

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033361.D
 Acq On : 18 Mar 2019 16:49
 Operator : SY/AP
 Sample : VL0318ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0318ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/21/2019 12:14:23 PM

Quant Time: Mar 19 09:19:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 19 09:19:54 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	775038	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1710847	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2037639m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1500913	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1063782	7.805	ppbv	98
3) Chlorodifluoromethane	3.01	51	842308	9.469	ppbv	97
4) Chloromethane	3.17	50	454661	9.439	ppbv	98
5) Vinyl Chloride	3.29	62	443325	8.921	ppbv	100
6) Bromomethane	3.51	94	289536	9.802	ppbv	99
7) Chloroethane	3.60	64	169929	9.786	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1129905	9.738	ppbv	99
9) Propene	3.04	41	364934	9.190	ppbv	99
10) Heptane	8.25	43	977738	9.927	ppbv	100
11) Trichlorofluoromethane	4.00	101	1305062	9.616	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	878113	9.752	ppbv	100
13) Ethanol	3.65	45	76751	4.054	ppbv	99
14) Bromoethene	3.79	108	369598	9.847	ppbv	99
15) Acetone	3.90	43	835178m	6.932	ppbv	
16) 1,3-Butadiene	3.36	39	415992	10.631	ppbv	89
17) tert-Butyl alcohol	4.35	59	170617	10.063	ppbv	100
18) 1,1-Dichloroethene	4.35	96	386946	9.398	ppbv	96
19) Isopropyl Alcohol	4.02	45	561021	9.789	ppbv	99
20) Methylene Chloride	4.41	84	320976	8.169	ppbv	96
21) Allyl Chloride	4.48	41	588138	10.063	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	394633	9.890	ppbv	98
23) Vinyl Acetate	5.16	43	1357730	9.740	ppbv	99
24) 1,1-Dichloroethane	5.09	63	971080	9.645	ppbv	99
25) Ethyl Acetate	5.77	43	1683425	9.612	ppbv	100
26) Hexane	5.78	57	742279	9.481	ppbv	99
27) Carbon Disulfide	4.62	76	957344	10.621	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1116927	9.604	ppbv	100
29) Chloroform	5.85	83	1258270	9.815	ppbv	98
30) Cyclohexane	7.25	84	609698	9.713	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	781883	9.988	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1230311	9.774	ppbv	99
34) 2-Butanone	5.33	43	1099172	9.783	ppbv	97
35) Carbon Tetrachloride	7.13	117	1304648	10.817	ppbv	98
36) Benzene	7.00	78	1510012	9.862	ppbv	99
37) 1,2-Dichloroethane	6.41	62	973483	10.055	ppbv	99
38) Trichloroethene	7.96	130	579962	10.010	ppbv	97
39) 1,2-Dichloropropane	7.74	63	574521	10.020	ppbv	96
40) 1,4-Dioxane	7.95	88	193402	9.578	ppbv #	1
41) Tetrahydrofuran	6.15	42	605288	10.095	ppbv	99
42) Bromodichloromethane	7.92	83	1354684	10.437	ppbv	99
43) Methyl Methacrylate	8.14	69	618707	10.378	ppbv	100

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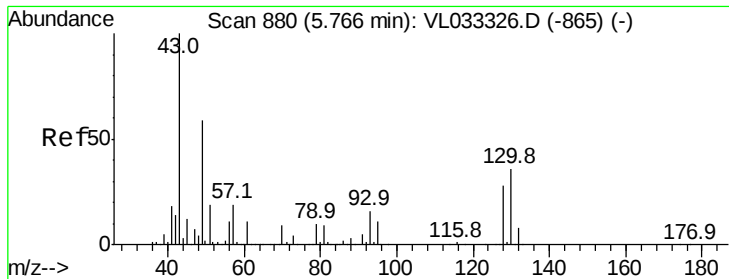
Manual Integrations
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Quant Time: Mar 19 09:19:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 1
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2571268	10.139	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	836418	11.364	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	943806	10.890	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	634141	10.010	ppbv	96
48) Dibromochloromethane	10.45	129	1166251	10.977	ppbv	99
49) Bromoform	13.20	173	1163859	11.548	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1590576	10.022	ppbv	98
51) 2-Hexanone	10.27	43	1258152	10.275	ppbv #	99
52) Tetrachloroethene	11.37	164	575955	9.029	ppbv	98
53) Toluene	9.95	91	1805763	10.379	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1027062	9.590	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.28	131	920135	10.095	ppbv	97
57) Chlorobenzene	12.30	112	1540426	9.545	ppbv	100
58) Ethyl Benzene	12.87	91	2888219	10.020	ppbv	99
59) m/p-Xylene	13.15	91	4827201m	19.487	ppbv	
60) o-Xylene	13.85	91	2413003	9.985	ppbv	100
61) Styrene	13.69	104	1754056	10.366	ppbv	99
62) Isopropylbenzene	14.83	105	3359173	9.998	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1669846	9.558	ppbv	100
64) n-propylbenzene	15.72	120	858197	10.094	ppbv	99
65) tert-Butylbenzene	16.91	119	3010310	9.952	ppbv	100
66) Benzyl Chloride	17.16	91	1530405	12.243	ppbv	99
67) sec-Butylbenzene	17.46	105	4318445	10.075	ppbv	100
69) p-Isopropyltoluene	17.82	119	3576944	10.215	ppbv	100
70) n-Butylbenzene	18.72	91	3774807	10.109	ppbv	99
71) 2-Chlorotoluene	15.62	91	2597023	9.930	ppbv	100
72) 4-Ethyltoluene	16.00	105	2750625	10.023	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2681979	10.031	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	2758022	9.740	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1595036	9.557	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1599853	9.901	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1562993	9.889	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	807136	8.517	ppbv	99
79) Naphthalene	22.41	128	2559094	9.379	ppbv	97
80) Naphthalene, 2-methyl-	25.12	142	1021677	7.896	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1312098	9.430	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

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MSVOA_L

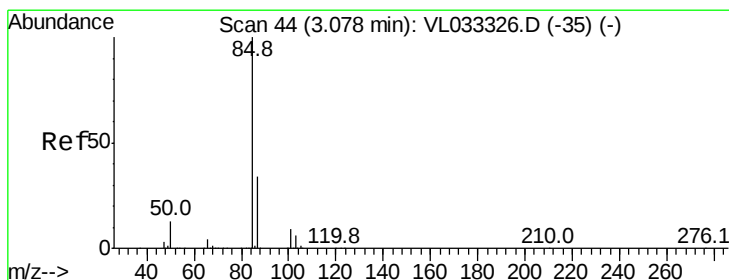
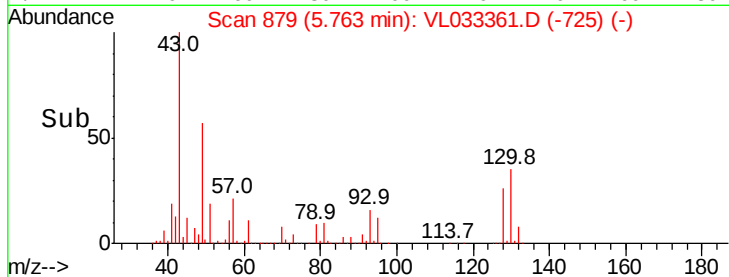
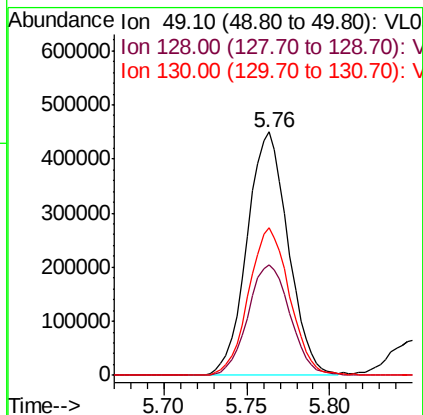
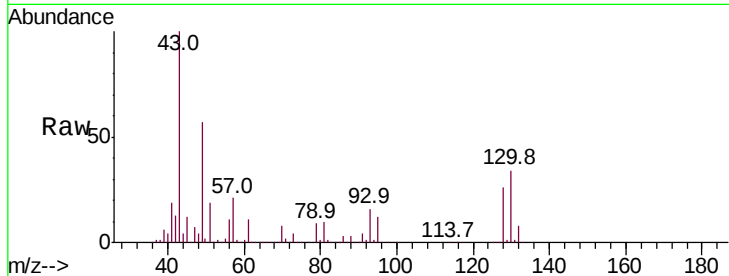
ClientSampleId :

VL0318ABS01

Tot Ion	Ratio	Lower	Upper
49	100		
128	46.7	23.5	70.6
130	60.6	30.1	90.3

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#2

Dichlorodifluoromethane

Concen: 7.805 ppbv

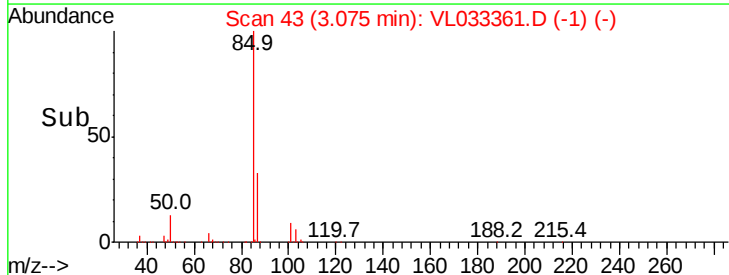
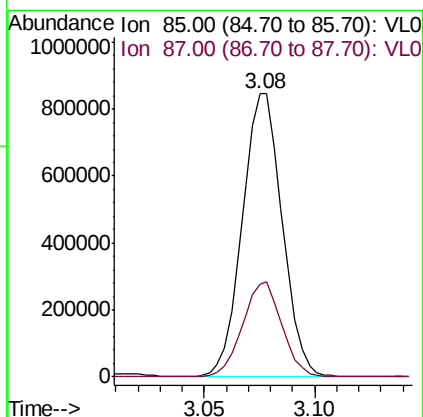
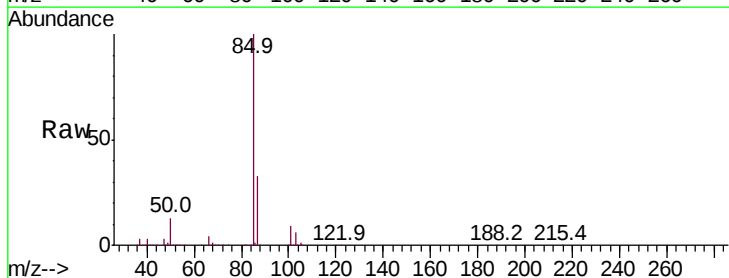
RT: 3.08 min Scan# 43

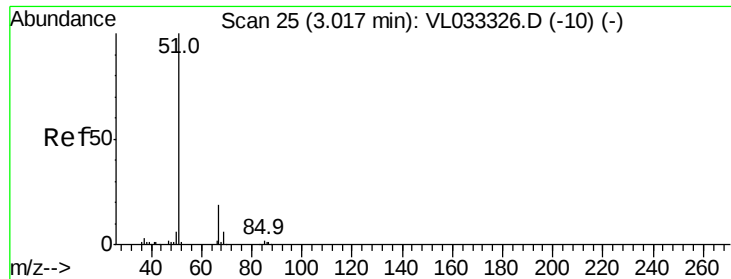
Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.9	40.3





#3

Chlorodifluoromethane

Concen: 9.469 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Tot Ion: 51 Resp: 842308

Ion Ratio Lower Upper

51 100

67 19.8 14.9 22.3

Instrument :

MSVOA_L

ClientSampleId :

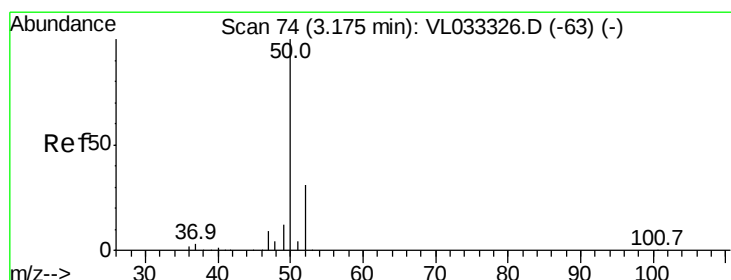
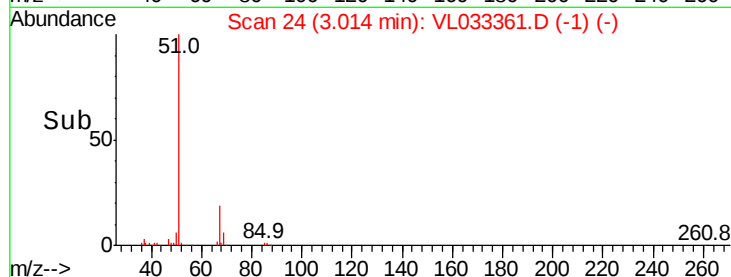
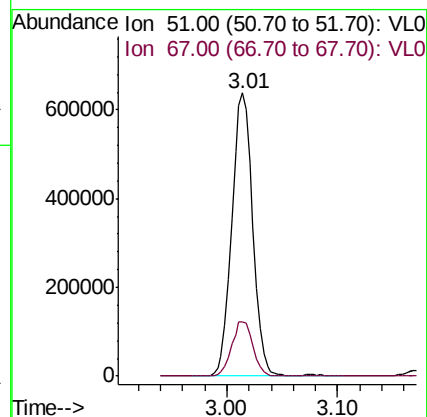
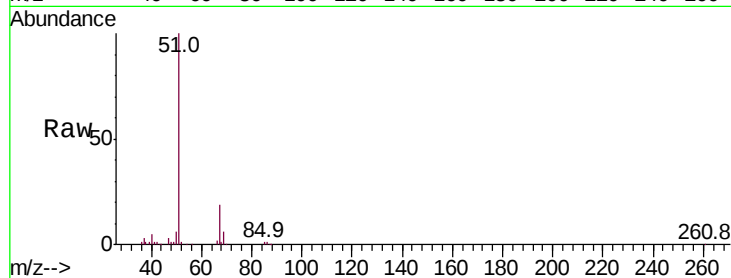
VL0318ABS01

Manual Integrations

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3/21/2019 12:14:23 PM



#4

Chloromethane

Concen: 9.439 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033361.D

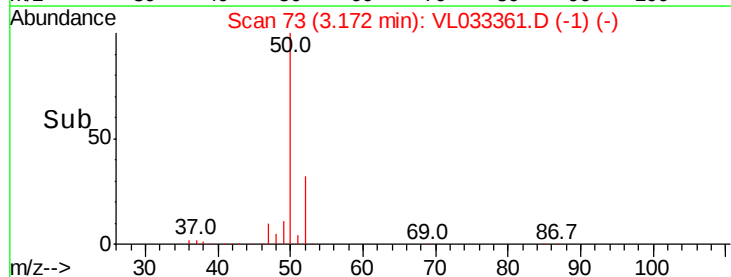
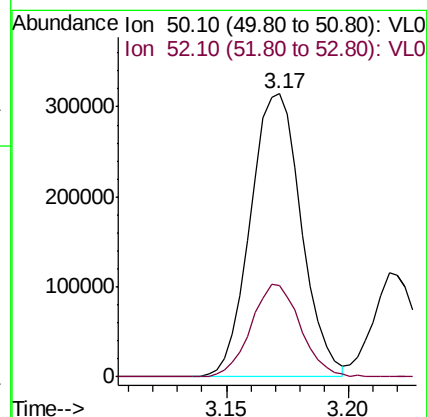
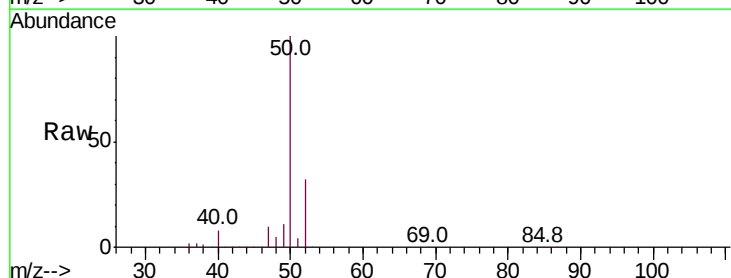
Acq: 18 Mar 2019 16:49

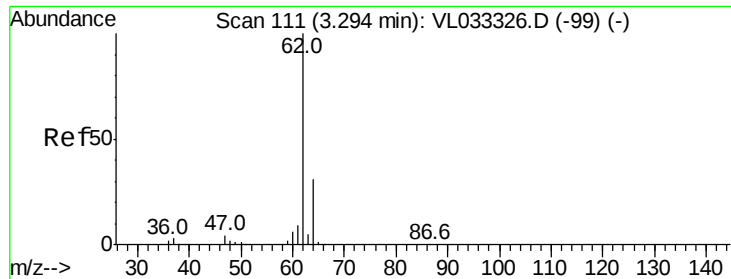
Tgt Ion: 50 Resp: 454661

Ion Ratio Lower Upper

50 100

52 32.3 25.0 37.6





#5

Vinyl Chloride

Concen: 8.921 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion: 62 Resp: 443325

Ion Ratio Lower Upper

62 100

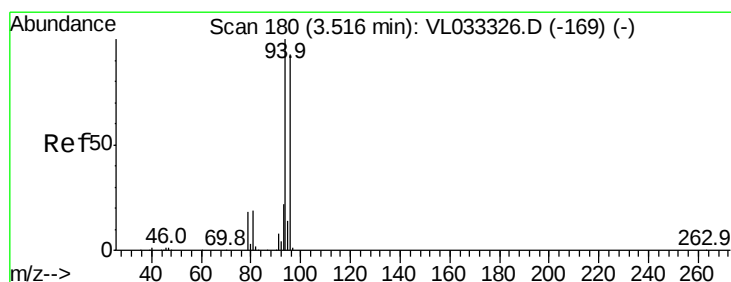
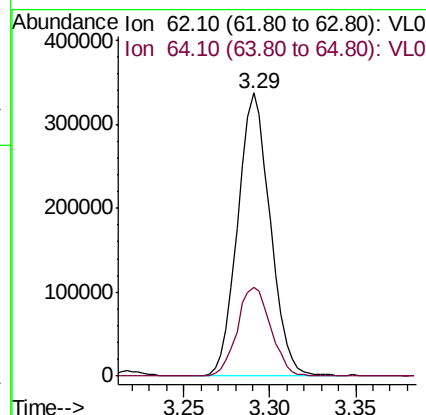
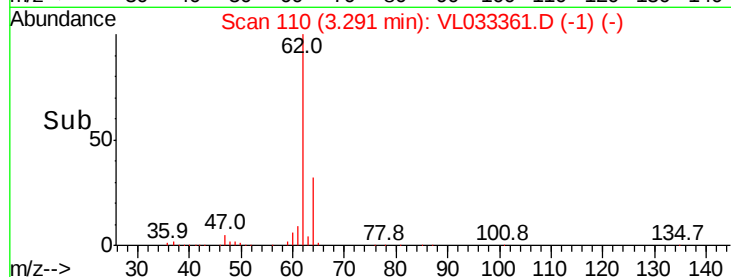
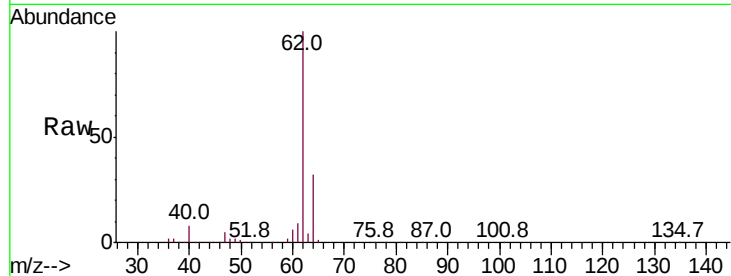
64 31.4 25.0 37.6

