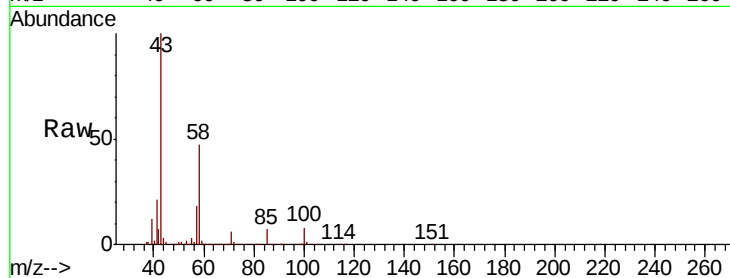
#51
2-Hexanone
Concen: 8.700 ppbv
RT: 10.17 min Scan# 2296
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 43 Resp: 1593504
Ion Ratio Lower Upper
43 100
58 46.5 38.2 57.4
98 0.2 0.2 0.2

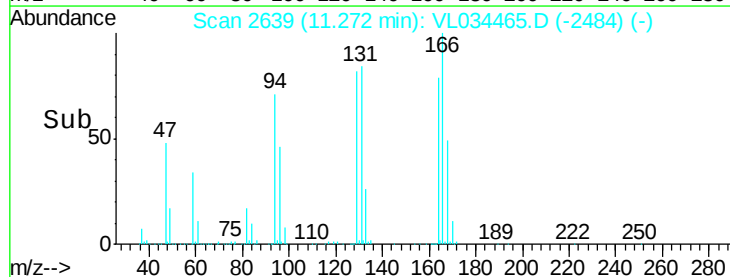
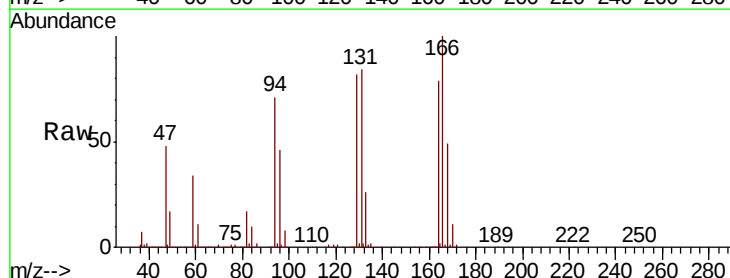
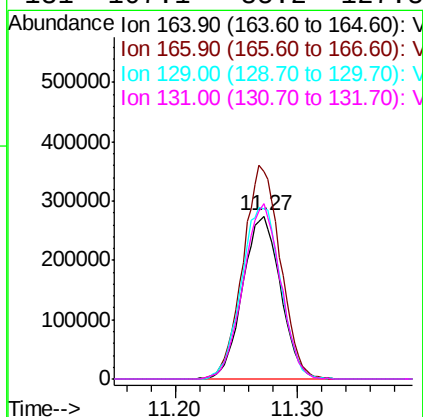
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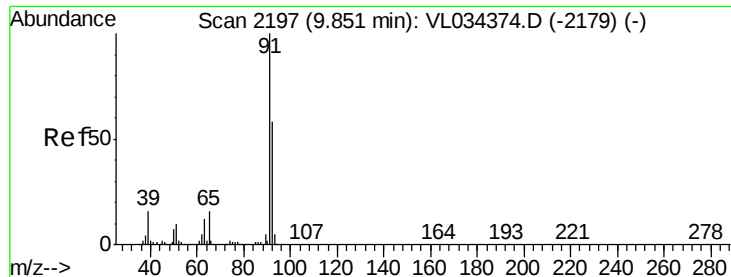
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#52
Tetrachloroethene
Concen: 7.368 ppbv
RT: 11.27 min Scan# 2639
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 164 Resp: 585139
Ion Ratio Lower Upper
164 100
166 126.9 101.7 152.5
129 103.9 82.6 123.8
131 107.1 85.2 127.8





#53

Toluene

Concen: 8.621 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Instrument :

MSVOA_L

ClientSampleId :

VL1209ABS01

Tgt Ion: 91 Resp: 1797278

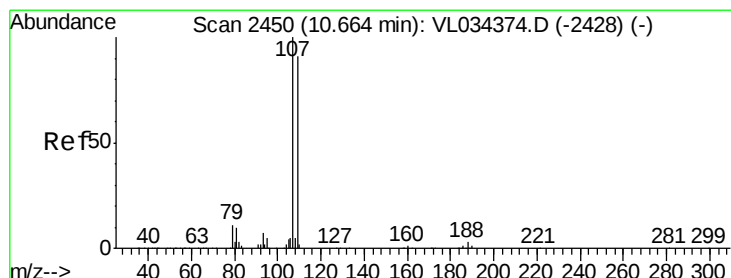
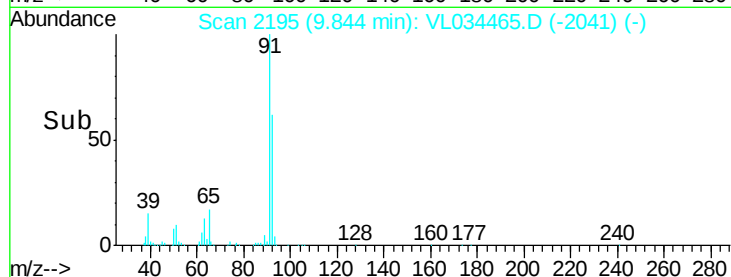
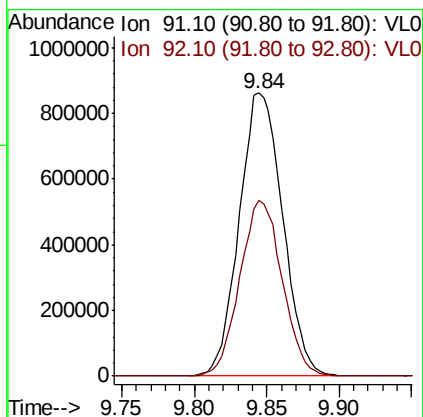
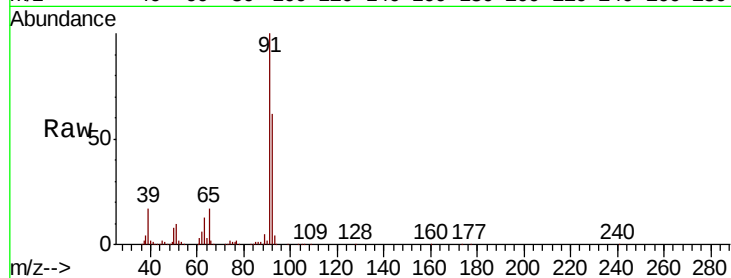
Ion Ratio Lower Upper

91 100

92 60.6 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 8.859 ppbv

RT: 10.65 min Scan# 2447

Delta R.T. -0.01 min

Lab File: VL034465.D

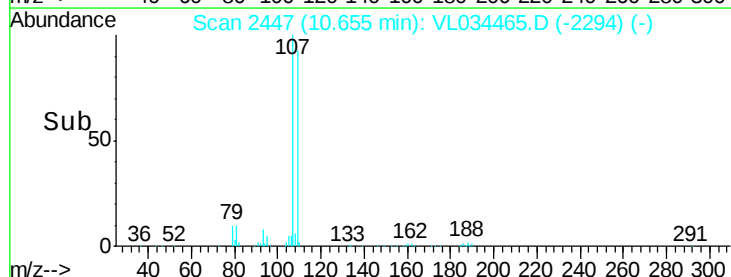
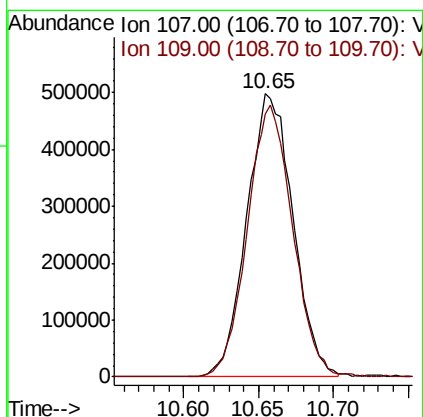
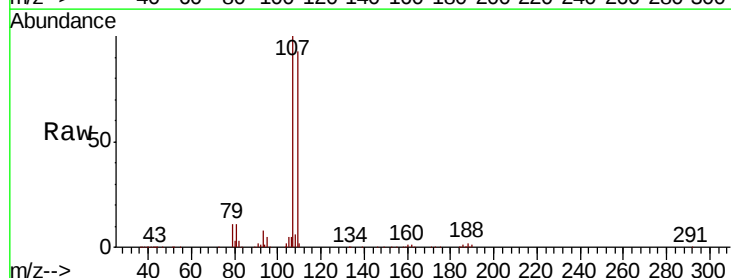
Acq: 9 Dec 2019 14:48

