

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\
 Data File : VL033198.D
 Acq On : 13 Feb 2019 22:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

mohammad
 2/16/2019 1:27:45 AM

Quant Time: Feb 14 06:13:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 0
 QLast Update : Wed Feb 06 09:13:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	929520	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2142721	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2226940m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1741404	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1386401	7.801	ppbv	97
3) Chlorodifluoromethane	3.01	51	950235	8.490	ppbv	98
4) Chloromethane	3.17	50	617616	10.451	ppbv	95
5) Vinyl Chloride	3.29	62	598663	9.694	ppbv	98
6) Bromomethane	3.52	94	351557	10.365	ppbv	97
7) Chloroethane	3.60	64	215705	10.692	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1425144	10.254	ppbv	98
9) Propene	3.04	41	433709	8.022	ppbv	100
10) Heptane	8.25	43	1319625	8.068	ppbv	99
11) Trichlorofluoromethane	4.00	101	1549499	10.770	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	989872	9.927	ppbv	98
13) Ethanol	3.65	45	124568	6.909	ppbv	95
14) Bromoethene	3.79	108	444818	10.346	ppbv	99
15) Acetone	3.90	43	995597	9.507	ppbv	99
16) 1,3-Butadiene	3.36	39	503257	10.124	ppbv	96
17) tert-Butyl alcohol	4.35	59	195860	9.810	ppbv	99
18) 1,1-Dichloroethene	4.35	96	442395	9.912	ppbv	97
19) Isopropyl Alcohol	4.02	45	692335	9.748	ppbv	100
20) Methylene Chloride	4.41	84	381806	9.166	ppbv	93
21) Allyl Chloride	4.48	41	706529	10.218	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	437227	10.087	ppbv	99
23) Vinyl Acetate	5.16	43	1819104	10.023	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1247939	9.721	ppbv	99
25) Ethyl Acetate	5.77	43	2201068	9.348	ppbv	99
26) Hexane	5.78	57	975120	8.822	ppbv	97
27) Carbon Disulfide	4.62	76	1085584	10.720	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1431476	9.477	ppbv	99
29) Chloroform	5.85	83	1586538	9.366	ppbv	97
30) Cyclohexane	7.25	84	840808	8.198	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	1039856	9.399	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1533837	8.223	ppbv	98
34) 2-Butanone	5.33	43	1500467	11.040	ppbv	99
35) Carbon Tetrachloride	7.14	117	1607997	9.826	ppbv	99
36) Benzene	7.01	78	2043719	9.411	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1275353	10.597	ppbv	98
38) Trichloroethene	7.97	130	761291m	8.186	ppbv	
39) 1,2-Dichloropropane	7.74	63	787981	9.188	ppbv	96
40) 1,4-Dioxane	7.96	88	271140	8.699	ppbv	96
41) Tetrahydrofuran	6.15	42	857703	10.195	ppbv	99
42) Bromodichloromethane	7.92	83	1762048	10.103	ppbv	96
43) Methyl Methacrylate	8.14	69	858746	9.850	ppbv	98

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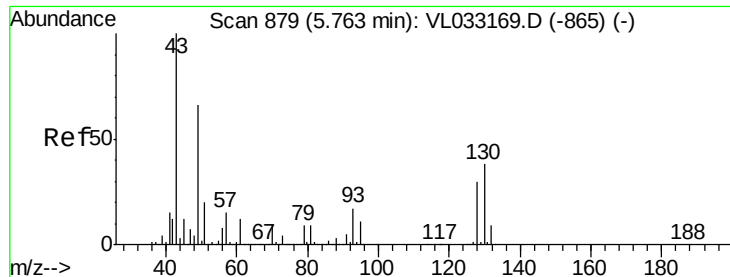
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 0
 QLast Update : Wed Feb 06 09:13:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3411365	9.270	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1129425	11.661	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1300881	10.545	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	845912	9.504	ppbv	97
48) Dibromochloromethane	10.46	129	1479835	10.561	ppbv	100
49) Bromoform	13.21	173	1326415	11.003	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2178142	9.994	ppbv	99
51) 2-Hexanone	10.27	43	1700304	9.895	ppbv	100
52) Tetrachloroethene	11.38	164	754456	9.043	ppbv	96
53) Toluene	9.95	91	2451055	9.532	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1355343	9.711	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1023782	10.016	ppbv #	60
57) Chlorobenzene	12.31	112	1773620	9.122	ppbv	97
58) Ethyl Benzene	12.87	91	3446410	9.562	ppbv	98
59) m/p-Xylene	13.15	91	5672042m	18.857	ppbv	
60) o-Xylene	13.85	91	2728251	9.327	ppbv	99
61) Styrene	13.69	104	2083923	9.446	ppbv	99
62) Isopropylbenzene	14.83	105	3809489	9.234	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1867148	8.126	ppbv	100
64) n-propylbenzene	15.73	120	971760	9.267	ppbv	98
65) tert-Butylbenzene	16.91	119	3299658	9.184	ppbv	98
66) Benzyl Chloride	17.16	91	1738631	13.630	ppbv	99
67) sec-Butylbenzene	17.46	105	4859185	9.316	ppbv	99
69) p-Isopropyltoluene	17.82	119	3934267	9.056	ppbv	99
70) n-Butylbenzene	18.72	91	4296106	9.165	ppbv	99
71) 2-Chlorotoluene	15.62	91	2984593	9.207	ppbv	99
72) 4-Ethyltoluene	16.01	105	3154704	9.357	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3040294	9.429	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	3086963	9.225	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	1790200	9.277	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1790221	9.367	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	1733915	9.094	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1404459	14.797	ppbv	100
79) Naphthalene	22.42	128	3383484	9.411	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1596690	8.771	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1648663	9.025	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

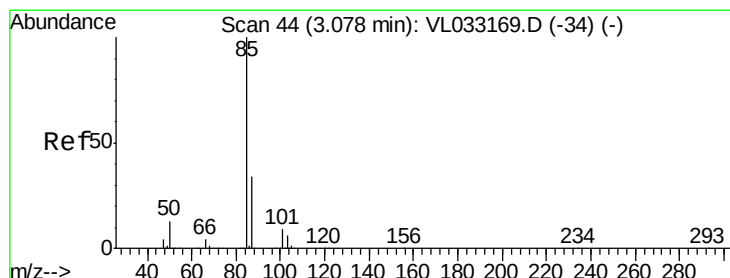
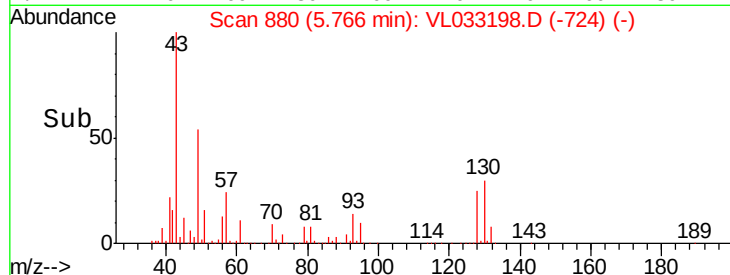
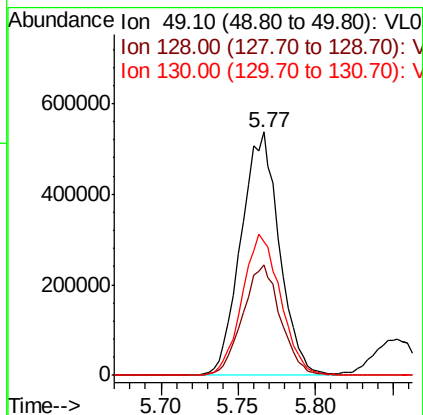
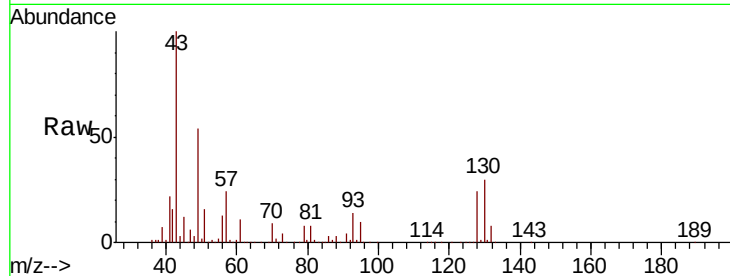
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	49	Resp:	929520
Ion	Ratio	Lower	Upper
49	100		
128	44.8	23.6	71.0
130	58.5	30.3	91.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 7.801 ppbv

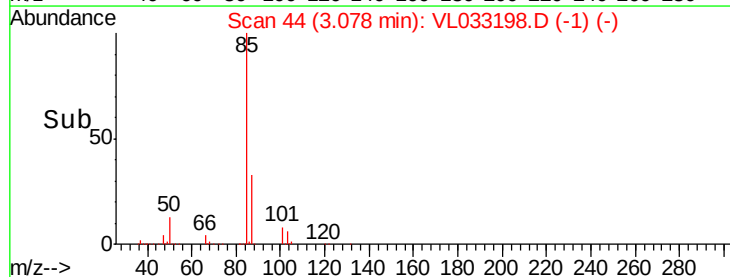
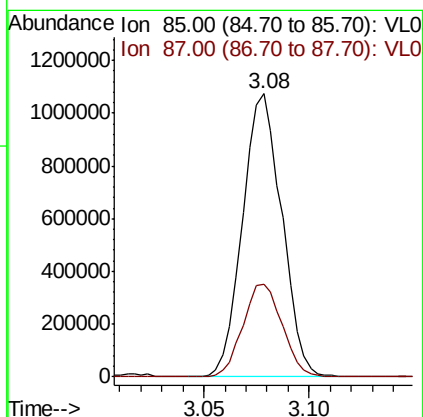
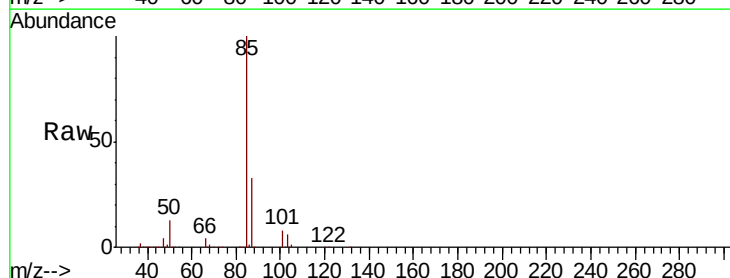
RT: 3.08 min Scan# 44

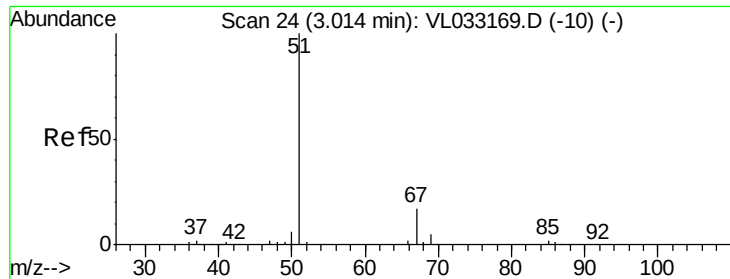
Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Tgt Ion:	85	Resp:	1386401
Ion	Ratio	Lower	Upper
85	100		
87	32.6	27.4	41.2





#3

Chlorodifluoromethane

Concen: 8.490 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 51 Resp: 950235

Ion Ratio Lower Upper

51 100

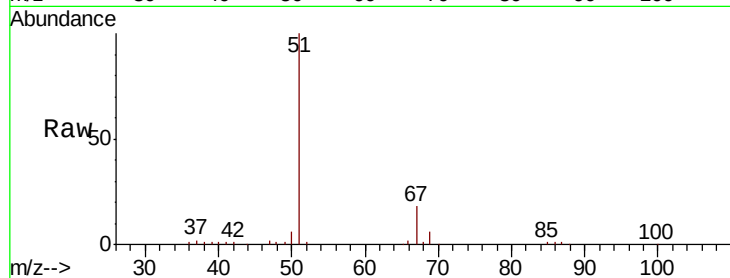
67 18.3 14.0 21.0

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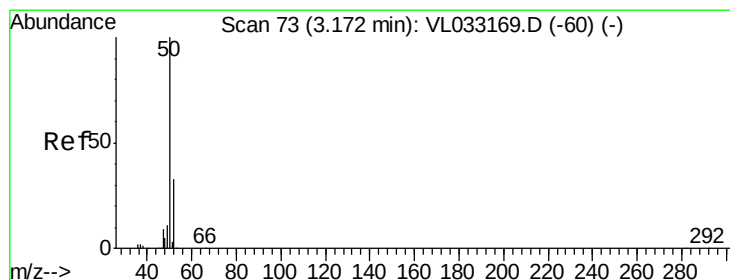
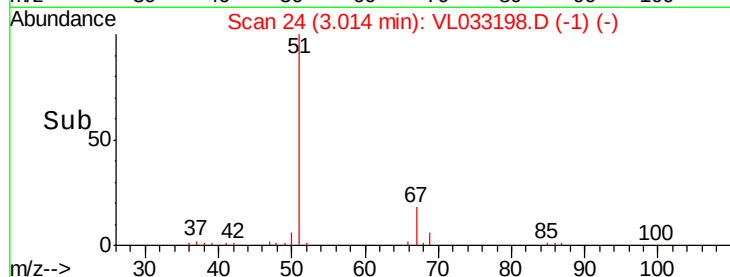
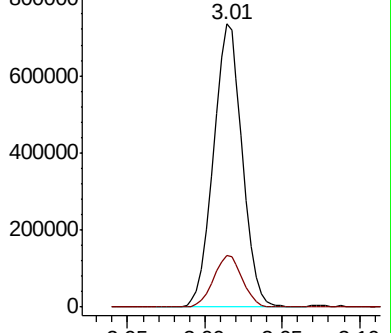
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.451 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033198.D

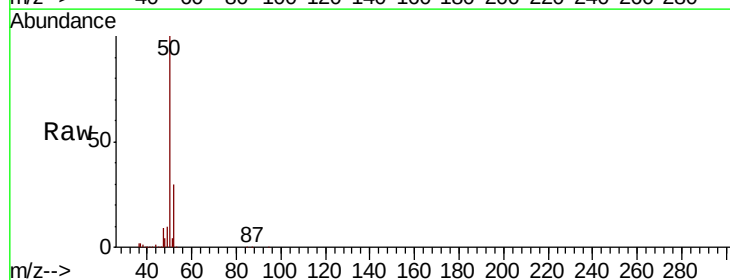
Acq: 13 Feb 2019 22:20

Tgt Ion: 50 Resp: 617616

Ion Ratio Lower Upper

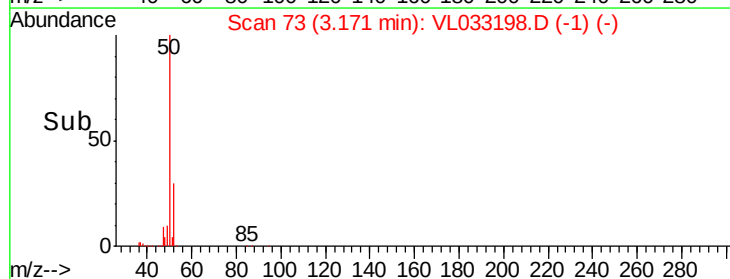
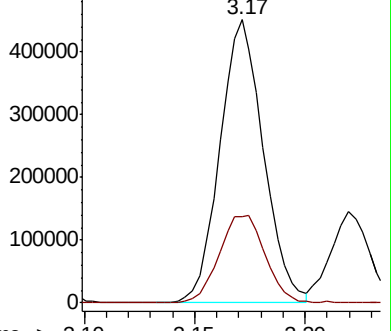
50 100

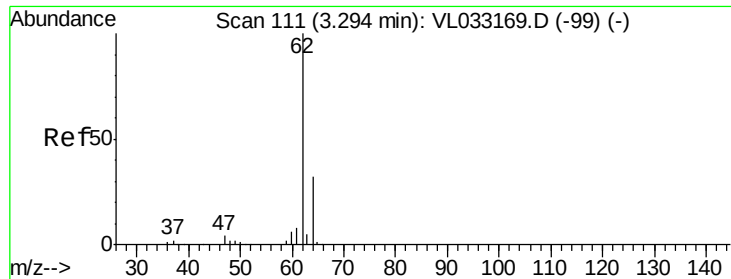
52 30.4 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.694 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 598663

Ion Ratio Lower Upper

62 100

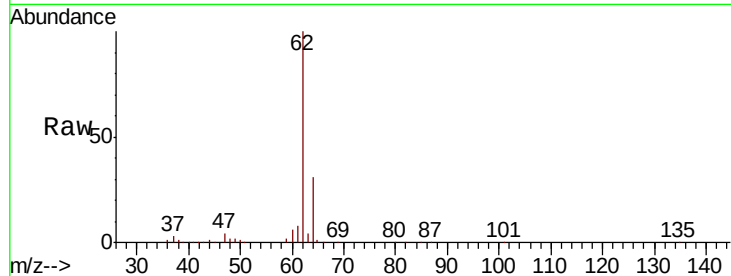
64 31.0 25.6 38.4

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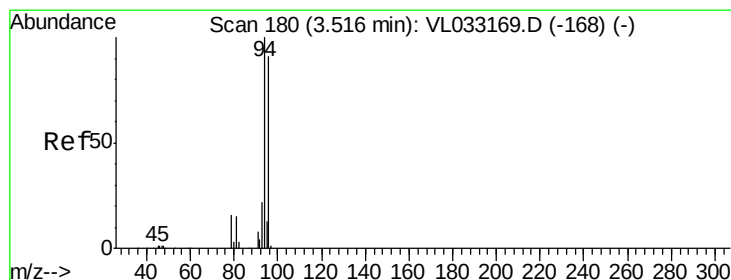
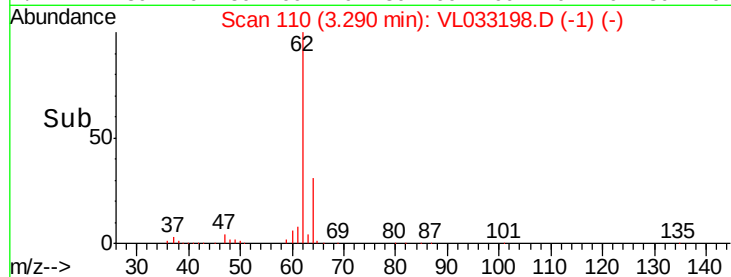
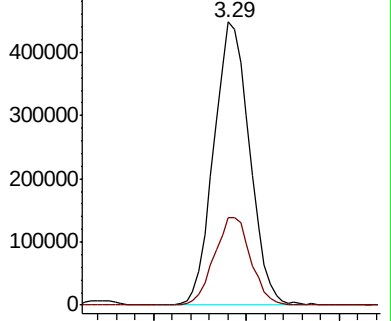
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.365 ppbv

RT: 3.52 min Scan# 180

Delta R.T. -0.00 min

Lab File: VL033198.D

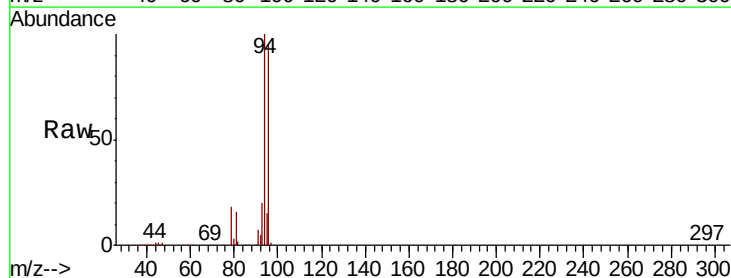
Acq: 13 Feb 2019 22:20

Tgt Ion: 94 Resp: 351557

Ion Ratio Lower Upper

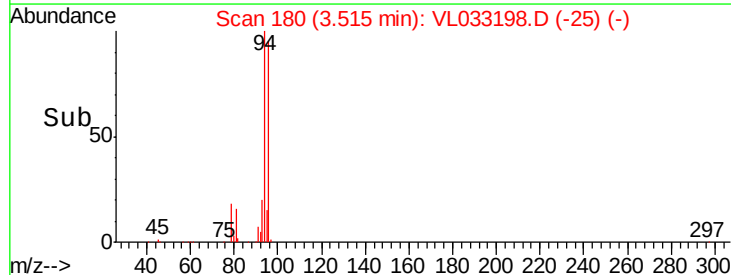
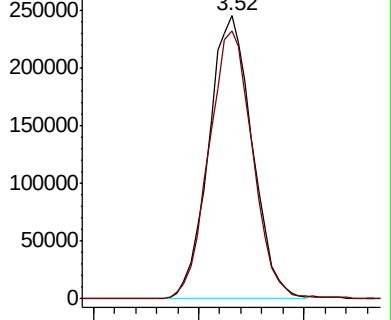
94 100

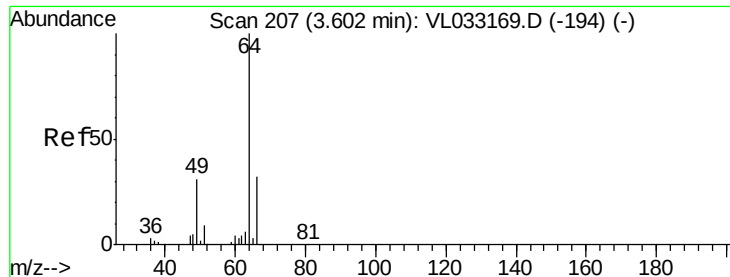
96 94.6 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.692 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 215705

Ion Ratio Lower Upper

64 100

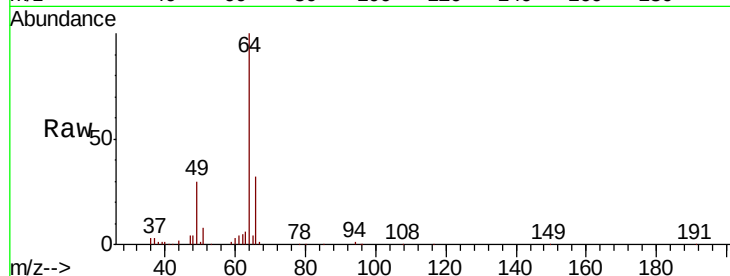
66 32.2 26.0 39.0

Manual Integrations

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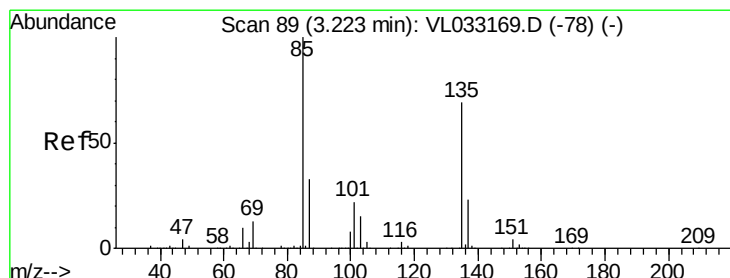
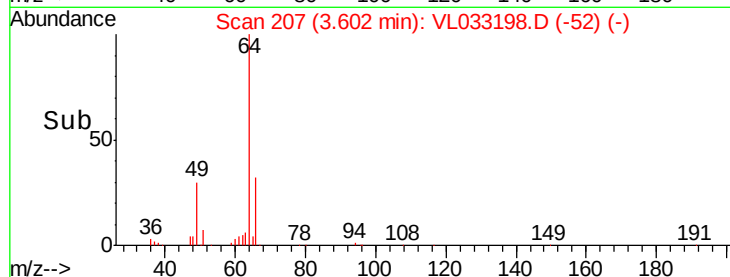
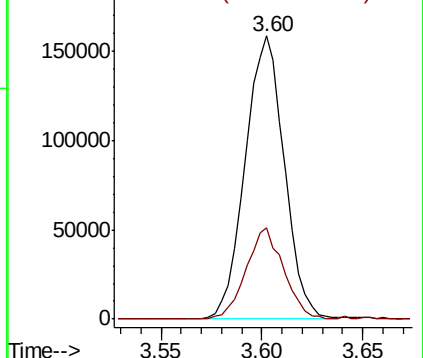
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.254 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033198.D

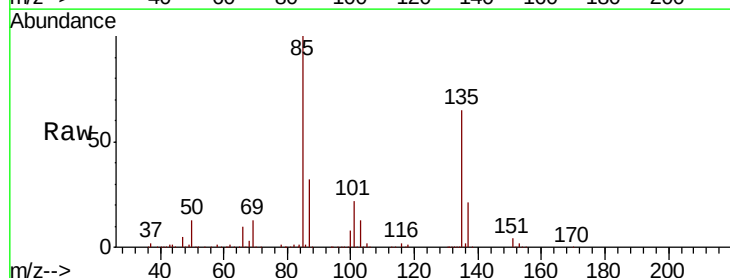
Acq: 13 Feb 2019 22:20

Tgt Ion: 85 Resp: 1425144

Ion Ratio Lower Upper

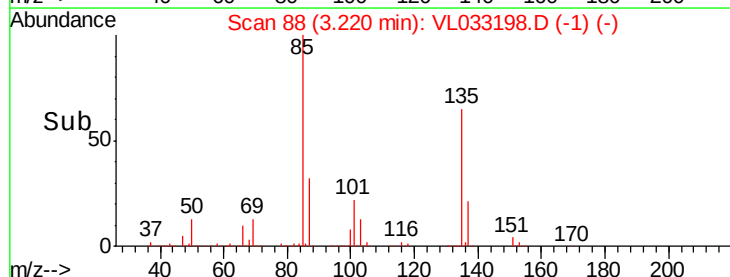
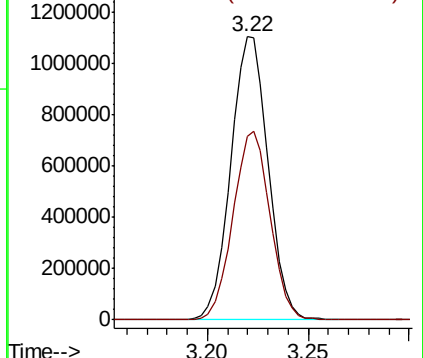
85 100

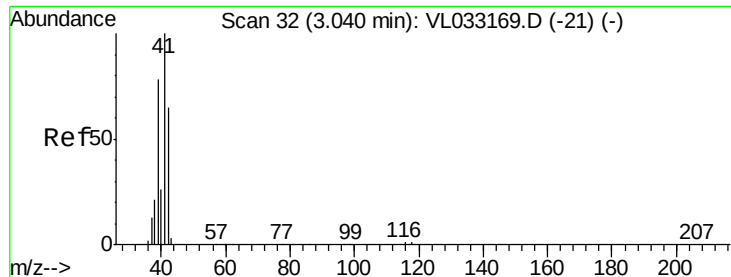
135 66.5 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.022 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 433709

Ion Ratio Lower Upper

41 100

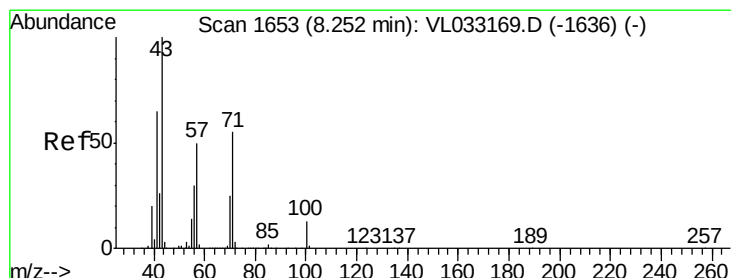
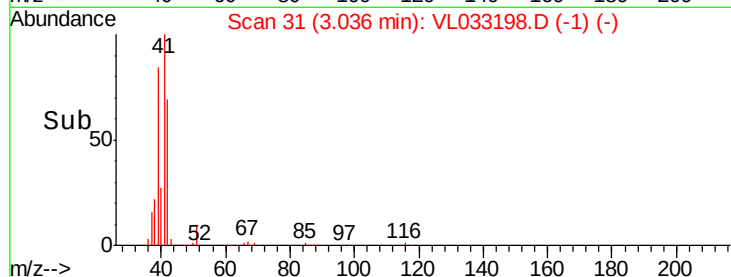
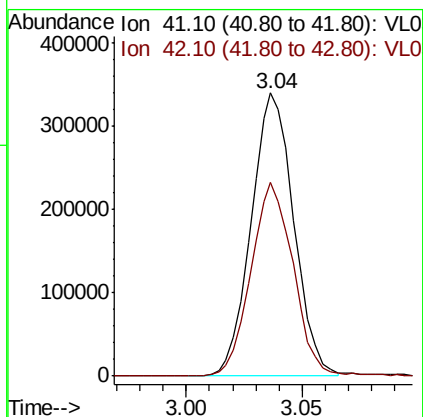
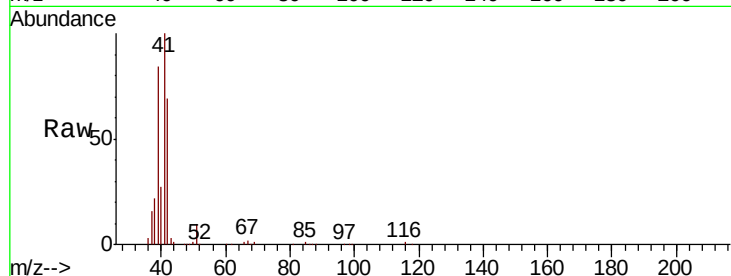
42 68.6 55.0 82.6