Manual Integrations

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3/21/2019 12:14:23 PM



#6

Bromomethane

Concen: 9.802 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033361.D

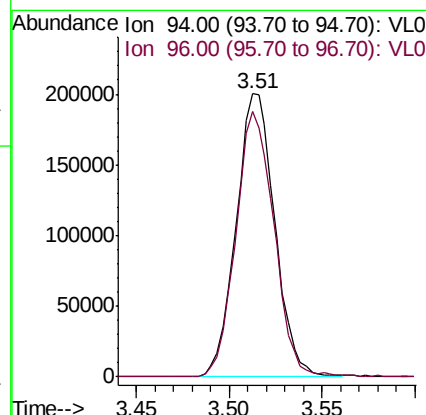
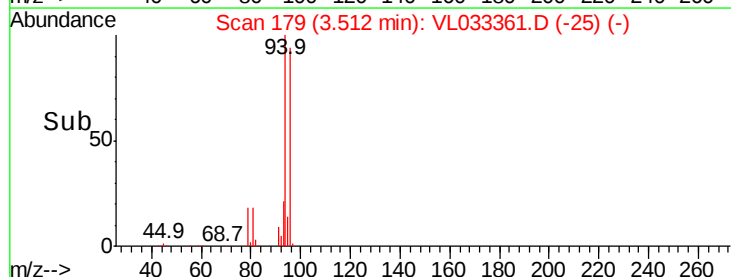
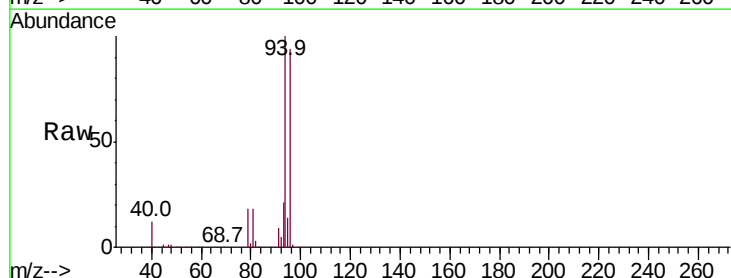
Acq: 18 Mar 2019 16:49

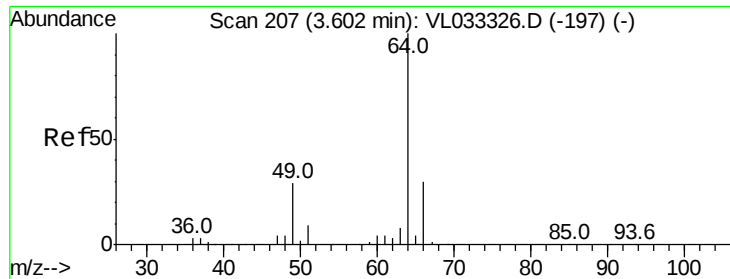
Tgt Ion: 94 Resp: 289536

Ion Ratio Lower Upper

94 100

96 93.8 74.6 111.8





#7

Chloroethane

Concen: 9.786 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion: 64 Resp: 169929

Ion Ratio Lower Upper

64 100

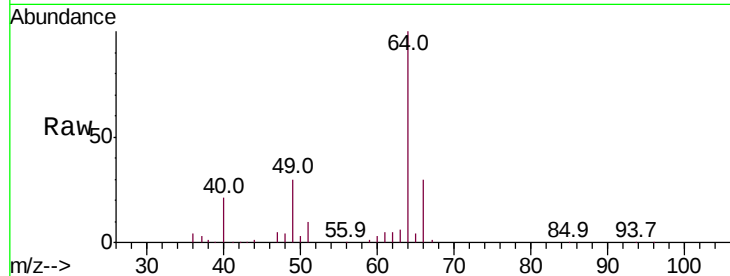
66 29.6 24.0 36.0

Manual Integrations

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3/21/2019 12:14:23 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

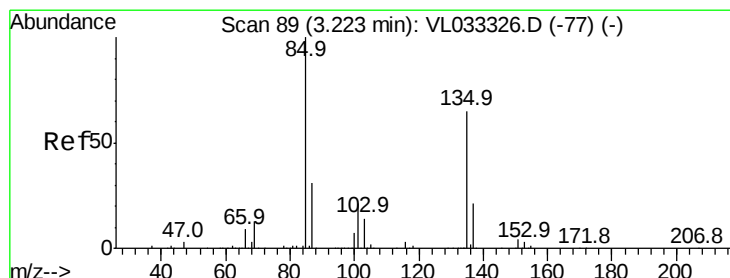
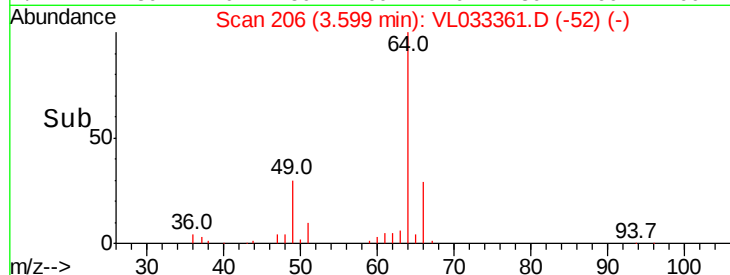
100000

50000

0

3.55 3.60 3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.738 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033361.D

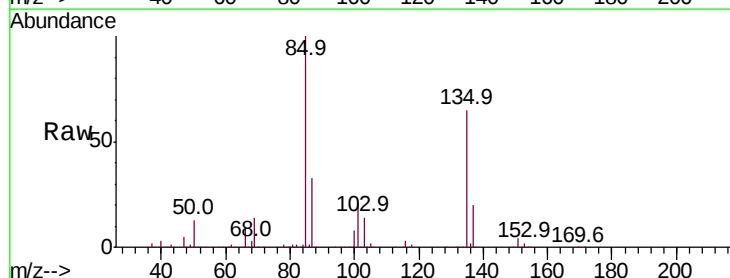
Acq: 18 Mar 2019 16:49

Tgt Ion: 85 Resp: 1129905

Ion Ratio Lower Upper

85 100

135 66.1 53.4 80.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

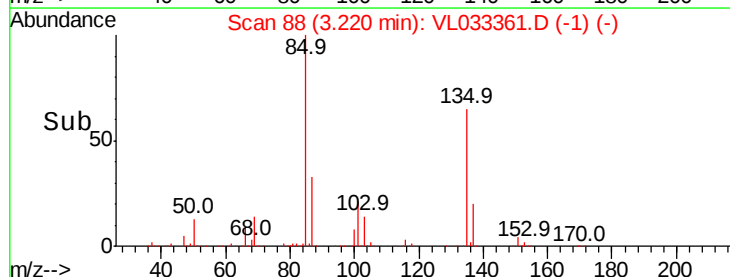
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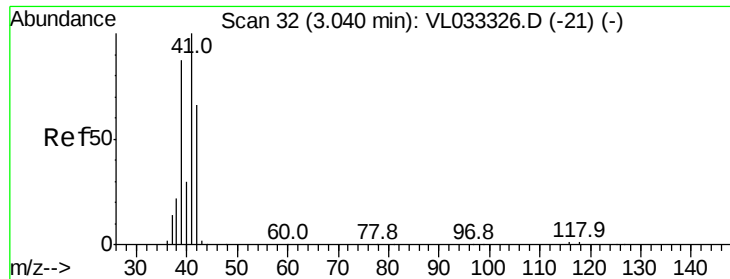
200000

0

3.15 3.20 3.25 3.30

Time-->





#9

Propene

Concen: 9.190 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion: 41 Resp: 364934

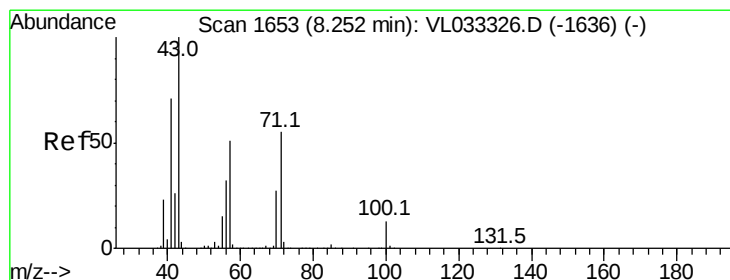
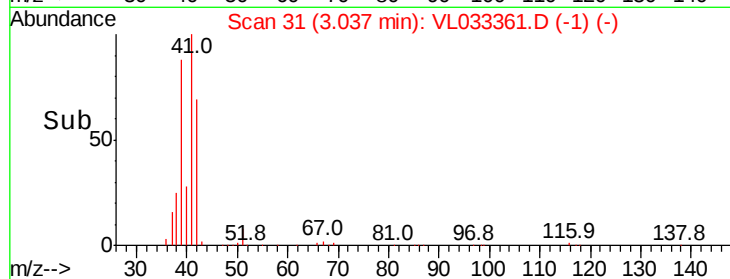
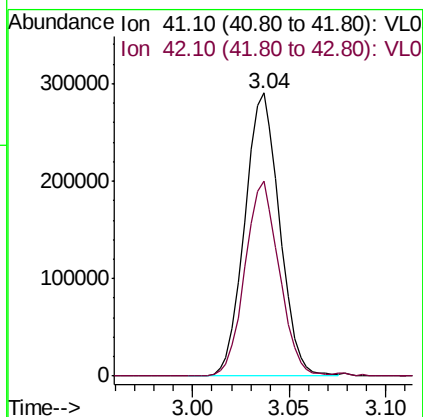
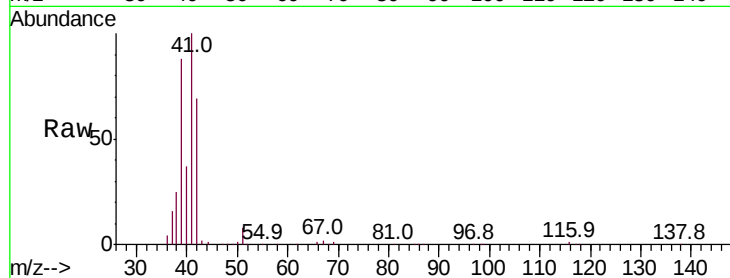
Ion Ratio Lower Upper

41 100

42 68.5 55.2 82.8

Manual Integrations
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3/21/2019 12:14:23 PM



#10

Heptane

Concen: 9.927 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033361.D

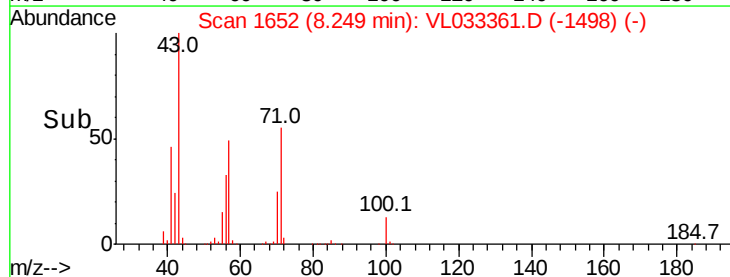
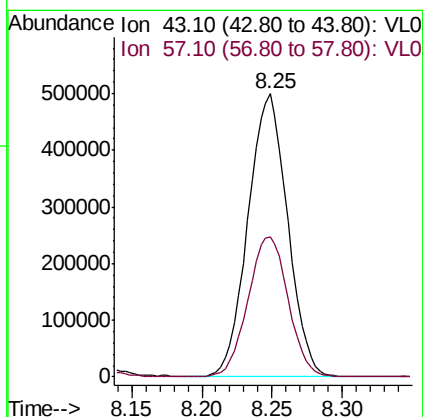
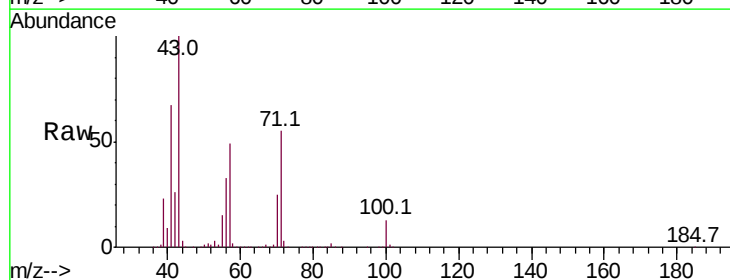
Acq: 18 Mar 2019 16:49

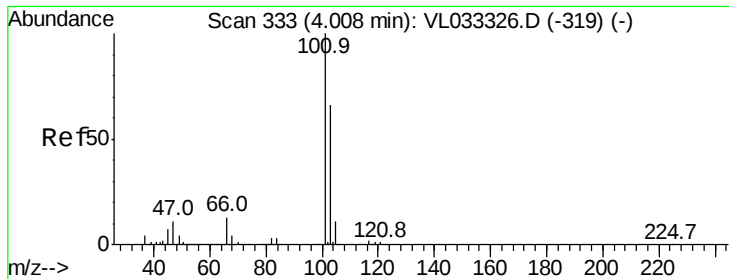
Tgt Ion: 43 Resp: 977738

Ion Ratio Lower Upper

43 100

57 50.3 40.4 60.6





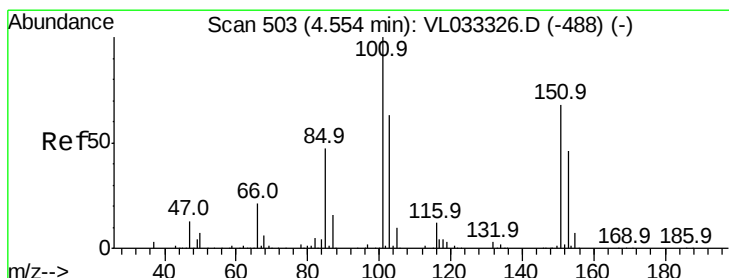
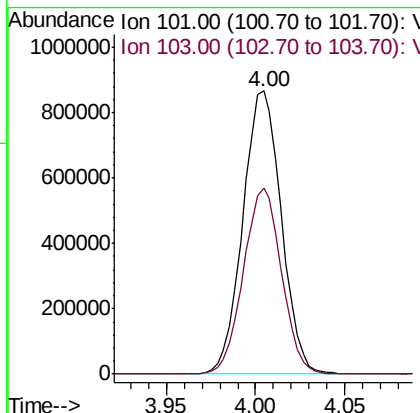
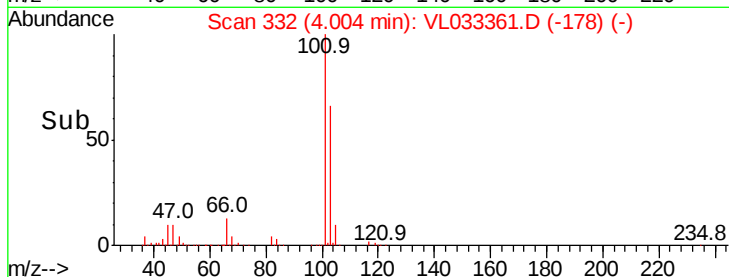
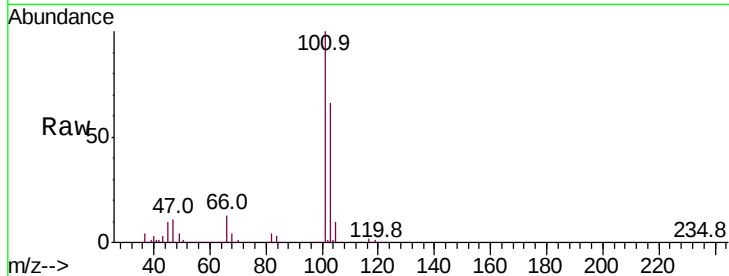
#11
 Trichlorofluoromethane
 Concen: 9.616 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033361.D
 Acq: 18 Mar 2019 16:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0318ABS01

Tot Ion:101 Resp: 1305062
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.9 79.3

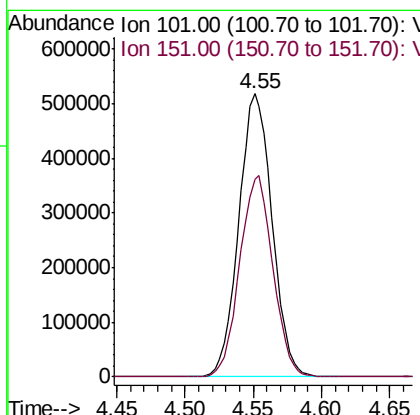
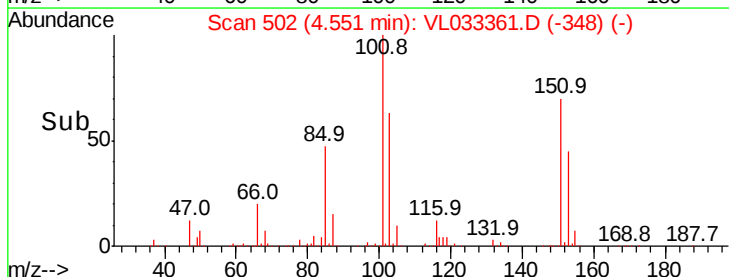
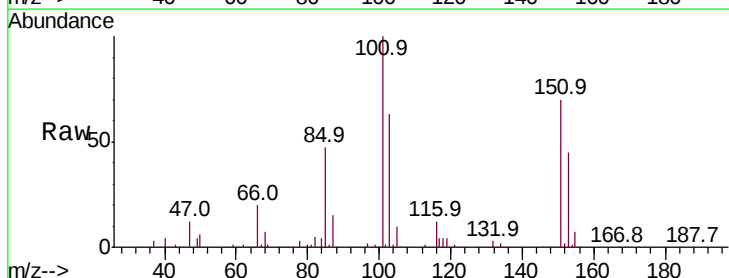
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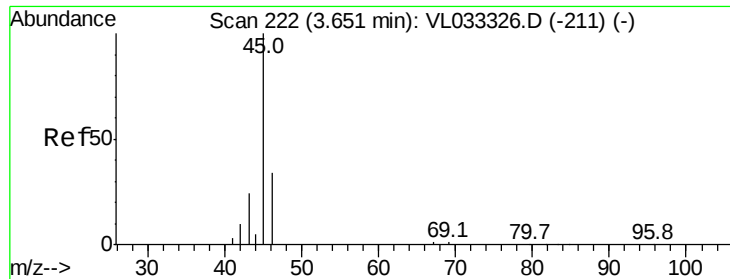
MMDadoda
 3/21/2019 12:14:23 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.752 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033361.D
 Acq: 18 Mar 2019 16:49