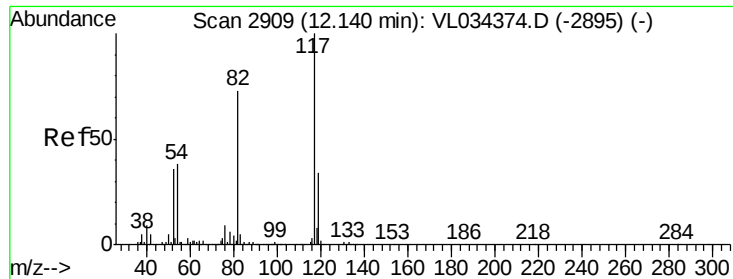
Tgt Ion: 107 Resp: 1068382

Ion Ratio Lower Upper

107 100

109 92.7 73.0 109.4





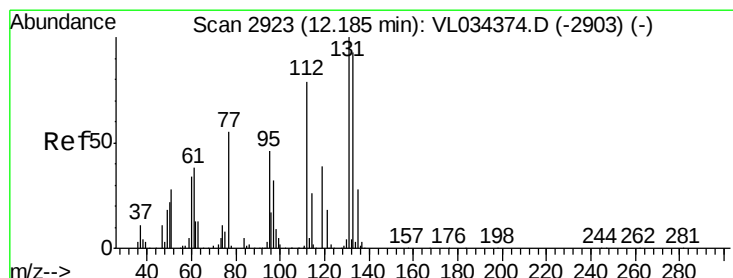
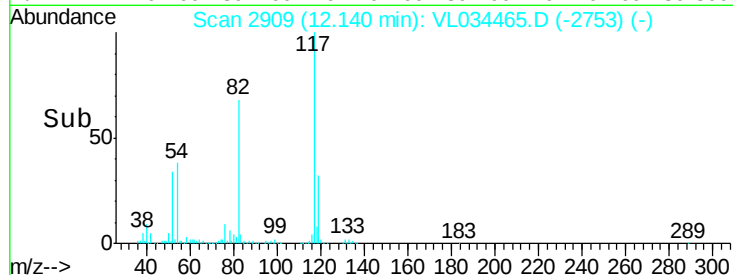
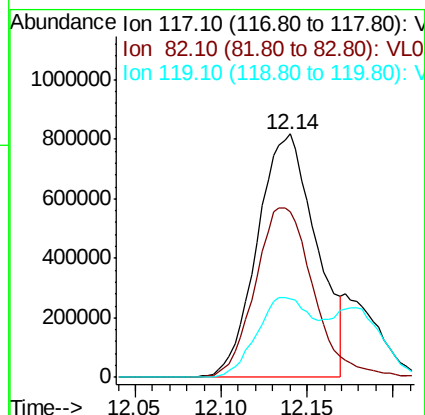
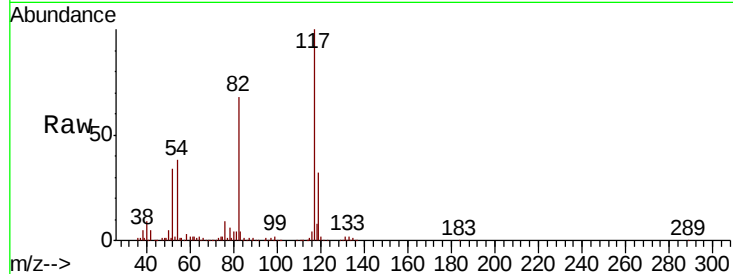
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:117 Resp: 1942566
Ion Ratio Lower Upper
117 100
82 69.3 57.5 86.3
119 30.3 25.4 38.2

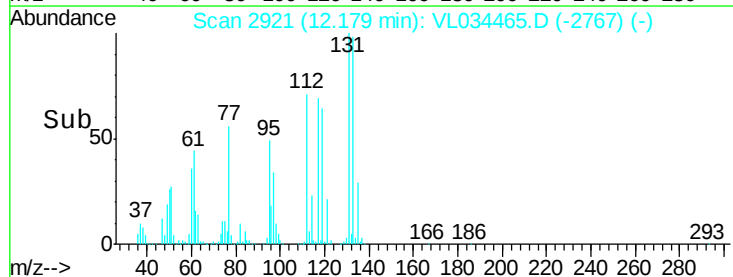
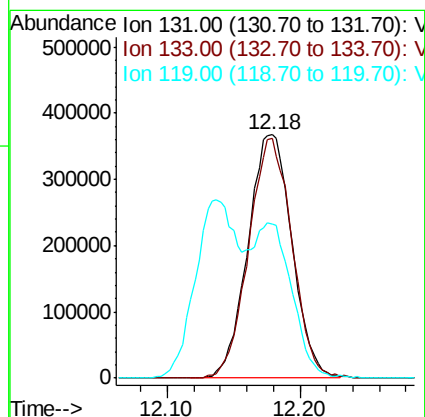
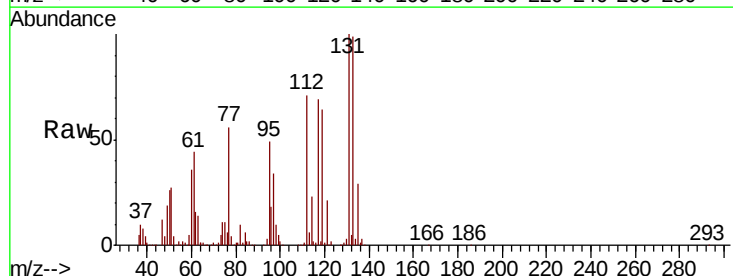
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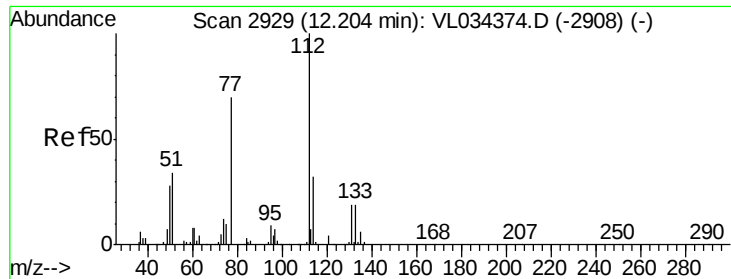
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.927 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:131 Resp: 848254
Ion Ratio Lower Upper
131 100
133 97.1 76.2 114.2
119 61.4 44.6 67.0





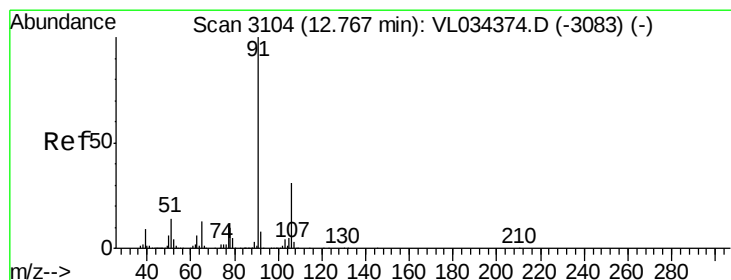
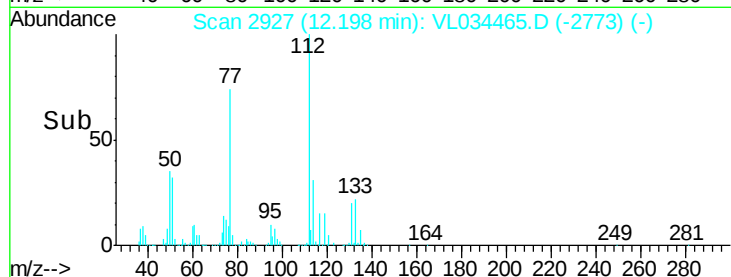
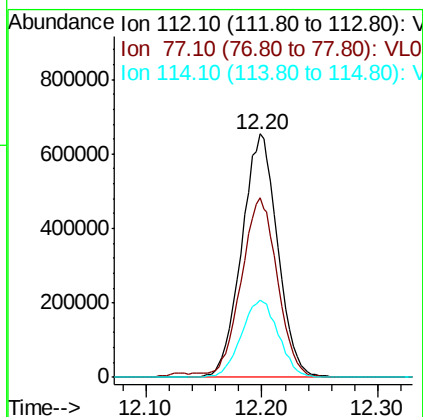
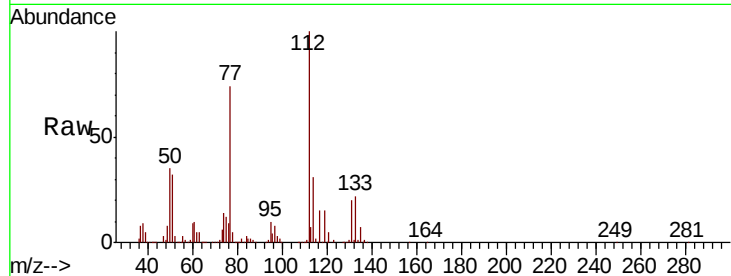
#57
Chlorobenzene
Concen: 8.008 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 112 Resp: 1406264
Ion Ratio Lower Upper
112 100
77 73.3 57.1 85.7
114 31.4 28.5 34.9

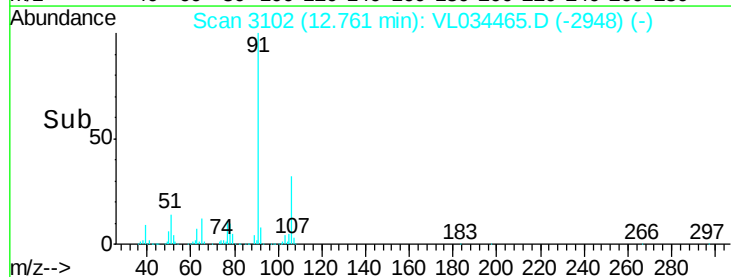
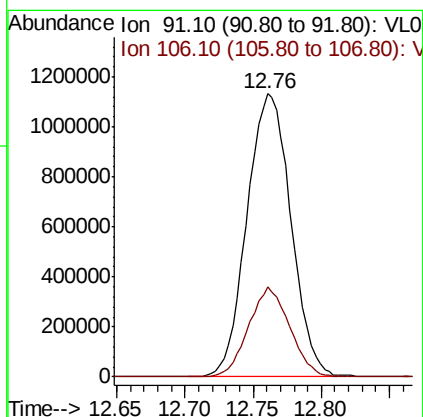
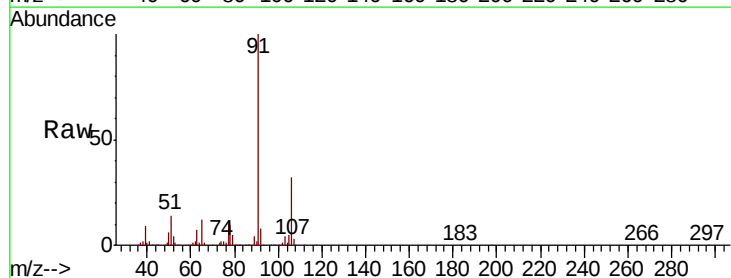
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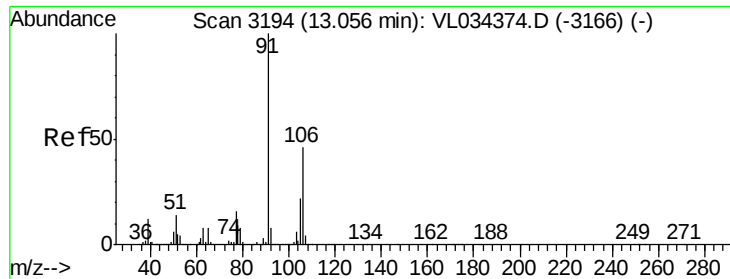
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#58
Ethyl Benzene
Concen: 8.413 ppbv
RT: 12.76 min Scan# 3102
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 91 Resp: 2536071
Ion Ratio Lower Upper
91 100
106 31.8 24.8 37.2