Manual Integrations

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#10

Heptane

Concen: 8.068 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033198.D

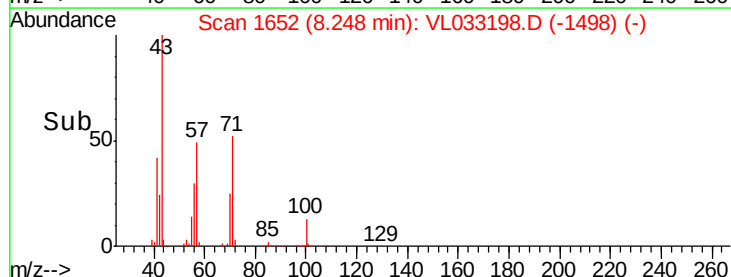
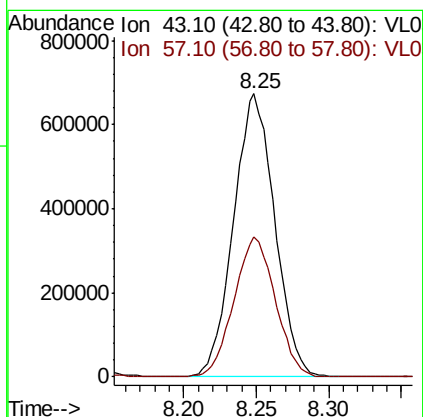
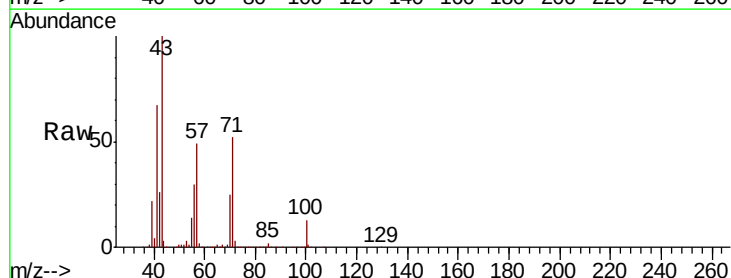
Acq: 13 Feb 2019 22:20

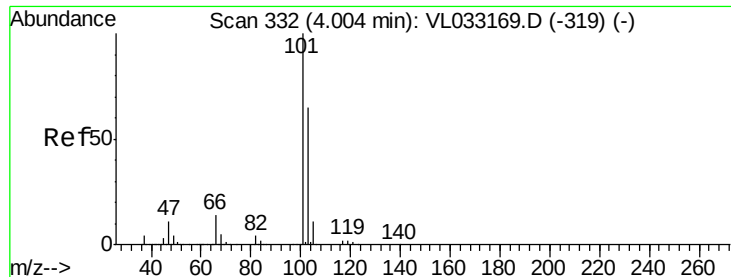
Tgt Ion: 43 Resp: 1319625

Ion Ratio Lower Upper

43 100

57 49.9 39.5 59.3





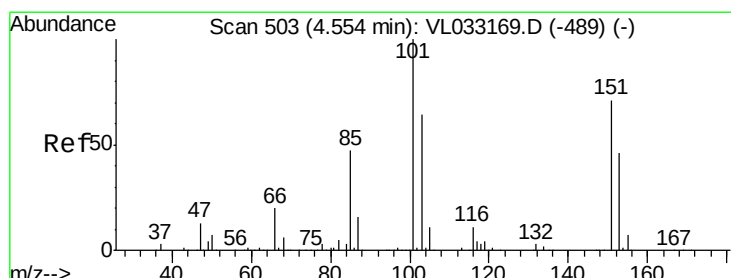
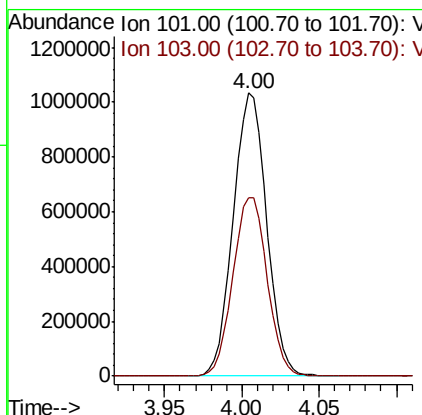
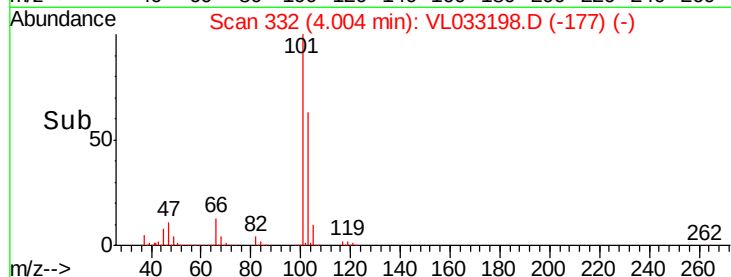
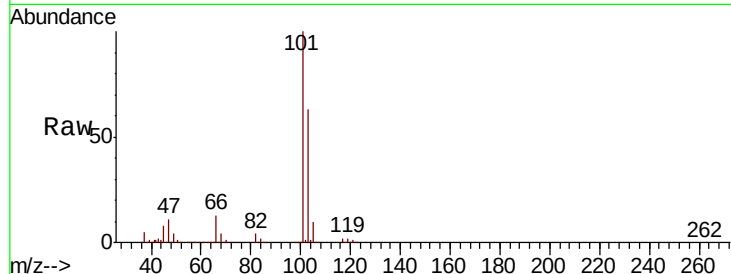
#11
 Trichlorofluoromethane
 Concen: 10.770 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:101 Resp: 1549499
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.7 77.5

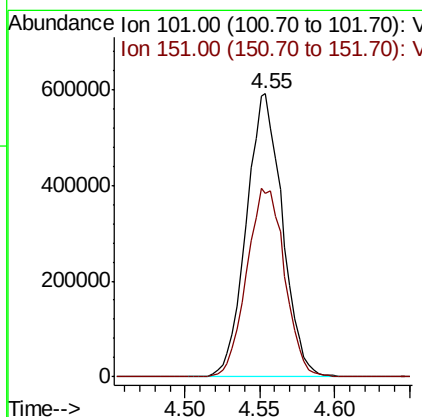
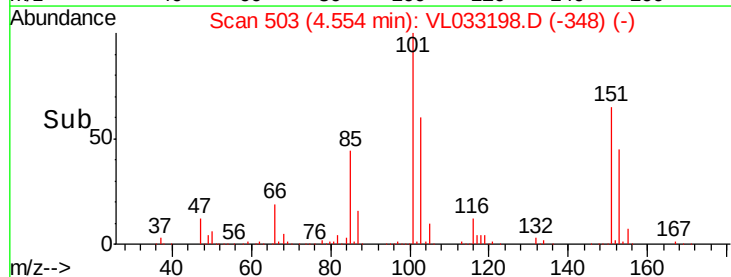
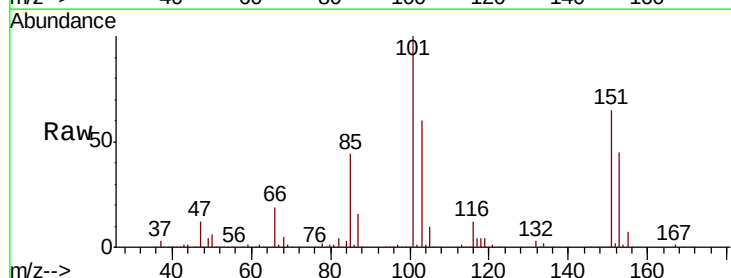
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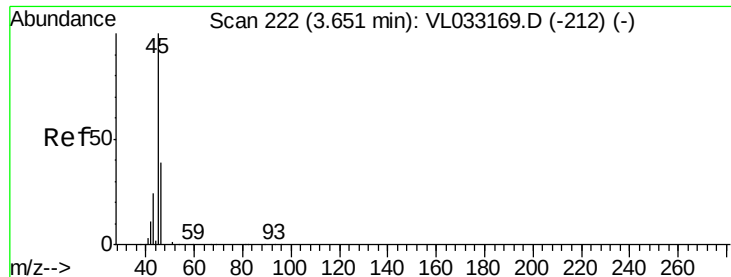
mohammad
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.927 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Tgt Ion:101 Resp: 989872
 Ion Ratio Lower Upper
 101 100
 151 70.1 57.4 86.0





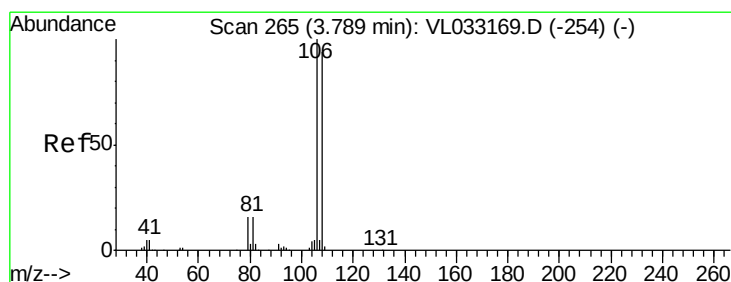
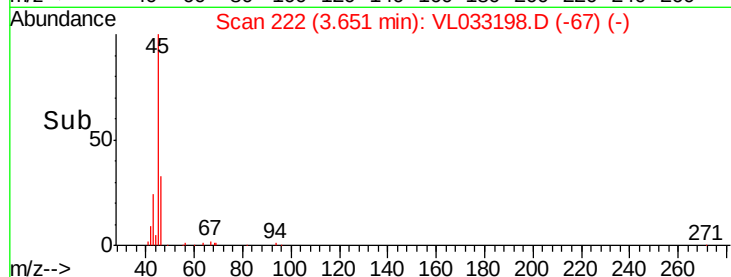
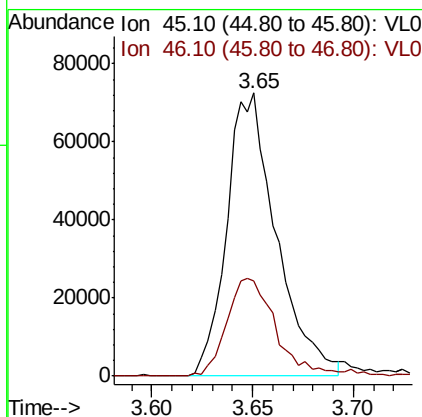
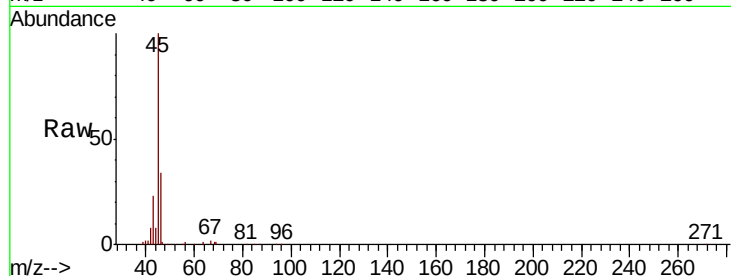
#13
Ethanol
Concen: 6.909 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 124568
Ion Ratio Lower Upper
45 100
46 34.6 15.0 60.2

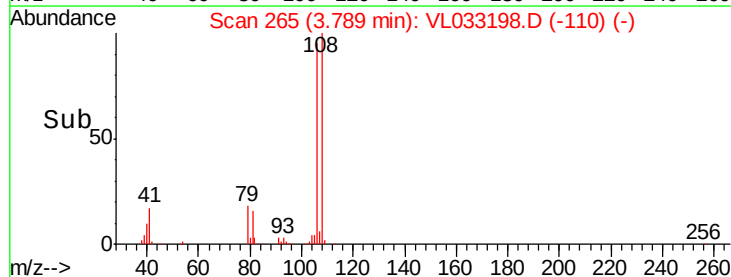
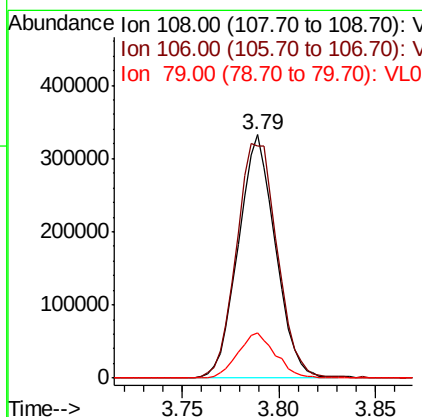
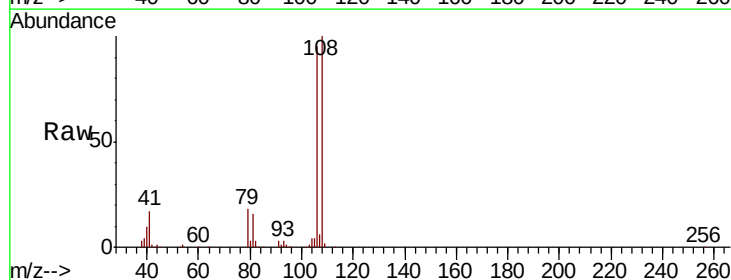
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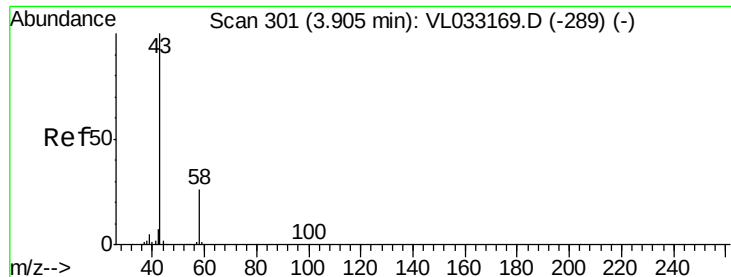
mohammad
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#14
Bromoethene
Concen: 10.346 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 108 Resp: 444818
Ion Ratio Lower Upper
108 100
106 106.7 86.0 129.0
79 19.0 14.5 21.7





#15

Acetone

Concen: 9.507 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 995597

Ion Ratio Lower Upper

43 100

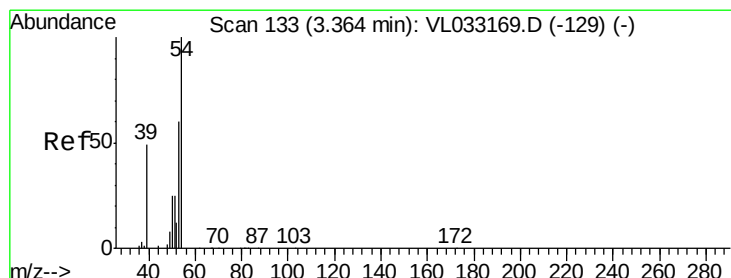
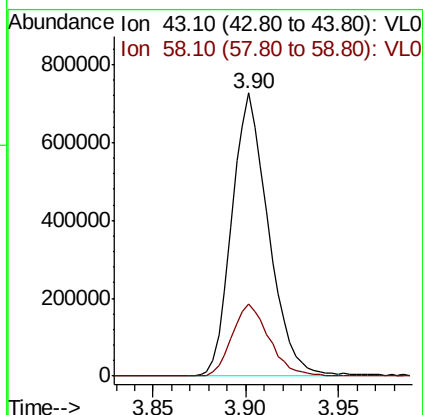
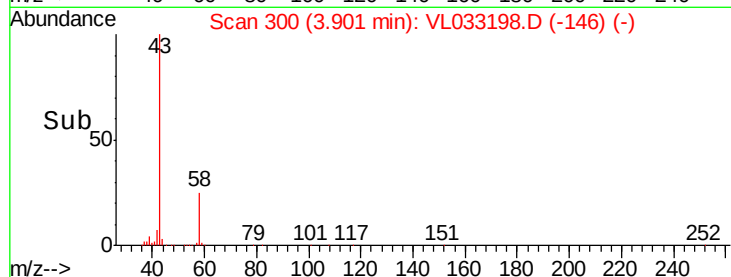
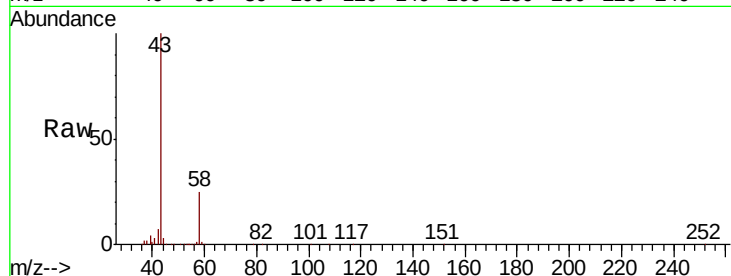
58 25.9 21.1 31.7

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#16

1,3-Butadiene

Concen: 10.124 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL033198.D

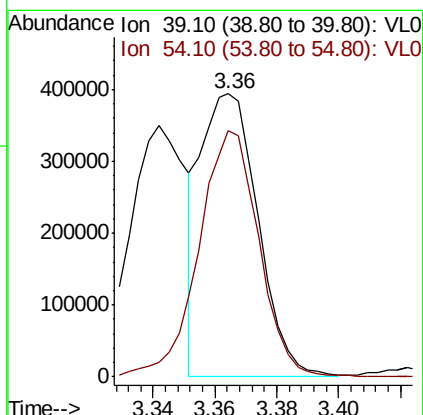
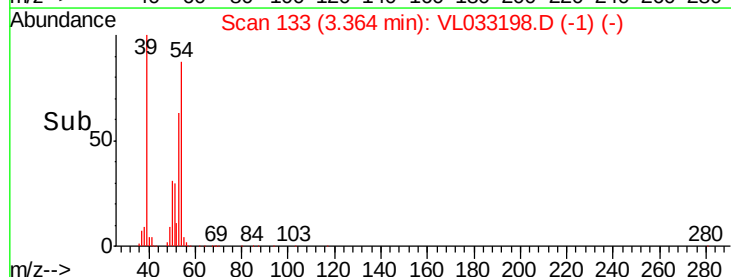
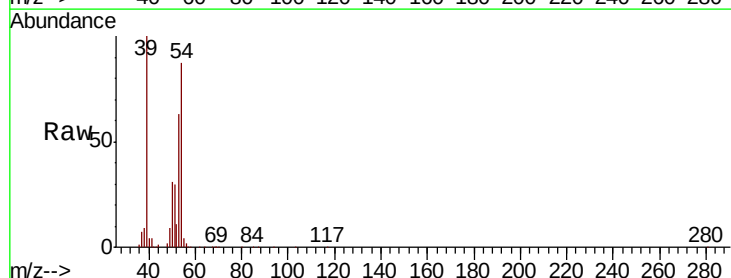
Acq: 13 Feb 2019 22:20

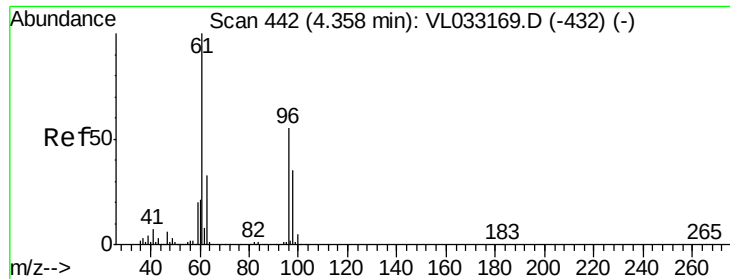
Tgt Ion: 39 Resp: 503257

Ion Ratio Lower Upper

39 100

54 92.8 71.3 106.9





#17

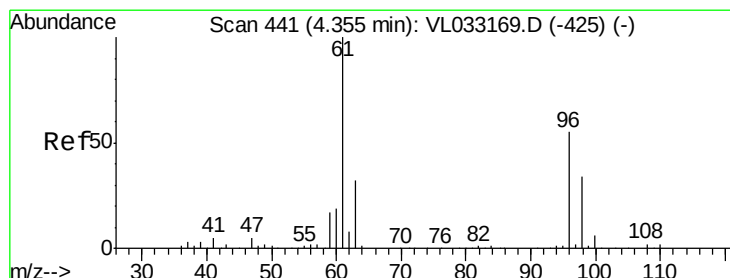
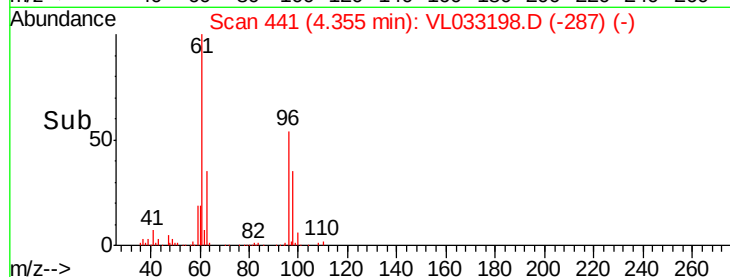
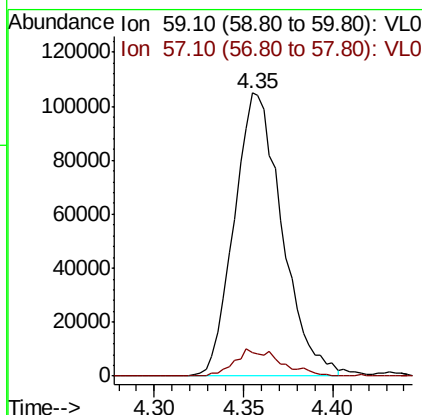
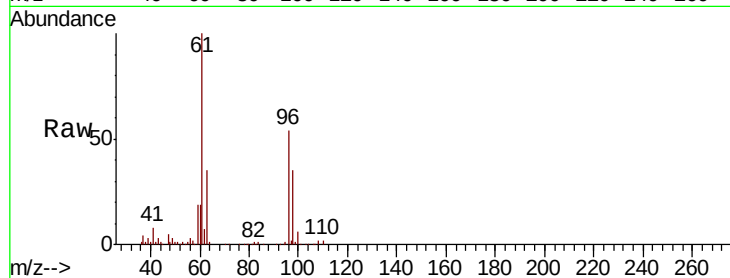
tert-Butyl alcohol
Concen: 9.810 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 195860
Ion Ratio Lower Upper
59 100
57 9.3 7.6 11.4

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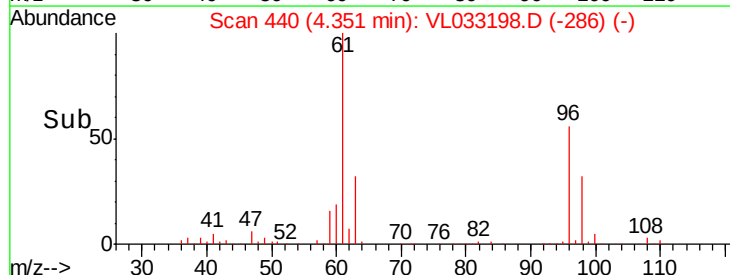
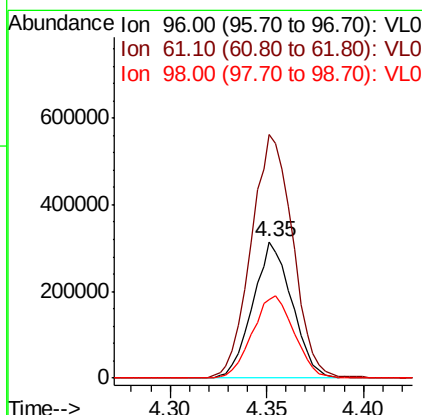
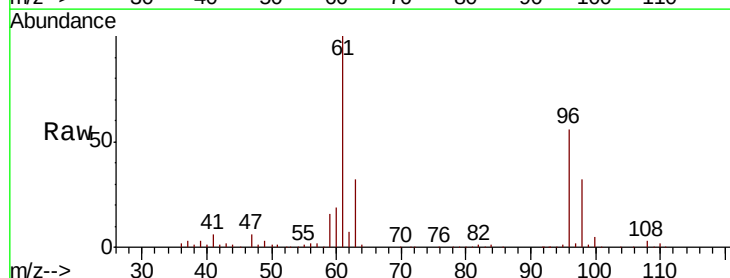
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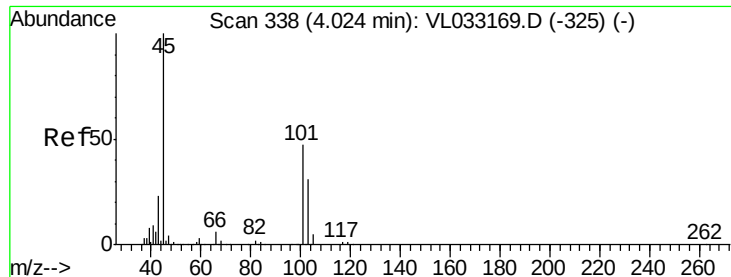


#18

1,1-Dichloroethene
Concen: 9.912 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 96 Resp: 442395
Ion Ratio Lower Upper
96 100
61 178.9 145.0 217.6
98 57.9 50.0 75.0





#19

Isopropyl Alcohol

Concen: 9.748 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 45 Resp: 692335

Ion Ratio Lower Upper

45 100

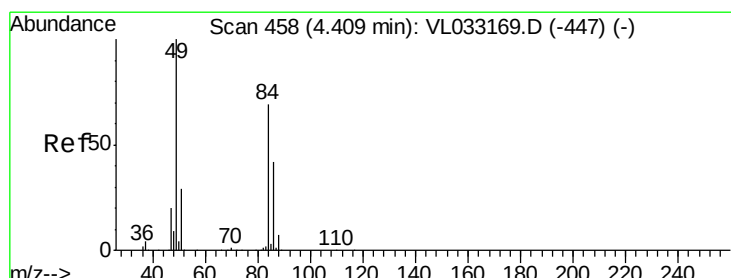
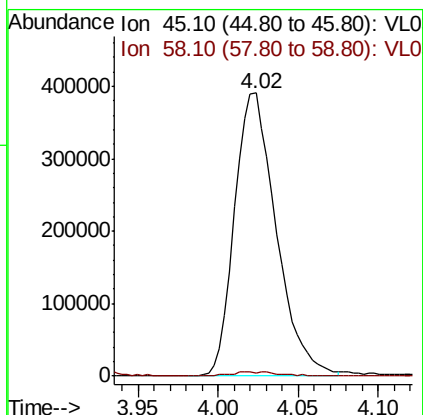
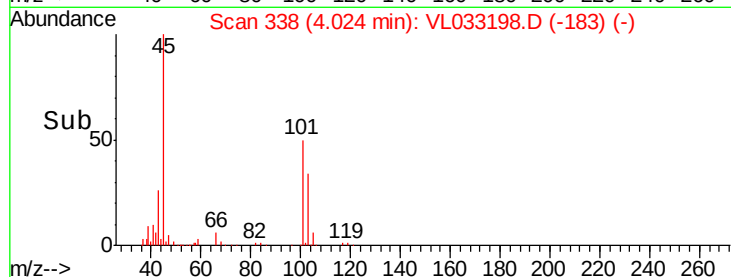
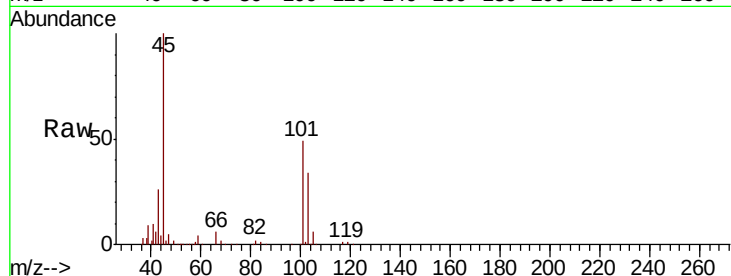
58 1.8 1.5 2.3