Tgt Ion:101 Resp: 878113
 Ion Ratio Lower Upper
 101 100
 151 70.8 56.3 84.5





#13

Ethanol

Concen: 4.054 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion: 45 Resp: 76751

Ion Ratio Lower Upper

45 100

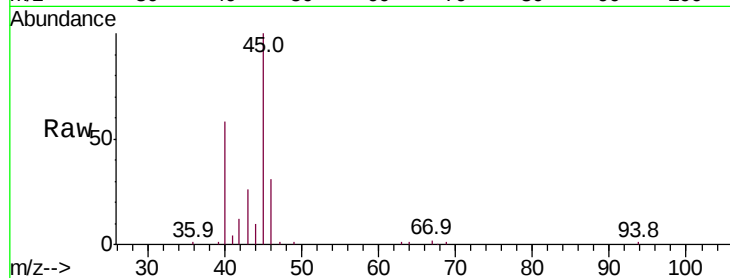
46 36.8 14.9 59.7

Manual Integrations

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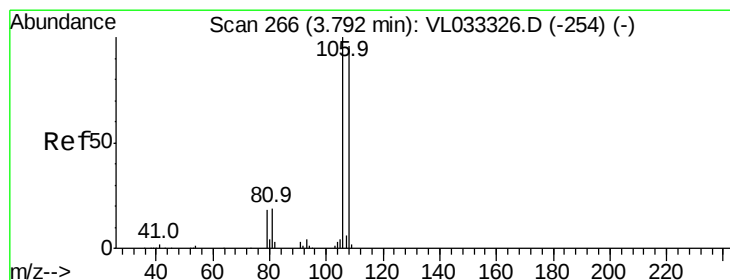
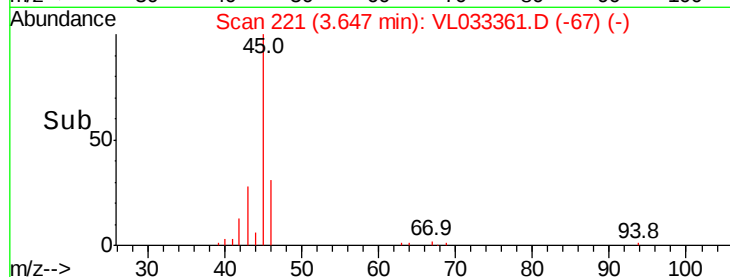
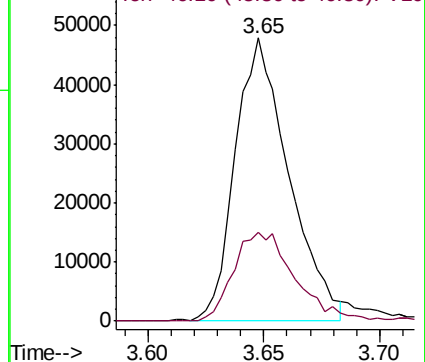
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.847 ppbv

RT: 3.79 min Scan# 265

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

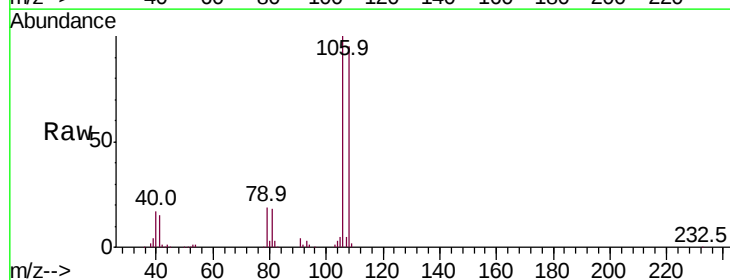
Tgt Ion: 108 Resp: 369598

Ion Ratio Lower Upper

108 100

106 107.0 86.2 129.2

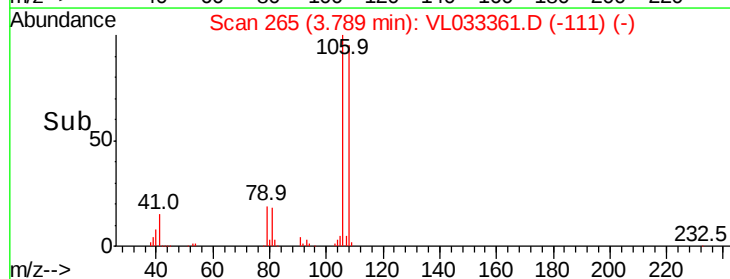
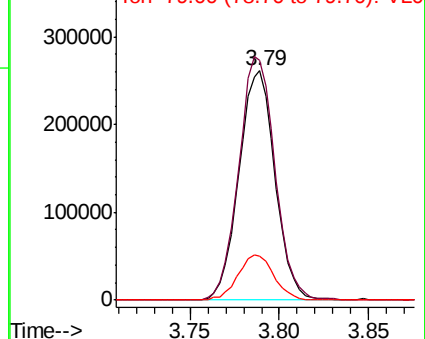
79 20.0 15.4 23.2

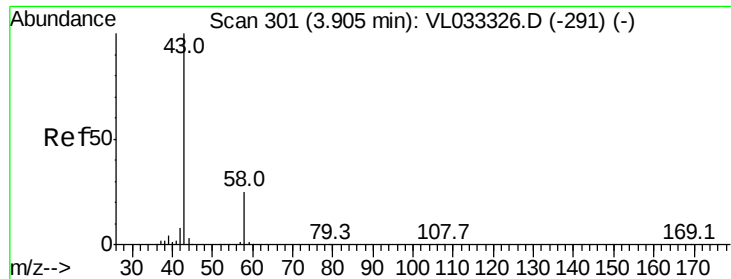


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 6.932 ppbv m

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Tot Ion: 43 Resp: 835178

Ion Ratio Lower Upper

43 100

58 25.4 20.4 30.6

Instrument :

MSVOA_L

ClientSampleId :

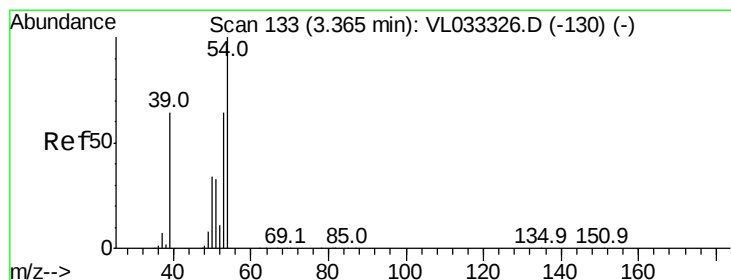
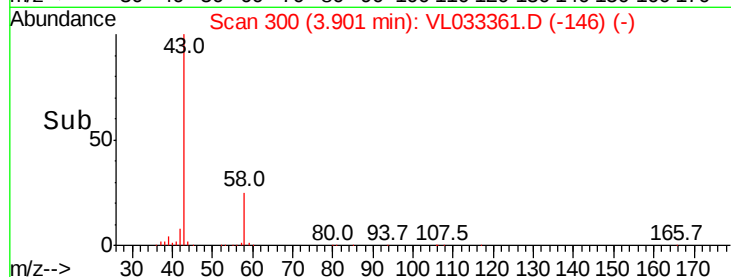
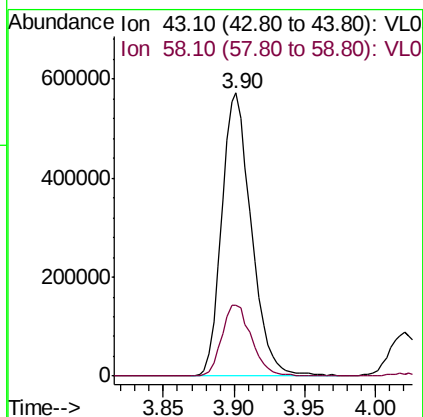
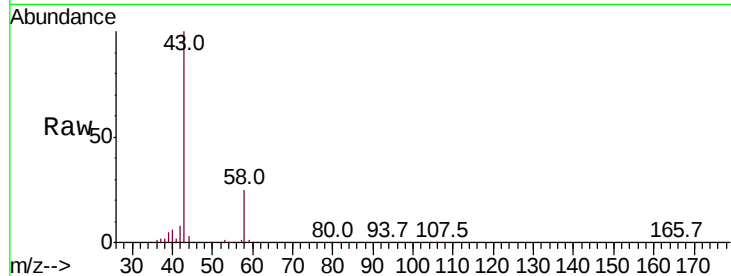
VL0318ABS01

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#16

1,3-Butadiene

Concen: 10.631 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033361.D

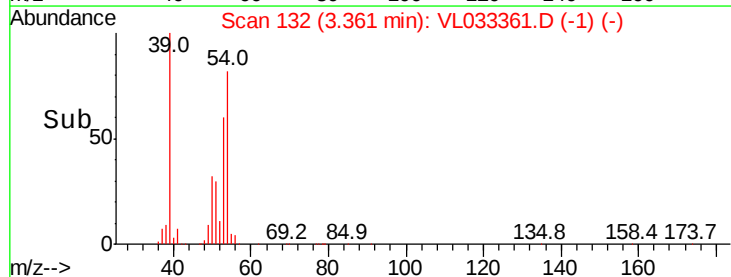
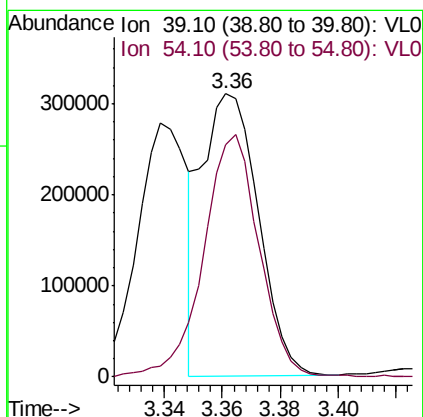
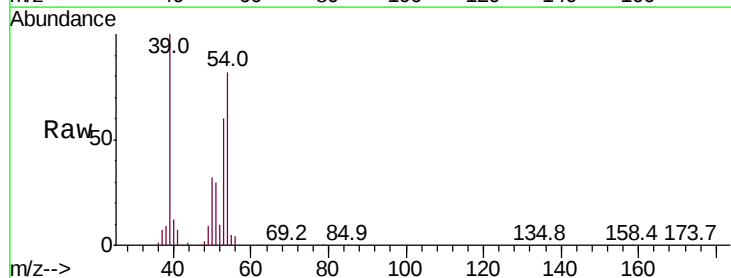
Acq: 18 Mar 2019 16:49

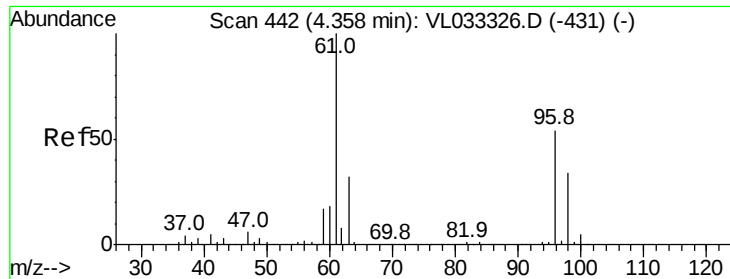
Tgt Ion: 39 Resp: 415992

Ion Ratio Lower Upper

39 100

54 85.7 76.8 115.2





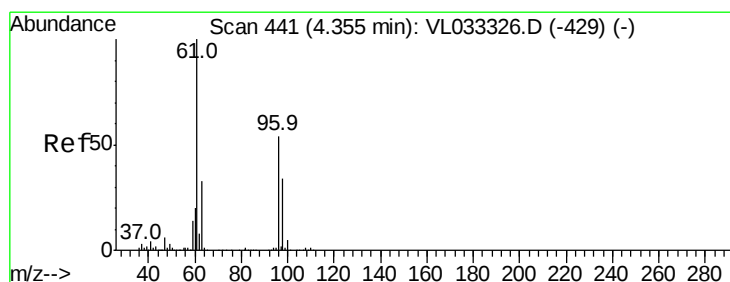
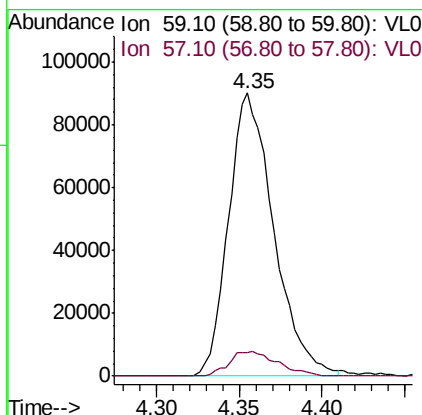
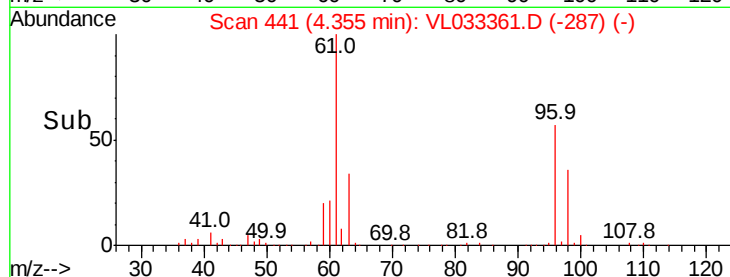
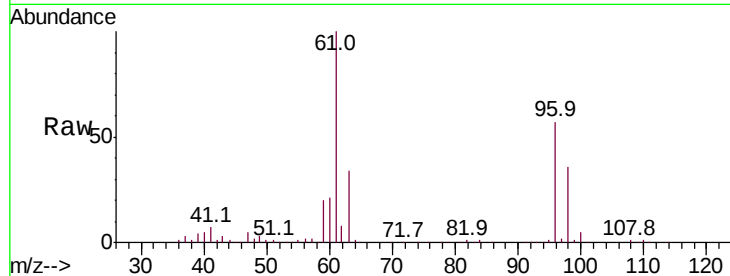
#17
tert-Butyl alcohol
Concen: 10.063 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampled :
VL0318ABS01

Tot Ion: 59 Resp: 170617
Ion Ratio Lower Upper
59 100
57 9.6 7.7 11.5

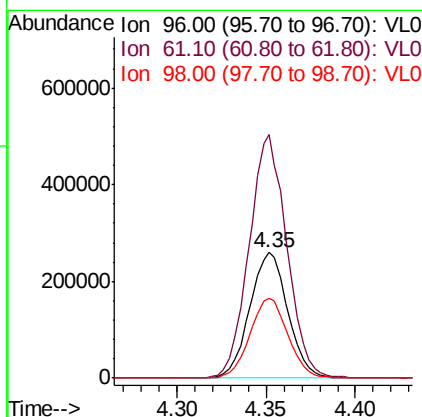
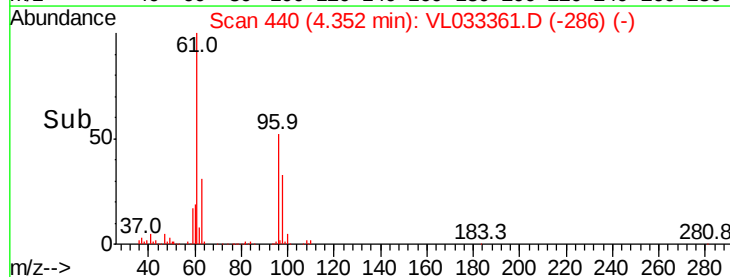
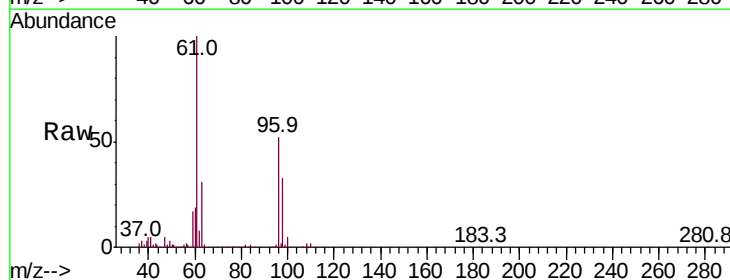
Manual Integrations
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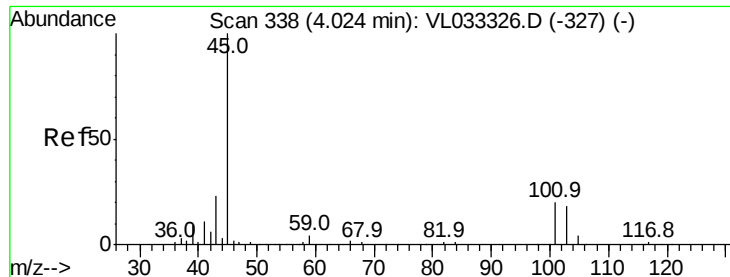
MMDadoda
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#18
1,1-Dichloroethene
Concen: 9.398 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 96 Resp: 386946
Ion Ratio Lower Upper
96 100
61 193.9 148.6 222.8
98 63.2 50.3 75.5





#19

Isopropyl Alcohol

Concen: 9.789 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion: 45 Resp: 561021