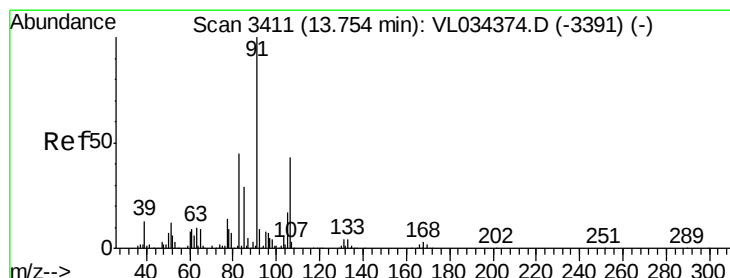
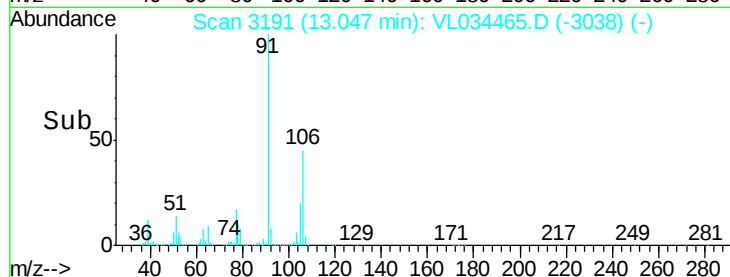
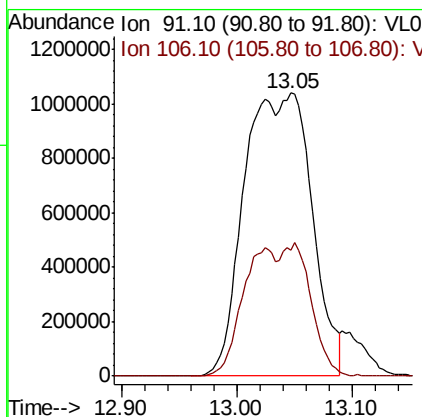
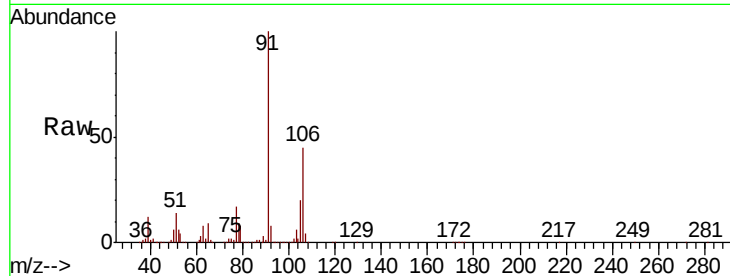
#59
m/p-Xylene
Concen: 16.211 ppbv m
RT: 13.05 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 91 Resp: 4224384
Ion Ratio Lower Upper
91 100
106 44.3 34.6 51.8

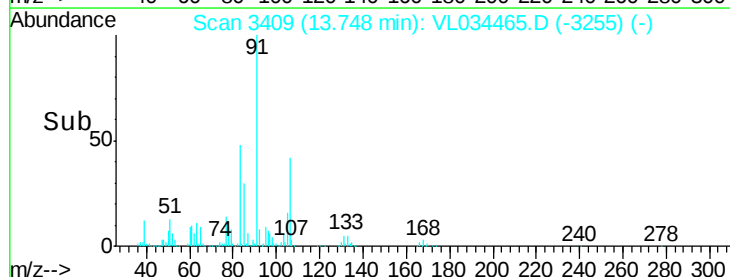
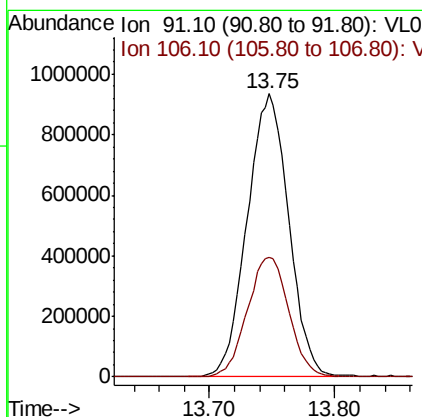
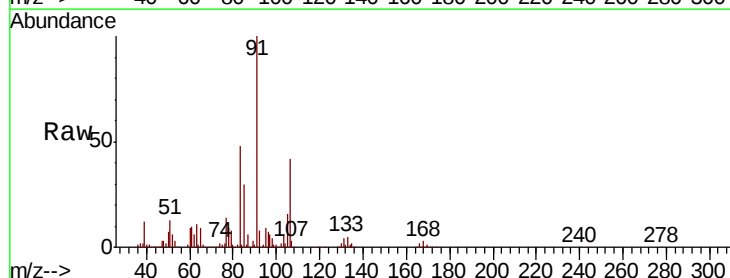
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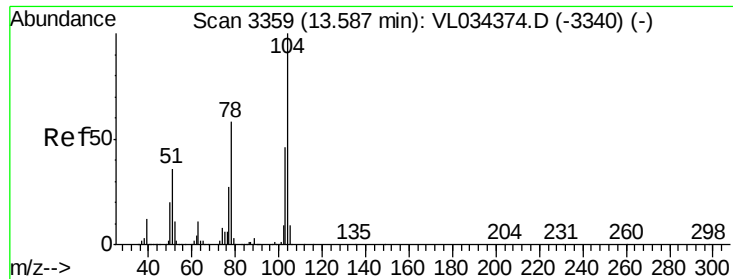
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#60
o-Xylene
Concen: 8.350 ppbv
RT: 13.75 min Scan# 3409
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 91 Resp: 2151401
Ion Ratio Lower Upper
91 100
106 42.5 21.3 64.0





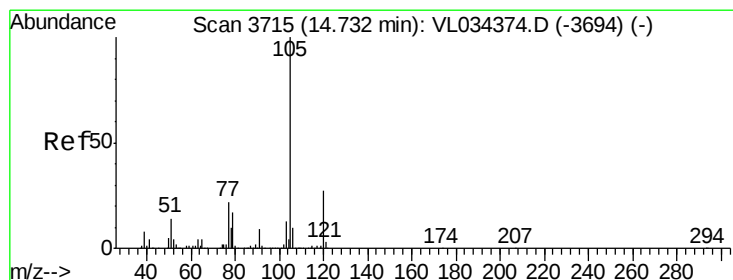
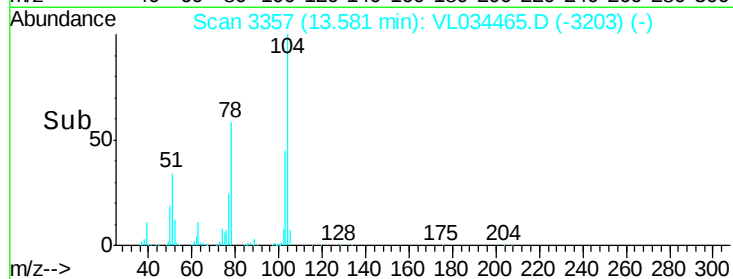
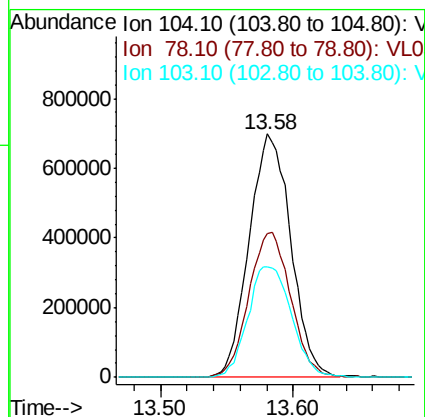
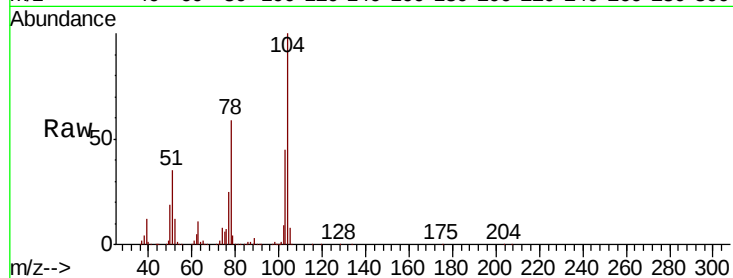
#61
Styrene
Concen: 8.220 ppbv
RT: 13.58 min Scan# 3357
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:104 Resp: 1527349
Ion Ratio Lower Upper
104 100
78 60.1 47.6 71.4
103 47.9 38.6 57.8

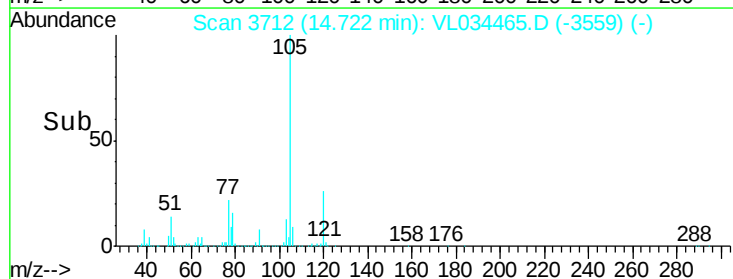
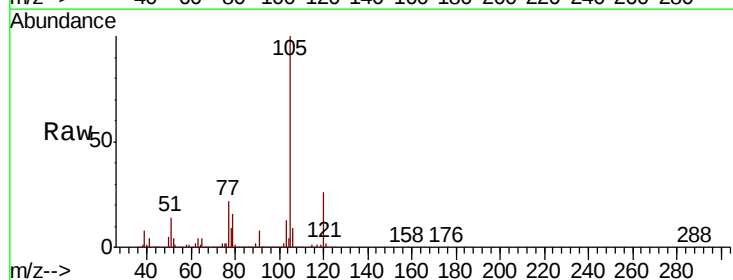
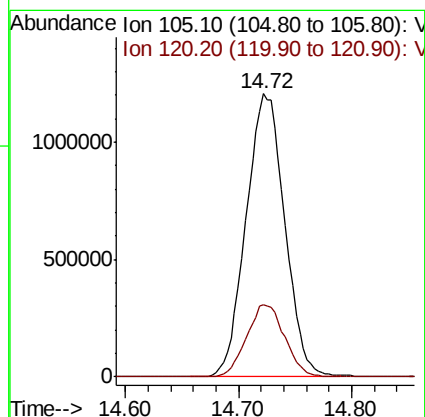
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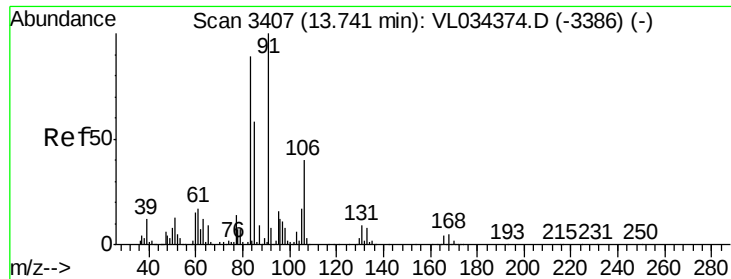
MMDadoda
12/18/2019 9:49:01 AM