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#20

Methylene Chloride

Concen: 9.166 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Tgt Ion: 84 Resp: 381806

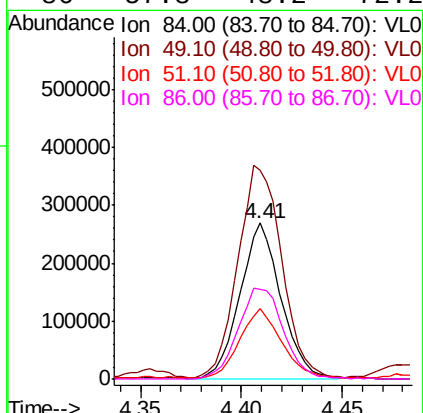
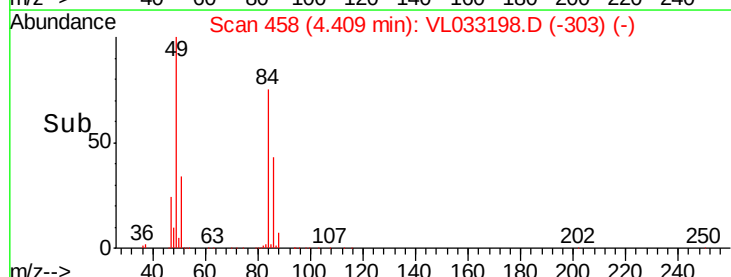
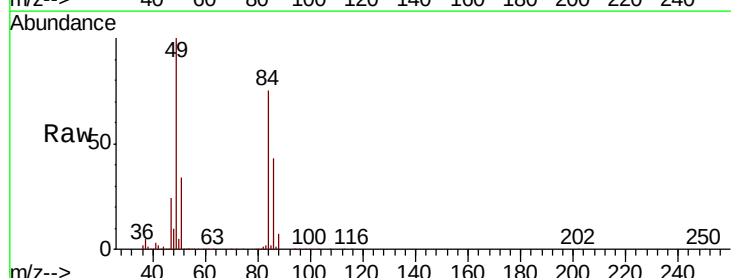
Ion Ratio Lower Upper

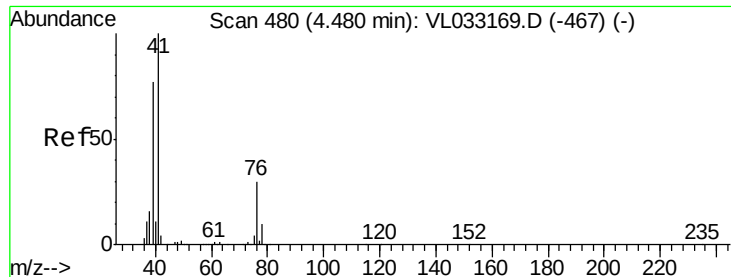
84 100

49 133.3 115.8 173.8

51 44.3 33.0 49.6

86 57.8 48.2 72.2





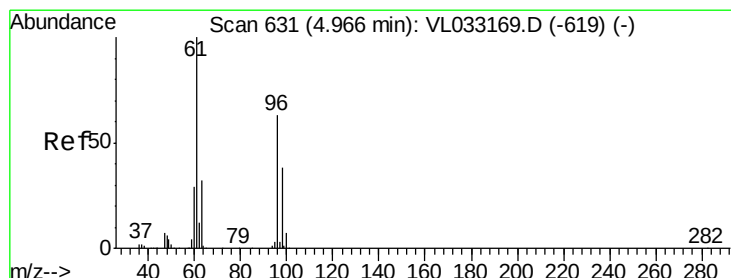
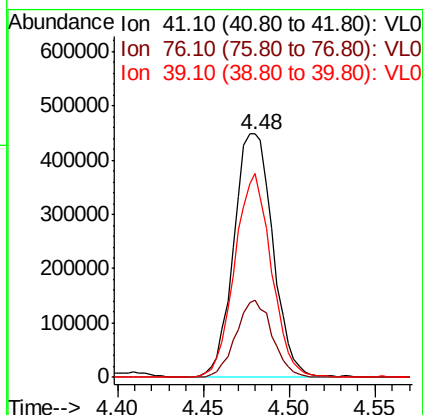
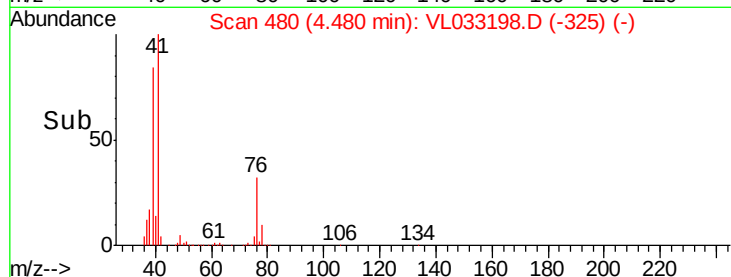
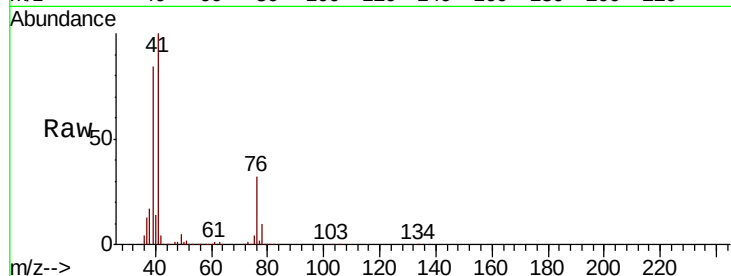
#21
 Allyl Chloride
 Concen: 10.218 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
41	100		
76	29.8	24.5	36.7
39	79.7	64.1	96.1

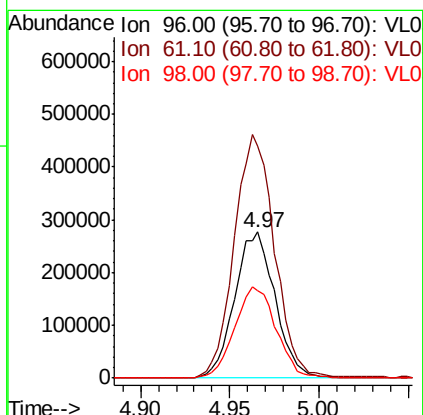
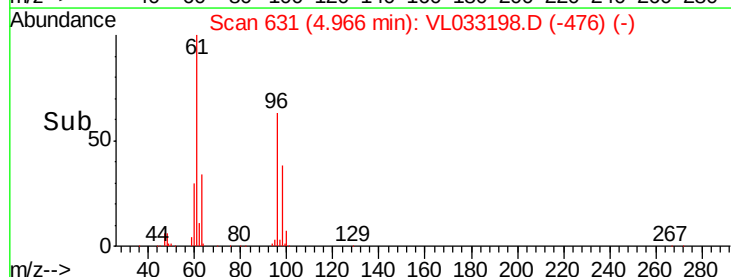
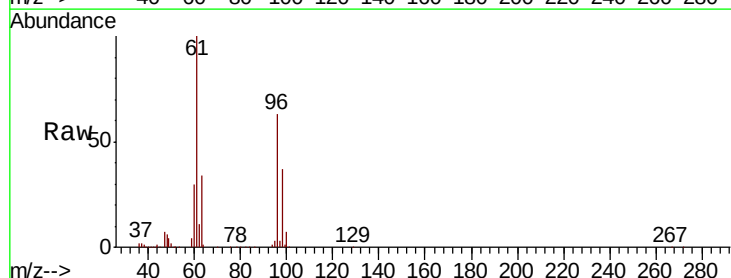
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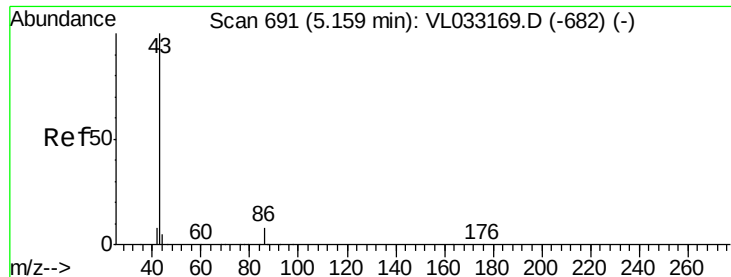
mohammad
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#22
 trans-1,2-Dichloroethene
 Concen: 10.087 ppbv
 RT: 4.97 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.1	126.4	189.6
98	59.6	48.4	72.6





#23
 Vinyl Acetate
 Concen: 10.023 ppbv
 RT: 5.16 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

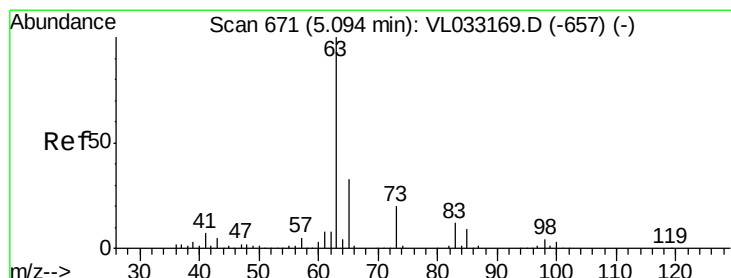
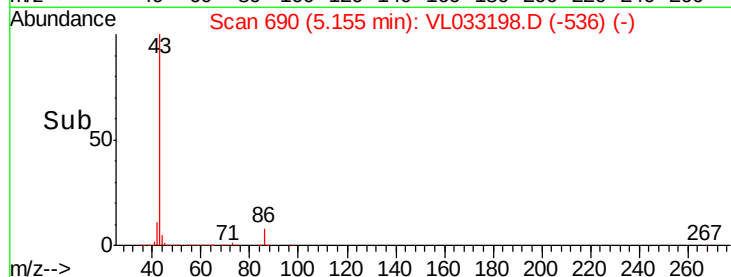
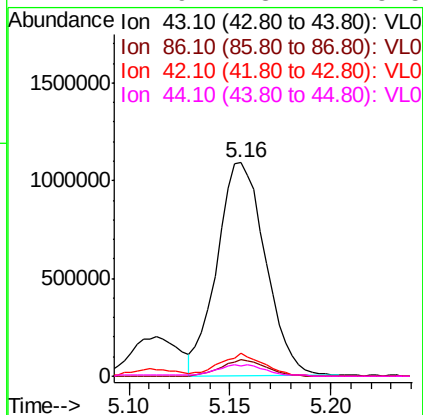
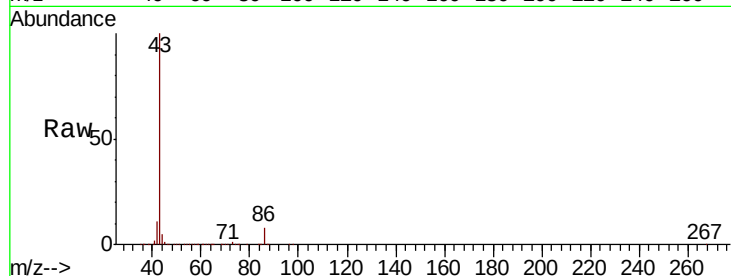
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 1819104

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.8	8.8
42	10.6	7.4	11.0
44	4.9	3.7	5.5

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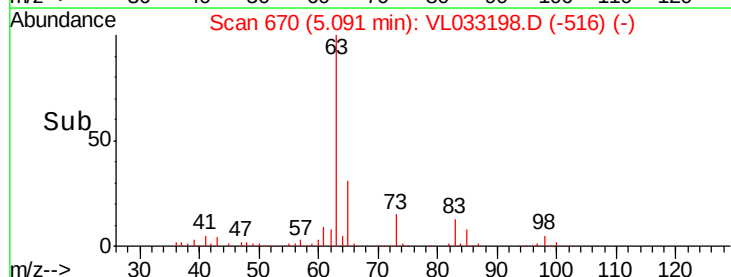
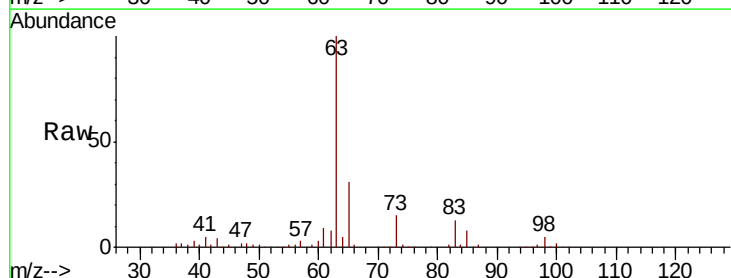
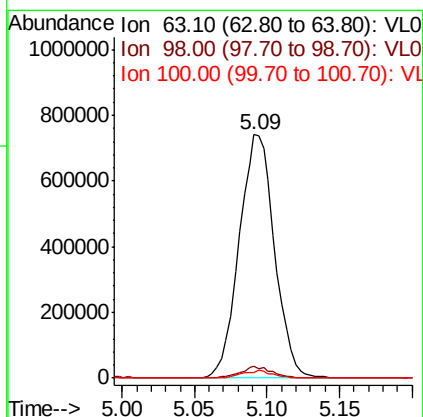
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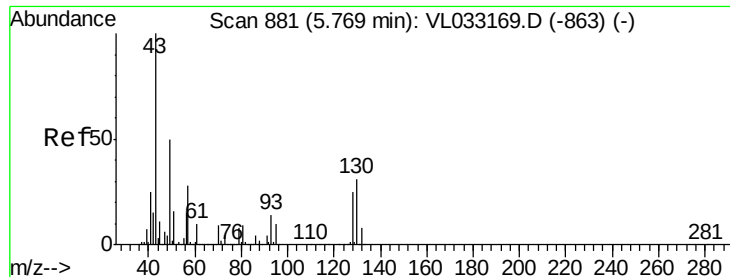


#24
 1,1-Dichloroethane
 Concen: 9.721 ppbv
 RT: 5.09 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Tgt Ion: 63 Resp: 1247939

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	2.4	1.4	4.2





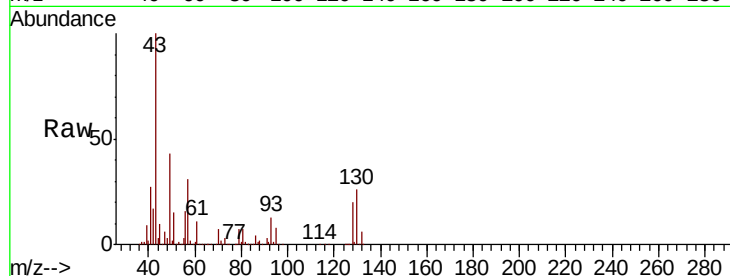
#25
Ethyl Acetate
Concen: 9.348 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

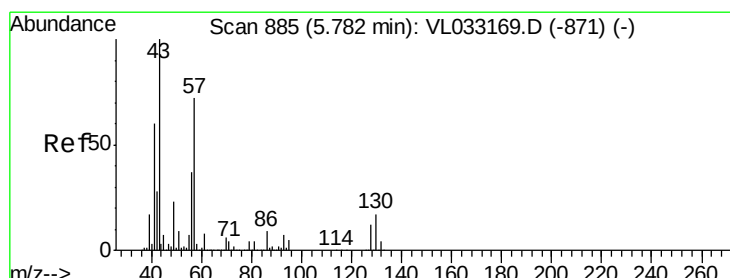
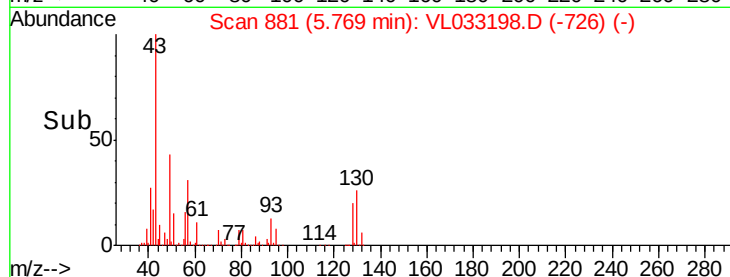
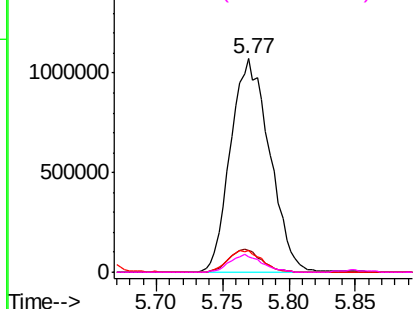
Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.9	11.9
61	9.0	7.5	11.3
70	6.9	5.8	8.8

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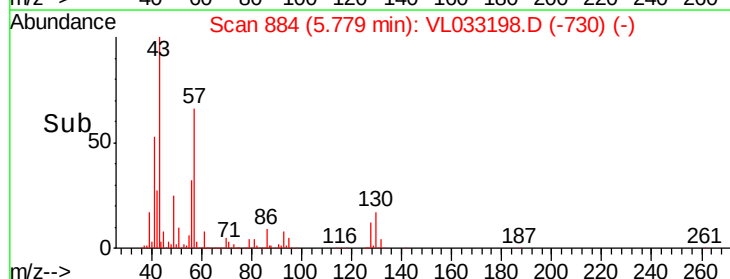
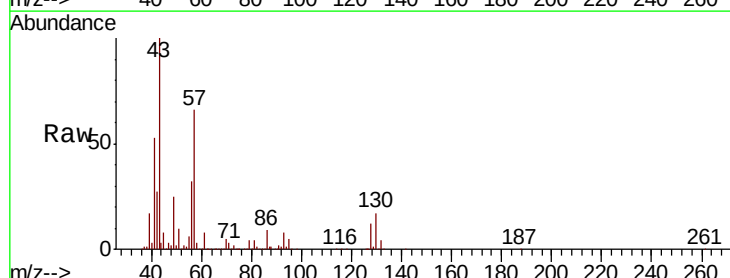
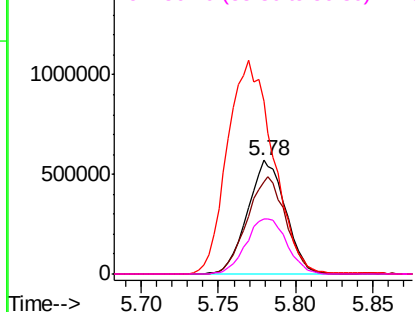
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

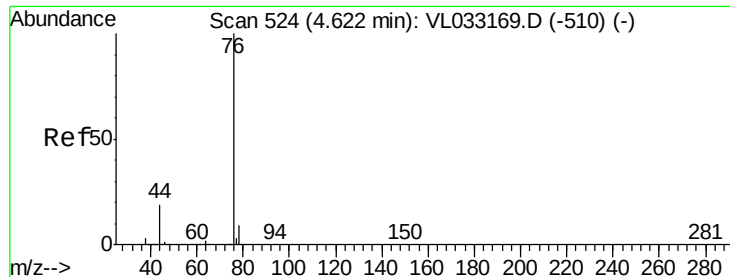


#26
Hexane
Concen: 8.822 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.0	69.4	104.2
43	226.8	176.7	265.1
56	52.0	41.4	62.0

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.720 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 1085584

Ion Ratio Lower Upper

76 100

44 19.1 15.0 22.4

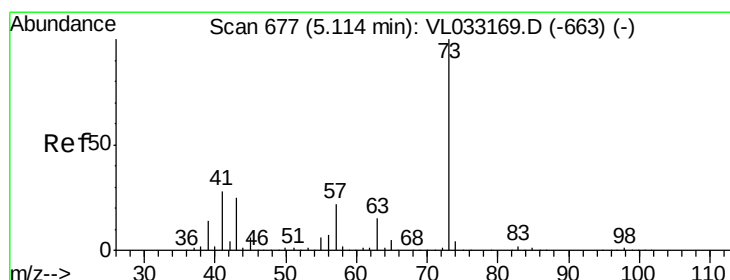
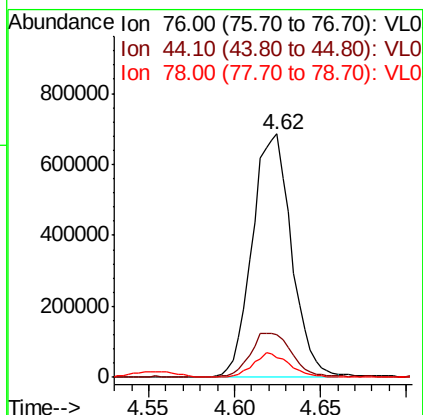
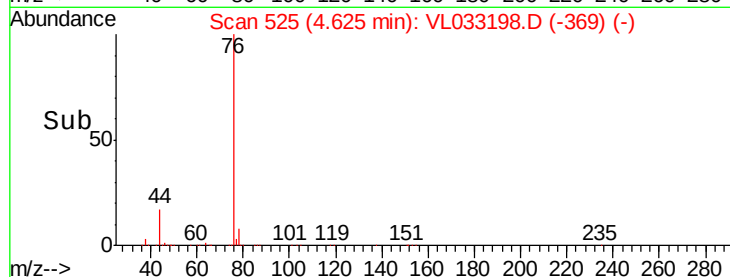
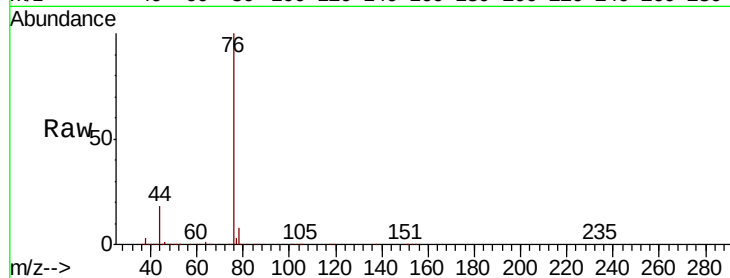
78 9.3 7.4 11.0

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mohammad

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#28

Methyl tert-Butyl Ether

Concen: 9.477 ppbv

RT: 5.11 min Scan# 677

Delta R.T. -0.00 min

Lab File: VL033198.D

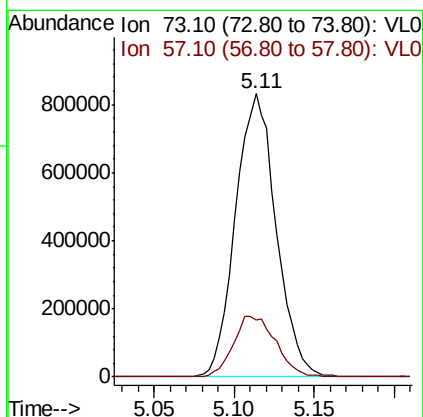
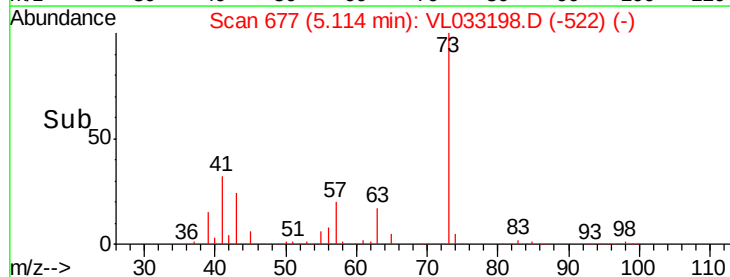
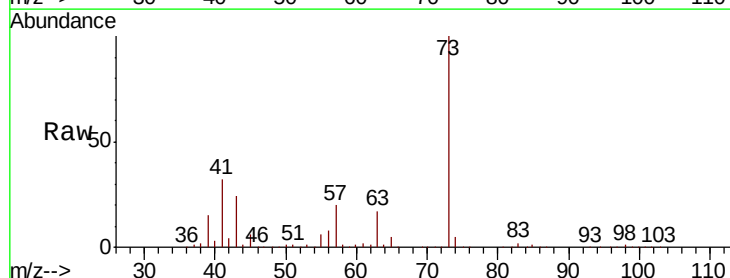
Acq: 13 Feb 2019 22:20

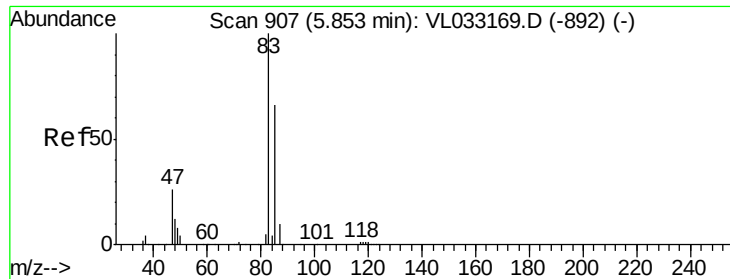
Tgt Ion: 73 Resp: 1431476

Ion Ratio Lower Upper

73 100

57 22.7 17.9 26.9





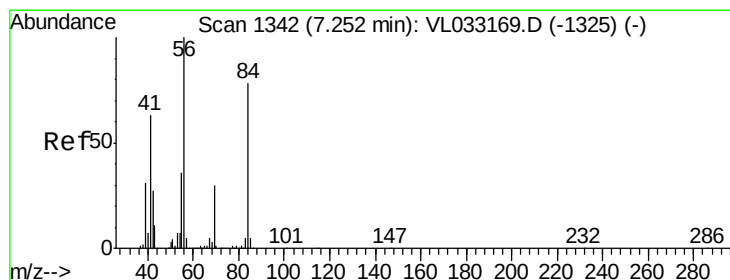
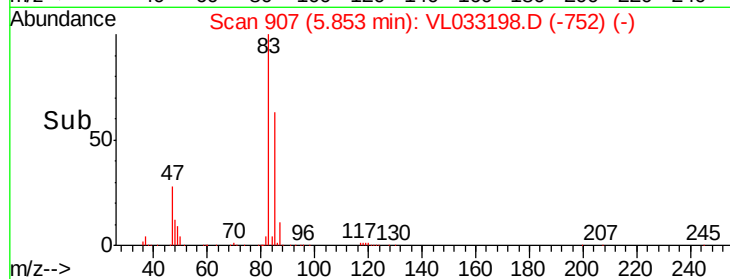
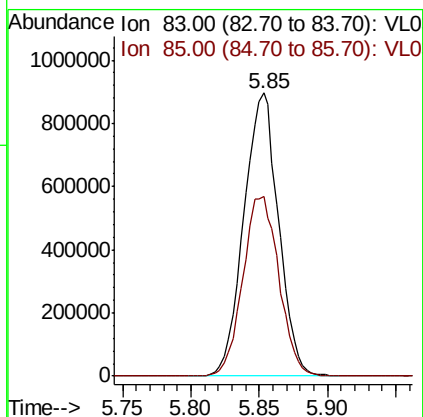
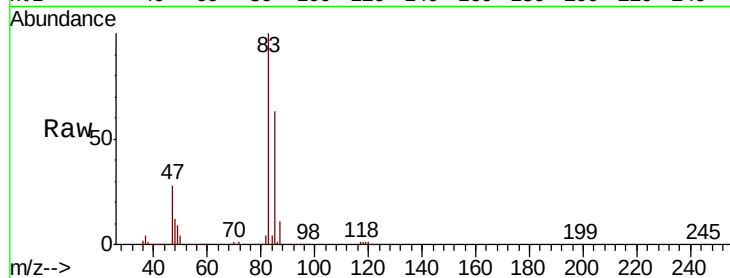
#29
Chloroform
Concen: 9.366 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1586538
Ion Ratio Lower Upper
83 100
85 63.3 52.6 78.8