Ion Ratio Lower Upper

45 100

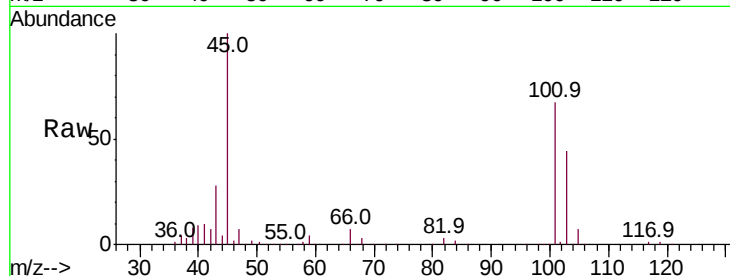
58 2.1 1.5 2.3

Manual Integrations

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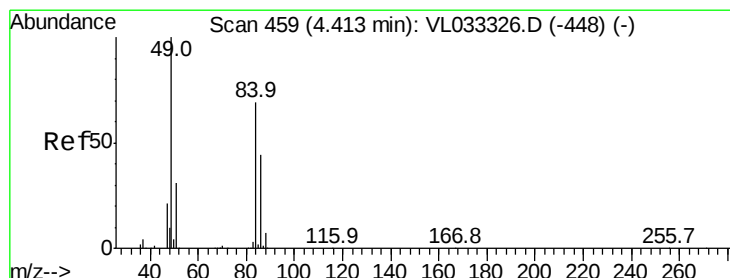
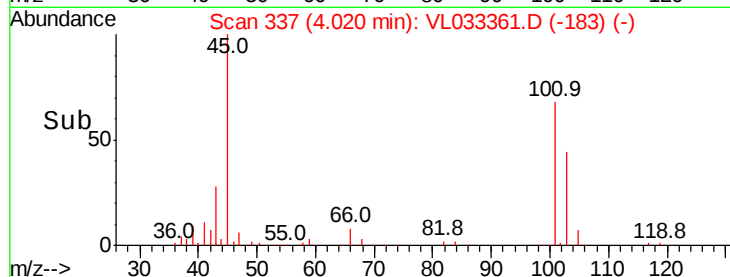
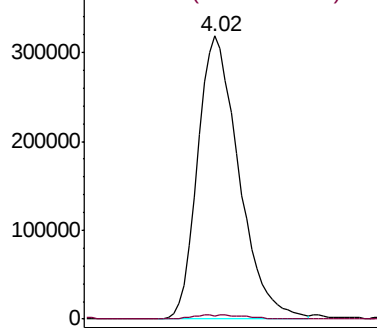
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.169 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Tgt Ion: 84 Resp: 320976

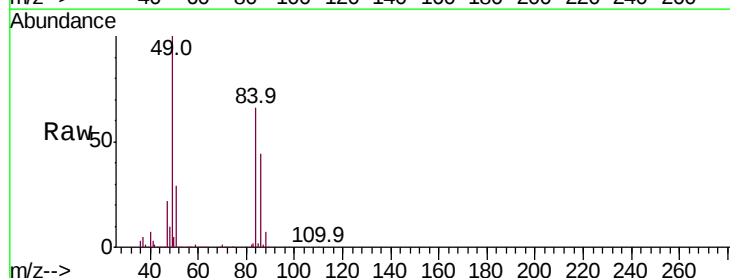
Ion Ratio Lower Upper

84 100

49 149.4 115.4 173.0

51 43.8 35.8 53.6

86 66.4 50.6 75.8

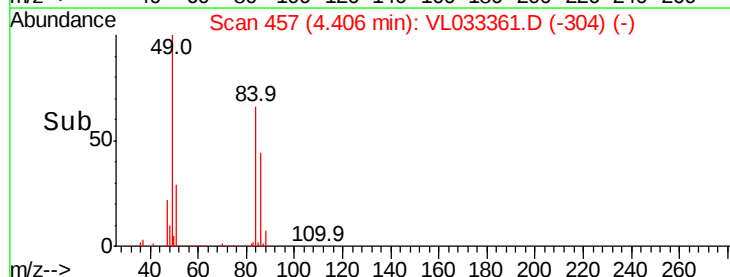
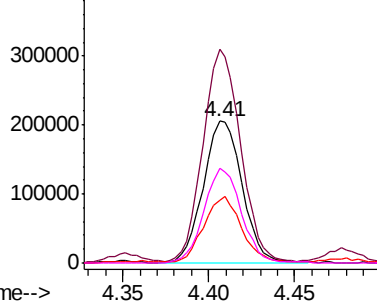


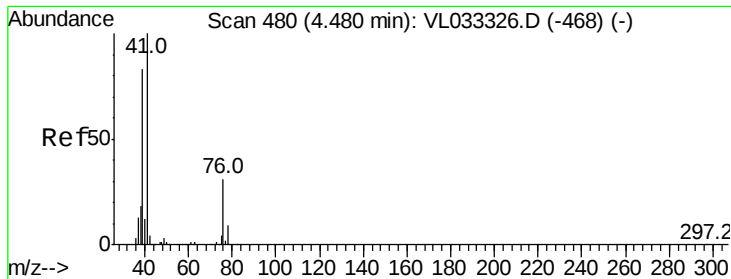
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 10.063 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

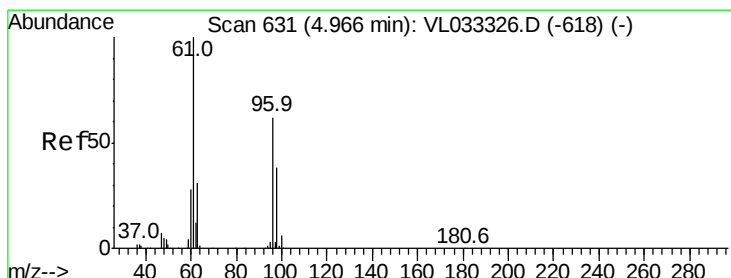
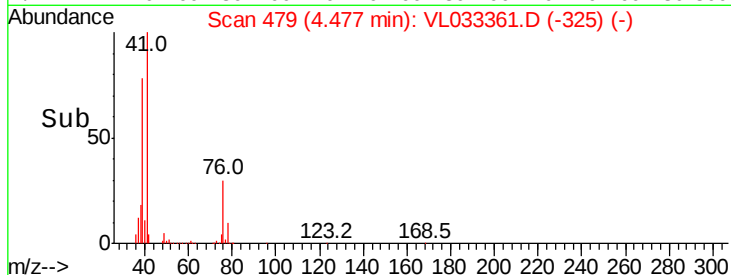
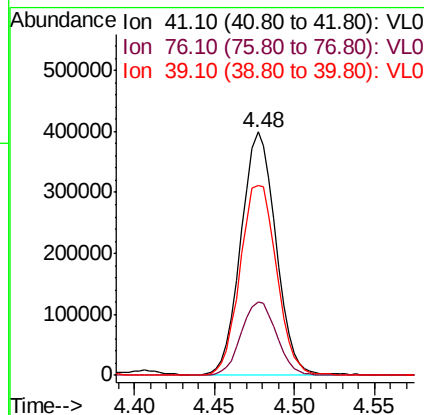
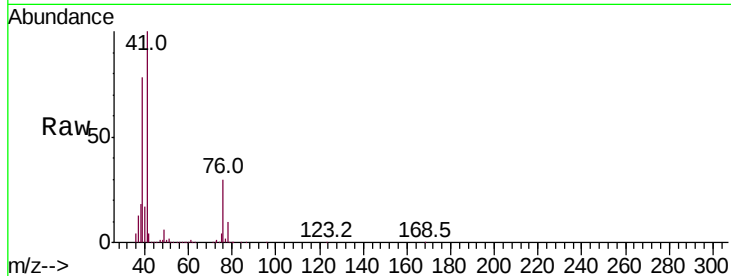
ClientSampleId :

VL0318ABS01

Tot Ion:	41	Resp:	588138
Ion Ratio	Lower	Upper	
41	100		
76	30.8	25.0	37.4
39	83.0	65.9	98.9

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#22

trans-1,2-Dichloroethene

Concen: 9.890 ppbv

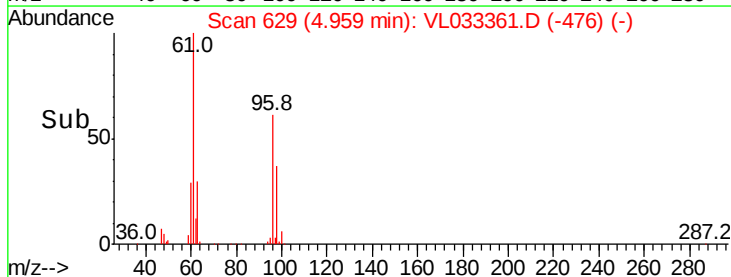
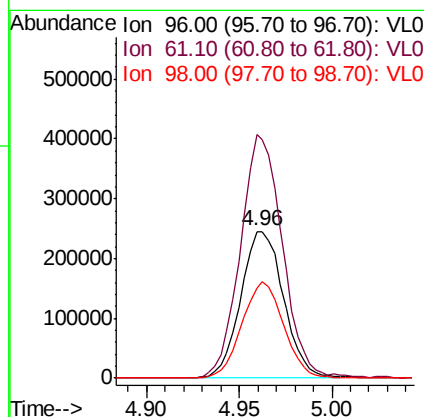
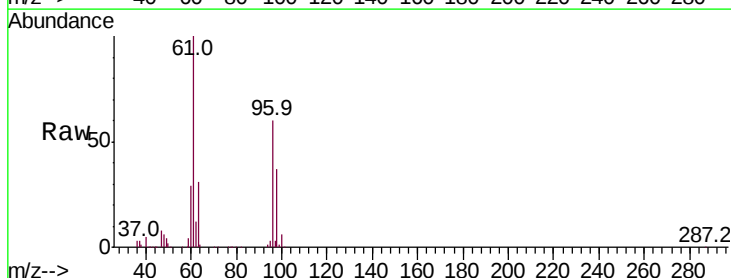
RT: 4.96 min Scan# 629

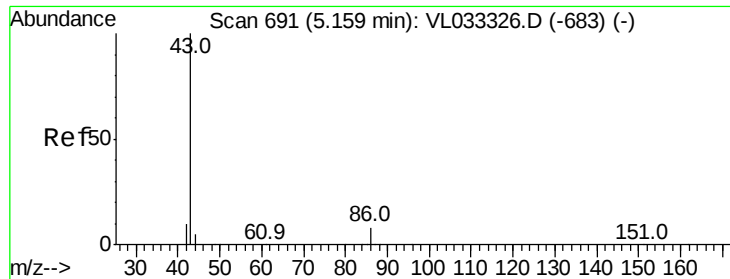
Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Tgt Ion:	96	Resp:	394633
Ion Ratio	Lower	Upper	
96	100		
61	165.8	130.0	195.0
98	61.5	50.0	75.0





#23

Vinyl Acetate

Concen: 9.740 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion: 43 Resp: 1357730

Ion Ratio Lower Upper

43 100

86 7.1 6.2 9.2

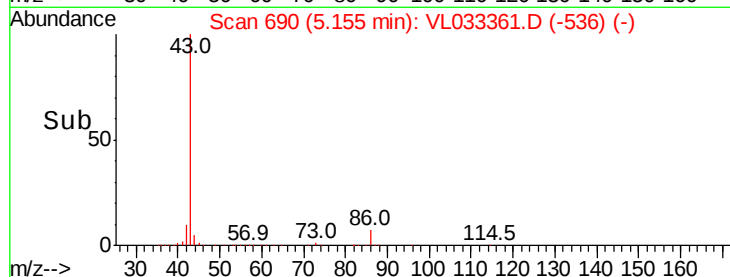
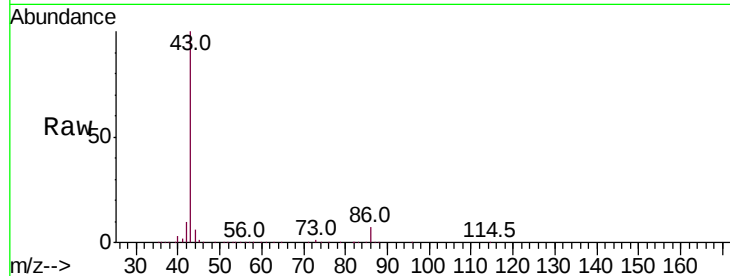
42 10.2 8.1 12.1

44 5.5 4.1 6.1

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3/21/2019 12:14:23 PM

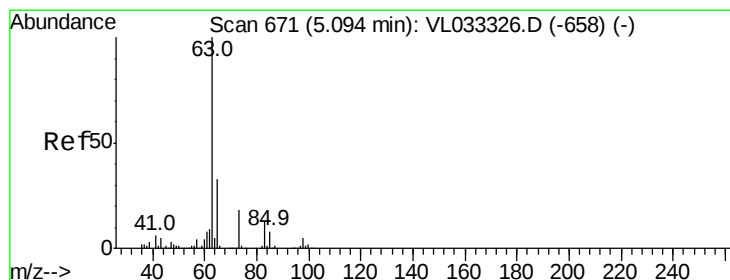
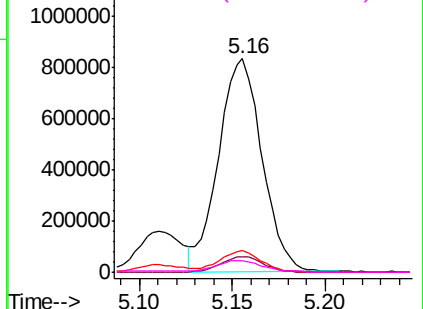


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.645 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

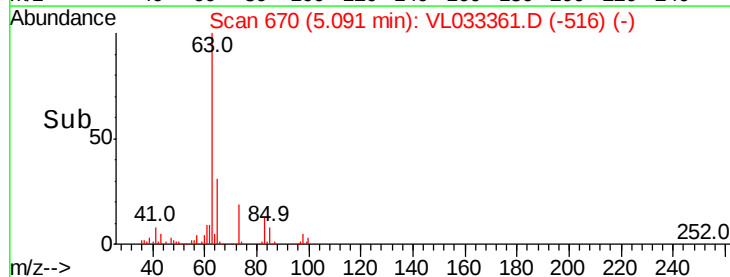
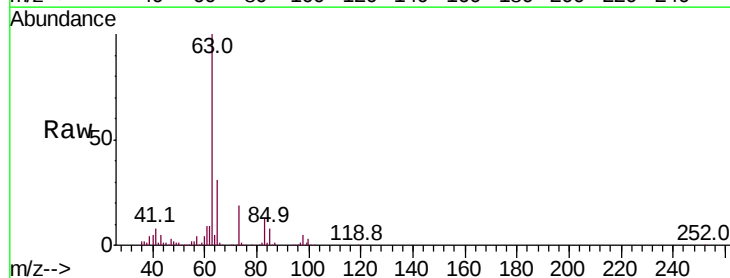
Tgt Ion: 63 Resp: 971080

Ion Ratio Lower Upper

63 100

98 4.4 2.4 7.1

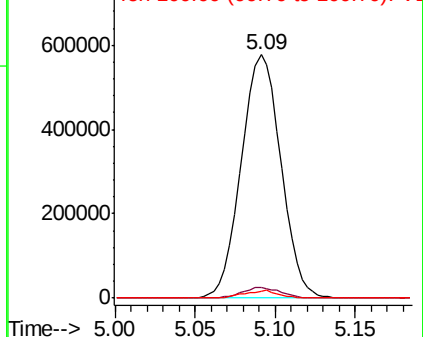
100 2.7 1.3 3.8

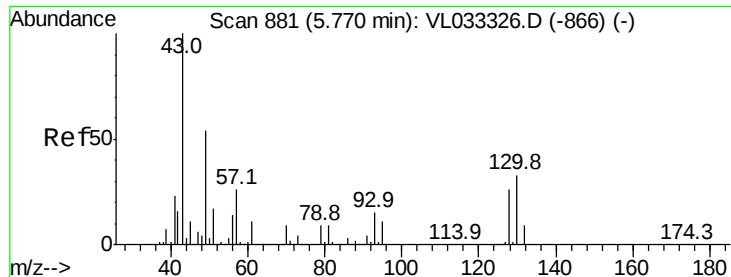


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





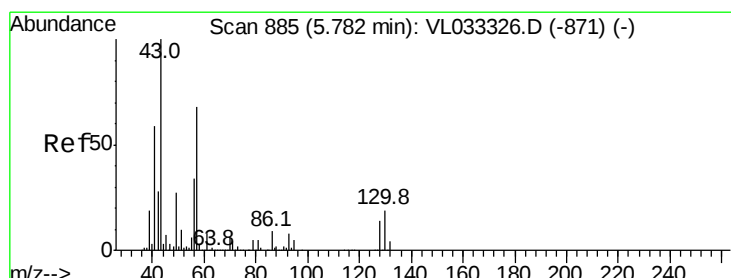
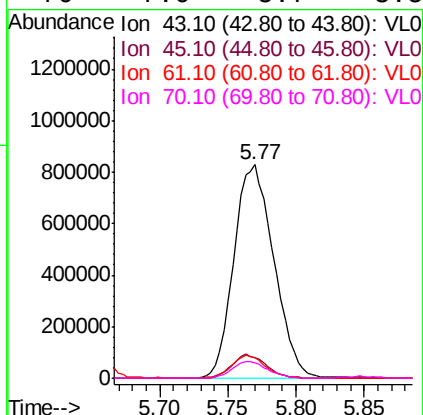
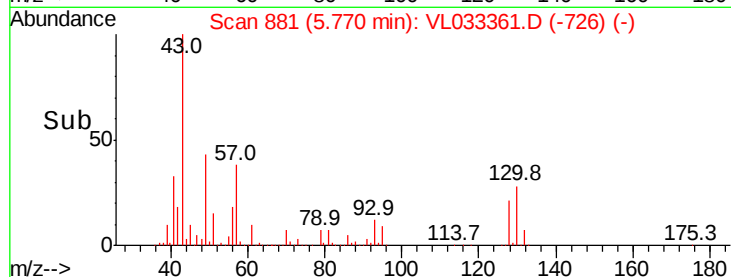
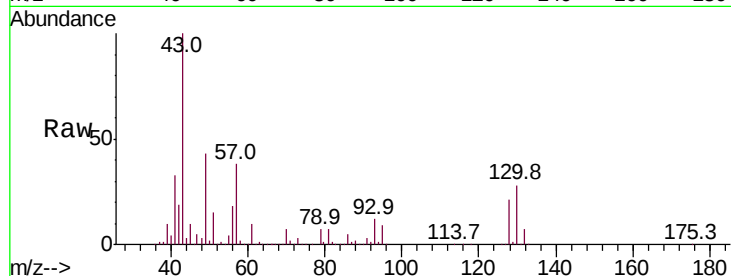
#25
Ethyl Acetate
Concen: 9.612 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tot Ion	43	Resp	1683425
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.2	7.4	11.2
70	7.0	5.7	8.5