#62
Isopropylbenzene
Concen: 8.411 ppbv
RT: 14.72 min Scan# 3712
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:105 Resp: 2866182
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.4





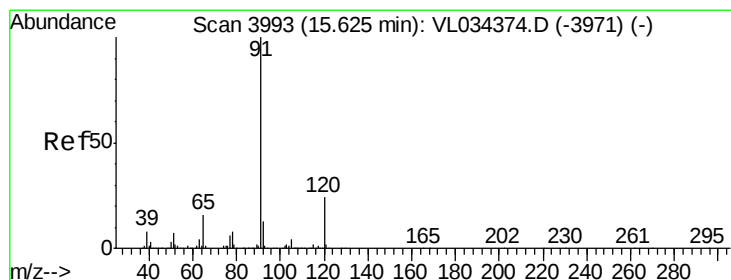
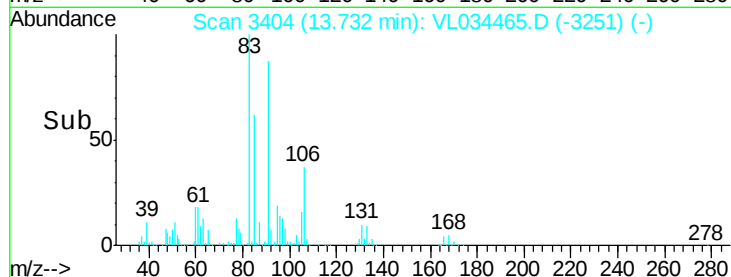
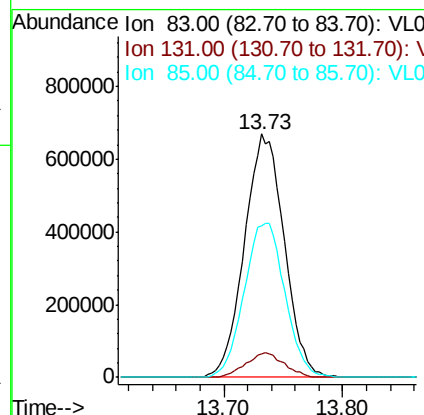
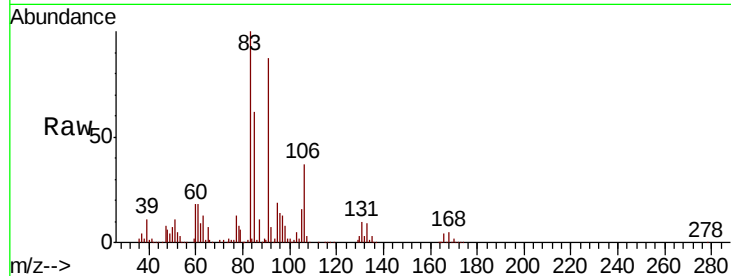
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.995 ppbv
 RT: 13.73 min Scan# 3404
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Tgt Ion: 83 Resp: 1548442
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.9 14.7
 85 64.9 32.6 97.8

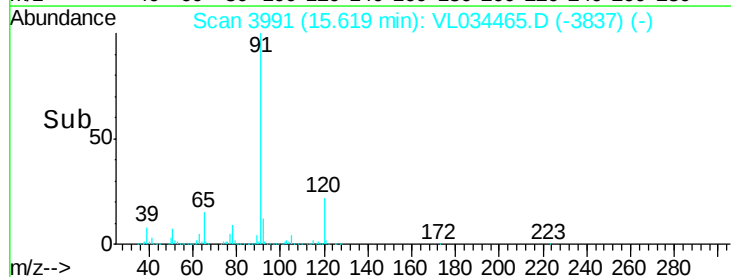
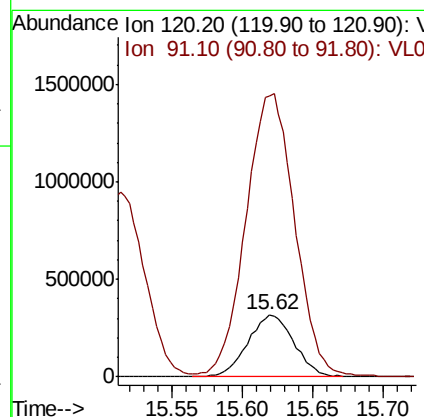
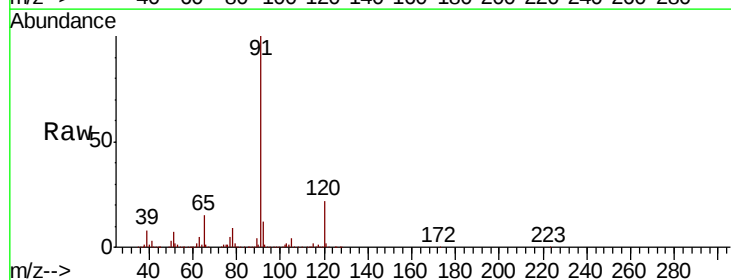
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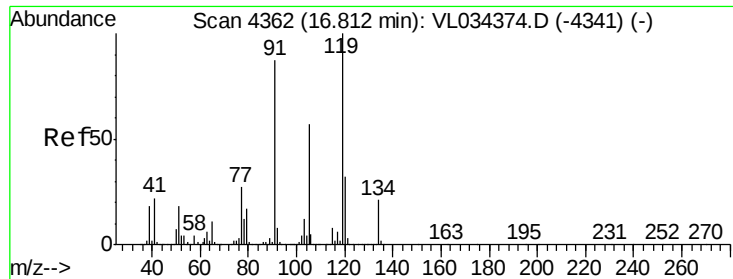
MMDadoda
 12/18/2019 9:49:01 AM



#64
 n-propylbenzene
 Concen: 8.218 ppbv
 RT: 15.62 min Scan# 3991
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Tgt Ion: 120 Resp: 727258
 Ion Ratio Lower Upper
 120 100
 91 486.6 370.9 556.3





#65

tert-Butylbenzene

Concen: 8.399 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. -0.01 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Instrument :

MSVOA_L

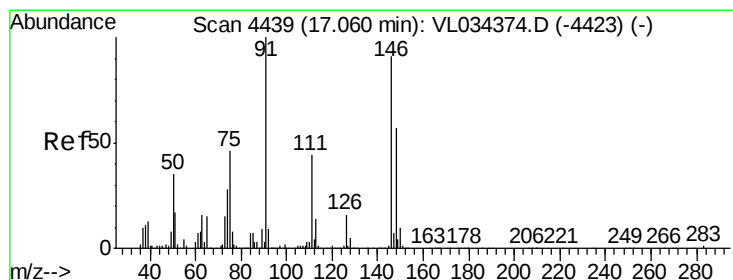
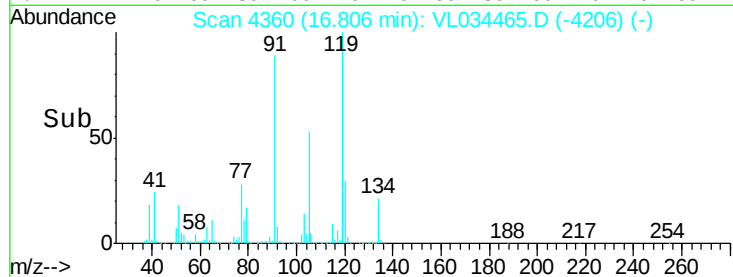
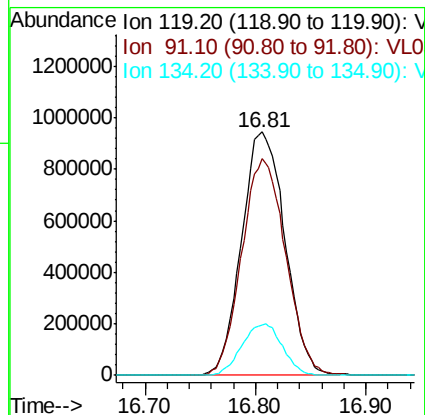
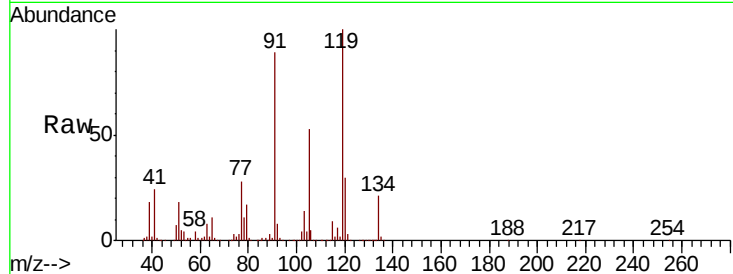
ClientSampleId :

VL1209ABS01

Tgt Ion:	119	Resp:	2570718
Ion	Ratio	Lower	Upper
119	100		
91	90.3	71.6	107.4
134	19.9	15.9	23.9

Manual Integrations
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#66

Benzyl Chloride

Concen: 10.247 ppbv

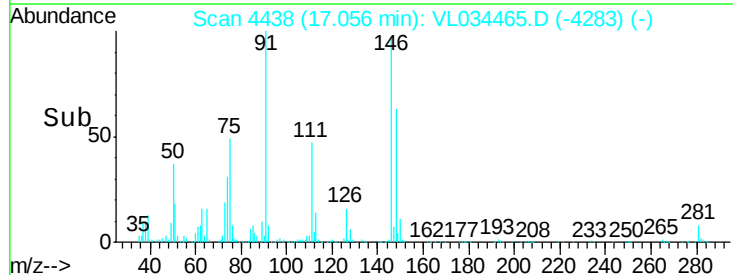
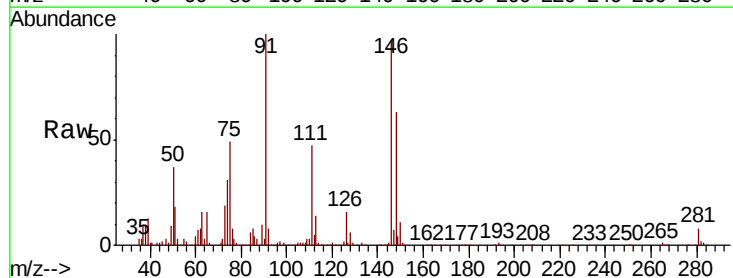
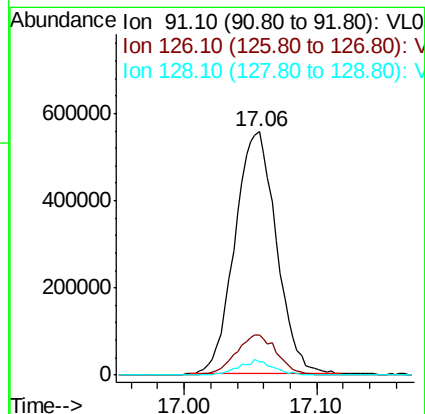
RT: 17.06 min Scan# 4438