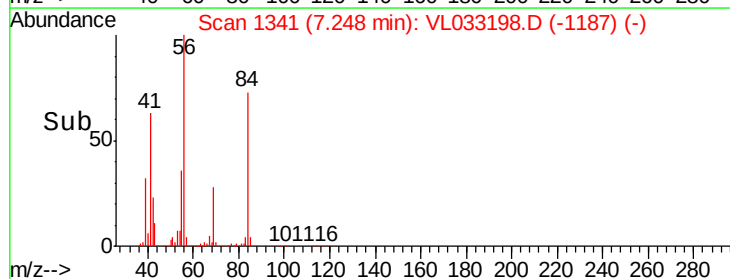
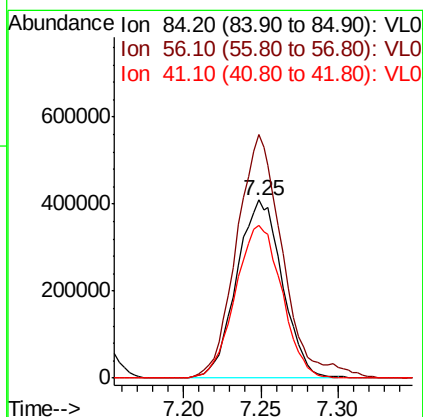
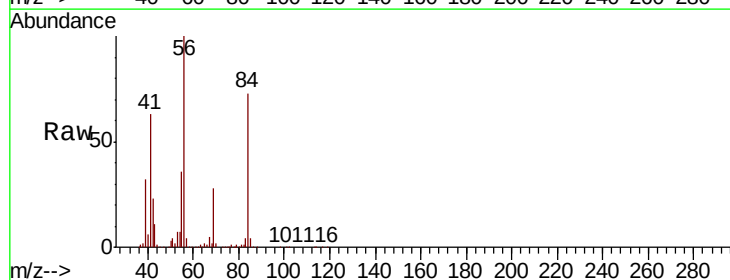
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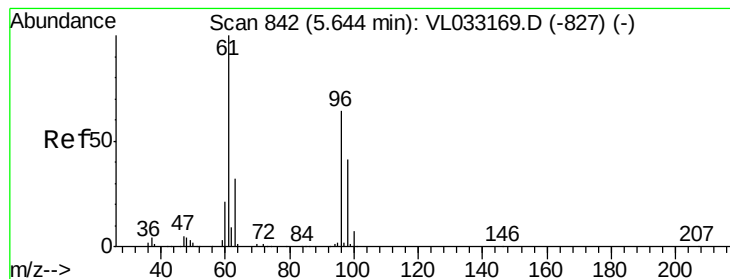
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#30
Cyclohexane
Concen: 8.198 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 84 Resp: 840808
Ion Ratio Lower Upper
84 100
56 138.0 109.5 164.3
41 87.3 66.6 100.0





#31

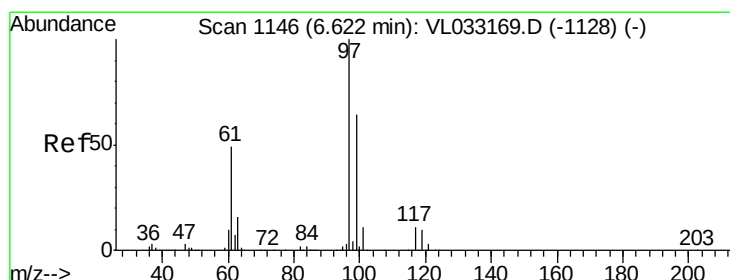
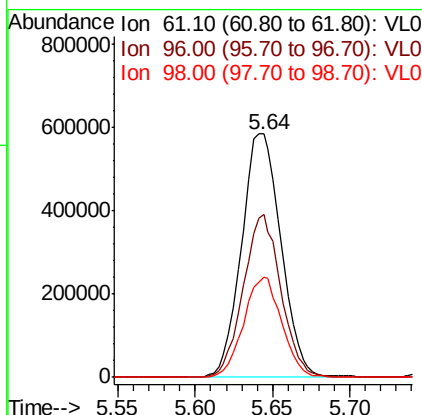
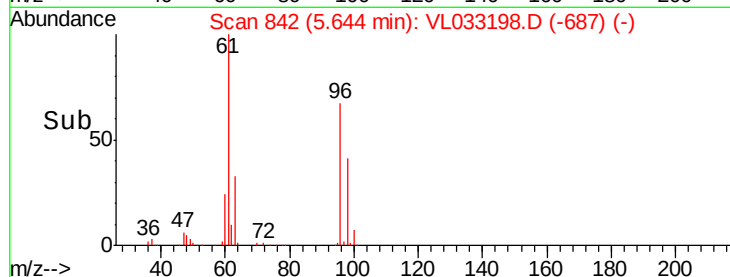
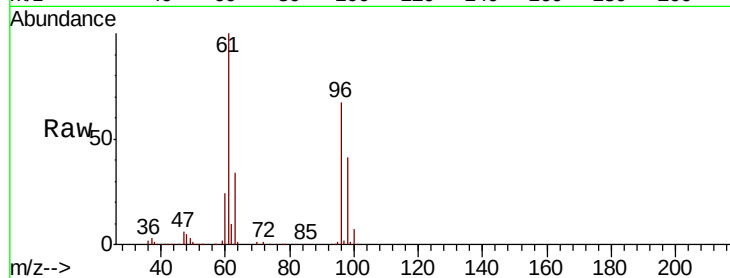
cis-1,2-Dichloroethene
 Concen: 9.399 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
61	100		
96	67.1	51.2	76.8
98	41.0	32.8	49.2

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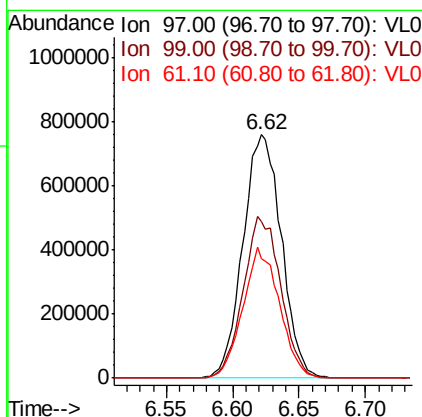
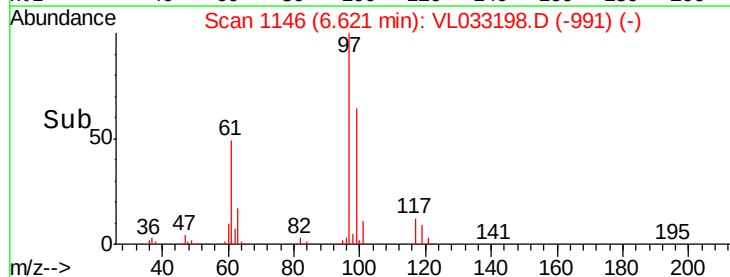
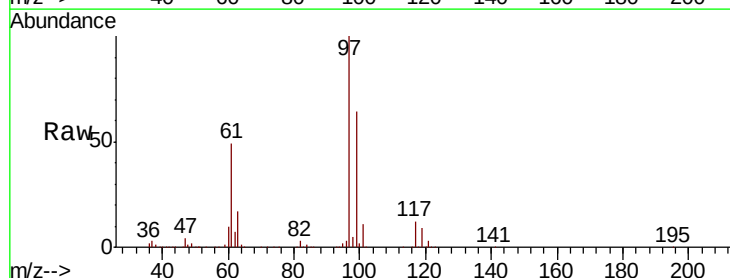
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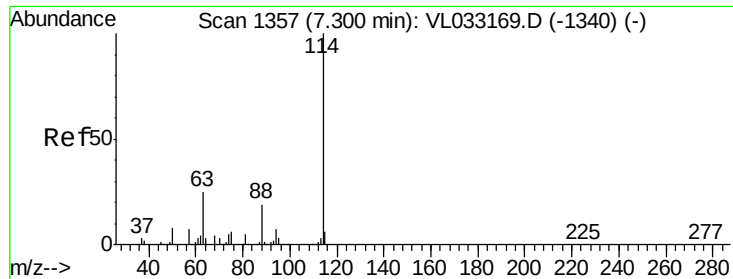


#32

1,1,1-Trichloroethane
 Concen: 8.223 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.2
61	51.0	38.9	58.3





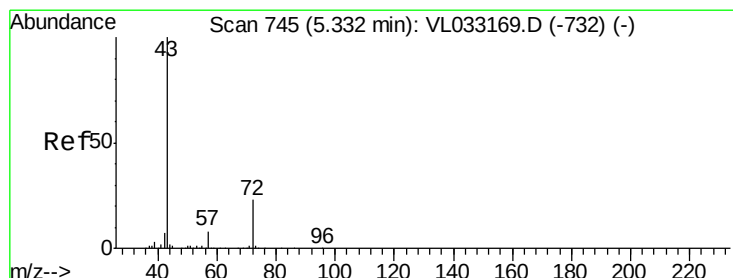
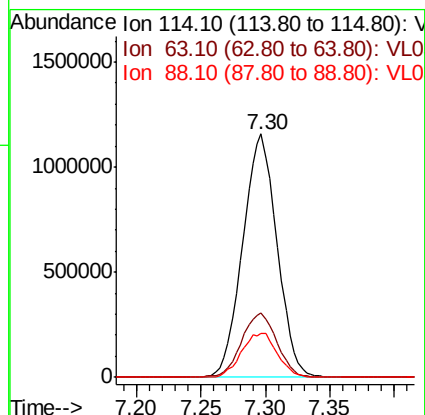
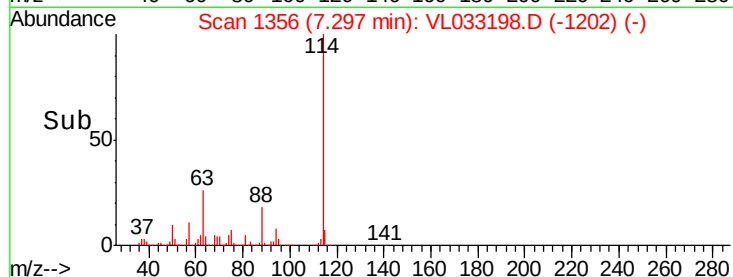
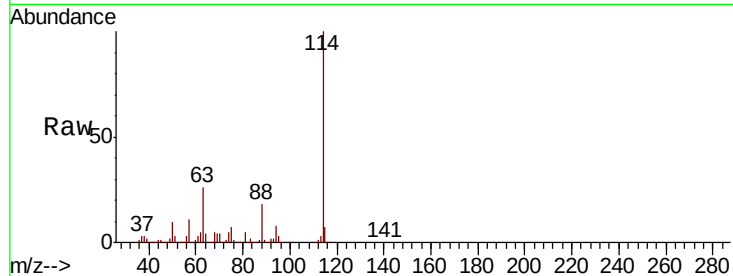
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 2142721
 Ion Ratio Lower Upper
 114 100
 63 27.5 20.8 31.2
 88 18.9 14.6 22.0

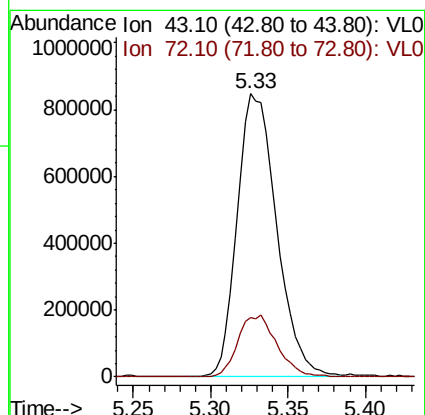
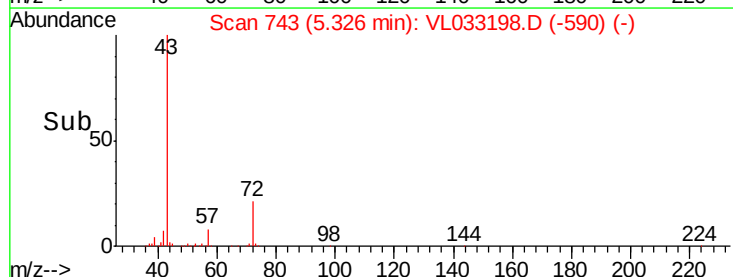
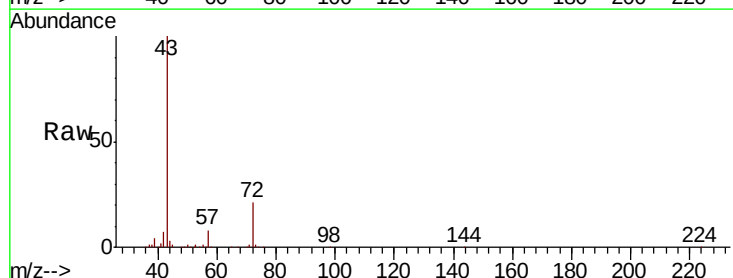
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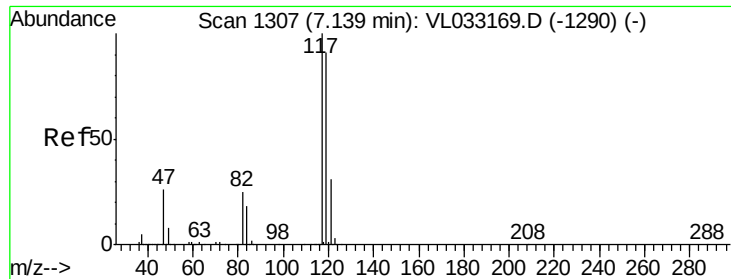
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#34
 2-Butanone
 Concen: 11.040 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Tgt Ion: 43 Resp: 1500467
 Ion Ratio Lower Upper
 43 100
 72 21.6 17.8 26.6





#35

Carbon Tetrachloride

Concen: 9.826 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 117 Resp: 1607997

Ion Ratio Lower Upper

117 100

119 90.4 73.0 109.6

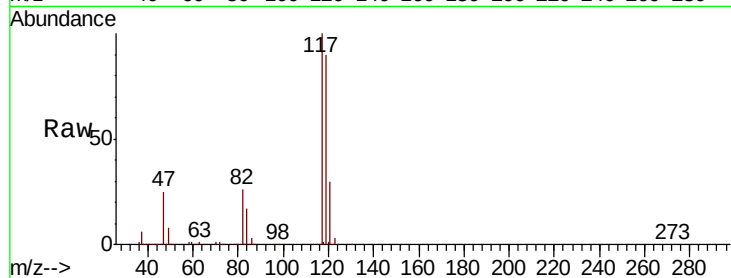
121 30.5 25.1 37.7

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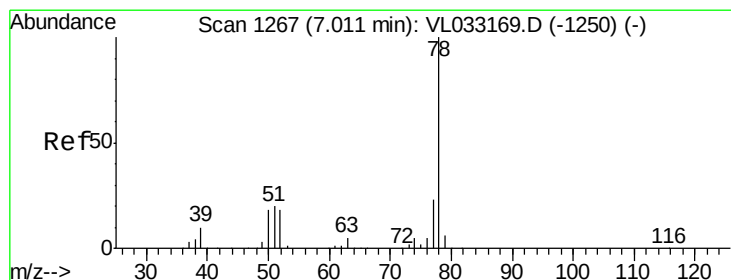
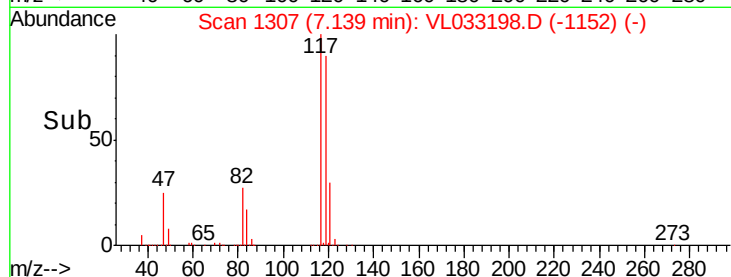
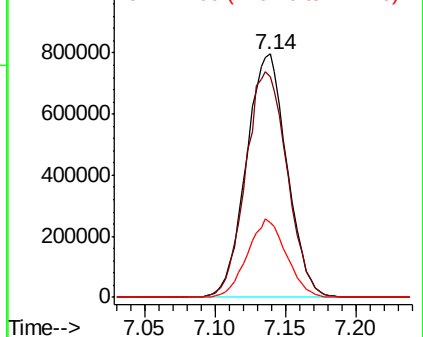


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.411 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

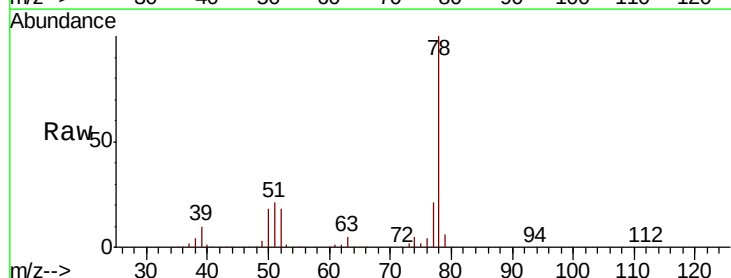
Tgt Ion: 78 Resp: 2043719

Ion Ratio Lower Upper

78 100

77 21.3 18.0 27.0

50 17.9 14.2 21.2

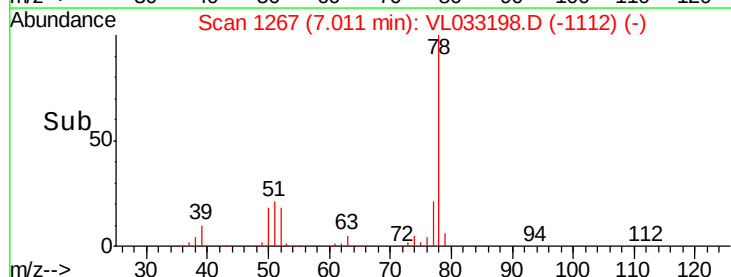
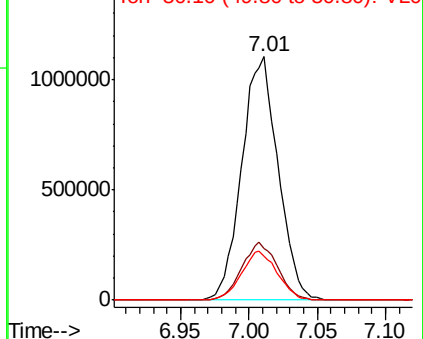


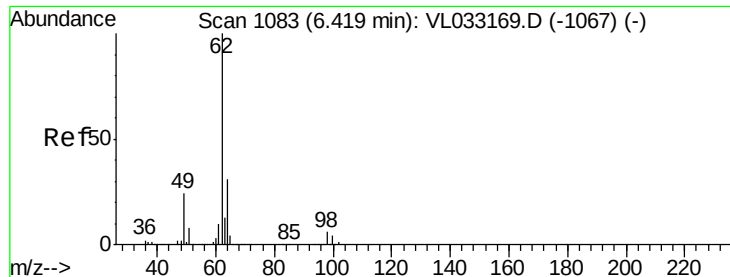
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





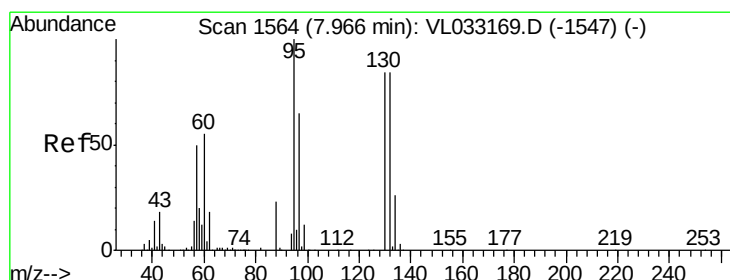
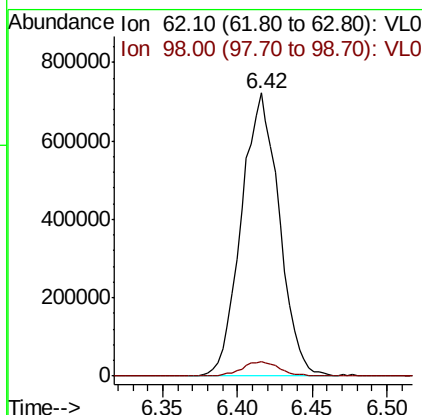
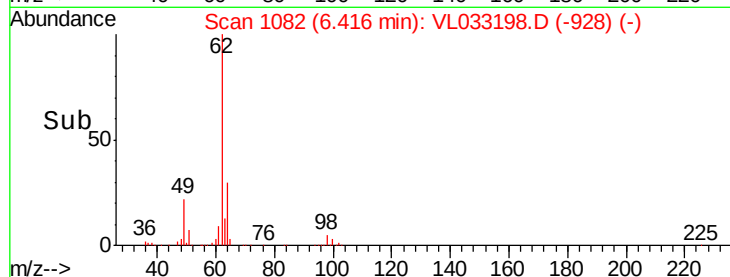
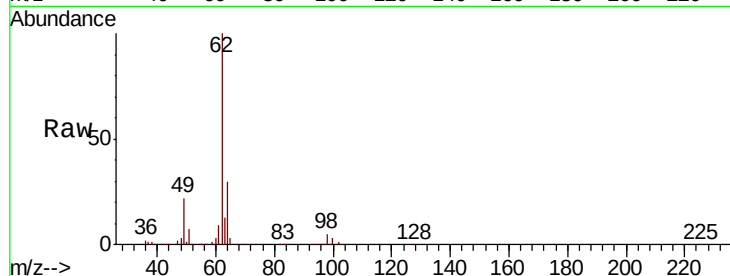
#37
1,2-Dichloroethane
Concen: 10.597 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 1275353
Ion Ratio Lower Upper
62 100
98 5.2 4.7 7.1

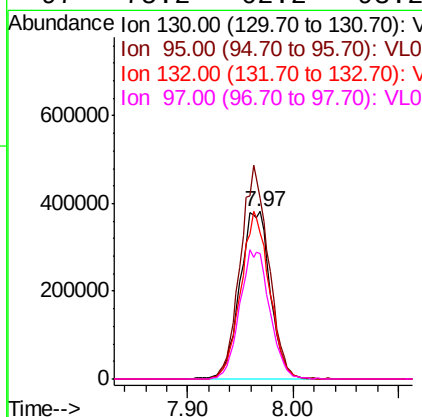
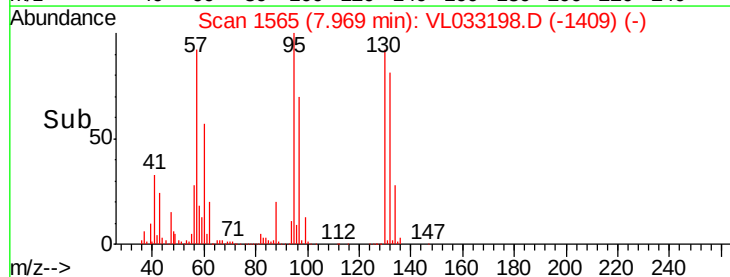
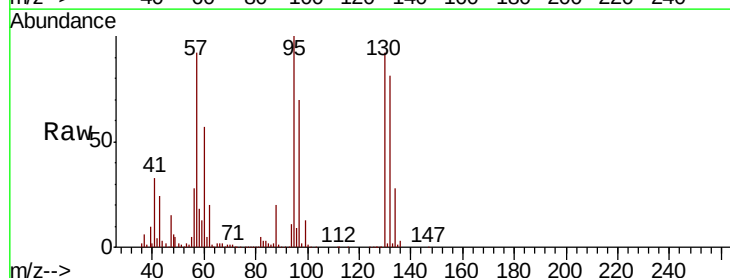
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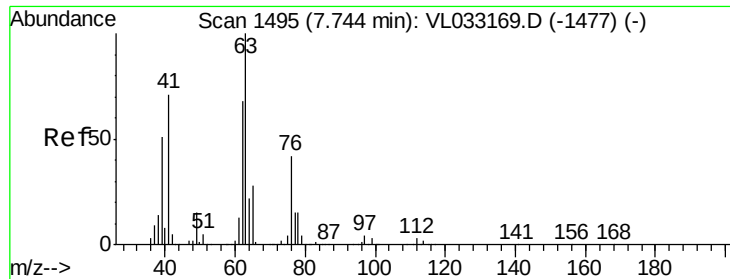
mohammad
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#38
Trichloroethene
Concen: 8.186 ppbv m
RT: 7.97 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 130 Resp: 761291
Ion Ratio Lower Upper
130 100
95 108.1 95.5 143.3
132 87.3 80.0 120.0
97 75.2 62.2 93.2





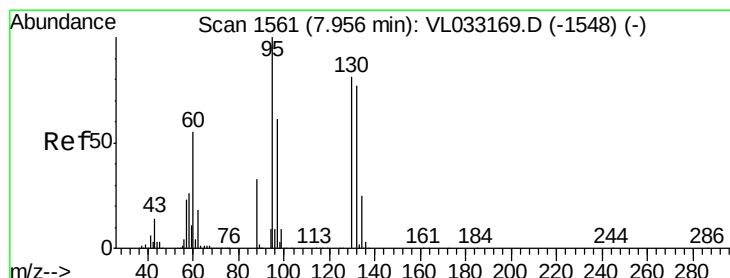
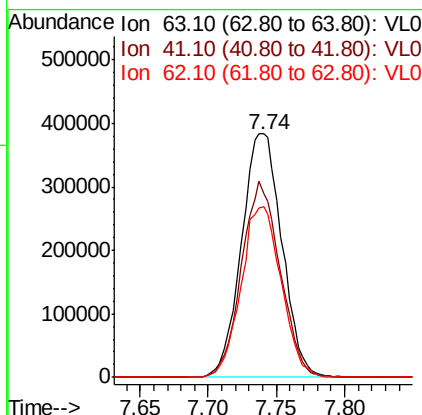
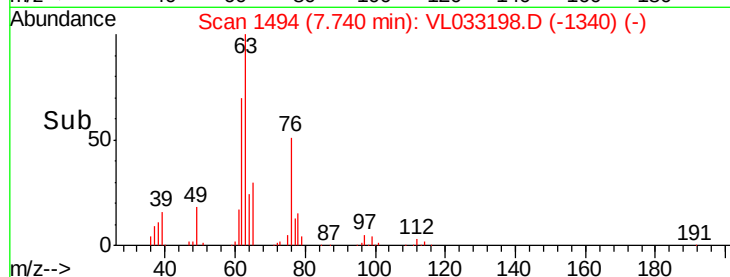
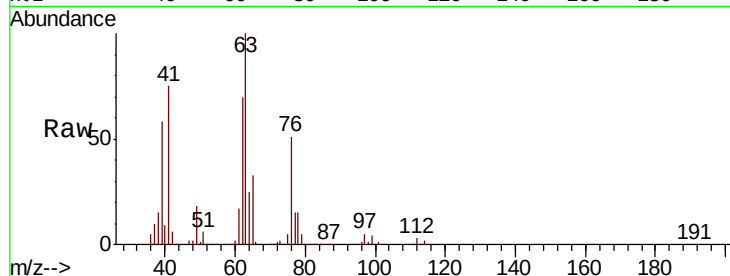
#39
 1,2-Dichloropropane
 Concen: 9.188 ppbv
 RT: 7.74 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
63	100		
41	75.4	56.4	84.6
62	69.8	54.2	81.4