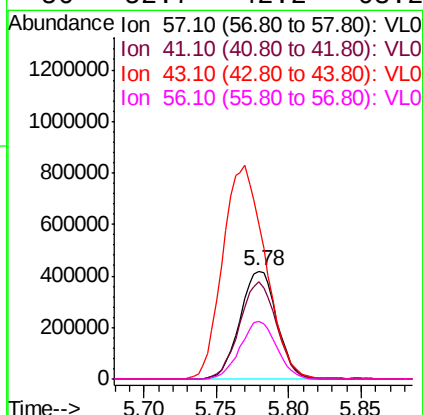
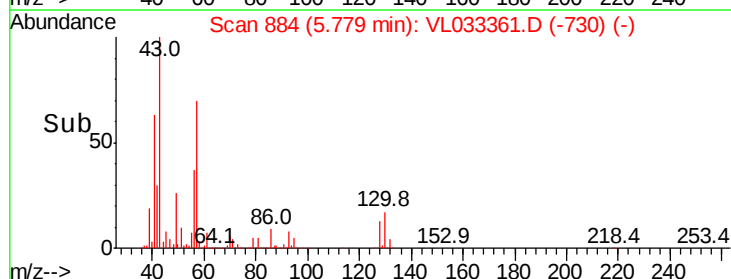
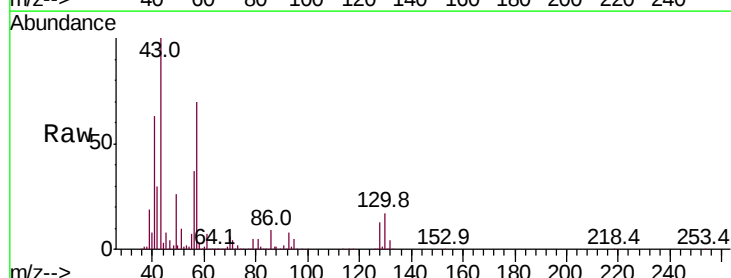
Manual Integrations
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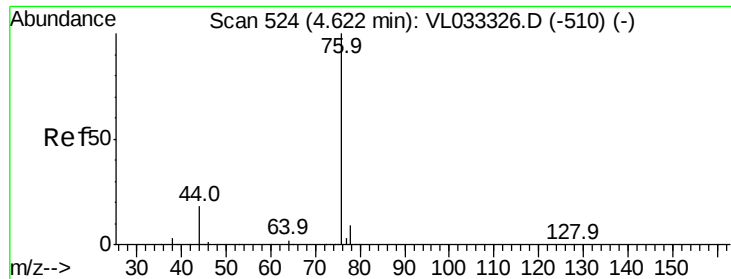
MMDadoda
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#26
Hexane
Concen: 9.481 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion	57	Resp	742279
Ion	Ratio	Lower	Upper
57	100		
41	90.2	70.5	105.7
43	227.3	181.8	272.8
56	52.7	42.2	63.2





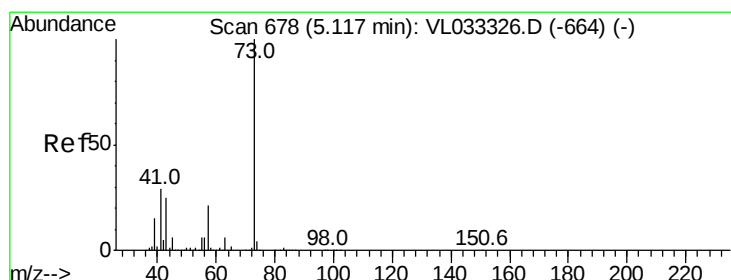
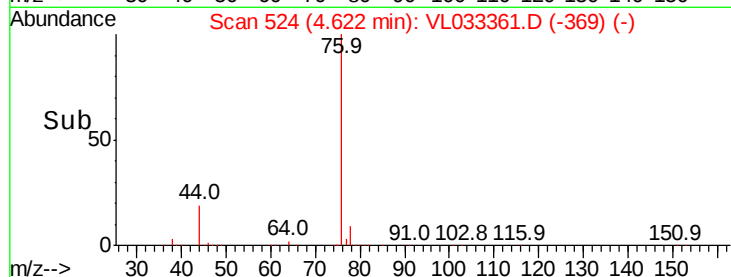
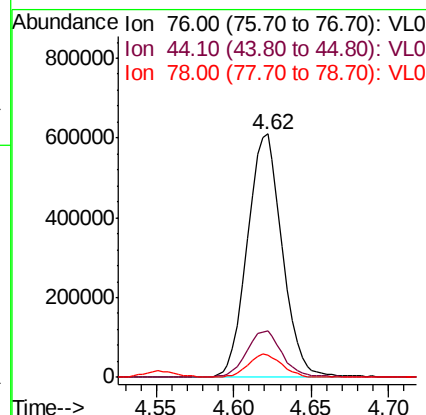
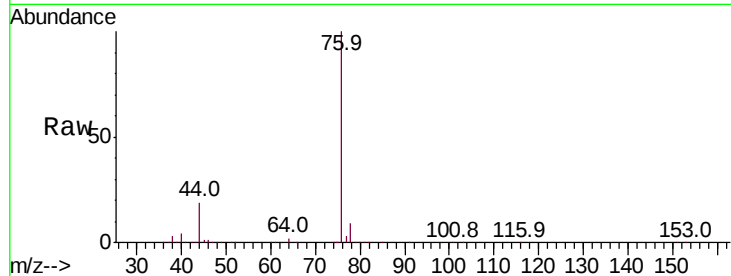
#27
Carbon Disulfide
Concen: 10.621 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.2	22.8
78	9.3	7.2	10.8

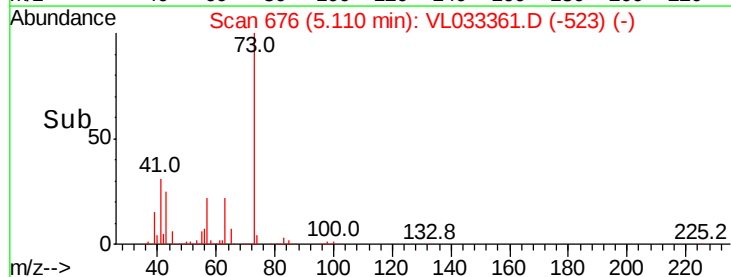
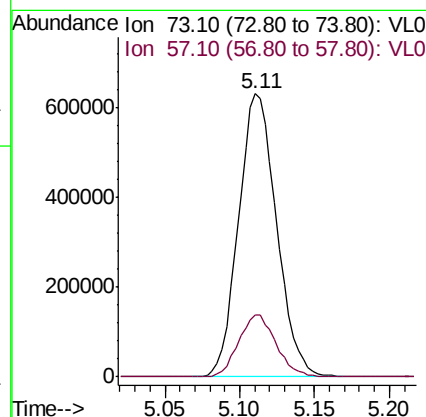
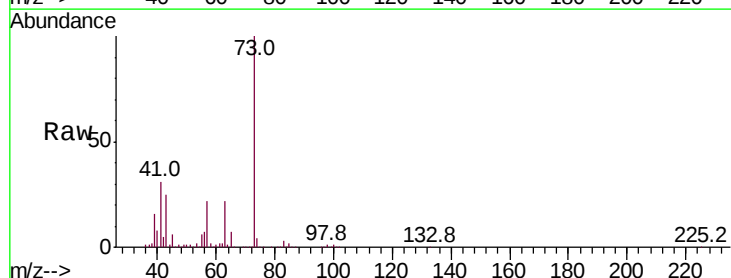
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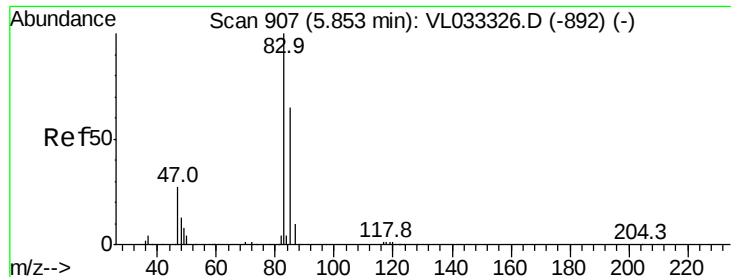
MMDadoda
3/21/2019 12:14:23 PM



#28
Methyl tert-Butyl Ether
Concen: 9.604 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0





#29

Chloroform

Concen: 9.815 ppbv

RT: 5.85 min Scan# 906

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion: 83 Resp: 1258270

Ion Ratio Lower Upper

83 100

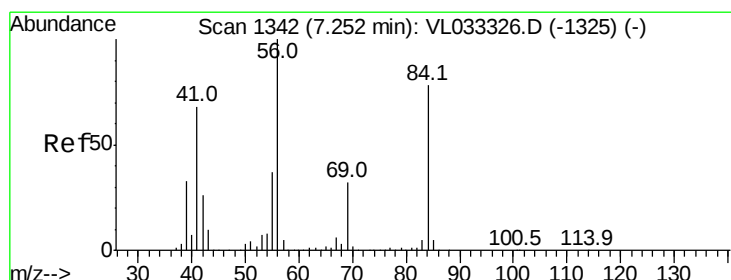
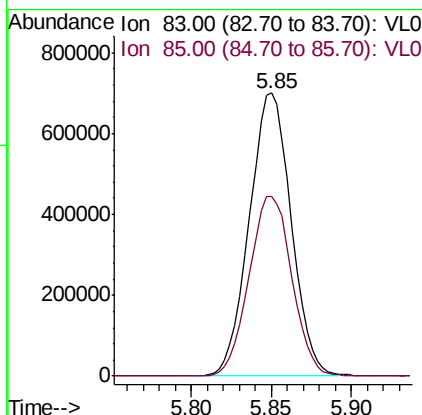
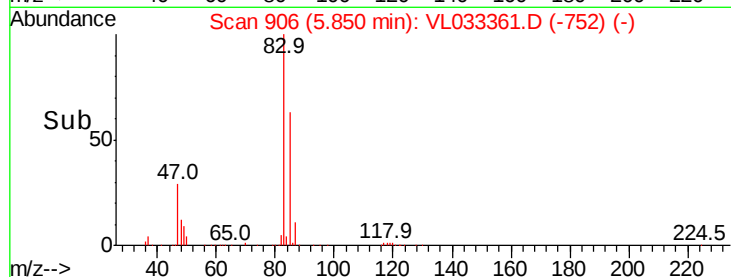
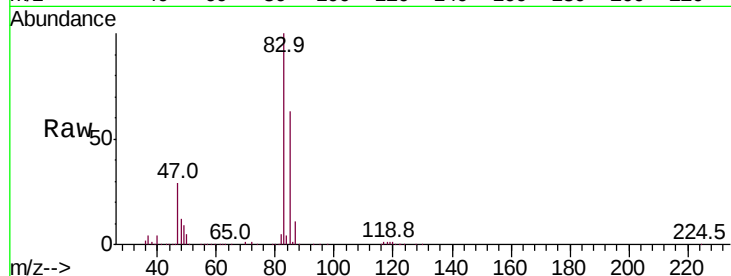
85 63.3 52.0 78.0

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3/21/2019 12:14:23 PM



#30

Cyclohexane

Concen: 9.713 ppbv

RT: 7.25 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

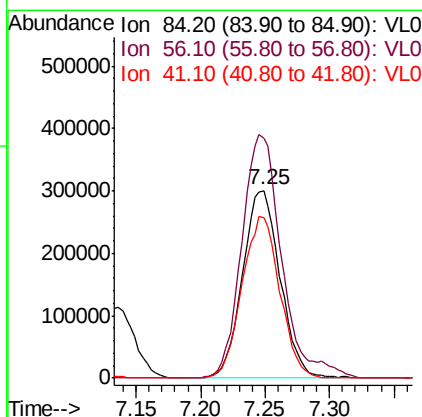
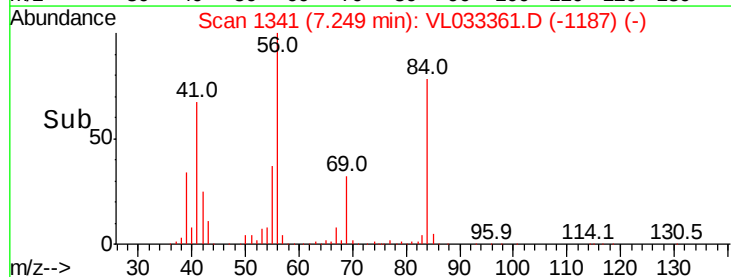
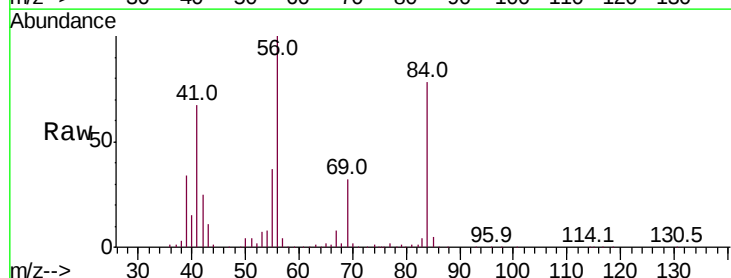
Tgt Ion: 84 Resp: 609698

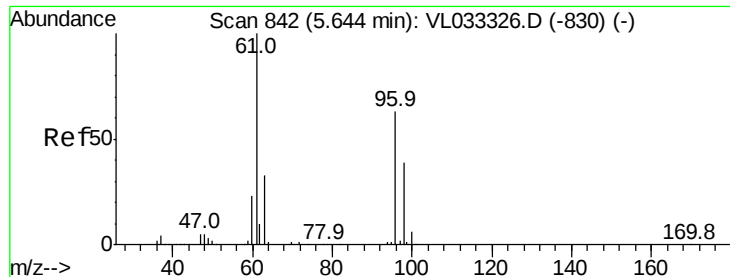
Ion Ratio Lower Upper

84 100

56 138.4 111.3 166.9

41 86.9 69.6 104.4





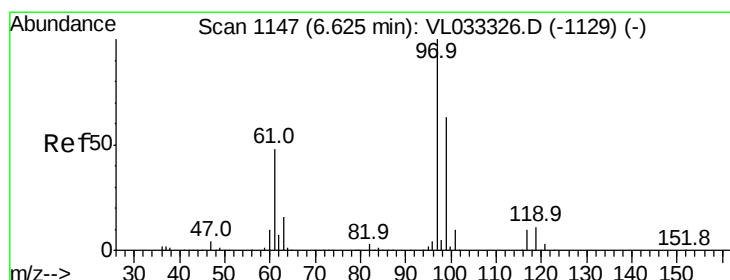
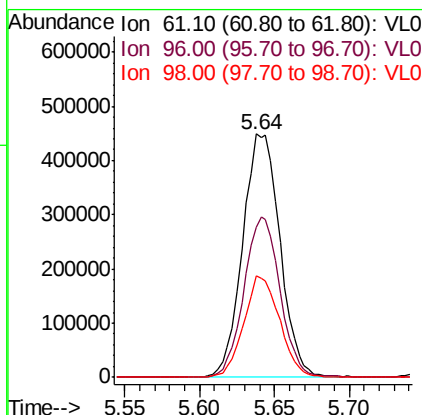
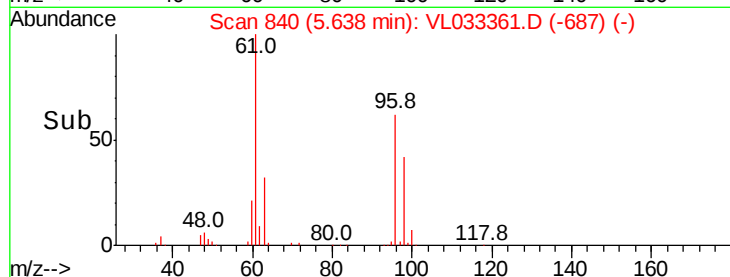
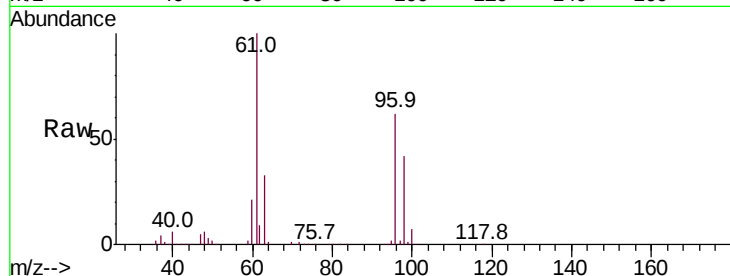
#31
 cis-1,2-Dichloroethene
 Concen: 9.988 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: VL033361.D
 Acq: 18 Mar 2019 16:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0318ABS01

Tot Ion	Ratio	Resp	Lower	Upper
61	100	781883		
96	61.9		50.3	75.5
98	41.6		31.5	47.3

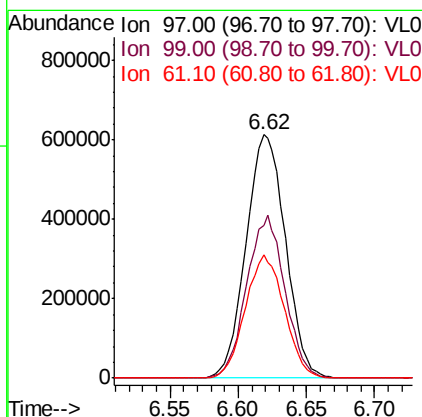
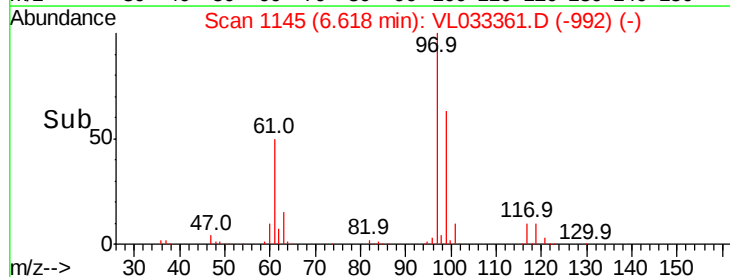
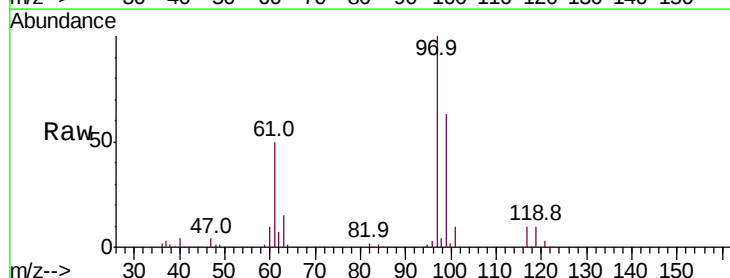
Manual Integrations
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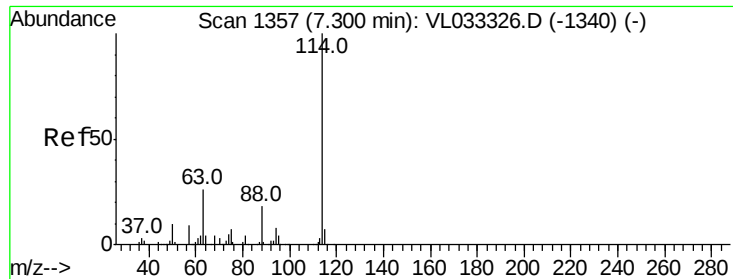
MMDadoda
 3/21/2019 12:14:23 PM