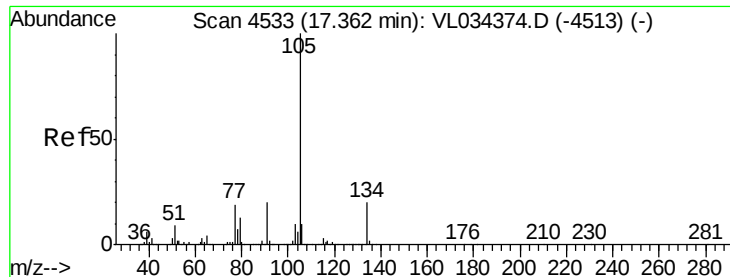
Delta R.T. -0.00 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Tgt Ion:	91	Resp:	1206550
Ion	Ratio	Lower	Upper
91	100		
126	16.5	12.9	19.3
128	5.2	4.3	6.5





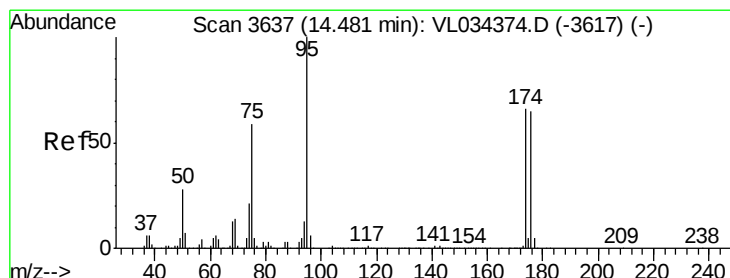
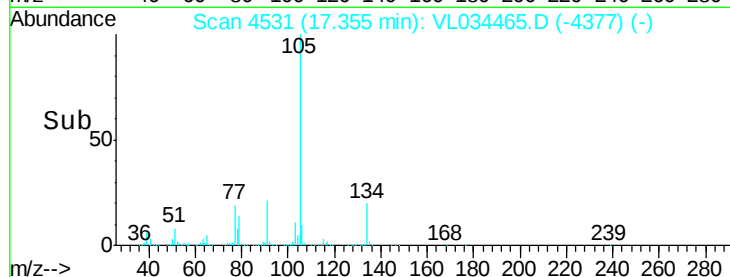
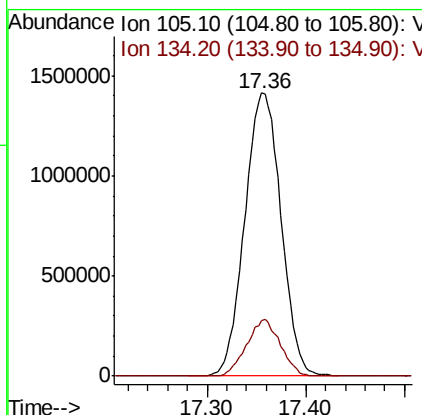
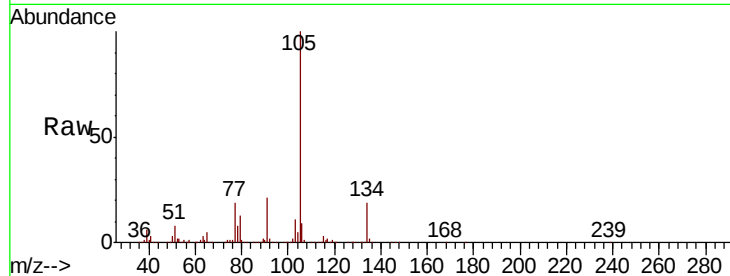
#67
 sec-Butylbenzene
 Concen: 8.362 ppbv
 RT: 17.36 min Scan# 4531
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Tgt Ion: 105 Resp: 3580284
 Ion Ratio Lower Upper
 105 100
 134 18.7 15.0 22.6

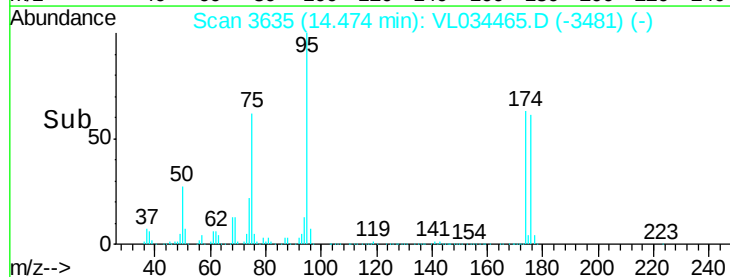
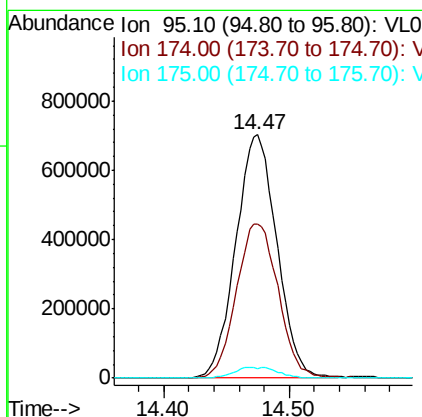
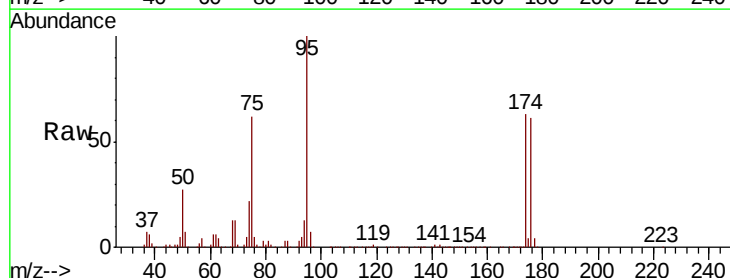
Manual Integrations
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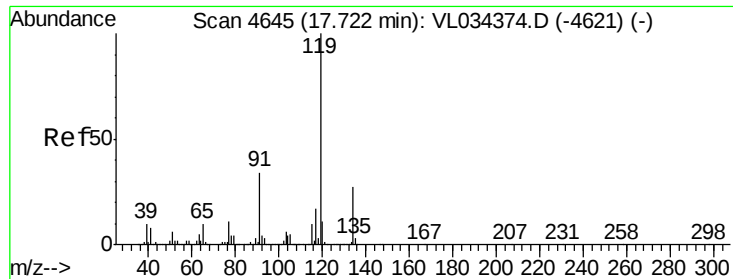
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.756 ppbv
 RT: 14.47 min Scan# 3635
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Tgt Ion: 95 Resp: 1594409
 Ion Ratio Lower Upper
 95 100
 174 65.2 52.2 78.2
 175 4.7 3.8 5.8





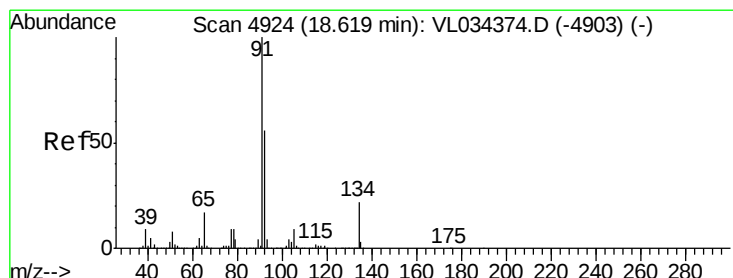
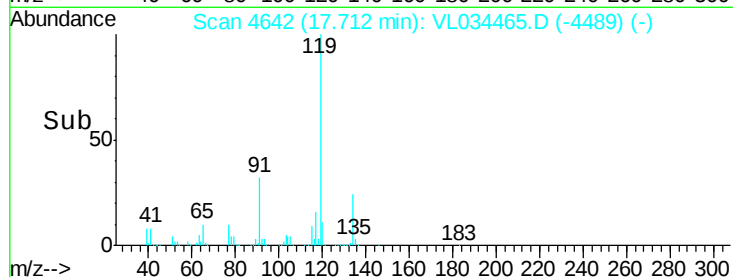
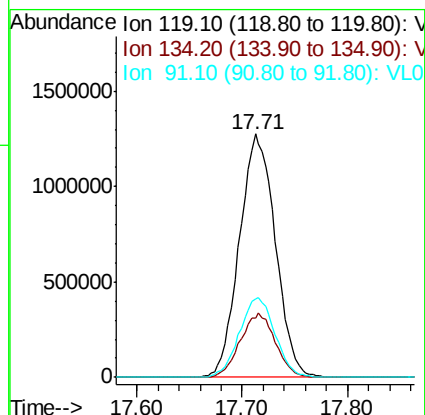
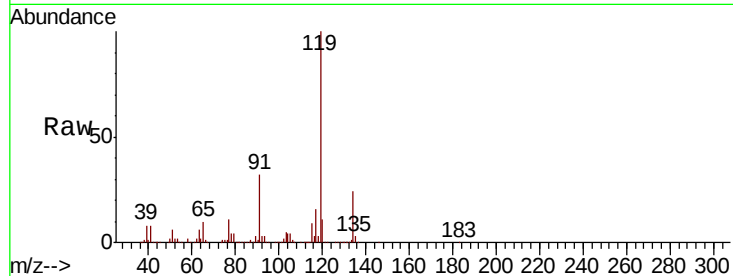
#69
p-Isopropyltoluene
Concen: 8.501 ppbv
RT: 17.71 min Scan# 4642
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 119 Resp: 3020643
Ion Ratio Lower Upper
119 100
134 25.6 20.6 31.0
91 32.4 26.3 39.5