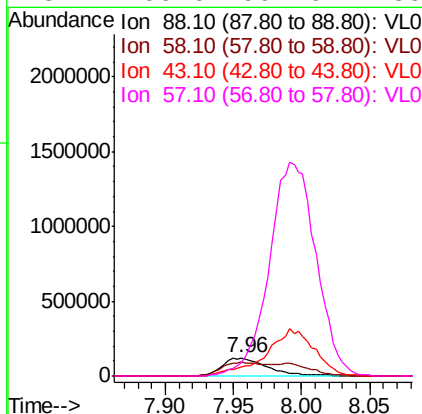
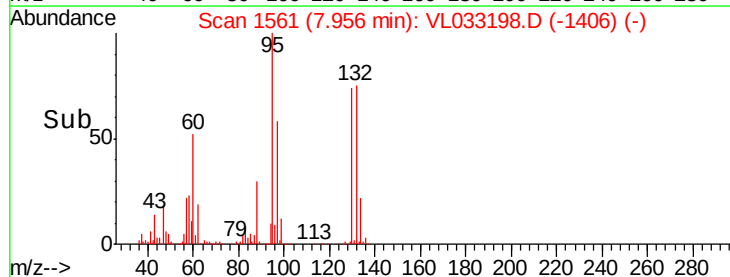
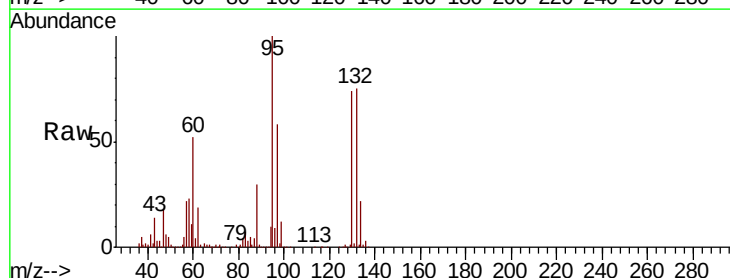
Manual Integrations
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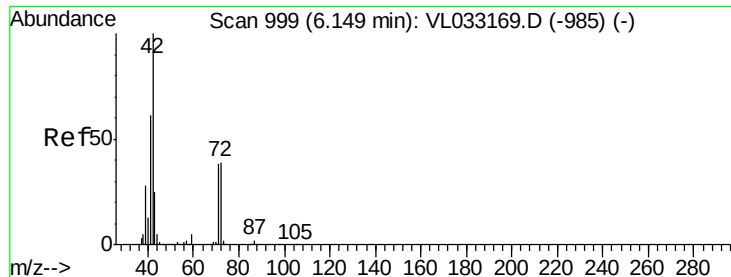
mohammad
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#40
 1,4-Dioxane
 Concen: 8.699 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	135.4	106.6	160.0
43	284.6	220.2	330.2
57	1260.6	992.6	1489.0





#41

Tetrahydrofuran

Concen: 10.195 ppbv

RT: 6.15 min Scan# 999

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

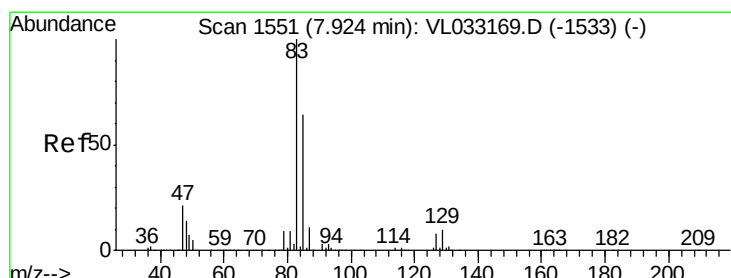
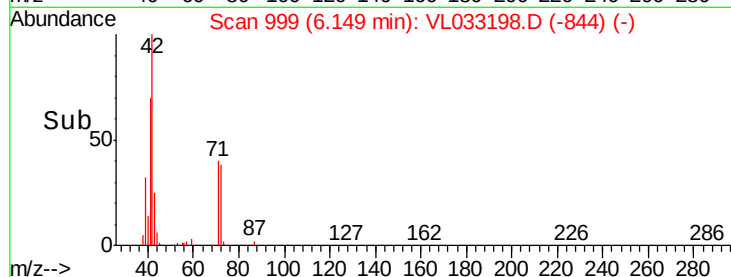
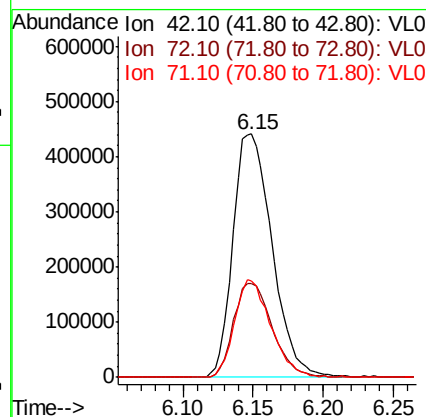
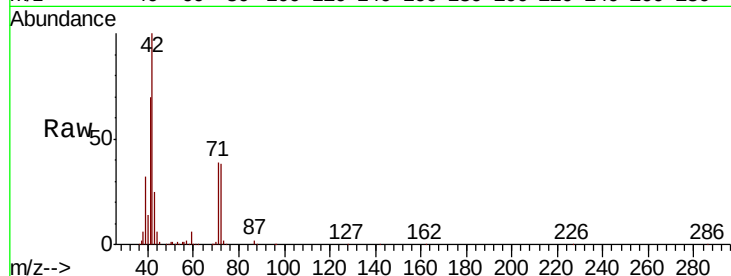
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	42	Resp:	857703
Ion Ratio		Lower	Upper
42	100		
72	38.5	31.6	47.4
71	37.6	30.3	45.5

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#42

Bromodichloromethane

Concen: 10.103 ppbv

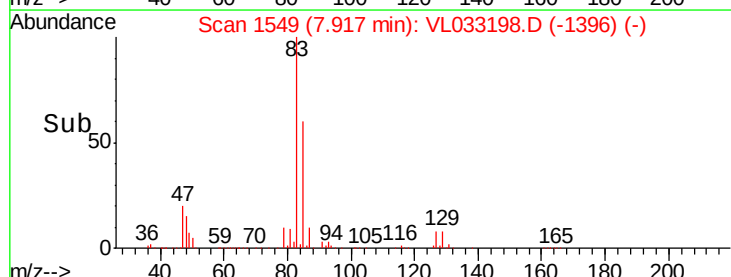
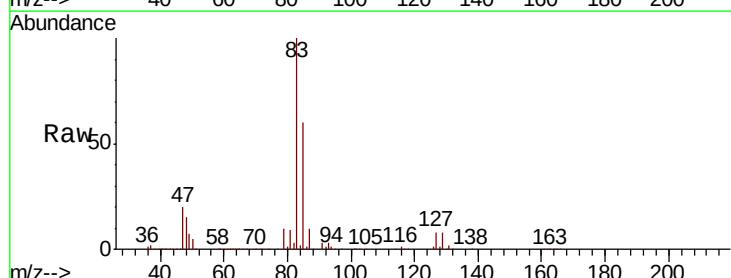
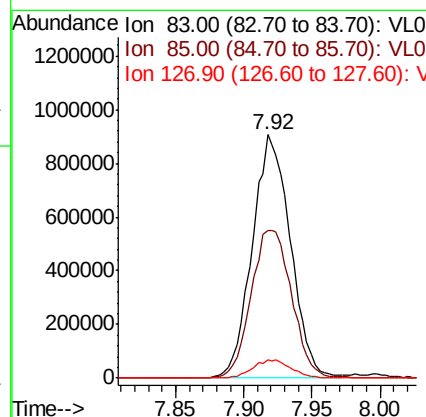
RT: 7.92 min Scan# 1549

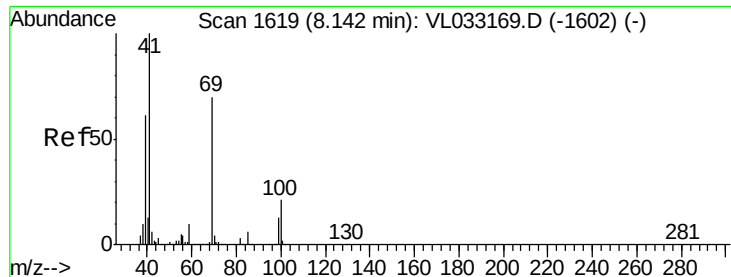
Delta R.T. -0.01 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Tgt Ion:	83	Resp:	1762048
Ion Ratio		Lower	Upper
83	100		
85	60.4	51.1	76.7
127	7.7	6.4	9.6





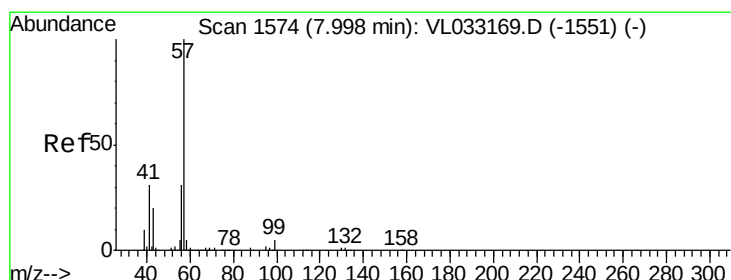
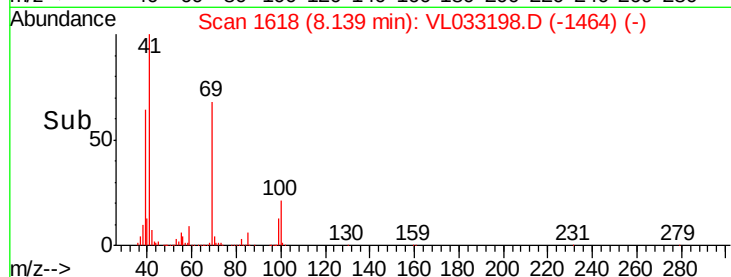
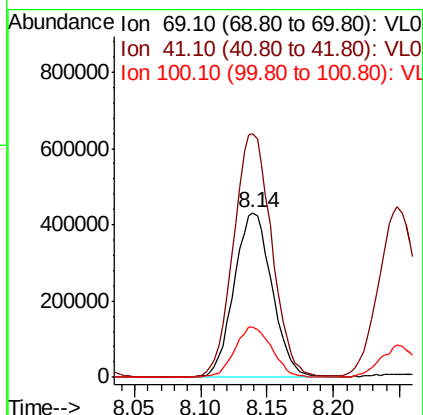
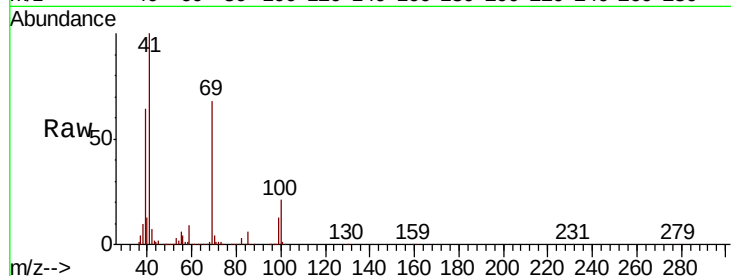
#43
Methyl Methacrylate
Concen: 9.850 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 858746
Ion Ratio Lower Upper
69 100
41 148.7 117.1 175.7
100 30.1 25.0 37.6

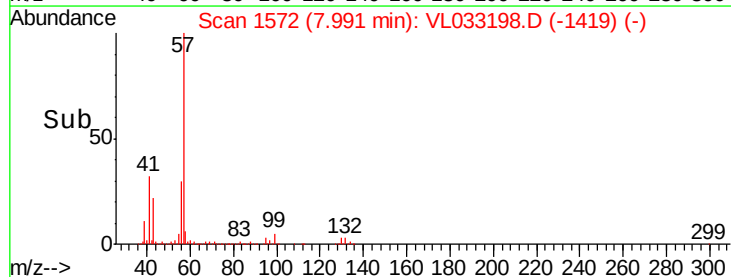
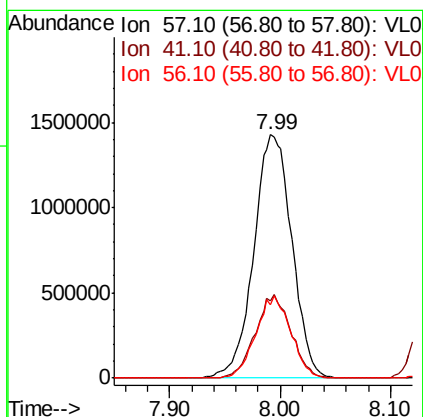
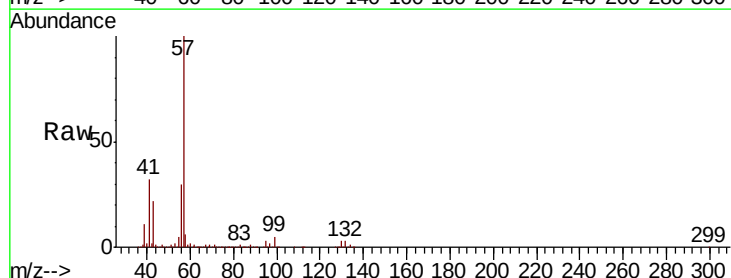
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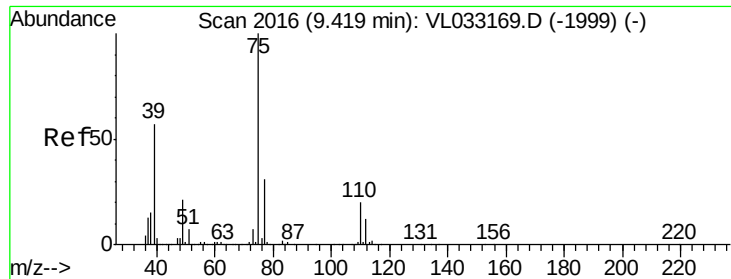
mohammad
2/16/2019 1:27:45 AM



#44
2,2,4-Trimethylpentane
Concen: 9.270 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 57 Resp: 3411365
Ion Ratio Lower Upper
57 100
41 32.3 25.1 37.7
56 30.8 24.5 36.7





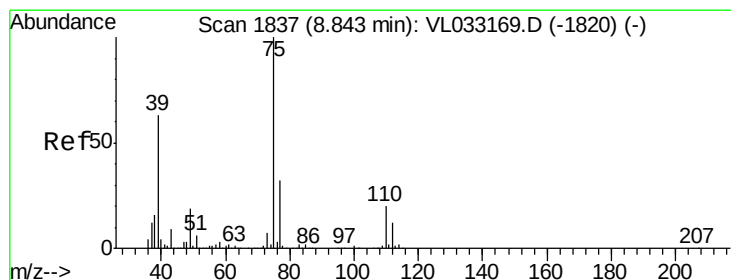
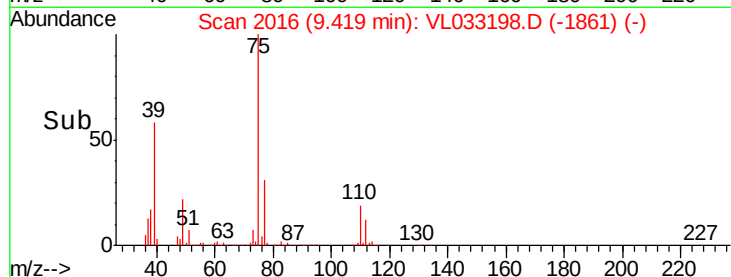
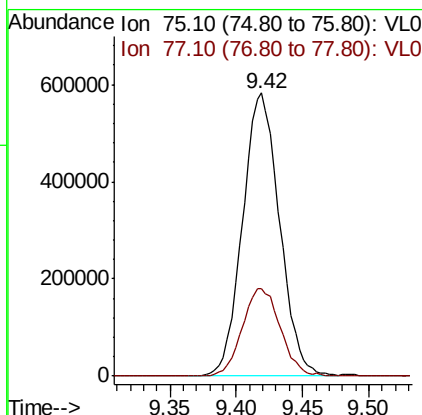
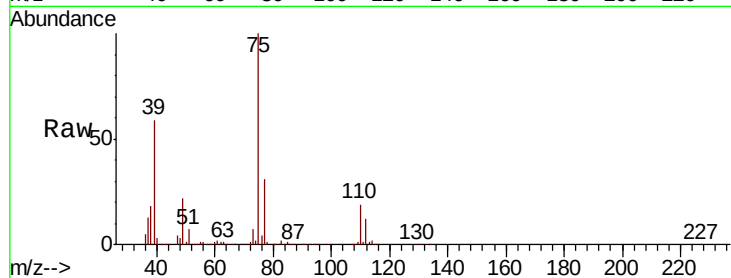
#45
 t-1,3-Dichloropropene
 Concen: 11.661 ppbv
 RT: 9.42 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 75 Resp: 1129425
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.0 37.4

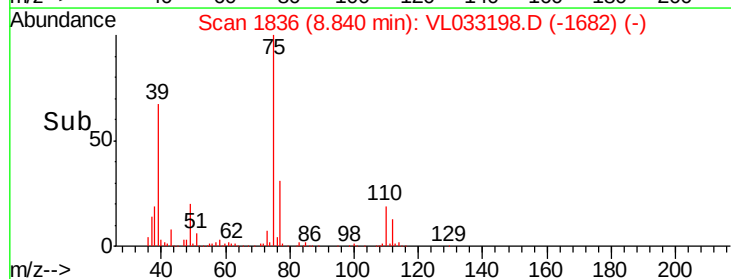
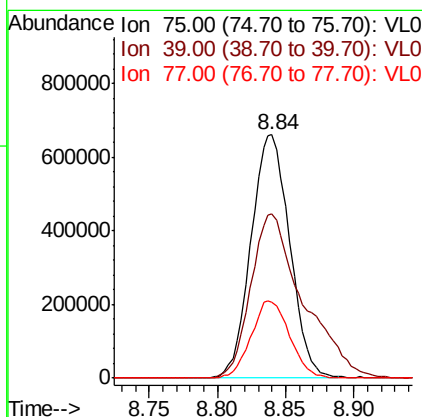
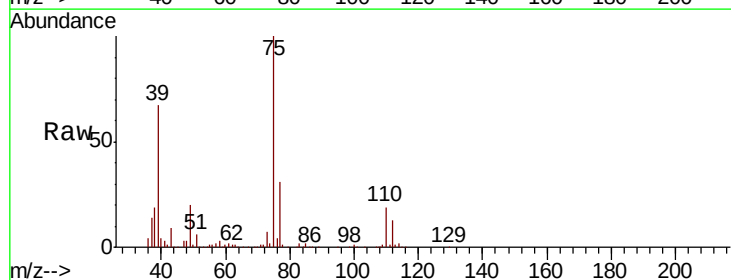
Manual Integrations
 APPROVED

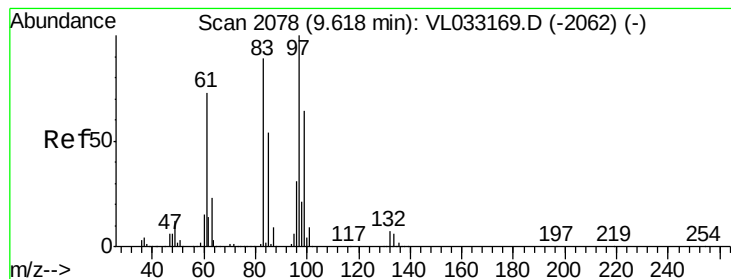
mohammad
 2/16/2019 1:27:45 AM



#46
 cis-1,3-Dichloropropene
 Concen: 10.545 ppbv
 RT: 8.84 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Tgt Ion: 75 Resp: 1300881
 Ion Ratio Lower Upper
 75 100
 39 67.3 50.1 75.1
 77 31.4 25.4 38.2





#47

1,1,2-Trichloroethane

Concen: 9.504 ppbv

RT: 9.62 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

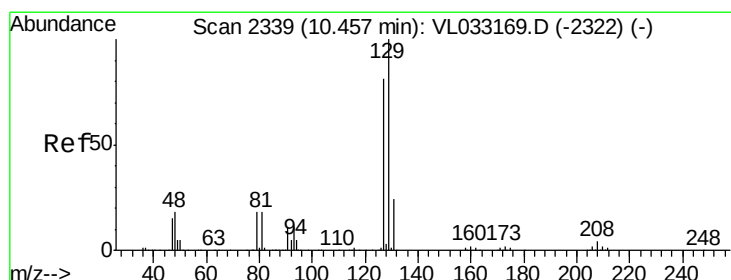
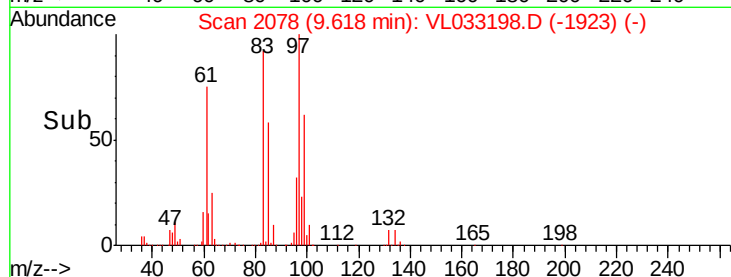
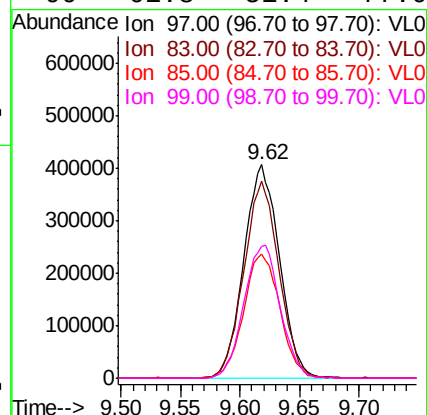
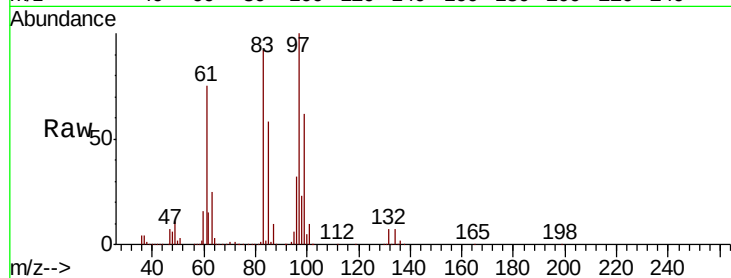
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	97	Resp:	845912
Ion Ratio	Lower	Upper	
97	100		
83	92.0	71.4	107.2
85	57.9	43.5	65.3
99	61.8	51.4	77.0

Manual Integrations
APPROVED

mohammad
2/16/2019 1:27:45 AM



#48

Dibromochloromethane

Concen: 10.561 ppbv

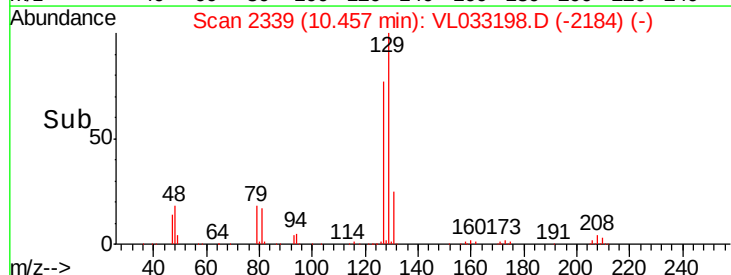
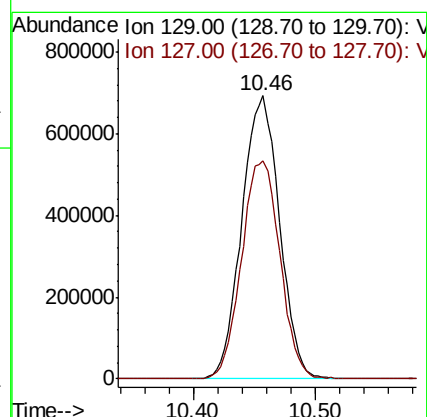
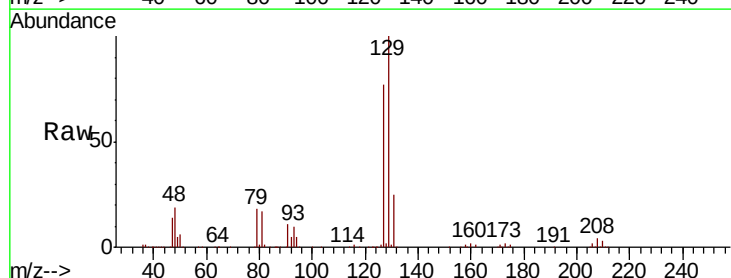
RT: 10.46 min Scan# 2339

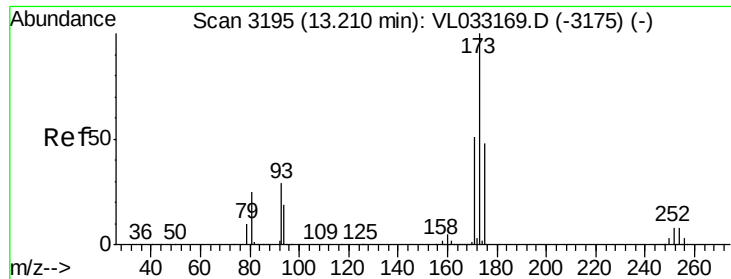
Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Tgt Ion:	129	Resp:	1479835
Ion Ratio	Lower	Upper	
129	100		
127	78.5	39.1	117.3





#49

Bromoform

Concen: 11.003 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:173 Resp: 1326415

Ion Ratio Lower Upper

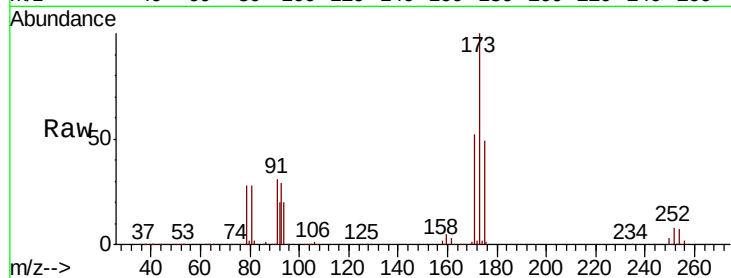
173 100

175 48.9 38.6 58.0

171 51.4 41.6 62.4

Manual Integrations
APPROVED

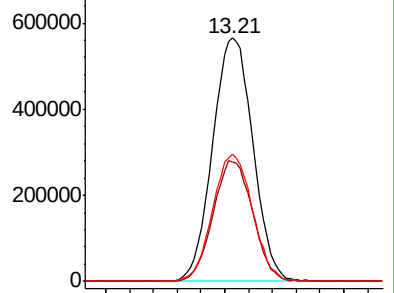
mohammad
2/16/2019 1:27:45 AM



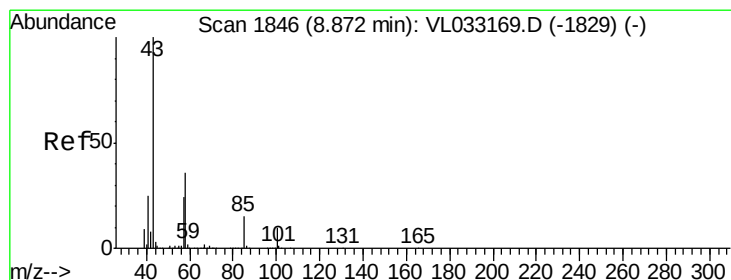
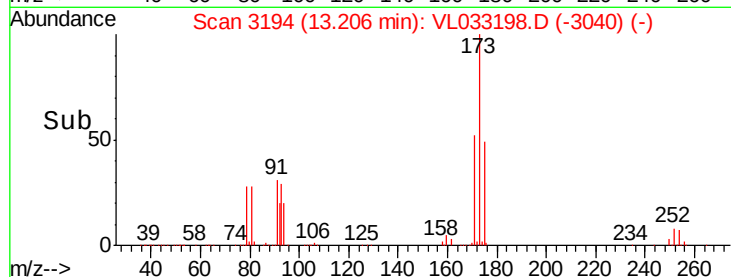
Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