#32
 1,1,1-Trichloroethane
 Concen: 9.774 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VL033361.D
 Acq: 18 Mar 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	1230311		
99	64.7		51.0	76.6
61	50.2		39.3	58.9





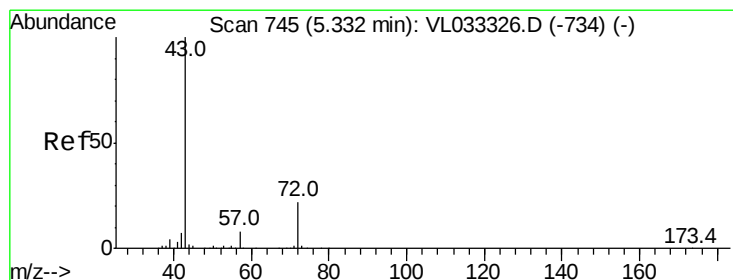
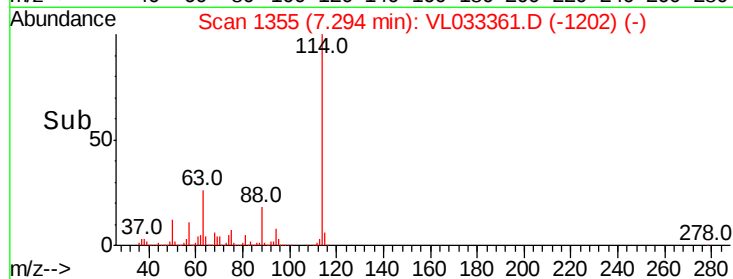
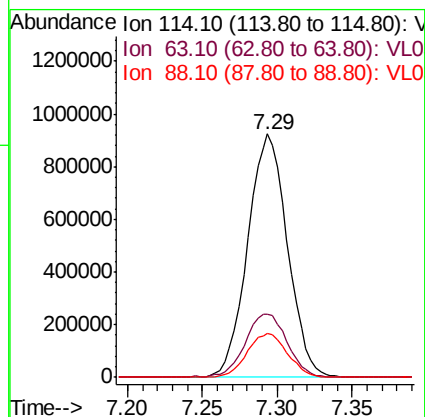
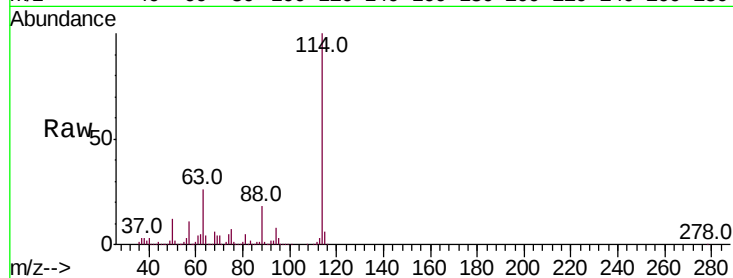
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	21.4	32.2
88	18.3	14.5	21.7

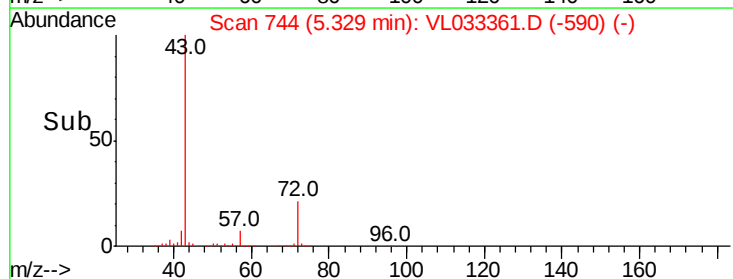
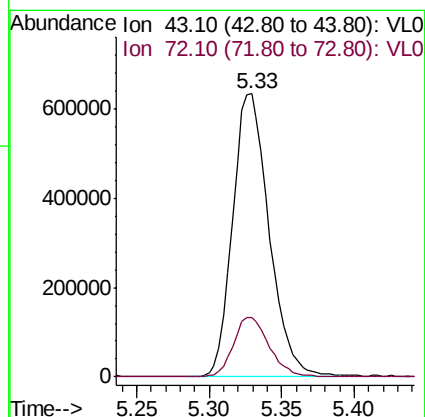
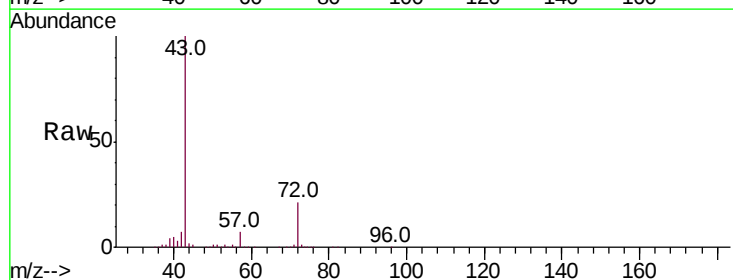
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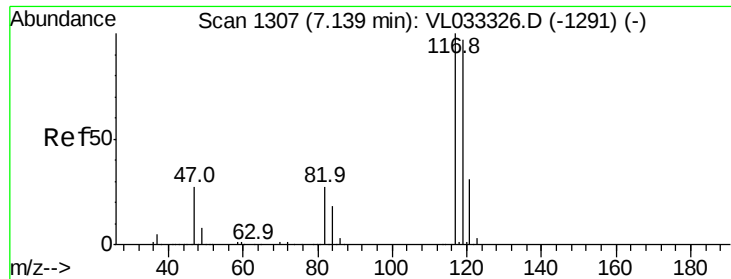
MMDadoda
3/21/2019 12:14:23 PM



#34
2-Butanone
Concen: 9.783 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	17.7	26.5





#35

Carbon Tetrachloride

Concen: 10.817 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion:117 Resp: 1304648

Ion Ratio Lower Upper

117 100

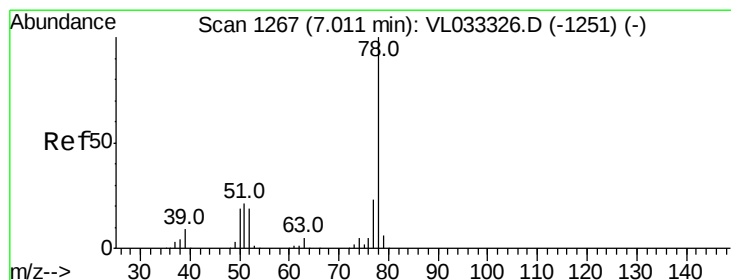
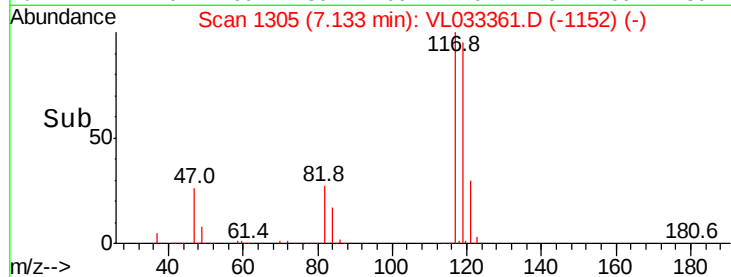
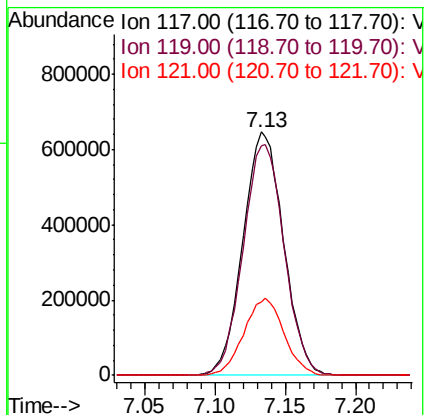
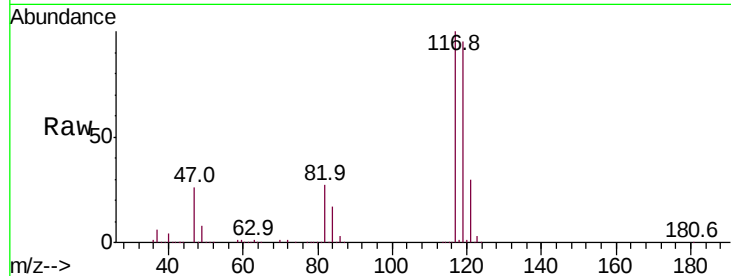
119 94.5 77.4 116.0

121 30.2 24.9 37.3

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3/21/2019 12:14:23 PM



#36

Benzene

Concen: 9.862 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

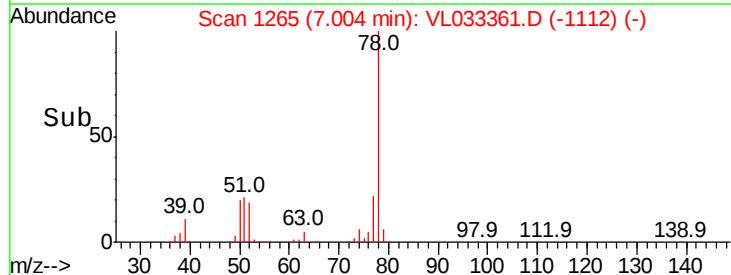
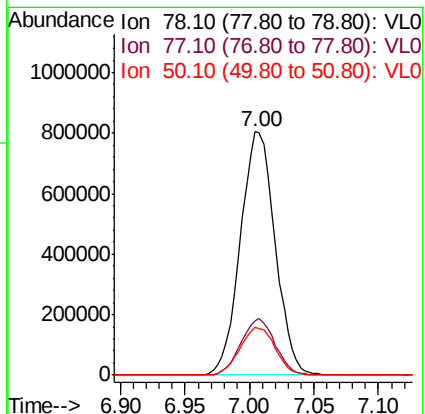
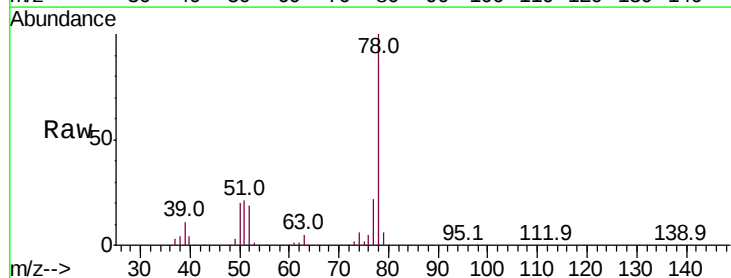
Tgt Ion: 78 Resp: 1510012

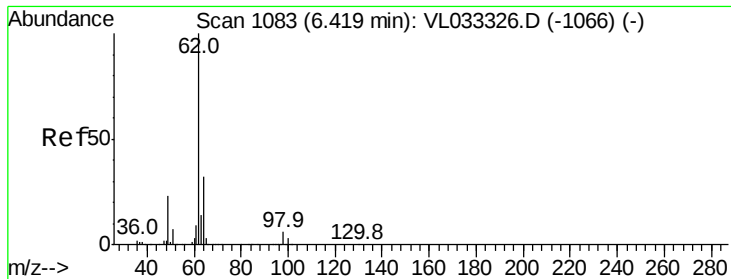
Ion Ratio Lower Upper

78 100

77 22.1 18.1 27.1

50 19.9 15.2 22.8





#37

1,2-Dichloroethane

Concen: 10.055 ppbv

RT: 6.41 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion: 62 Resp: 973483

Ion Ratio Lower Upper

62 100

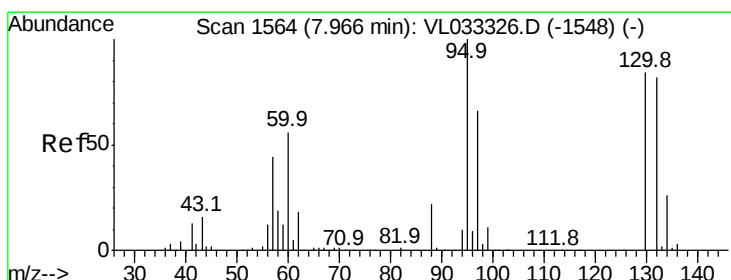
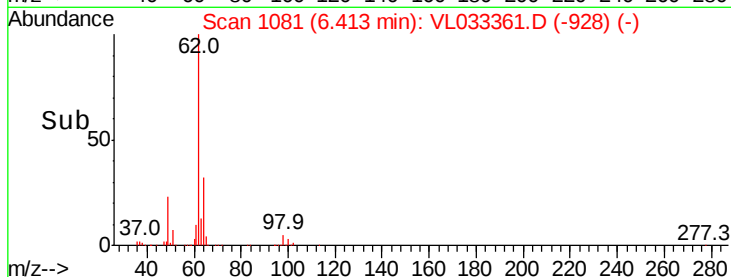
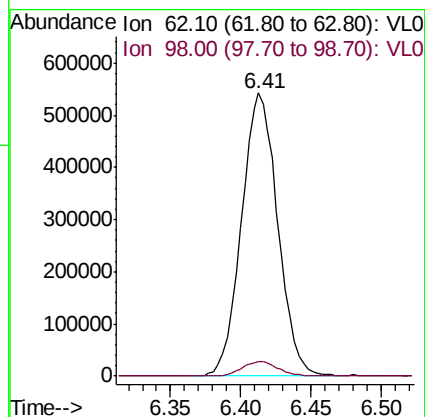
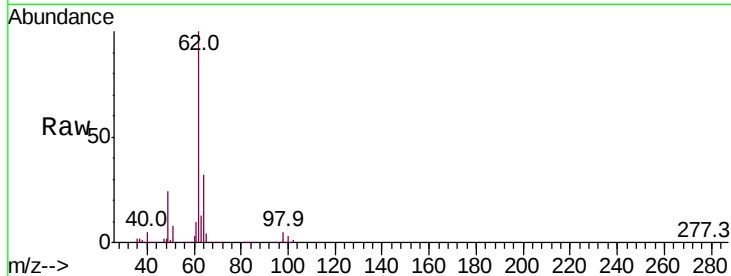
98 5.3 4.5 6.7

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3/21/2019 12:14:23 PM



#38

Trichloroethene

Concen: 10.010 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Tgt Ion:130 Resp: 579962

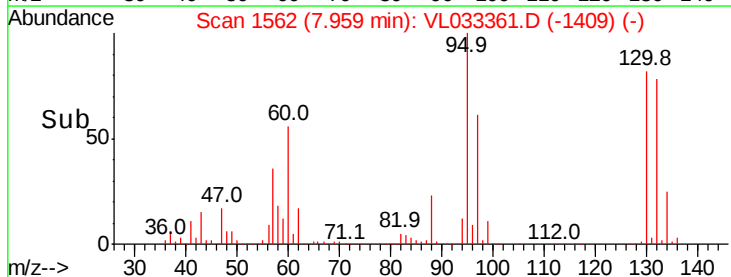
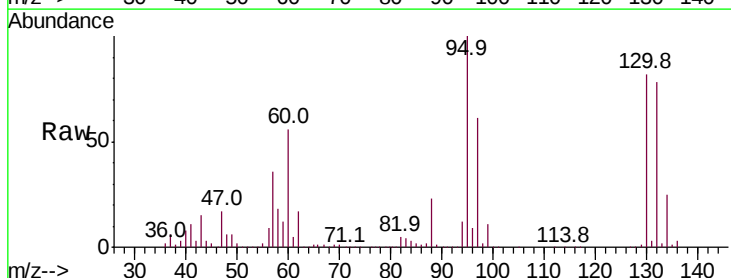
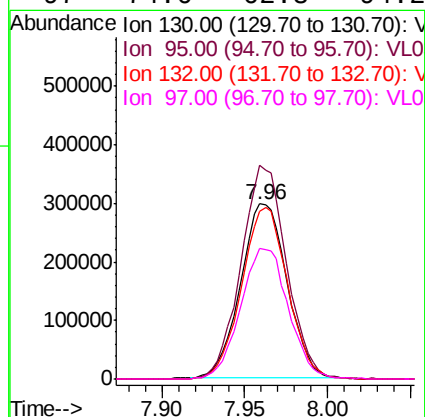
Ion Ratio Lower Upper

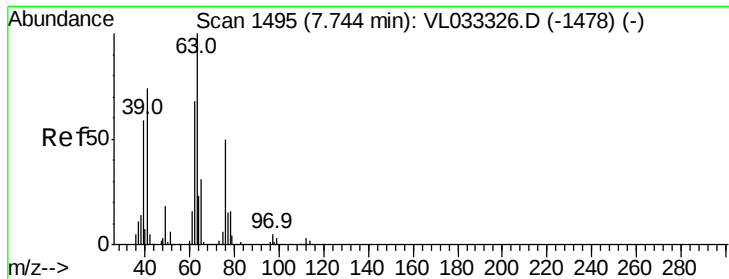
130 100

95 122.3 95.2 142.8

132 95.9 77.7 116.5

97 74.6 62.8 94.2





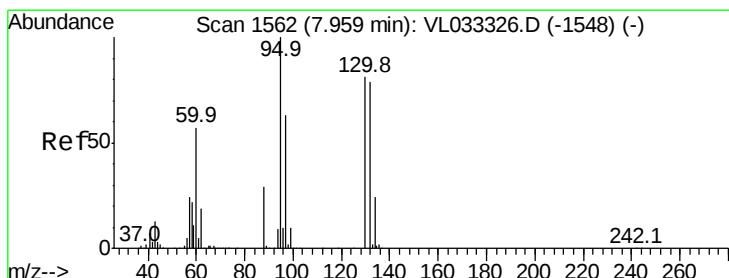
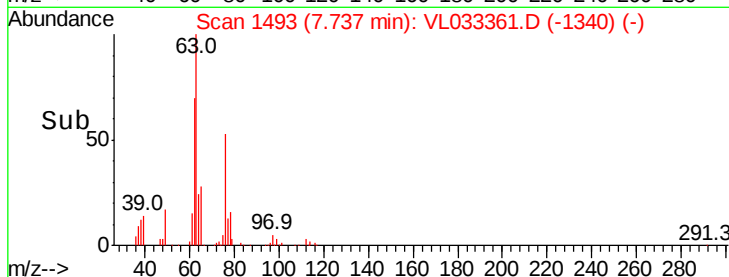
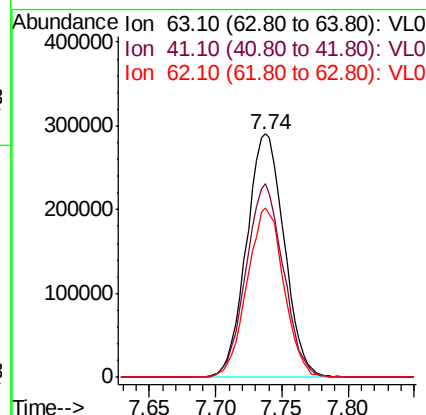
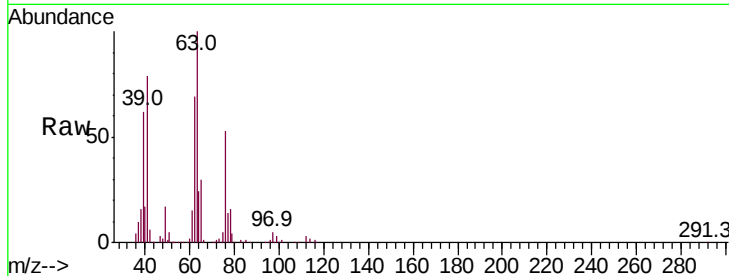
#39
 1,2-Dichloropropane
 Concen: 10.020 ppbv
 RT: 7.74 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VL033361.D
 Acq: 18 Mar 2019 16:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0318ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.3	59.5	89.3
62	69.5	54.7	82.1