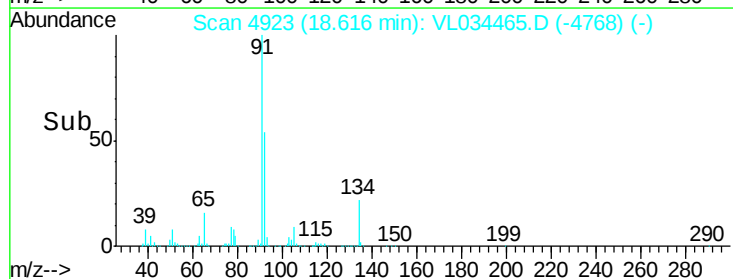
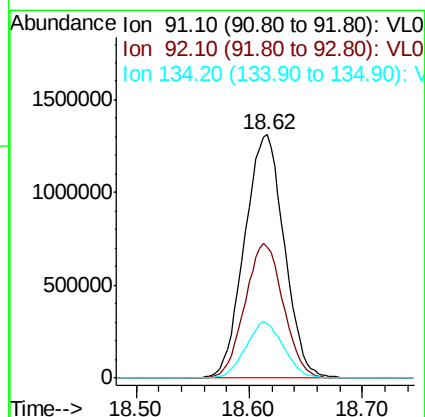
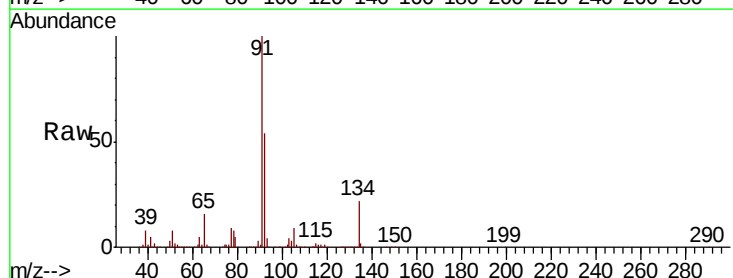
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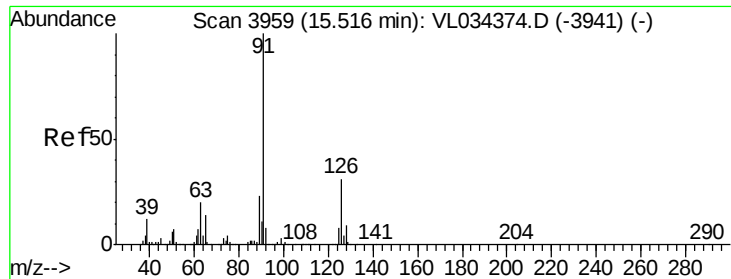
MMDadoda
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#70
n-Butylbenzene
Concen: 8.344 ppbv
RT: 18.62 min Scan# 4923
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 91 Resp: 3190079
Ion Ratio Lower Upper
91 100
92 53.8 43.8 65.6
134 22.0 17.9 26.9





#71

2-Chlorotoluene

Concen: 8.272 ppbv

RT: 15.51 min Scan# 3958

Delta R.T. -0.00 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Instrument :

MSVOA_L

ClientSampleId :

VL1209ABS01

Tgt Ion: 91 Resp: 2247434

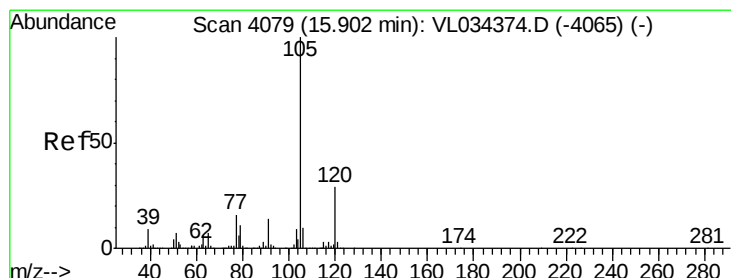
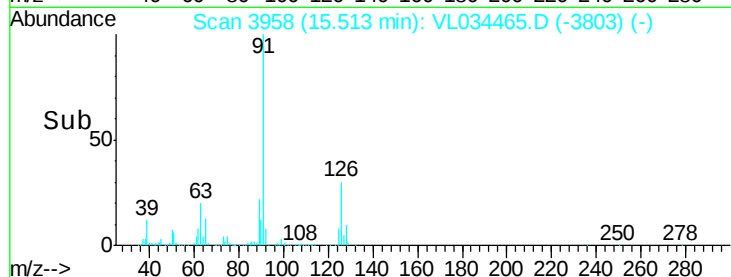
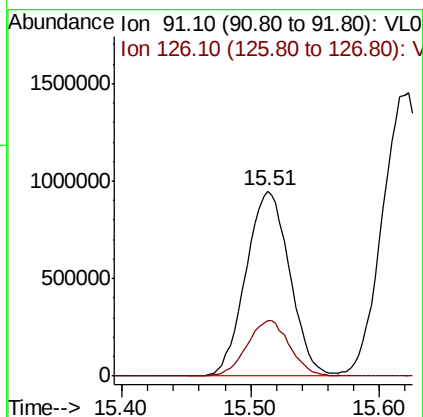
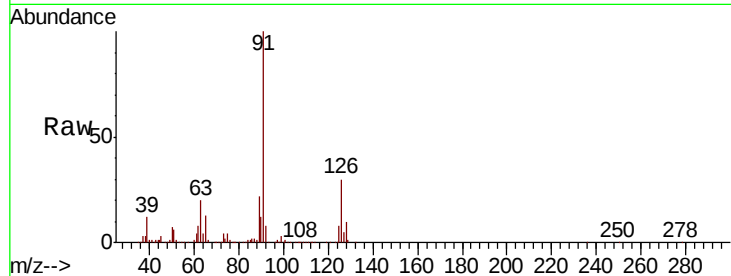
Ion Ratio Lower Upper

91 100

126 29.6 11.8 47.4

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#72

4-Ethyltoluene

Concen: 8.211 ppbv

RT: 15.90 min Scan# 4077

Delta R.T. -0.01 min

Lab File: VL034465.D

Acq: 9 Dec 2019 14:48

Tgt Ion: 105 Resp: 2444538

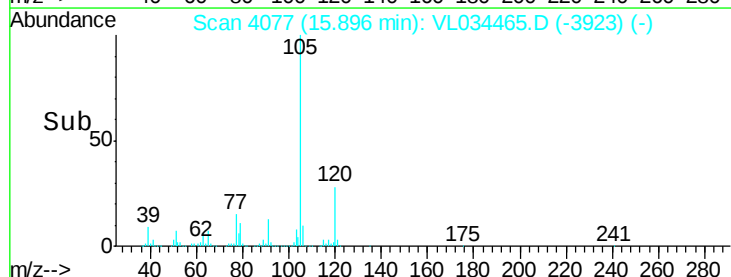
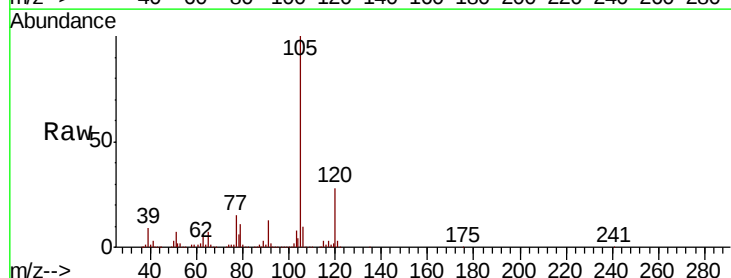
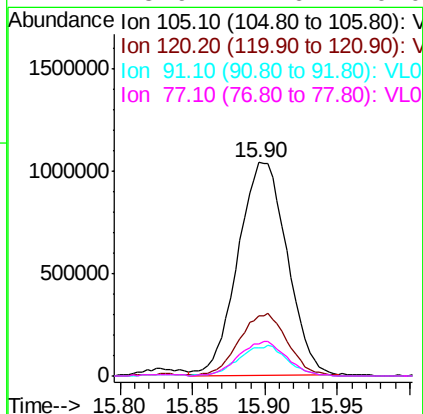
Ion Ratio Lower Upper

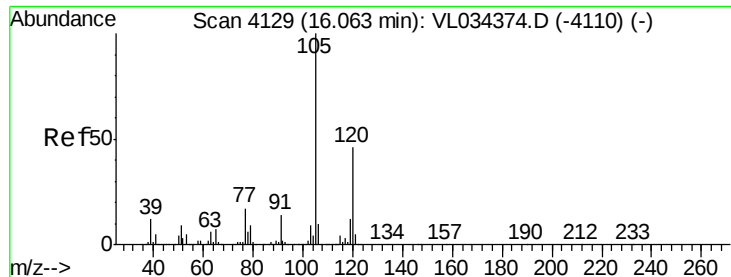
105 100

120 28.9 23.5 35.3

91 14.0 11.4 17.0

77 15.9 12.6 19.0





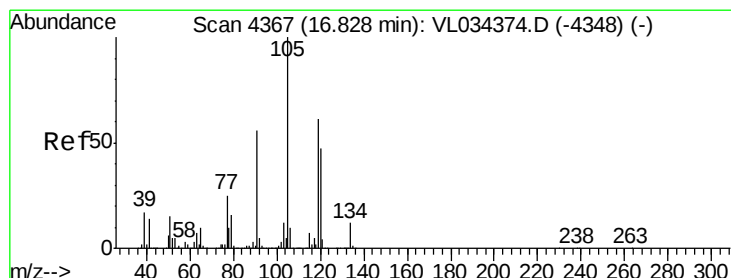
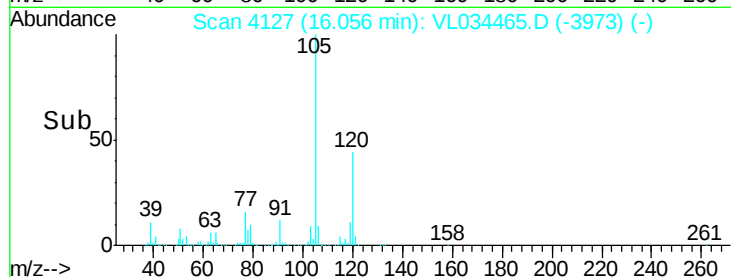
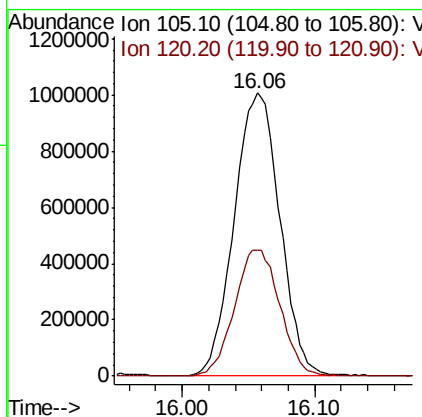
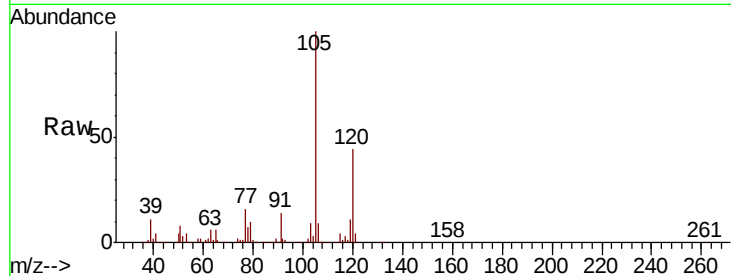
#73
 1,3,5-Trimethylbenzene
 Concen: 8.228 ppbv
 RT: 16.06 min Scan# 4127
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Tgt Ion:105 Resp: 2397562
 Ion Ratio Lower Upper
 105 100
 120 44.2 37.1 55.7