Time-->



#50

4-Methyl-2-Pentanone

Concen: 9.994 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL033198.D

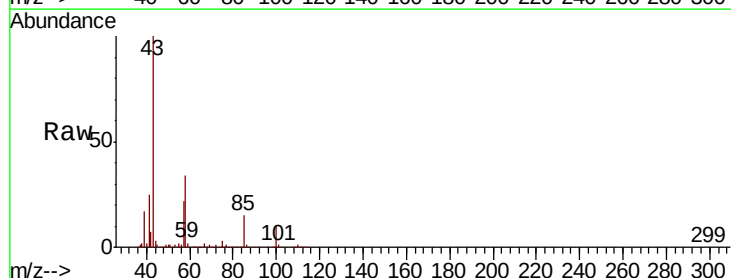
Acq: 13 Feb 2019 22:20

Tgt Ion: 43 Resp: 2178142

Ion Ratio Lower Upper

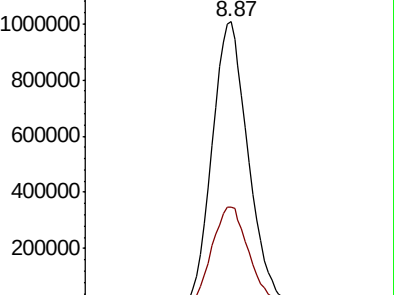
43 100

58 35.5 29.0 43.6

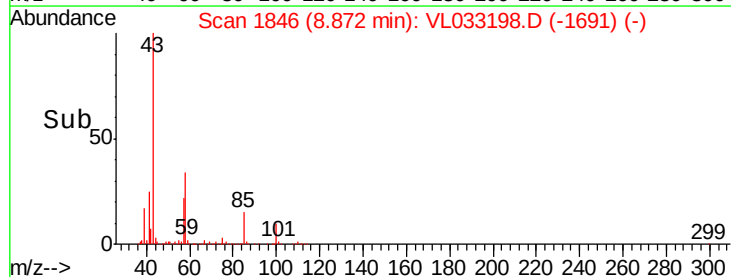


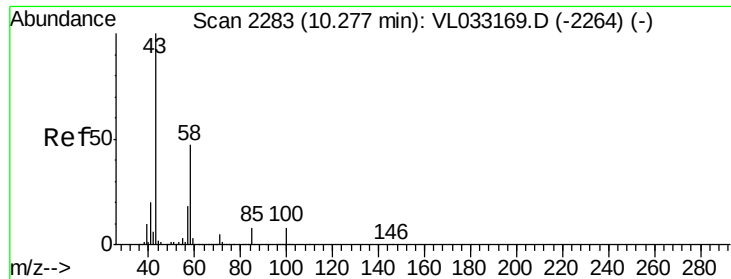
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



Time-->





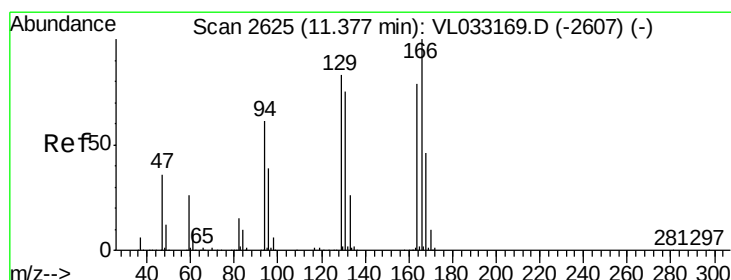
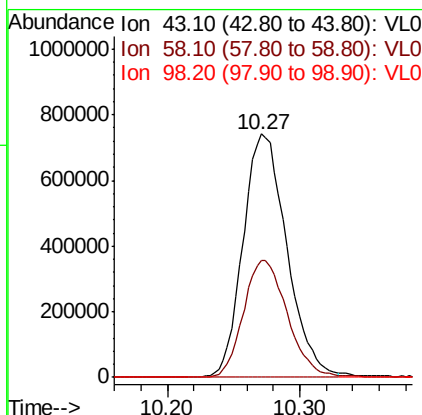
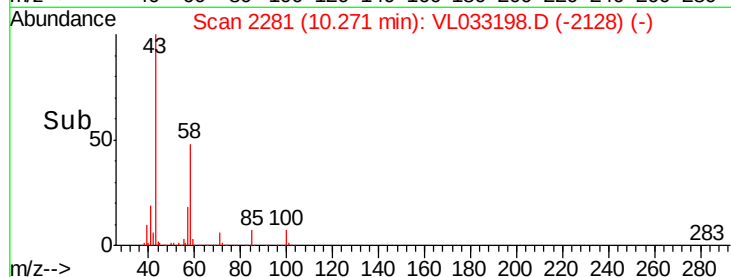
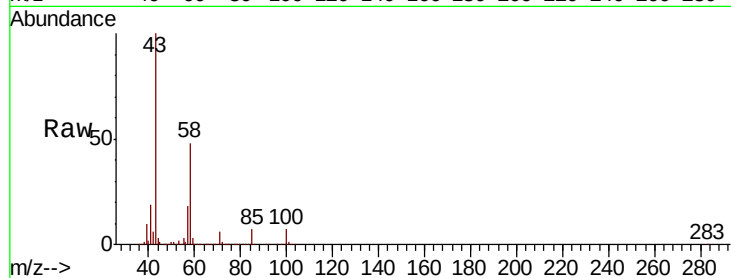
#51
2-Hexanone
Concen: 9.895 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1700304
Ion Ratio Lower Upper
43 100
58 48.6 39.1 58.7
98 0.2 0.2 0.2

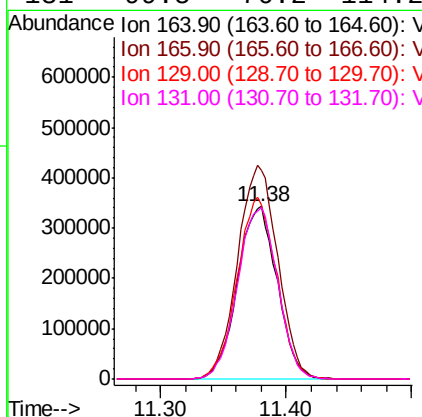
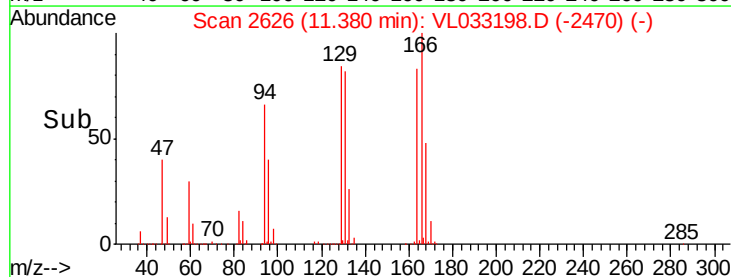
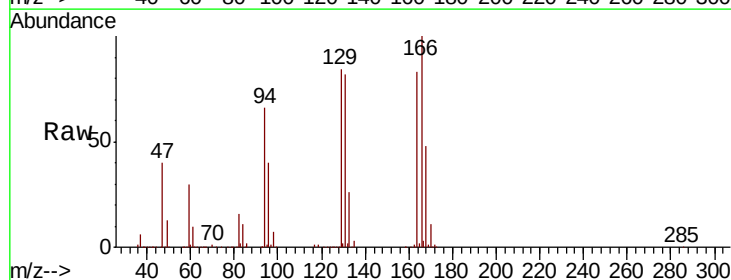
Manual Integrations
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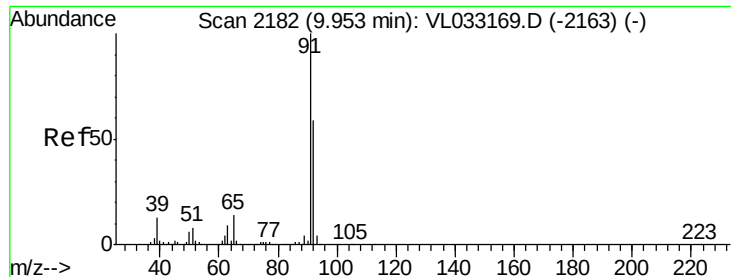
mohammad
2/16/2019 1:27:45 AM



#52
Tetrachloroethene
Concen: 9.043 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 164 Resp: 754456
Ion Ratio Lower Upper
164 100
166 120.5 100.9 151.3
129 100.7 83.9 125.9
131 99.5 76.2 114.2





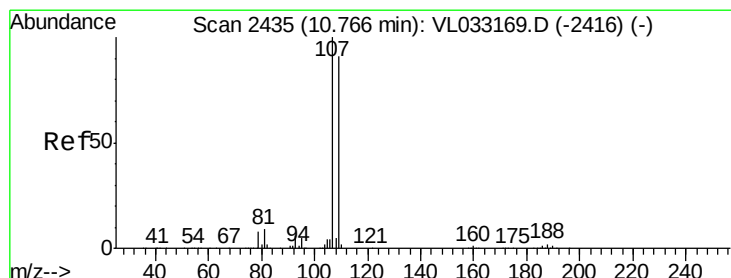
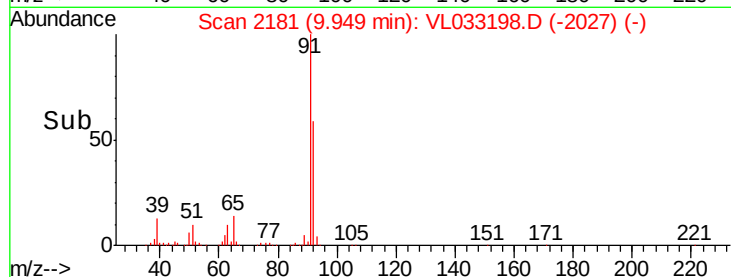
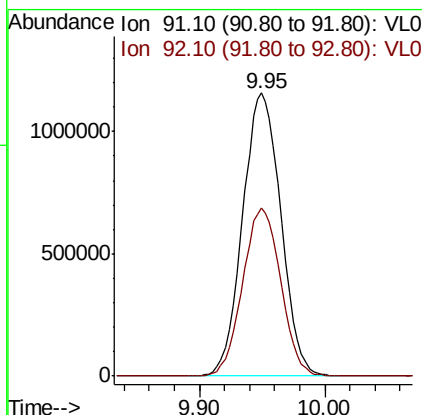
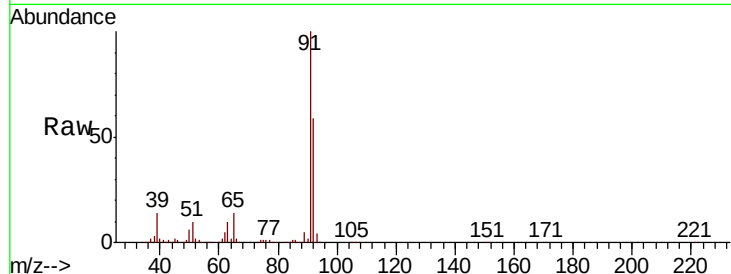
#53
Toluene
Concen: 9.532 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2451055
Ion Ratio Lower Upper
91 100
92 59.1 48.0 72.0

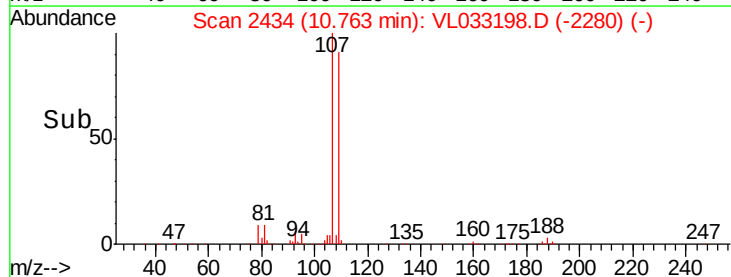
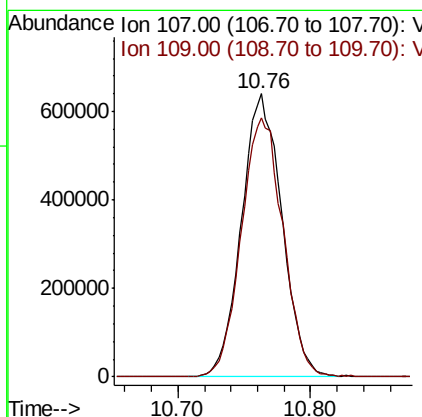
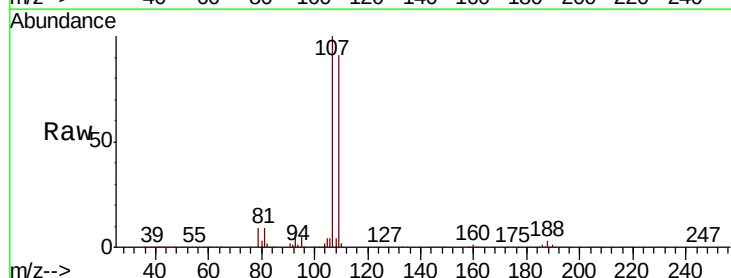
Manual Integrations
APPROVED

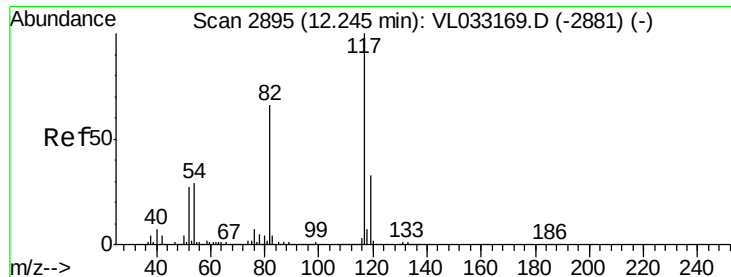
mohammad
2/16/2019 1:27:45 AM



#54
1,2-Dibromoethane
Concen: 9.711 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 107 Resp: 1355343
Ion Ratio Lower Upper
107 100
109 91.3 73.2 109.8





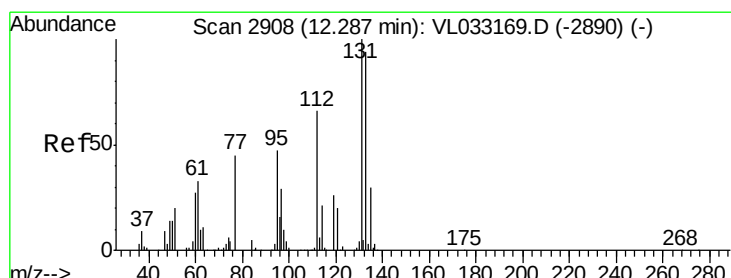
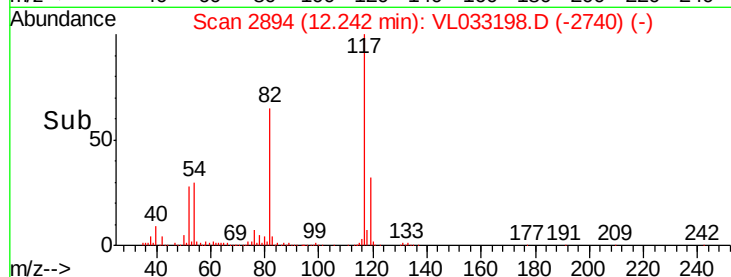
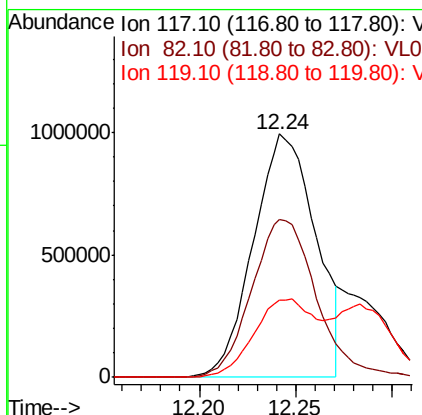
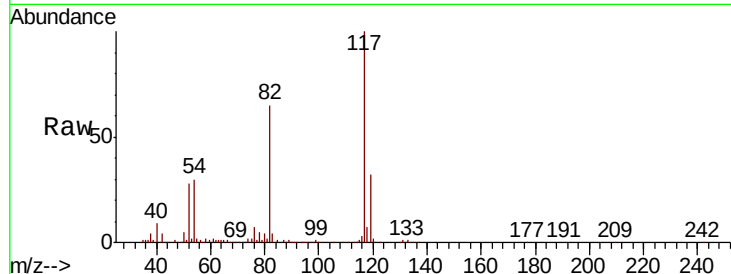
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 2226940
Ion Ratio Lower Upper
117 100
82 67.9 49.5 74.3
119 29.7 24.4 36.6

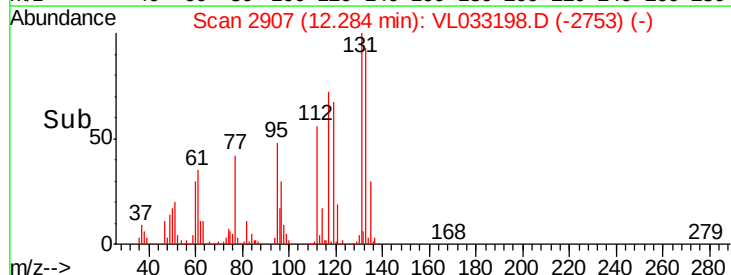
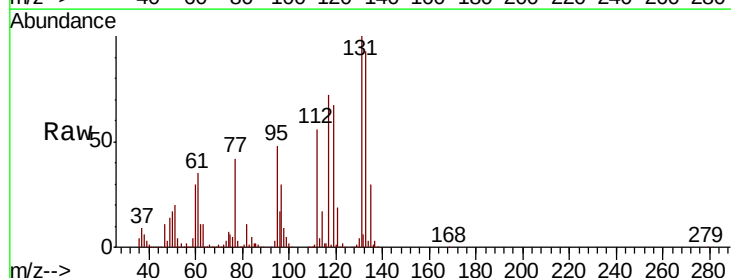
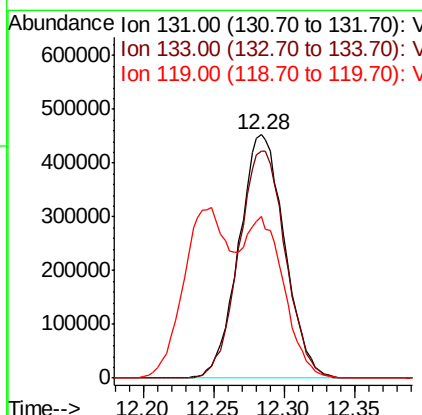
Manual Integrations
APPROVED

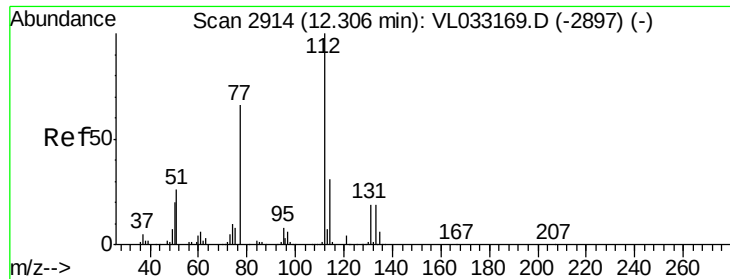
mohammad
2/16/2019 1:27:45 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.016 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:131 Resp: 1023782
Ion Ratio Lower Upper
131 100
133 95.5 75.8 113.6
119 57.0 110.9 166.3#





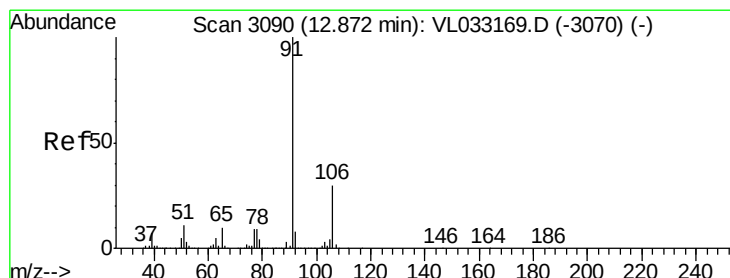
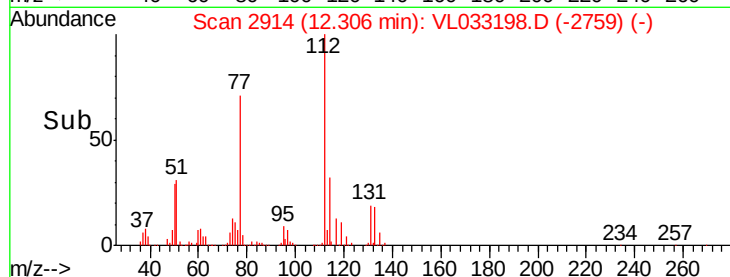
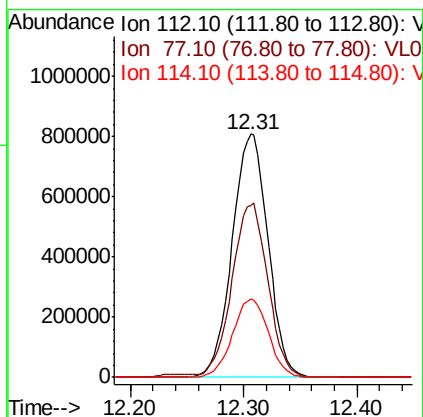
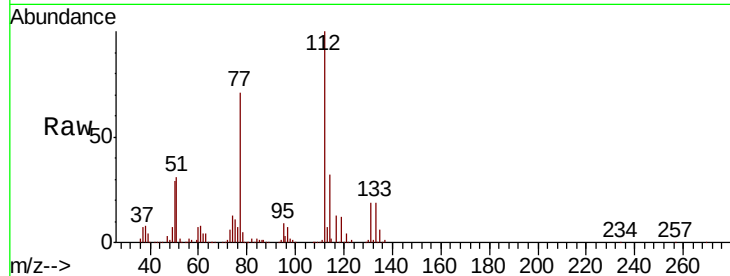
#57
Chlorobenzene
Concen: 9.122 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 1773620
Ion Ratio Lower Upper
112 100
77 70.6 54.0 81.0
114 32.2 27.9 34.1

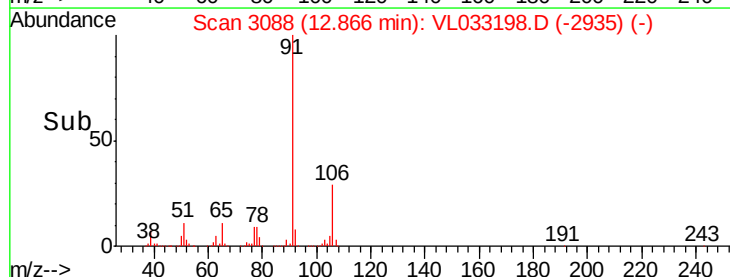
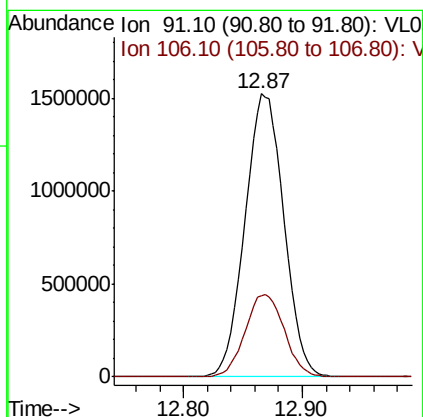
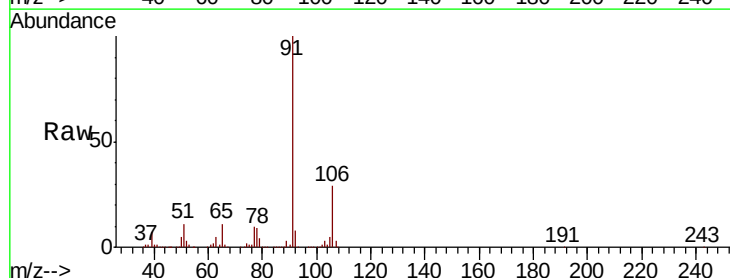
Manual Integrations
APPROVED

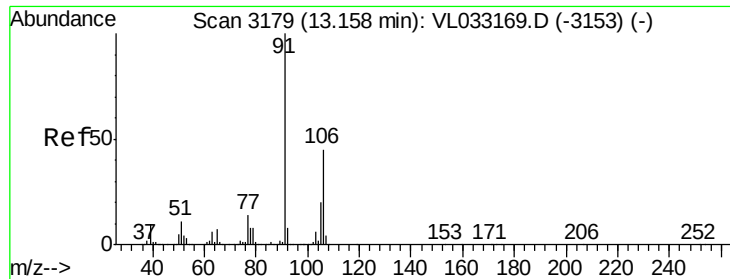
mohammad
2/16/2019 1:27:45 AM



#58
Ethyl Benzene
Concen: 9.562 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 91 Resp: 3446410
Ion Ratio Lower Upper
91 100
106 28.7 23.8 35.8





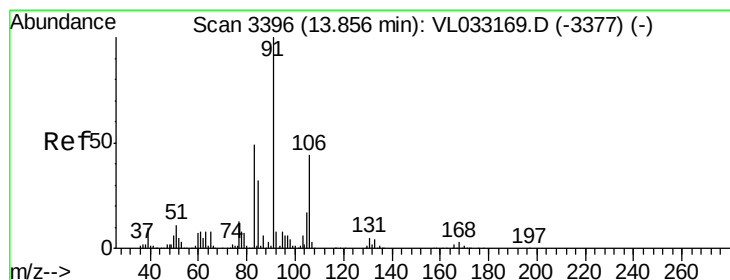
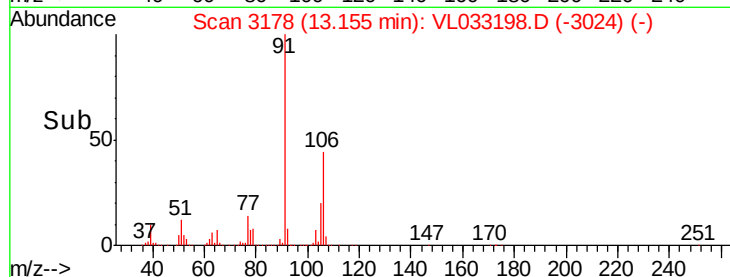
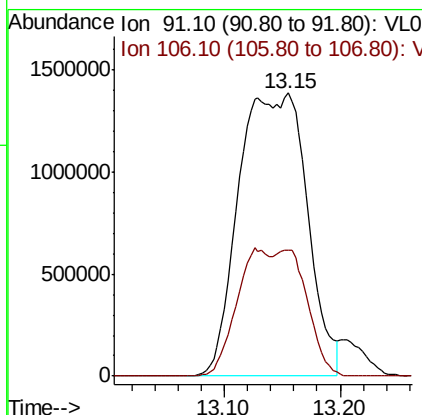
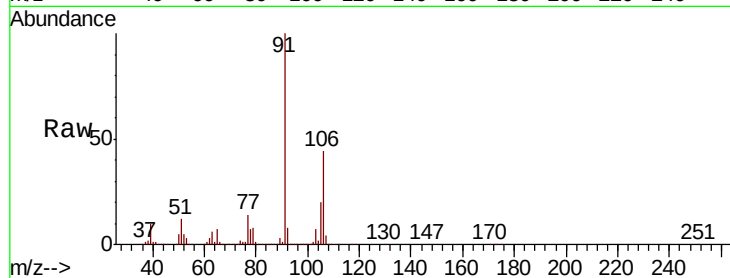
#59
m/p-Xylene
Concen: 18.857 ppbv m
RT: 13.15 min Scan# 3178
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 5672042
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

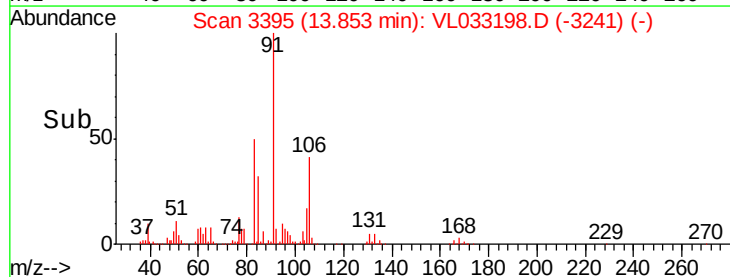
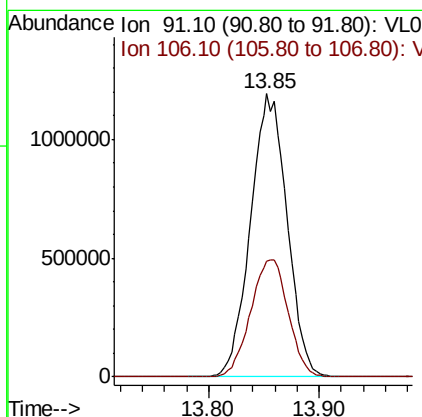
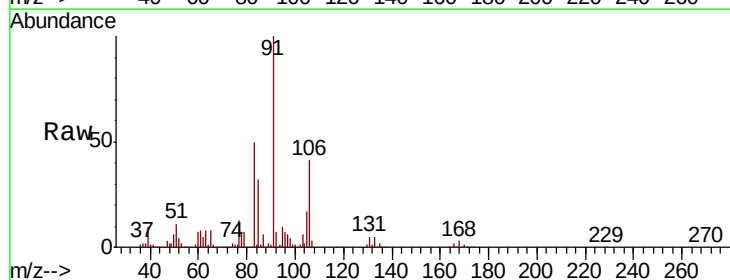
Manual Integrations
APPROVED