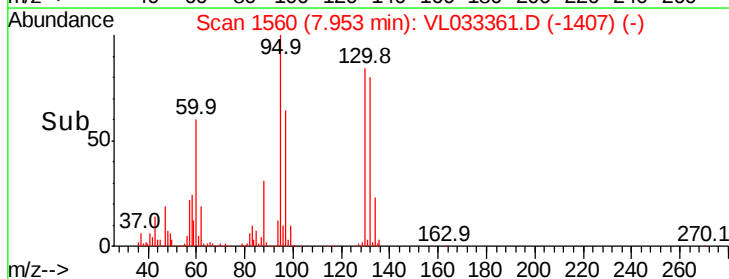
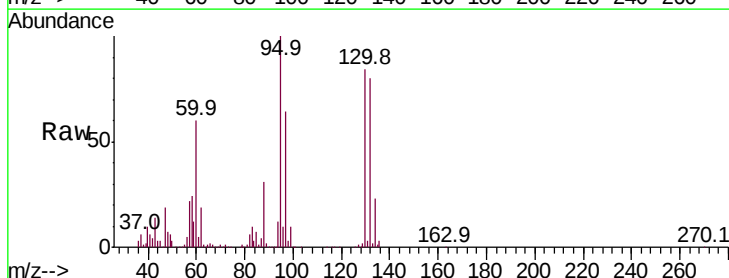
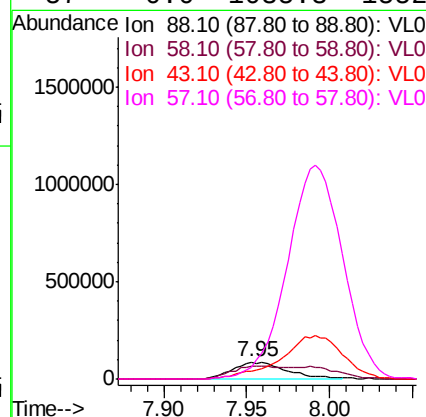
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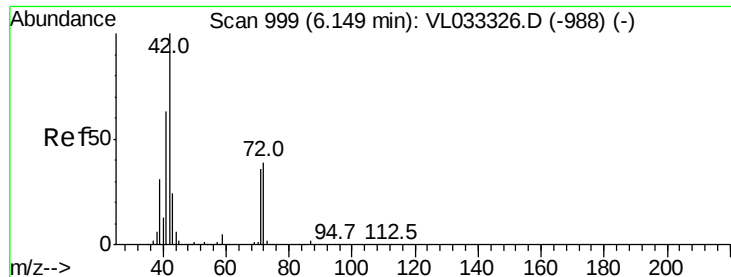
MMDadoda
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#40
 1,4-Dioxane
 Concen: 9.578 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL033361.D
 Acq: 18 Mar 2019 16:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	138.6	107.9	161.9
43	0.0	230.8	346.2#
57	0.0	1035.3	1552.9#





#41

Tetrahydrofuran

Concen: 10.095 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

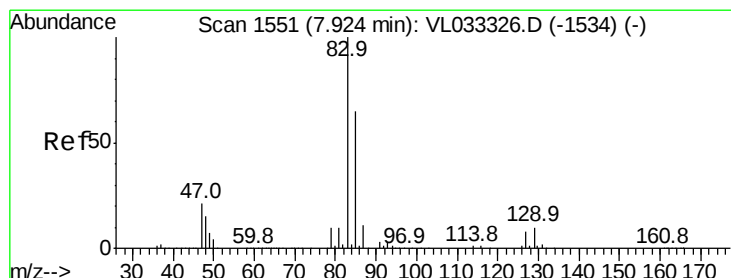
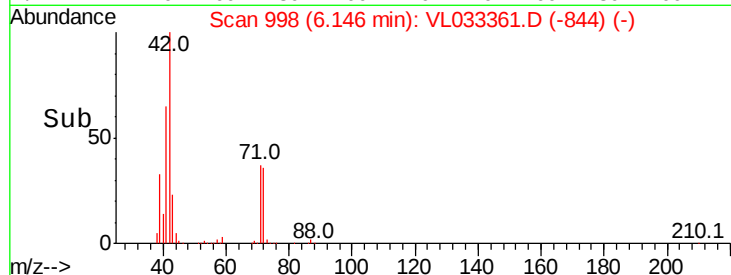
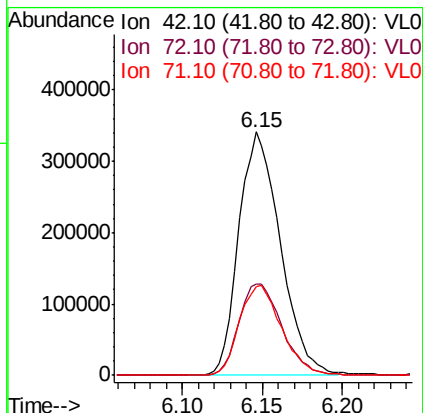
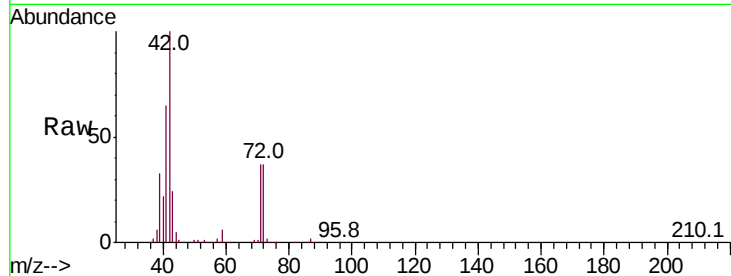
ClientSampleId :

VL0318ABS01

Tot Ion:	42	Resp:	605288
Ion Ratio	Lower	Upper	
42	100		
72	39.1	31.6	47.4
71	37.8	29.9	44.9

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.437 ppbv

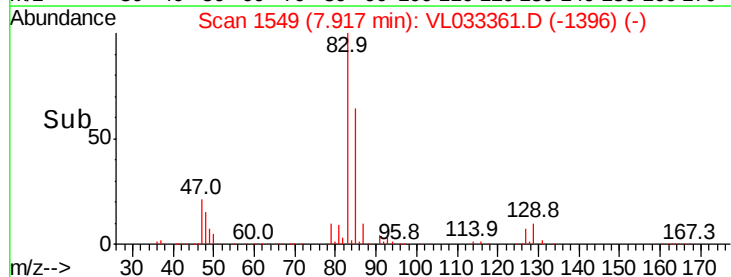
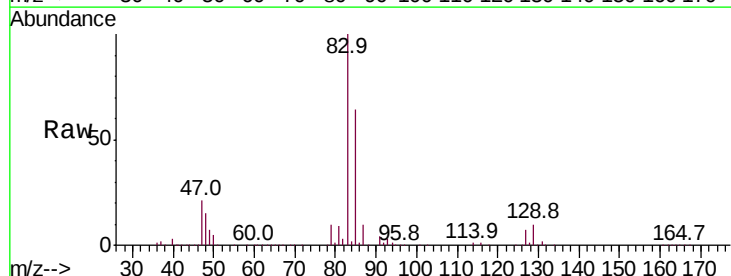
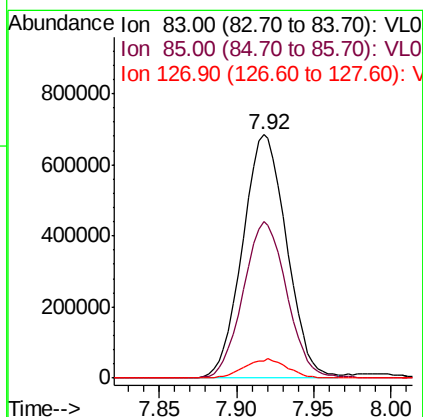
RT: 7.92 min Scan# 1549

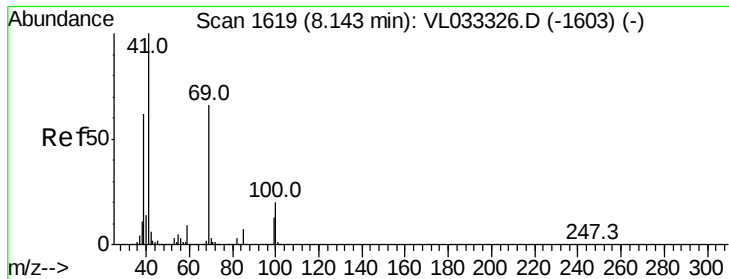
Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Tgt Ion:	83	Resp:	1354684
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.8	77.6
127	7.1	6.2	9.2





#43

Methyl Methacrylate

Concen: 10.378 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

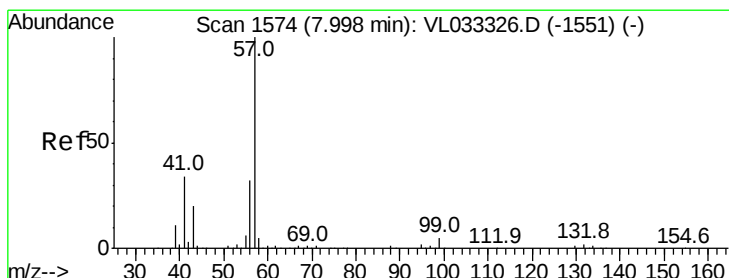
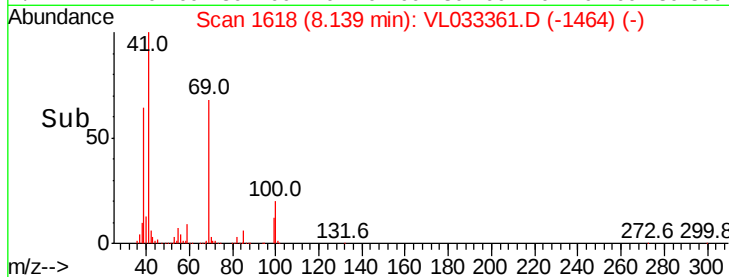
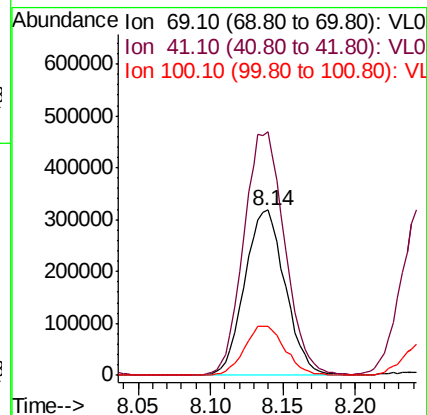
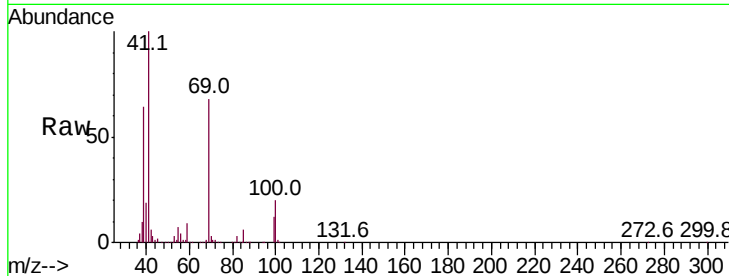
Instrument :
MSVOA_L

ClientSampleId :
VL0318ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	149.3	119.5	179.3
100	29.8	24.4	36.6

Manual Integrations
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3/21/2019 12:14:23 PM



#44

2,2,4-Trimethylpentane

Concen: 10.139 ppbv

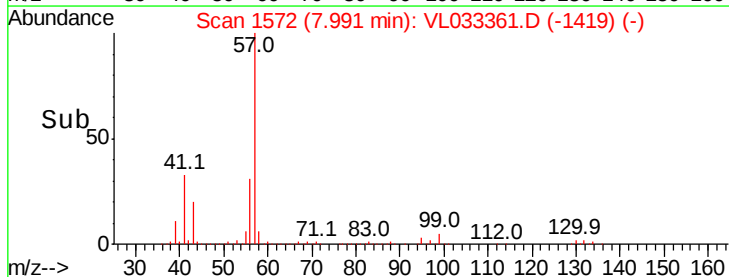
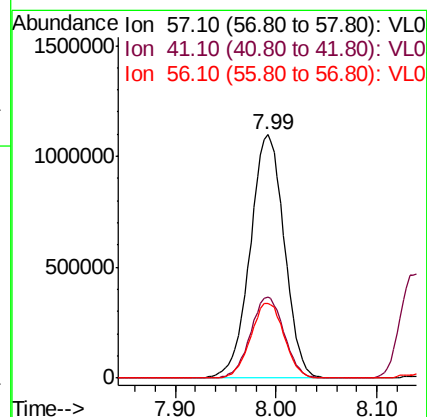
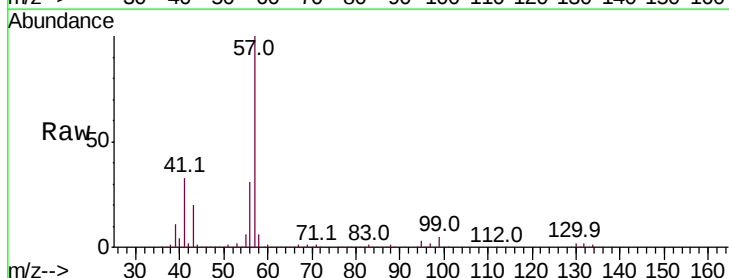
RT: 7.99 min Scan# 1572

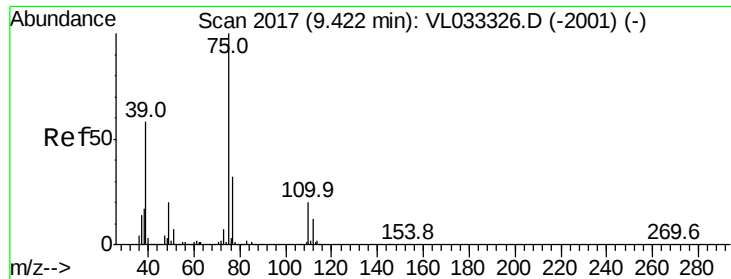
Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.8	26.0	39.0
56	30.4	24.6	36.8





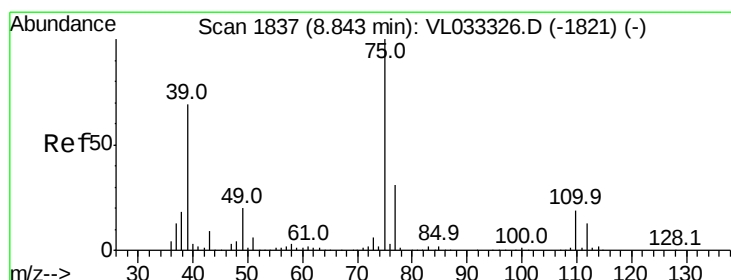
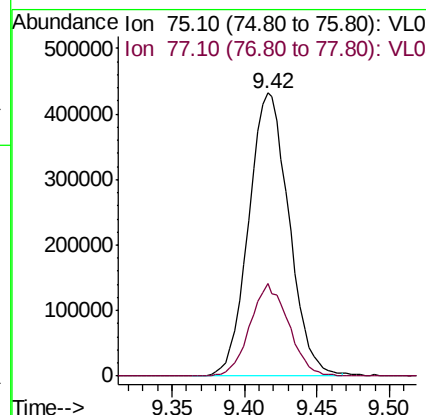
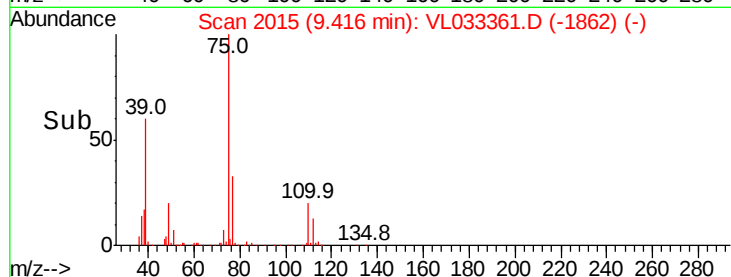
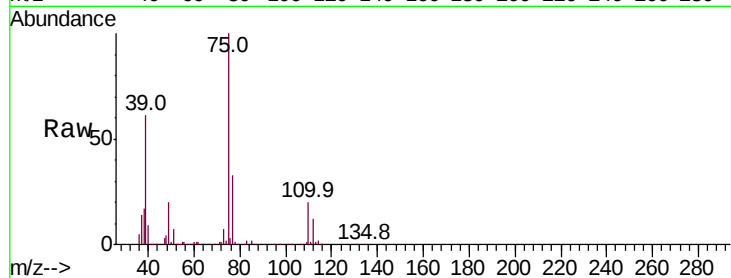
#45
t-1,3-Dichloropropene
Concen: 11.364 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tot Ion: 75 Resp: 836418
Ion Ratio Lower Upper
75 100
77 32.6 25.5 38.3