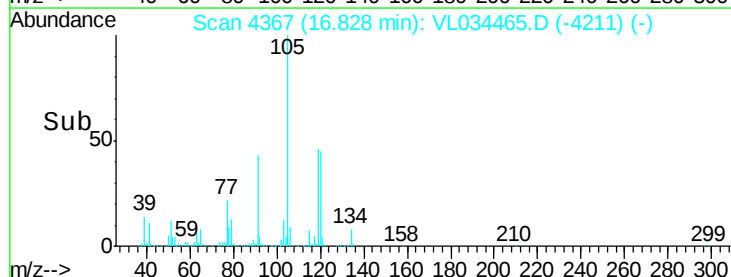
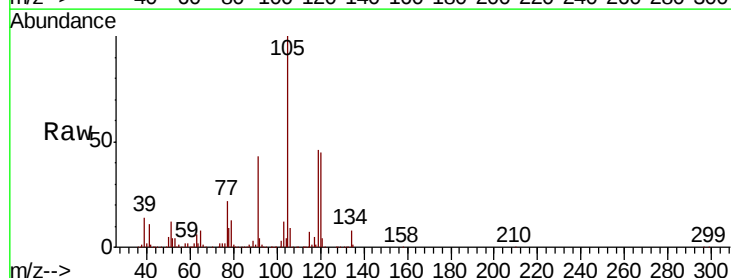
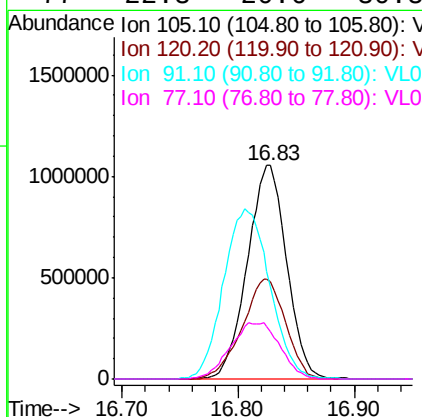
Manual Integrations
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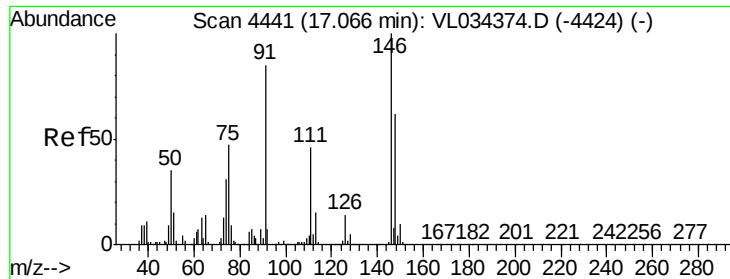
MMDadoda
 12/18/2019 9:49:01 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.010 ppbv
 RT: 16.83 min Scan# 4367
 Delta R.T. 0.00 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Tgt Ion:105 Resp: 2479358
 Ion Ratio Lower Upper
 105 100
 120 45.3 37.4 56.0
 91 43.0 46.3 69.5#
 77 22.3 20.6 30.8





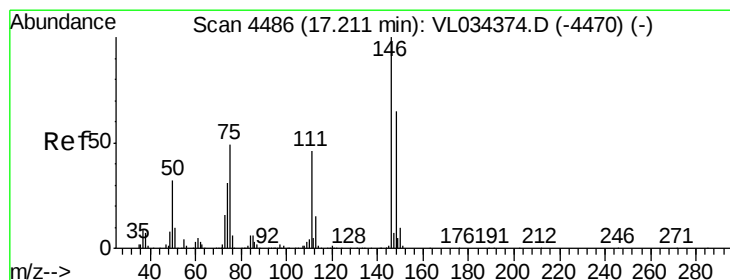
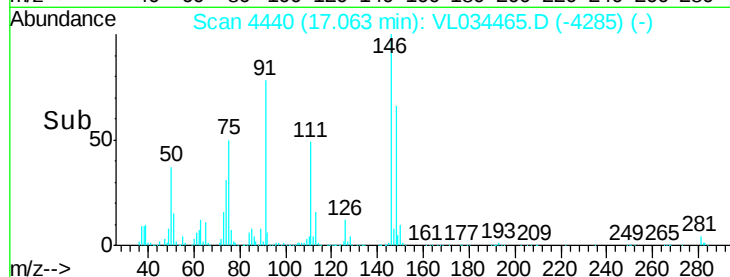
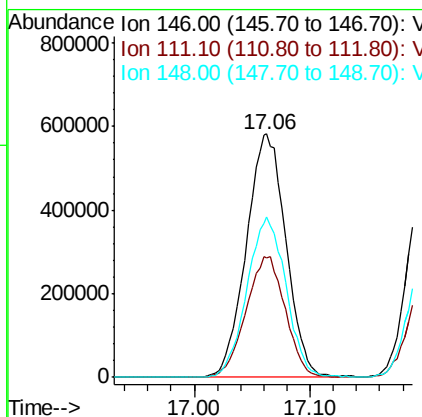
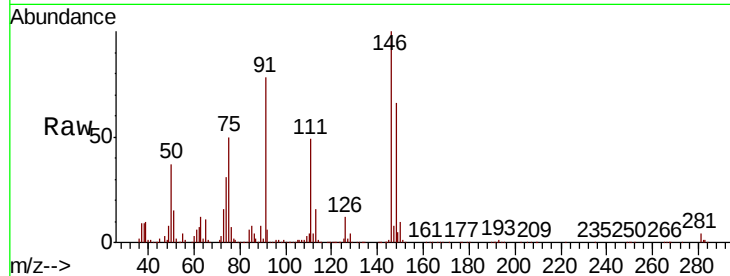
#75
 1,3-Dichlorobenzene
 Concen: 7.763 ppbv
 RT: 17.06 min Scan# 4440
 Delta R.T. -0.00 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.4	73.4
148	65.1	32.4	97.0

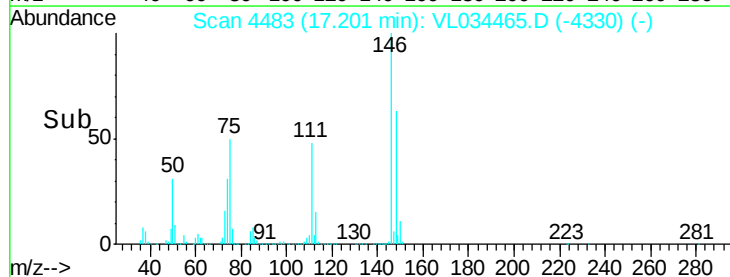
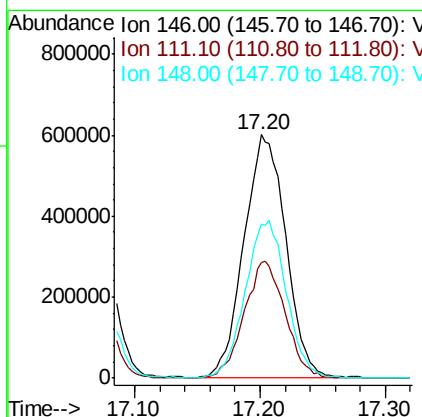
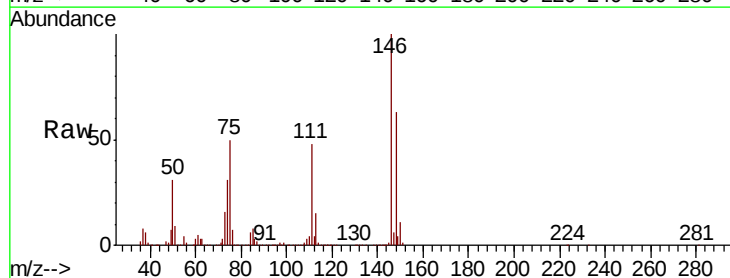
Manual Integrations
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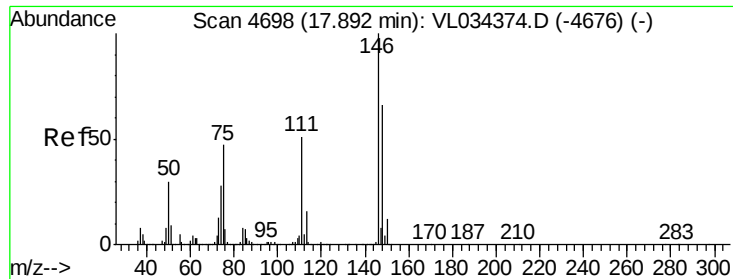
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#76
 1,4-Dichlorobenzene
 Concen: 8.040 ppbv
 RT: 17.20 min Scan# 4483
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.3	24.1	72.3
148	64.2	32.9	98.6