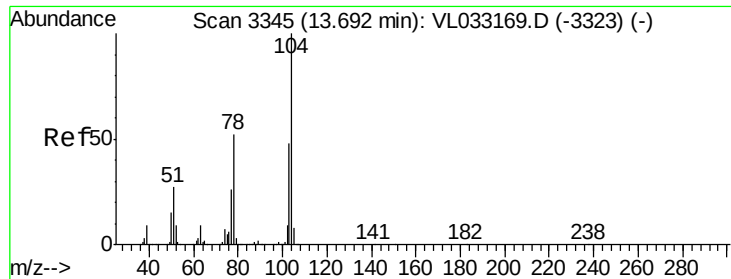
mohammad
2/16/2019 1:27:45 AM



#60
o-Xylene
Concen: 9.327 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 91 Resp: 2728251
Ion Ratio Lower Upper
91 100
106 42.6 21.8 65.3





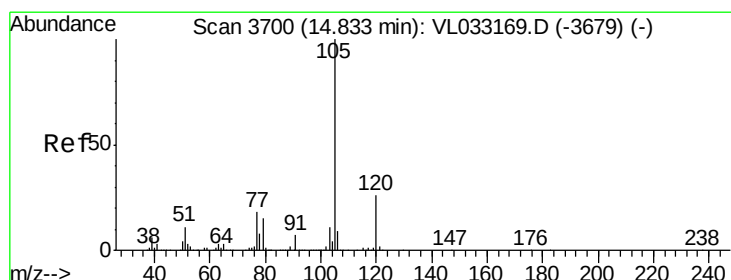
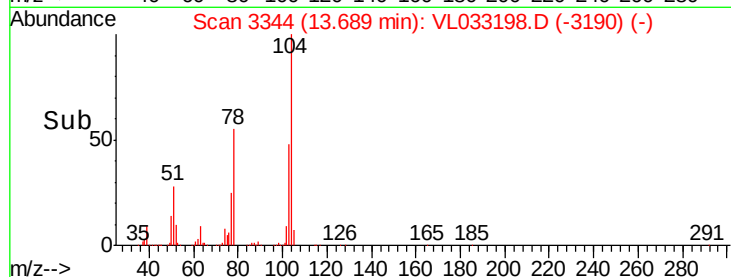
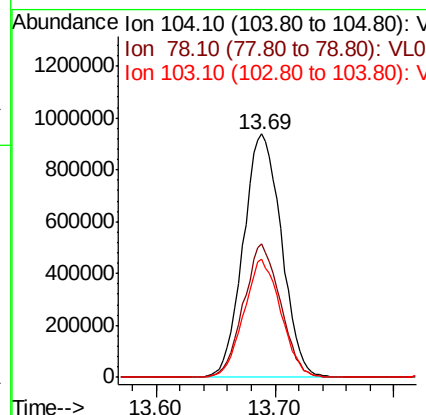
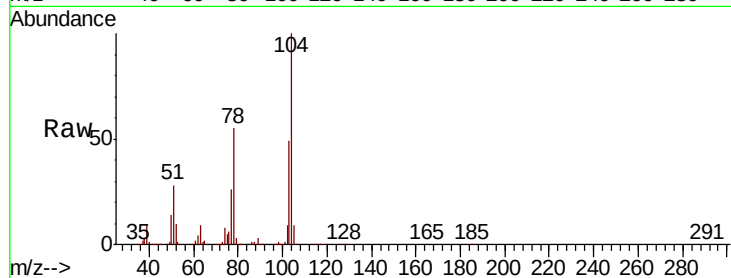
#61
Styrene
Concen: 9.446 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 2083923
Ion Ratio Lower Upper
104 100
78 52.9 41.9 62.9
103 47.1 37.9 56.9

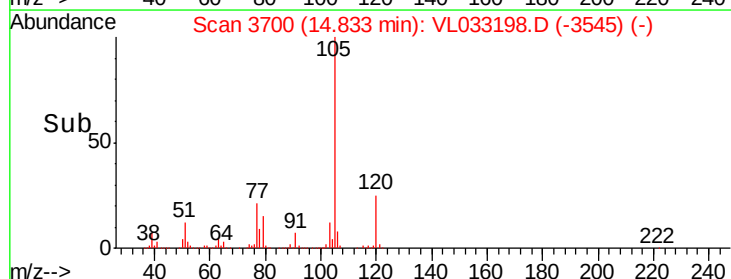
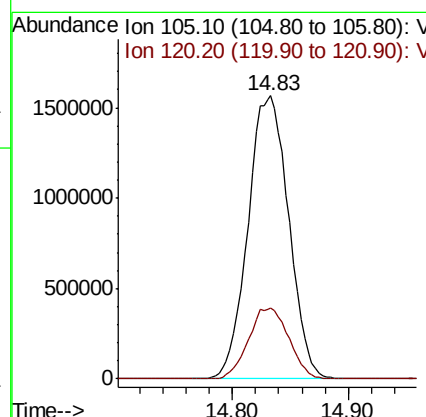
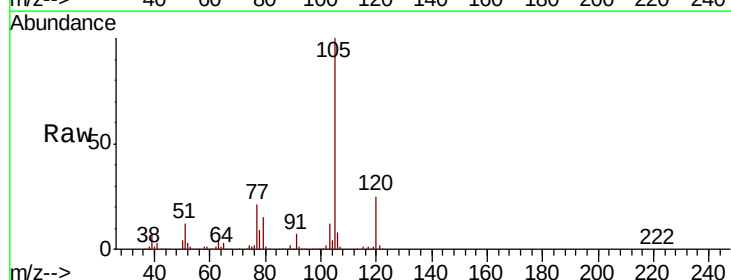
Manual Integrations
APPROVED

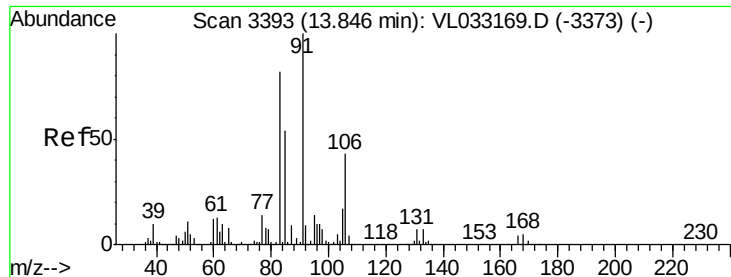
mohammad
2/16/2019 1:27:45 AM



#62
Isopropylbenzene
Concen: 9.234 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:105 Resp: 3809489
Ion Ratio Lower Upper
105 100
120 25.0 20.3 30.5





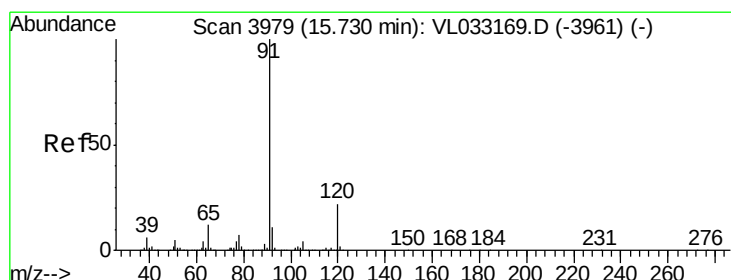
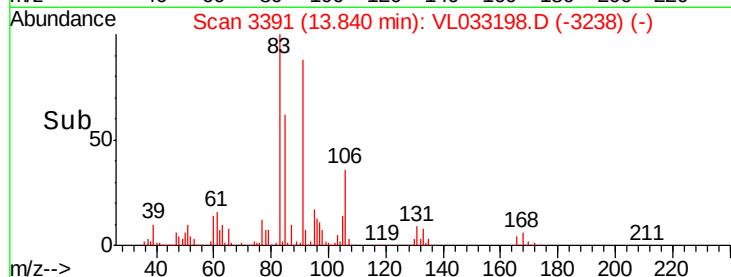
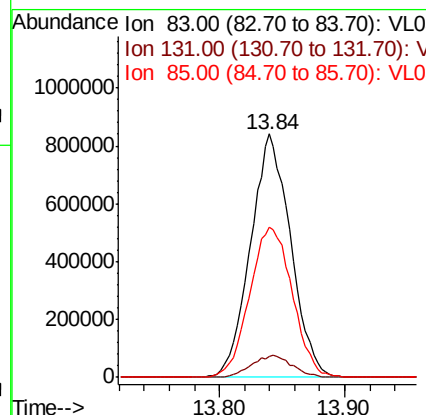
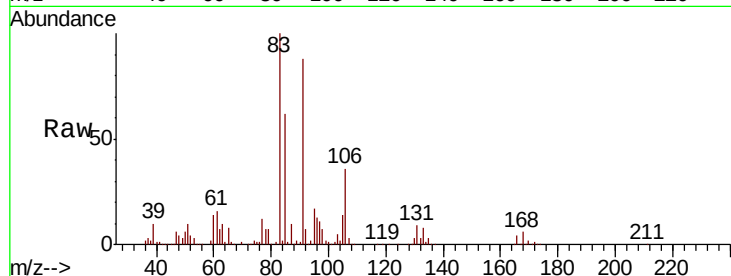
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.126 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. -0.01 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	65.8	32.8	98.3

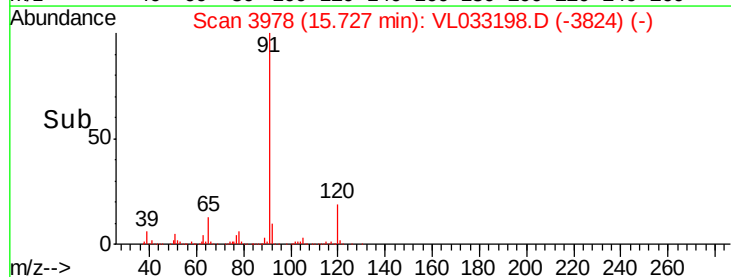
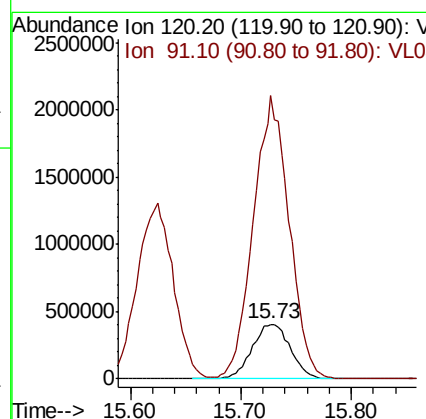
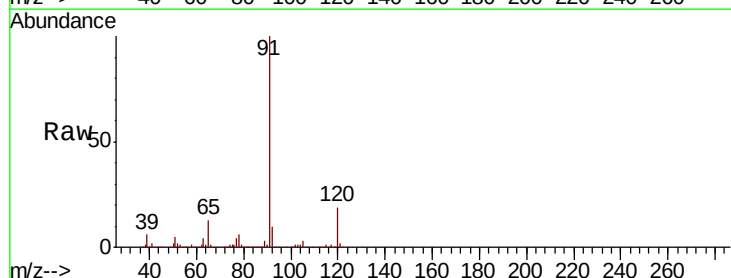
Manual Integrations
 APPROVED

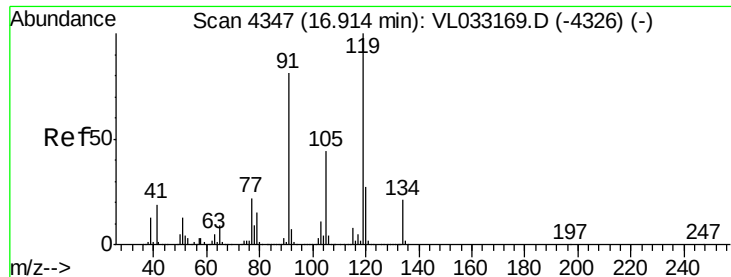
mohammad
 2/16/2019 1:27:45 AM



#64
 n-propylbenzene
 Concen: 9.267 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Tgt Ion	Ratio	Lower	Upper
120	100		
91	486.4	383.9	575.9





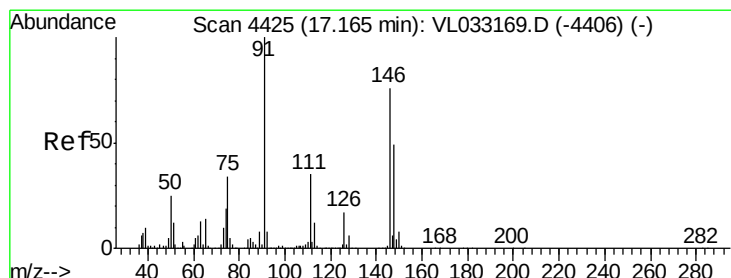
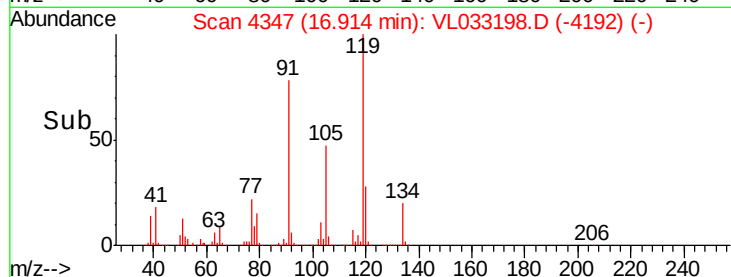
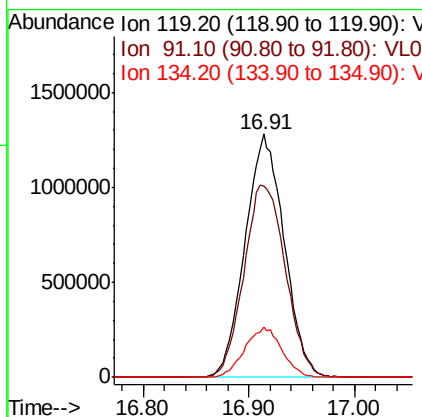
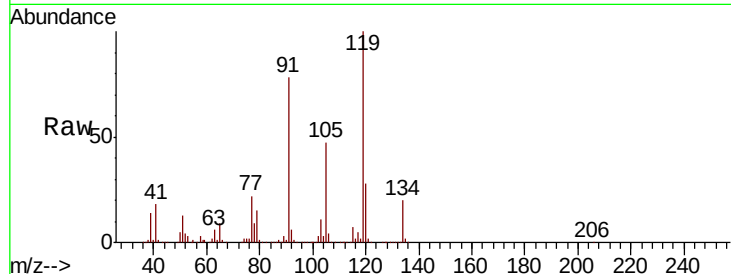
#65
 tert-Butylbenzene
 Concen: 9.184 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 3299658
 Ion Ratio Lower Upper
 119 100
 91 84.2 65.7 98.5
 134 19.6 15.8 23.6

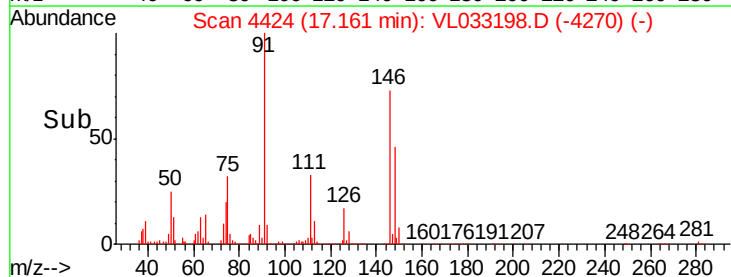
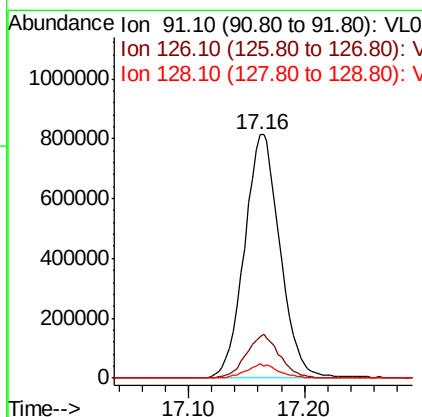
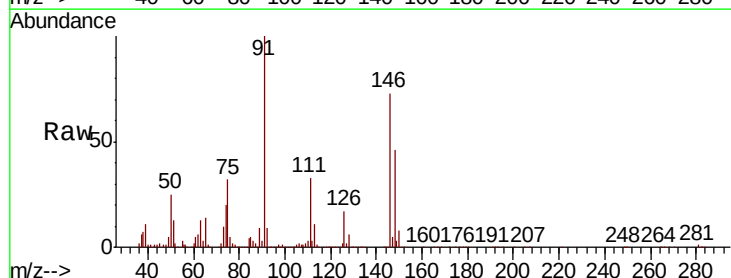
Manual Integrations
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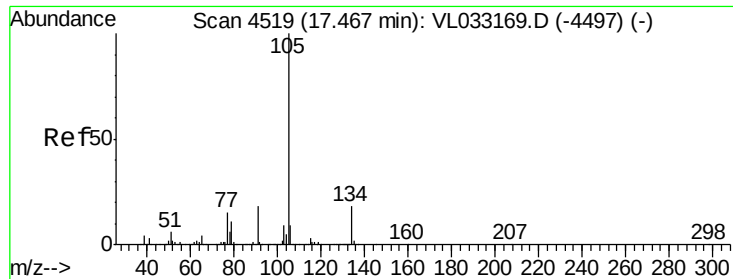
mohammad
 2/16/2019 1:27:45 AM



#66
 Benzyl Chloride
 Concen: 13.630 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Tgt Ion: 91 Resp: 1738631
 Ion Ratio Lower Upper
 91 100
 126 16.8 13.8 20.6
 128 5.2 4.5 6.7





#67

sec-Butylbenzene

Concen: 9.316 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 105 Resp: 4859185

Ion Ratio Lower Upper

105 100

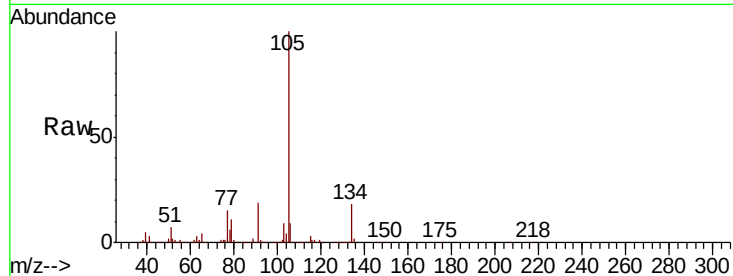
134 17.8 14.6 22.0

Manual Integrations

APPROVED

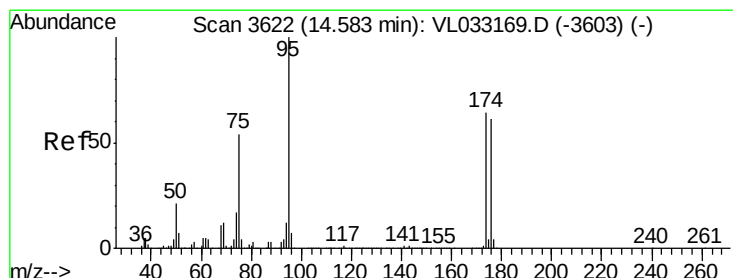
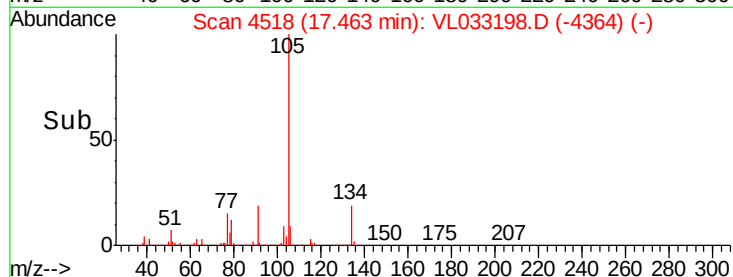
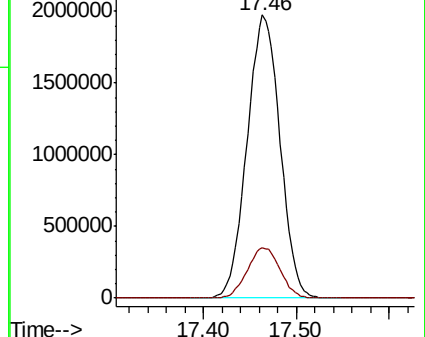
mohammad

2/16/2019 1:27:45 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.154 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

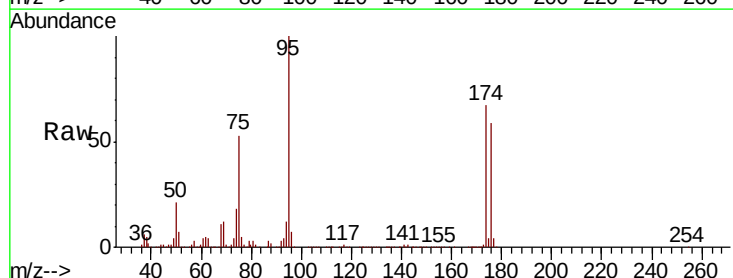
Tgt Ion: 95 Resp: 1741404

Ion Ratio Lower Upper

95 100

174 63.8 51.2 76.8

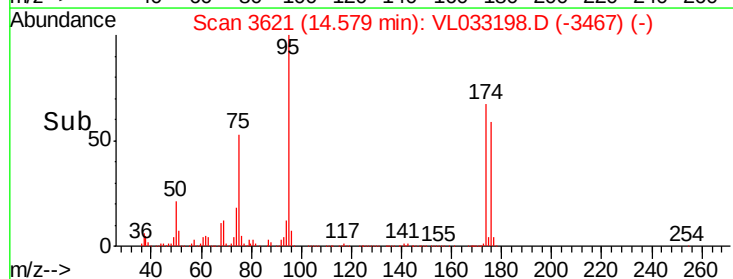
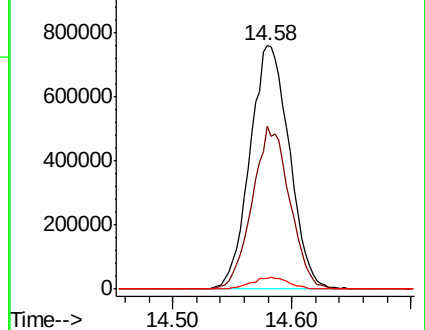
175 4.6 3.8 5.6

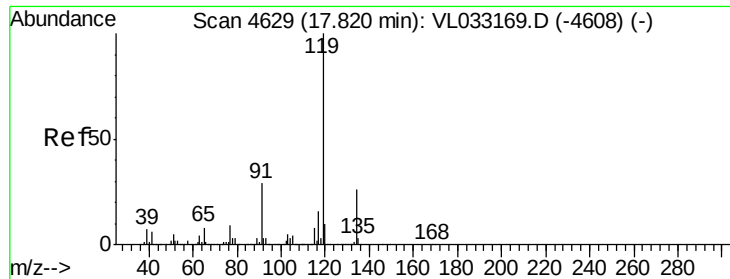


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





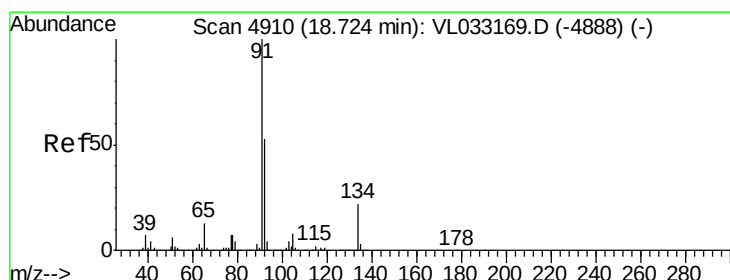
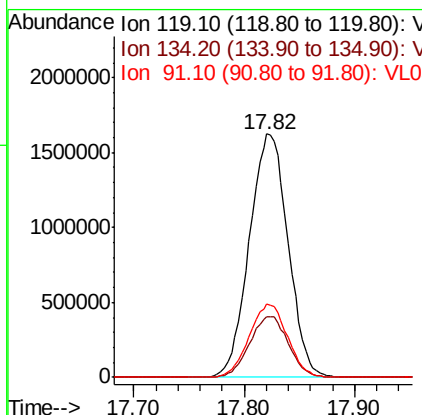
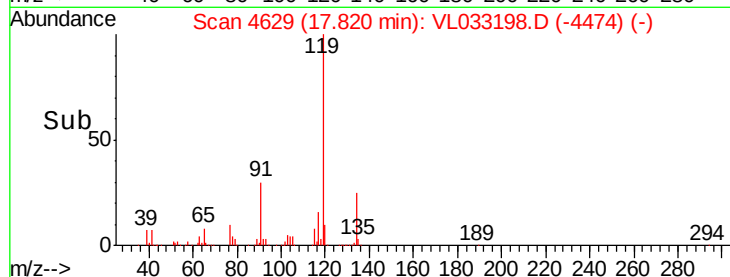
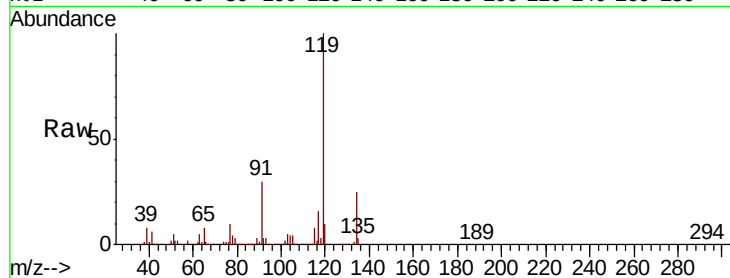
#69
p-Isopropyltoluene
Concen: 9.056 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	29.9	23.4	35.2

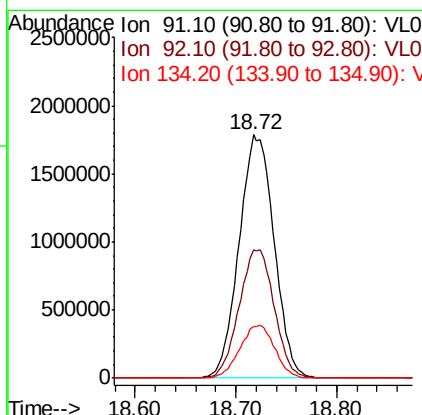
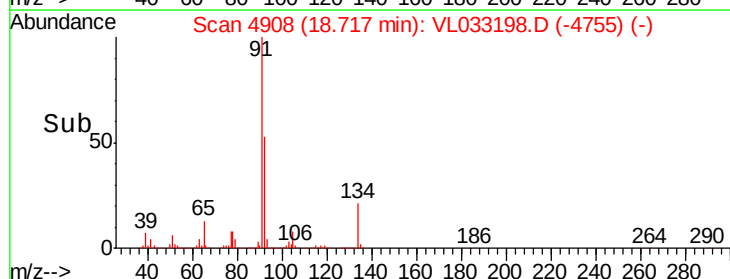
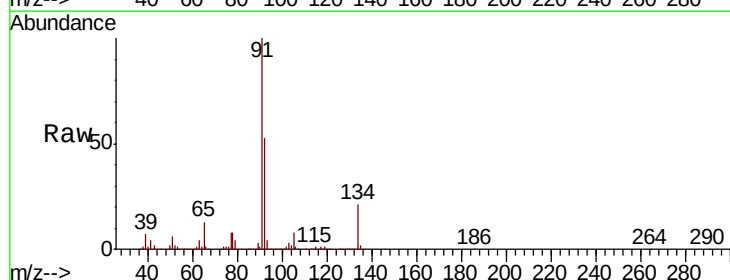
Manual Integrations
APPROVED

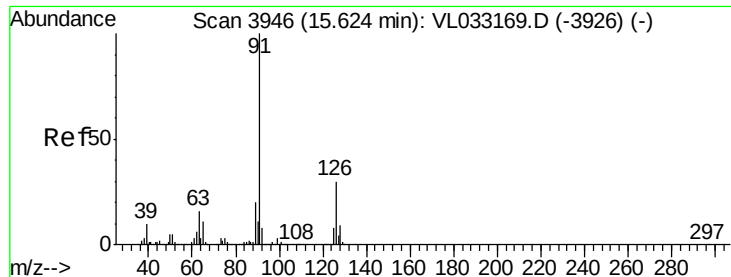
mohammad
2/16/2019 1:27:45 AM



#70
n-Butylbenzene
Concen: 9.165 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.01 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	43.0	64.4
134	21.8	17.5	26.3