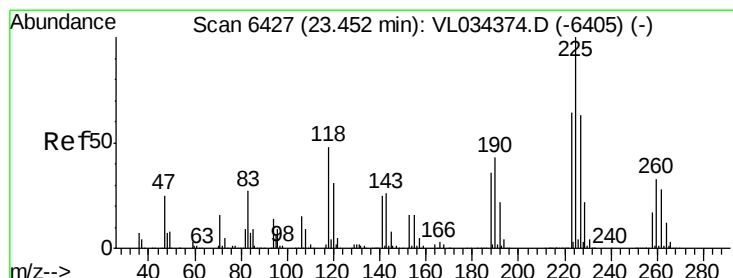
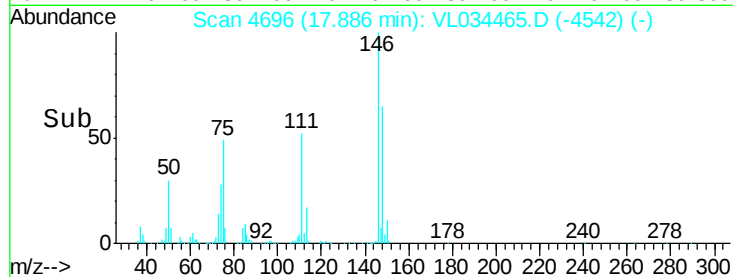
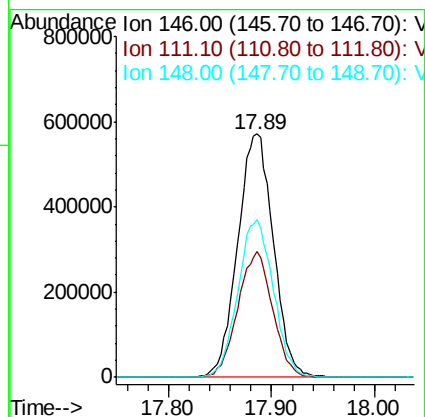
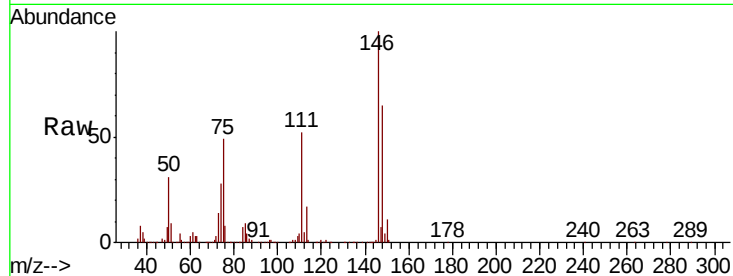
#77
 1,2-Dichlorobenzene
 Concen: 7.978 ppbv
 RT: 17.89 min Scan# 4696
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Tgt Ion:146 Resp: 1370963
 Ion Ratio Lower Upper
 146 100
 111 50.3 25.0 75.0
 148 64.5 32.7 98.1

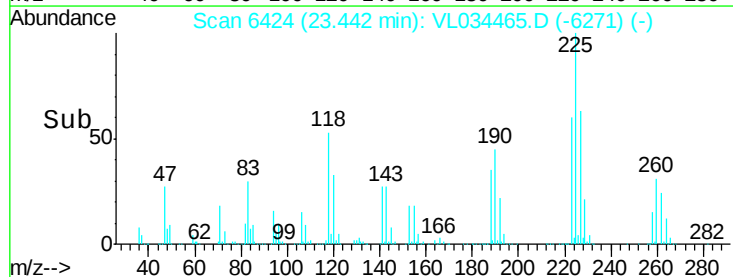
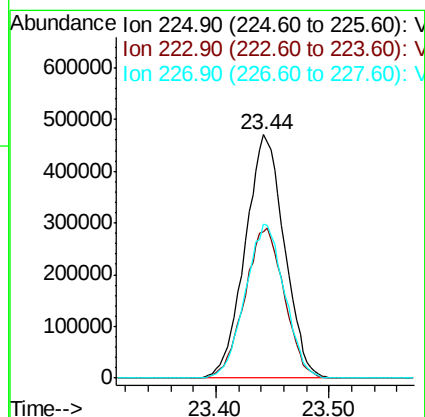
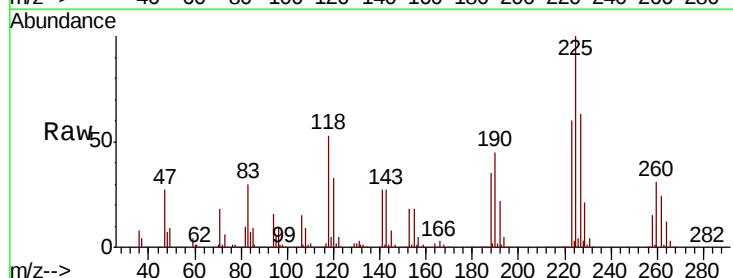
Manual Integrations
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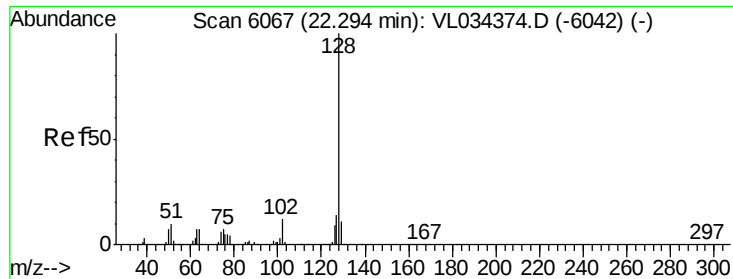
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.670 ppbv
 RT: 23.44 min Scan# 6424
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Tgt Ion:225 Resp: 1132538
 Ion Ratio Lower Upper
 225 100
 223 62.1 50.2 75.2
 227 63.6 51.5 77.3





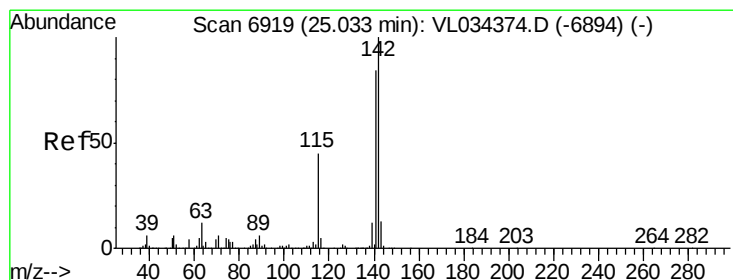
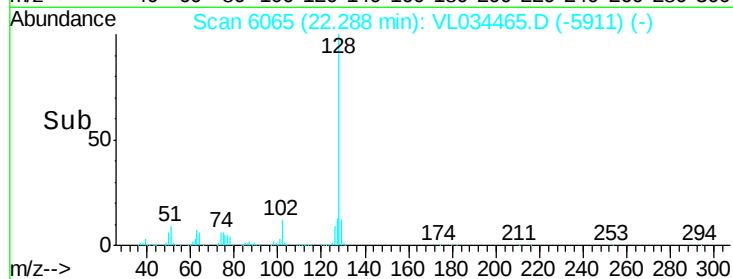
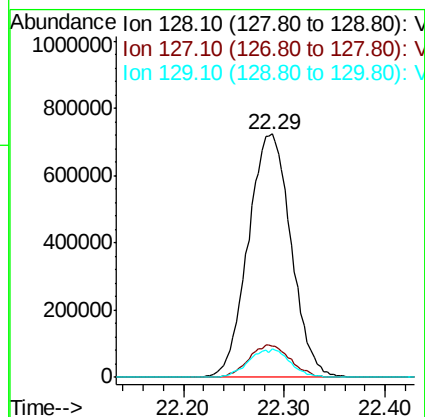
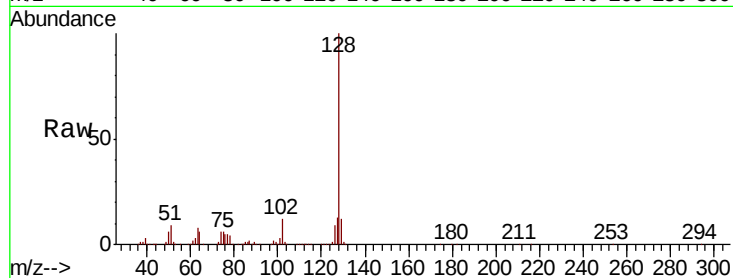
#79
Naphthalene
Concen: 7.939 ppbv
RT: 22.29 min Scan# 6065
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	11.0	16.6
129	11.9	8.9	13.3

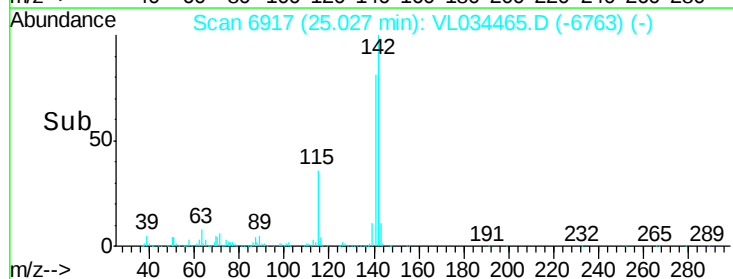
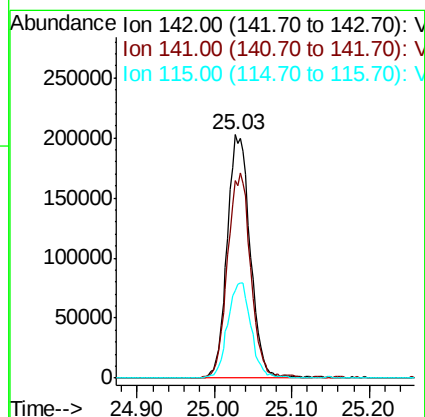
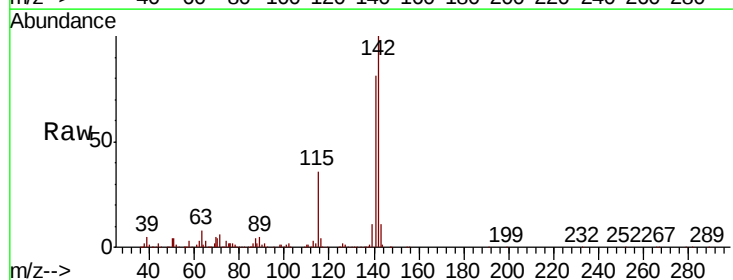
Manual Integrations
APPROVED

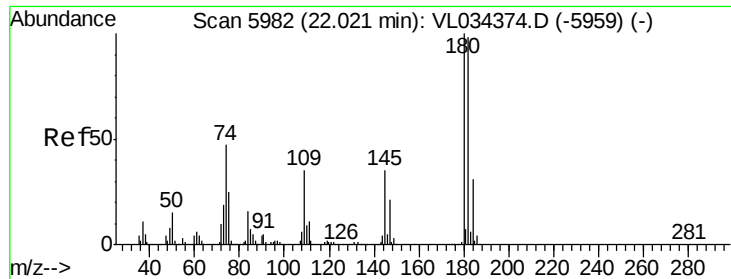
MMDadoda
12/18/2019 9:49:01 AM



#80
Naphthalene, 2-methyl-
Concen: 3.448 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.1	100.7
115	39.8	36.6	54.8





#81
 1,2,4-Trichlorobenzene
 Concen: 7.310 ppbv
 RT: 22.01 min Scan# 5979
 Delta R.T. -0.01 min
 Lab File: VL034465.D
 Acq: 9 Dec 2019 14:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1209ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
184	31.0	24.9	37.3

Manual Integrations
 APPROVED

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