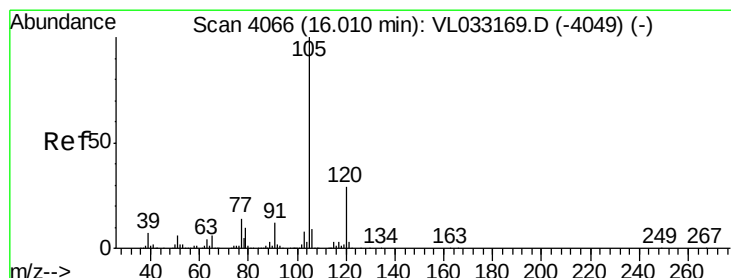
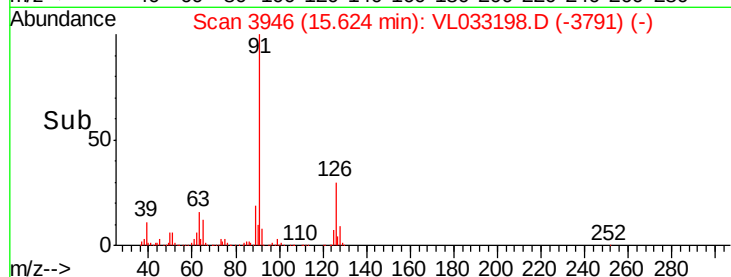
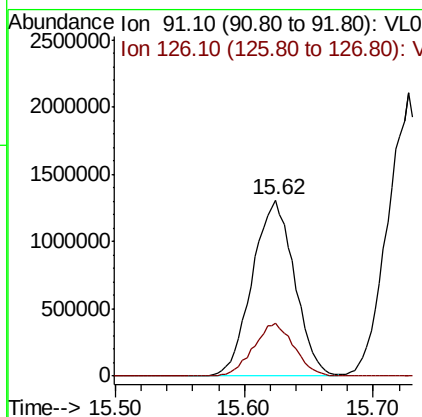
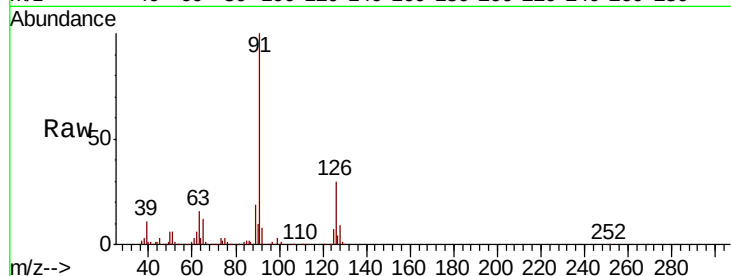
#71
2-Chlorotoluene
Concen: 9.207 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2984593
Ion Ratio Lower Upper
91 100
126 28.9 11.8 47.4

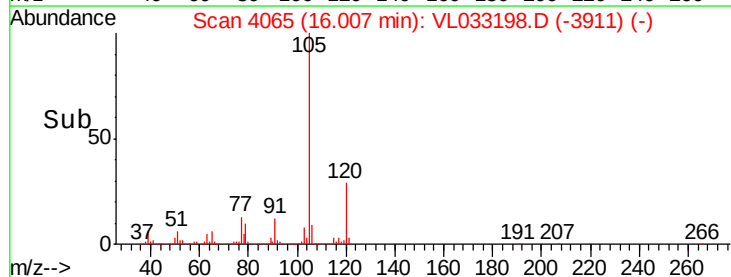
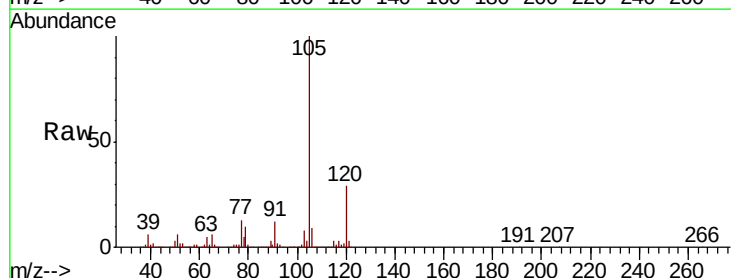
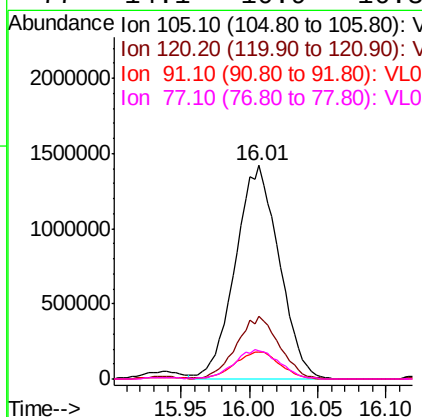
Manual Integrations
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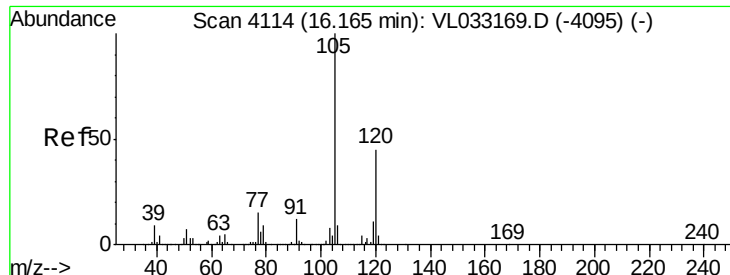
mohammad
2/16/2019 1:27:45 AM



#72
4-Ethyltoluene
Concen: 9.357 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 105 Resp: 3154704
Ion Ratio Lower Upper
105 100
120 28.5 23.1 34.7
91 13.0 9.8 14.6
77 14.1 10.9 16.3





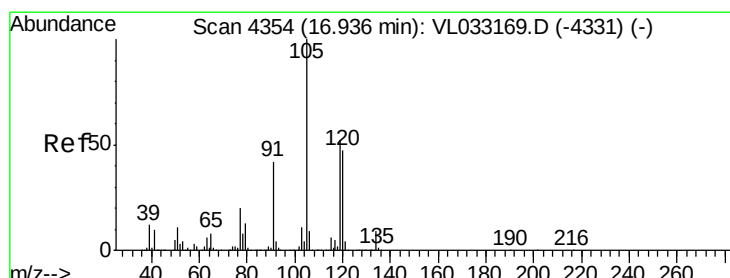
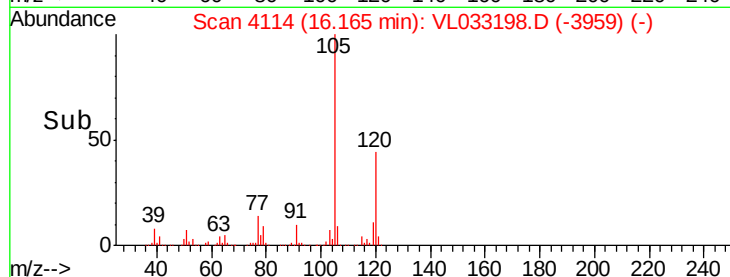
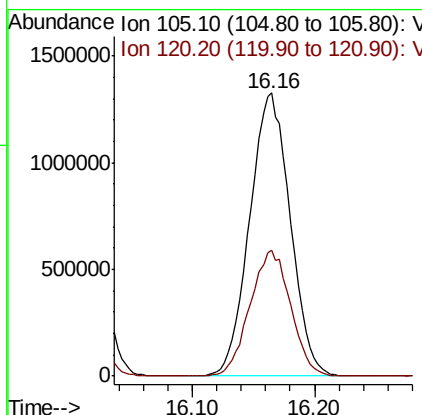
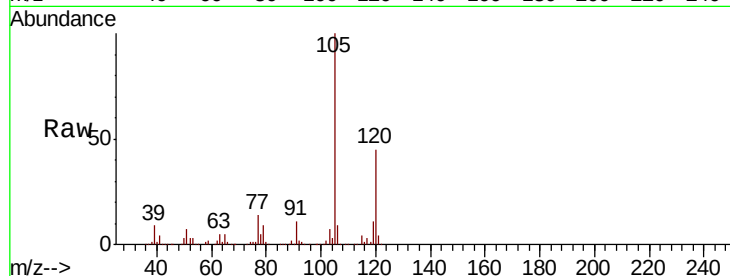
#73
 1,3,5-Trimethylbenzene
 Concen: 9.429 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:105 Resp: 3040294
 Ion Ratio Lower Upper
 105 100
 120 44.5 36.2 54.4

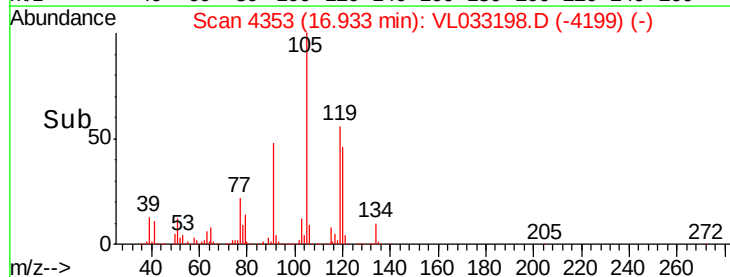
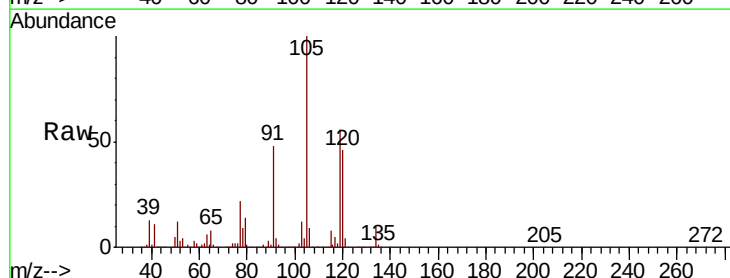
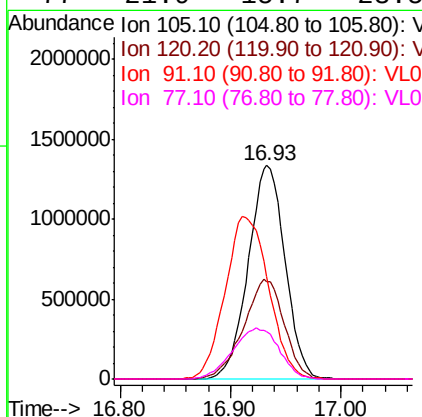
Manual Integrations
 APPROVED

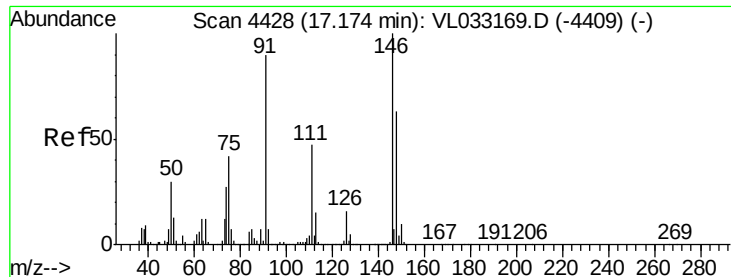
mohammad
 2/16/2019 1:27:45 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.225 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Tgt Ion:105 Resp: 3086963
 Ion Ratio Lower Upper
 105 100
 120 45.8 37.9 56.9
 91 47.9 34.0 51.0
 77 21.9 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 9.277 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 1790200

Ion Ratio Lower Upper

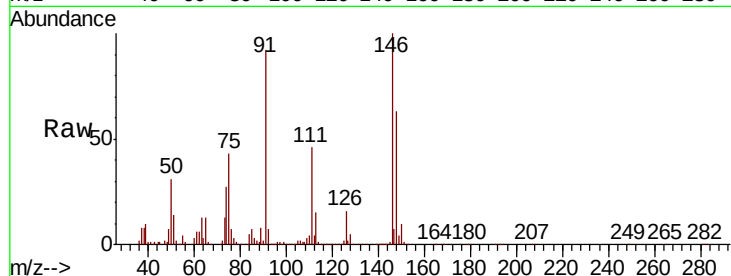
146 100

111 46.4 23.2 69.6

148 63.7 31.8 95.4

Manual Integrations
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mohammad
2/16/2019 1:27:45 AM

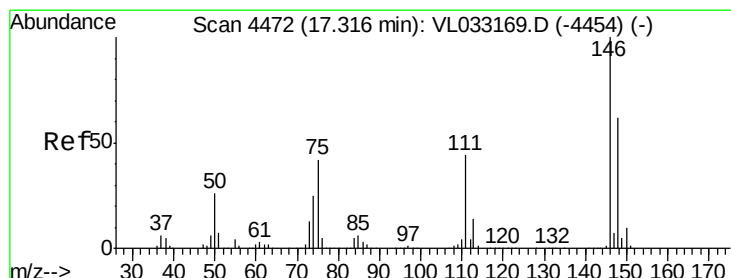
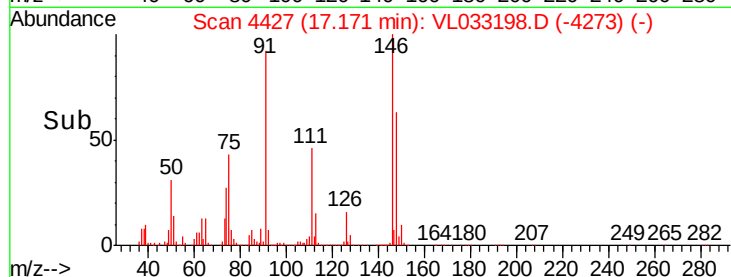
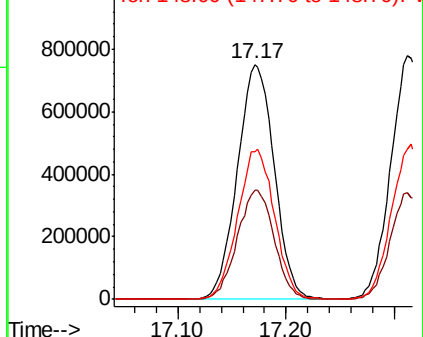


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.367 ppbv

RT: 17.31 min Scan# 4471

Delta R.T. -0.00 min

Lab File: VL033198.D

Acq: 13 Feb 2019 22:20

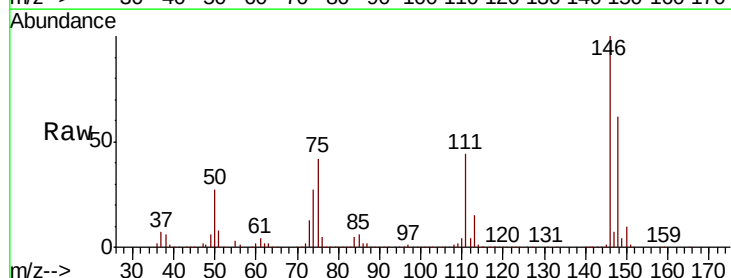
Tgt Ion:146 Resp: 1790221

Ion Ratio Lower Upper

146 100

111 44.4 22.4 67.0

148 64.0 31.9 95.9

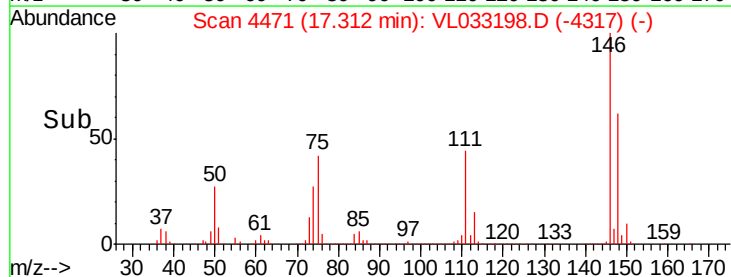
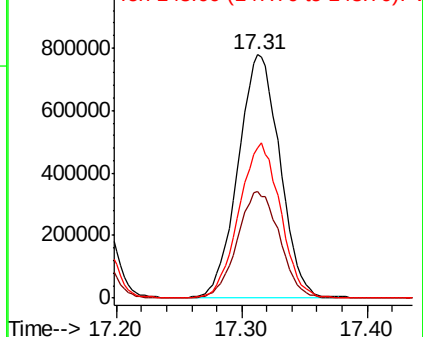


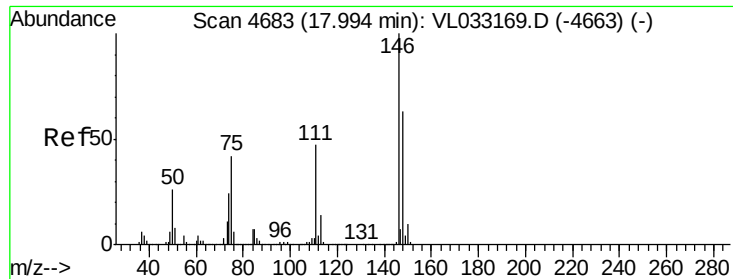
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





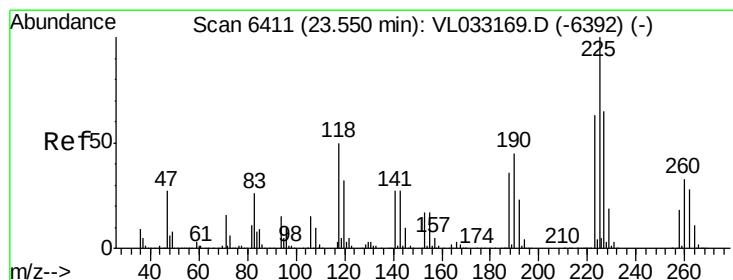
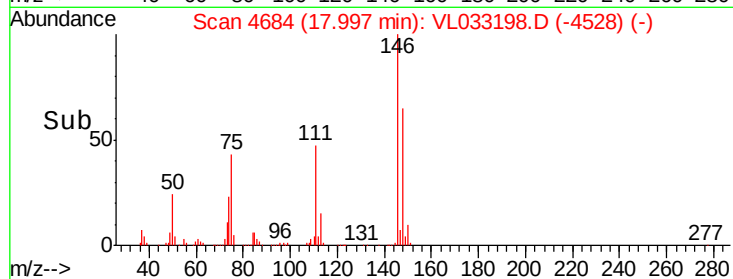
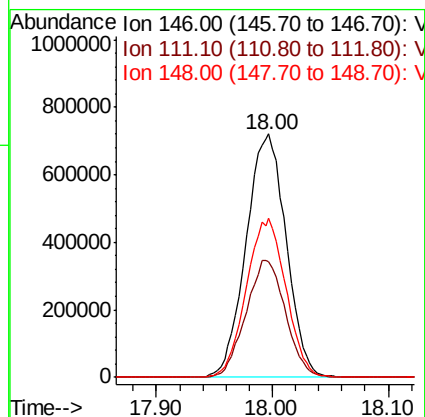
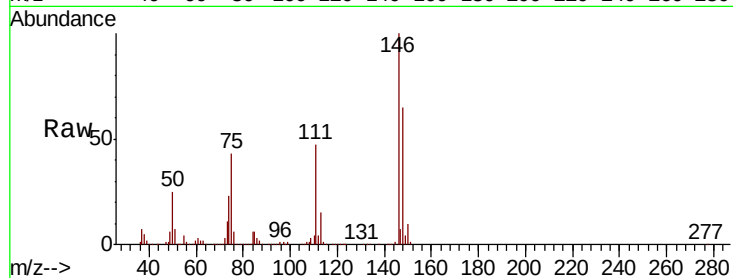
#77
 1,2-Dichlorobenzene
 Concen: 9.094 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. 0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1733915
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.5 70.6
 148 64.5 31.9 95.7

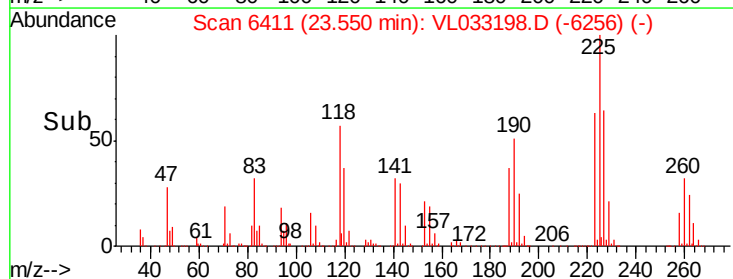
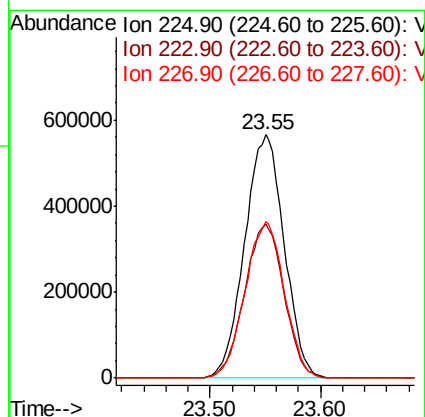
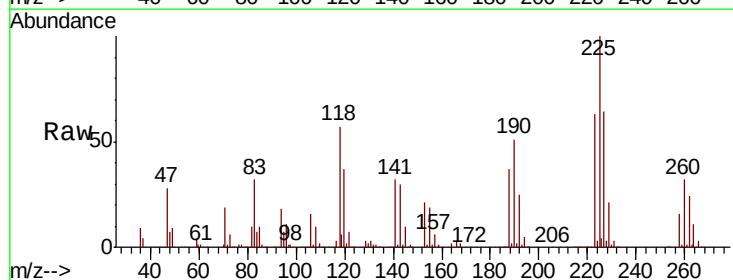
Manual Integrations
 APPROVED

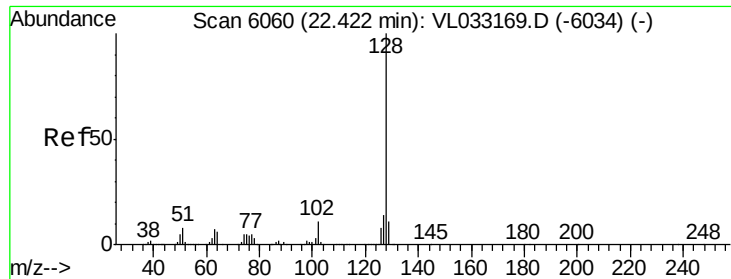
mohammad
 2/16/2019 1:27:45 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 14.797 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Tgt Ion:225 Resp: 1404459
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.6 75.8
 227 64.0 51.4 77.2





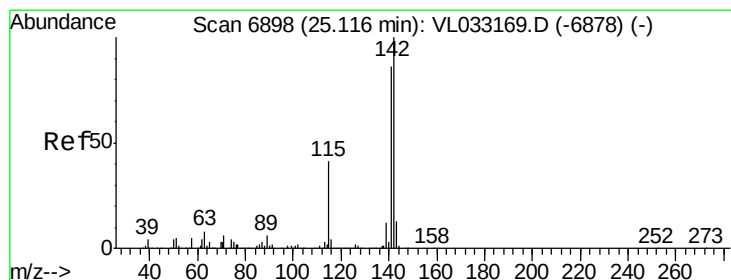
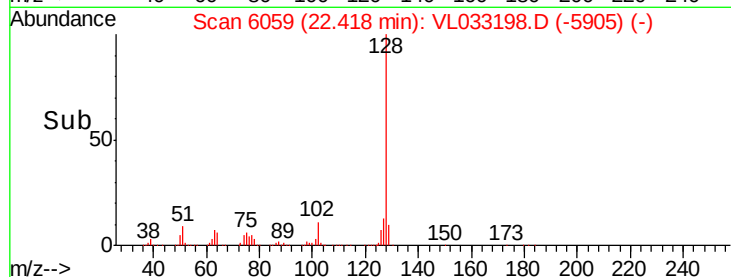
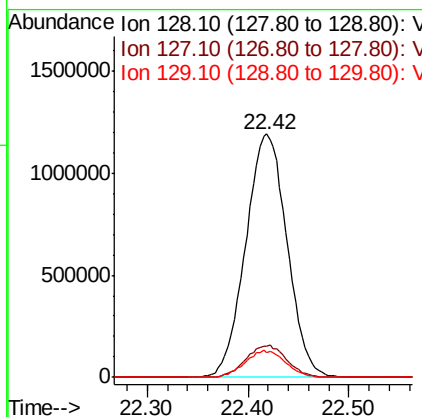
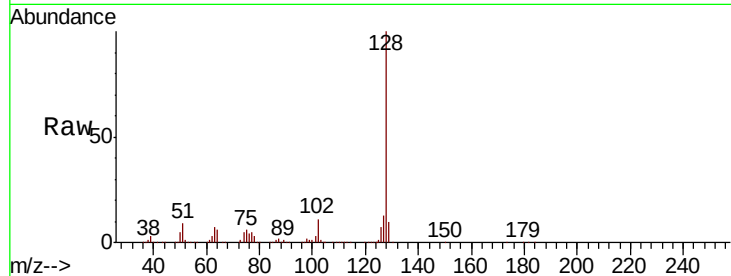
#79
Naphthalene
Concen: 9.411 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.0	16.4
129	10.4	8.6	12.8

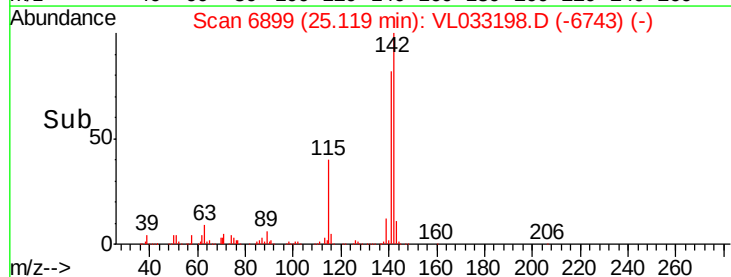
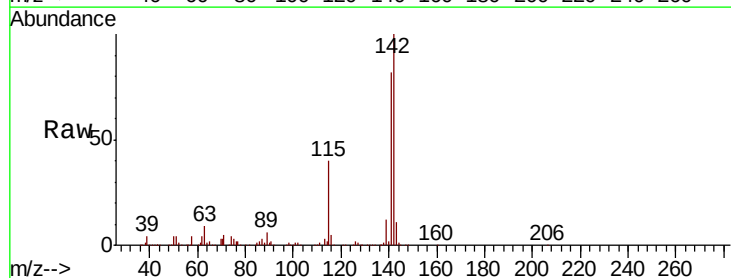
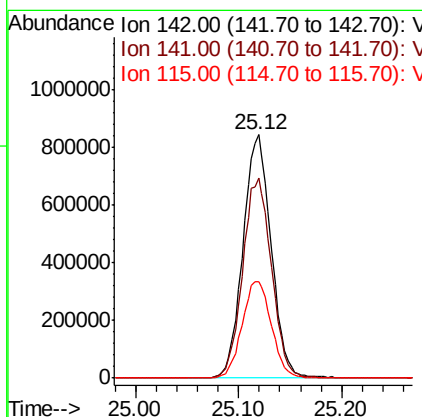
Manual Integrations
APPROVED

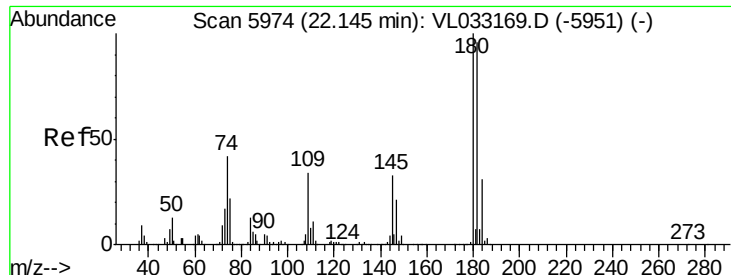
mohammad
2/16/2019 1:27:45 AM



#80
Naphthalene, 2-methyl-
Concen: 8.771 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.7	101.5
115	41.3	32.7	49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 9.025 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. -0.00 min
 Lab File: VL033198.D
 Acq: 13 Feb 2019 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
184	30.6	24.3	36.5

Manual Integrations
 APPROVED

mohammad
 2/16/2019 1:27:45 AM