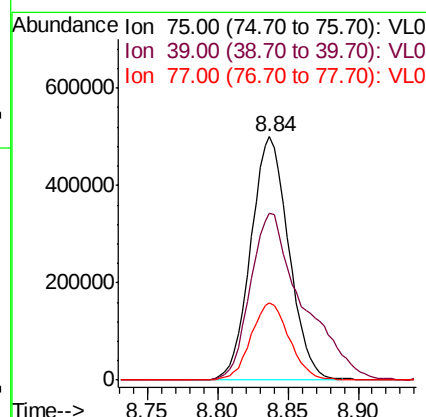
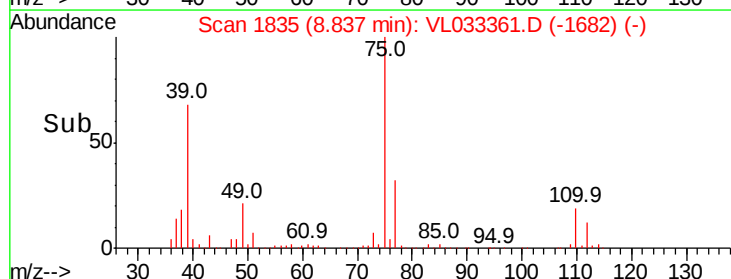
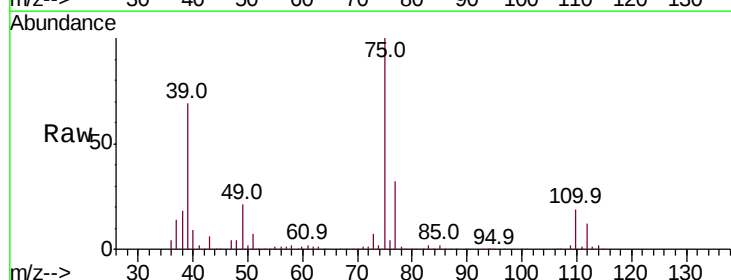
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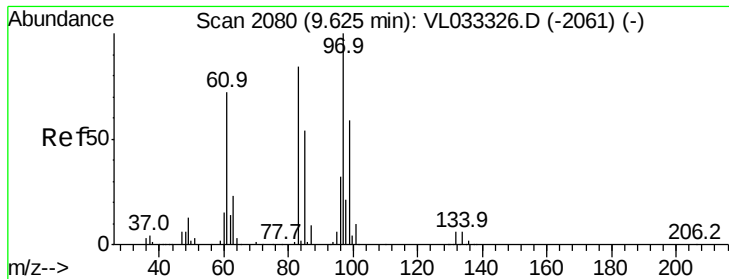
MMDadoda
3/21/2019 12:14:23 PM



#46
cis-1,3-Dichloropropene
Concen: 10.890 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 75 Resp: 943806
Ion Ratio Lower Upper
75 100
39 68.4 55.0 82.6
77 31.7 24.5 36.7





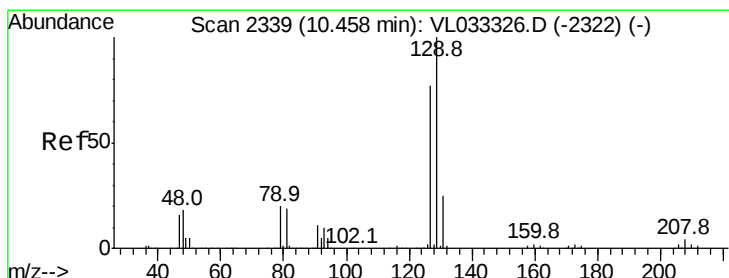
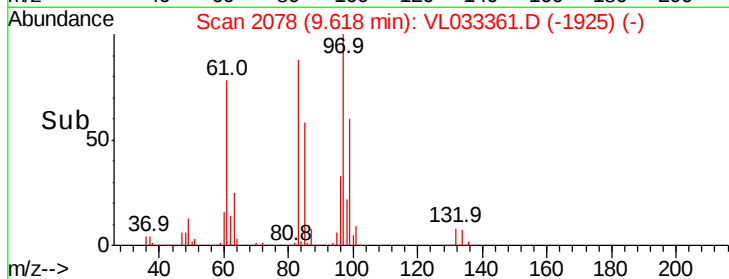
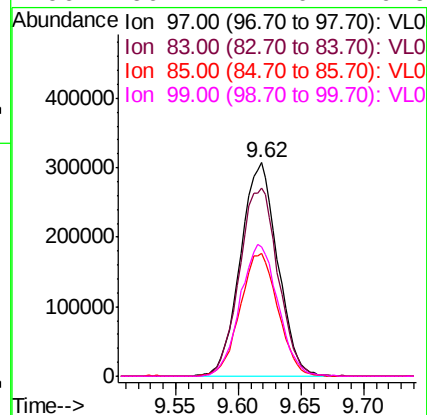
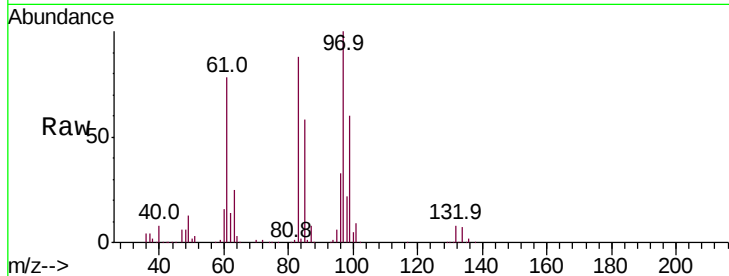
#47
 1,1,2-Trichloroethane
 Concen: 10.010 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. -0.01 min
 Lab File: VL033361.D
 Acq: 18 Mar 2019 16:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0318ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.1	67.4	101.0
85	57.6	43.0	64.4
99	60.4	47.0	70.6

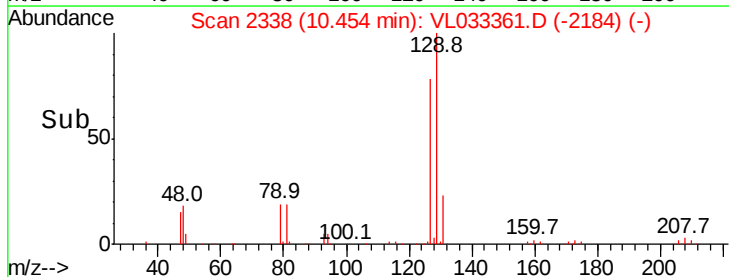
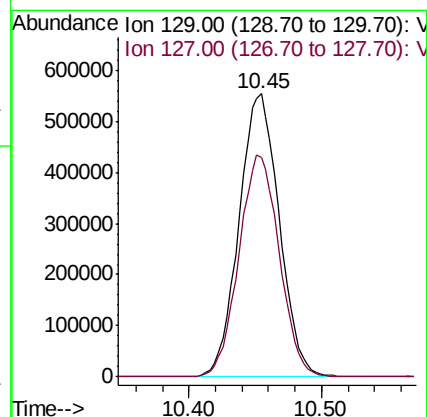
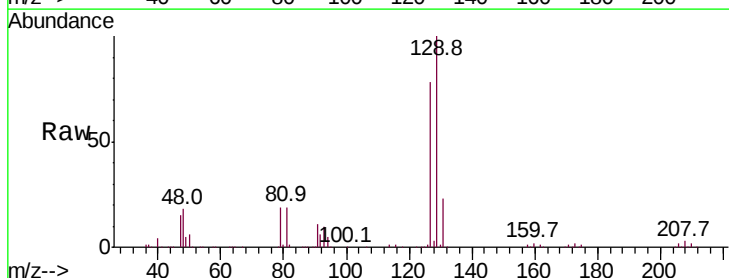
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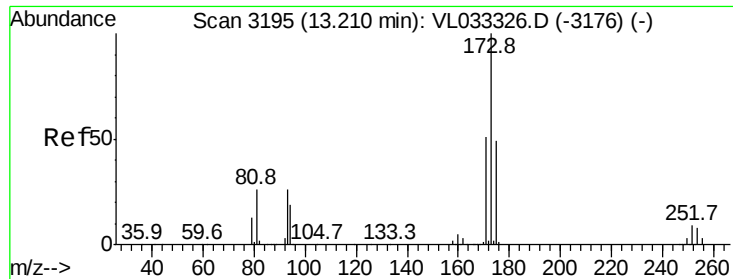
MMDadoda
 3/21/2019 12:14:23 PM



#48
 Dibromochloromethane
 Concen: 10.977 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL033361.D
 Acq: 18 Mar 2019 16:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.9	116.6





#49

Bromoform

Concen: 11.548 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion:173 Resp: 1163859

Ion Ratio Lower Upper

173 100

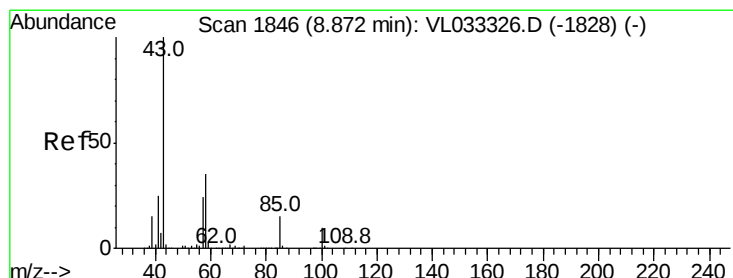
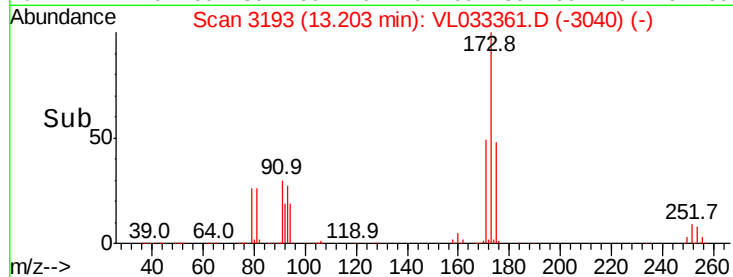
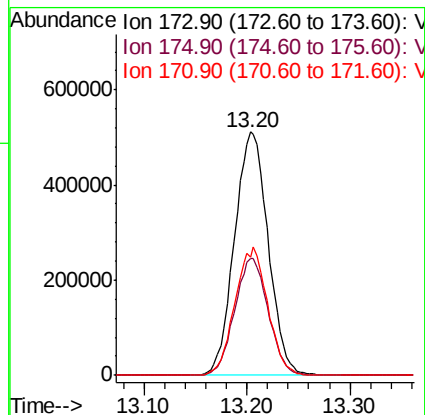
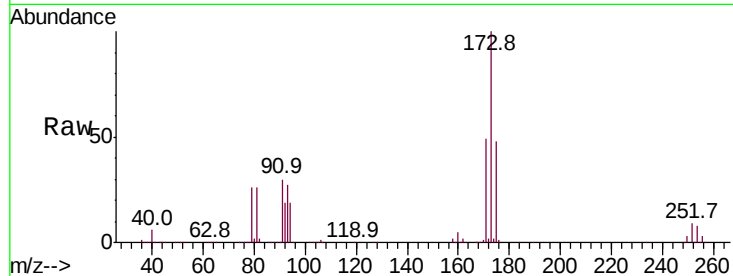
175 48.0 39.0 58.6

171 51.3 41.7 62.5

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3/21/2019 12:14:23 PM



#50

4-Methyl-2-Pentanone

Concen: 10.022 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL033361.D

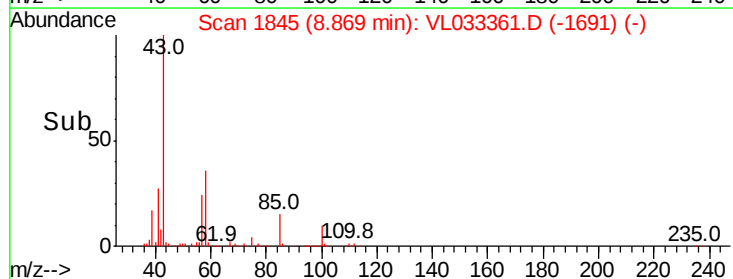
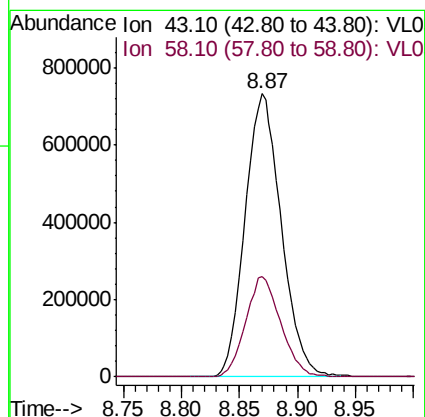
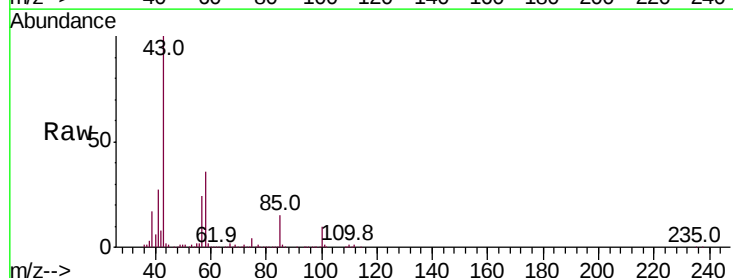
Acq: 18 Mar 2019 16:49

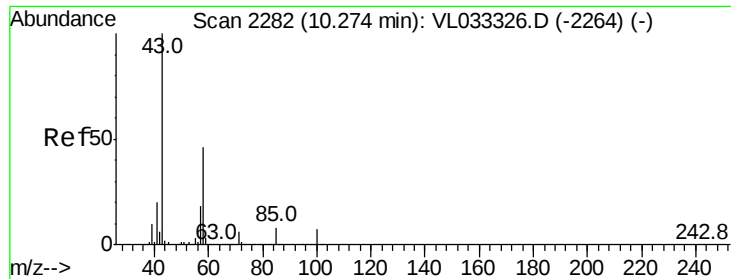
Tgt Ion: 43 Resp: 1590576

Ion Ratio Lower Upper

43 100

58 34.6 28.4 42.6





#51

2-Hexanone

Concen: 10.275 ppbv

RT: 10.27 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion: 43 Resp: 1258152

Ion Ratio Lower Upper

43 100

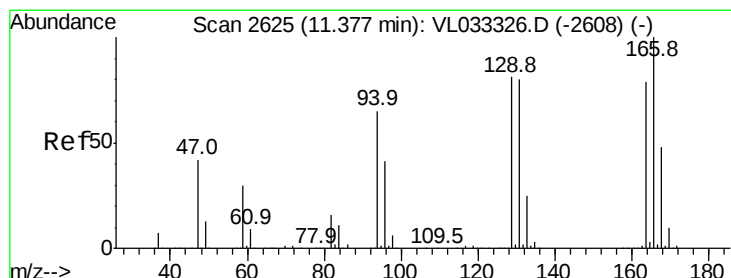
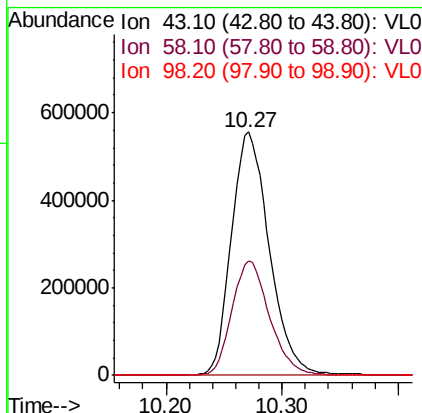
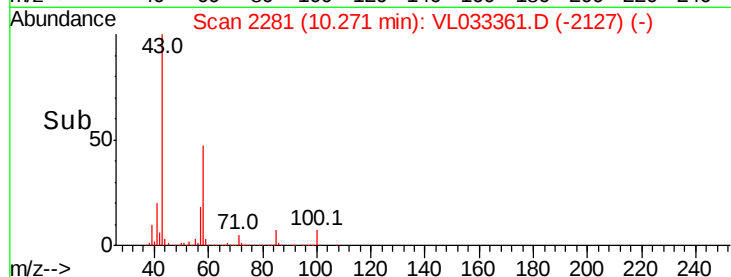
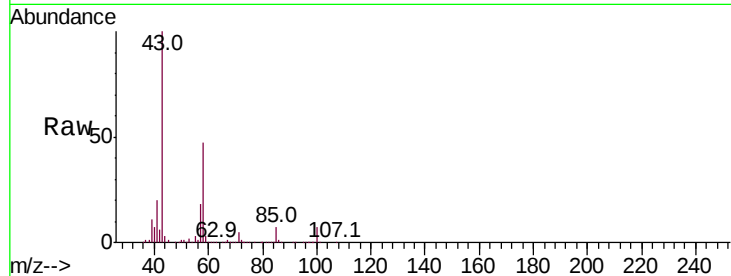
58 46.6 38.0 57.0

98 0.2 0.1 0.1#

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3/21/2019 12:14:23 PM



#52

Tetrachloroethene

Concen: 9.029 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Tgt Ion: 164 Resp: 575955

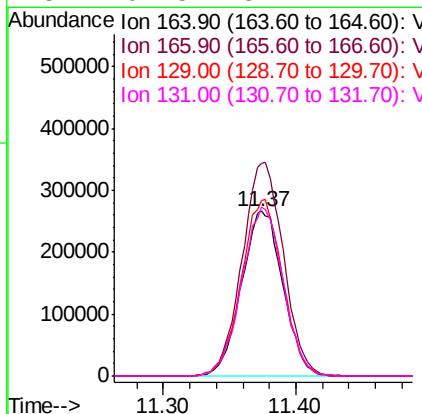
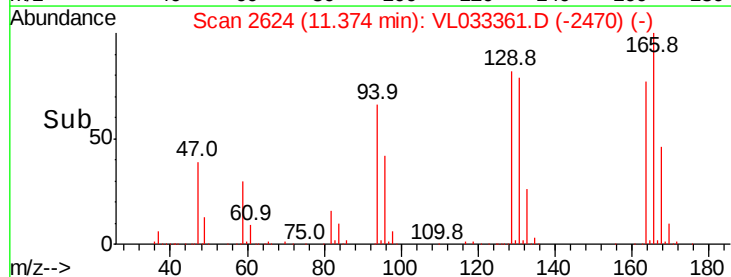
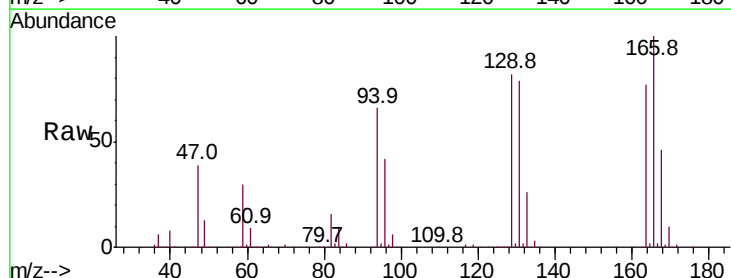
Ion Ratio Lower Upper

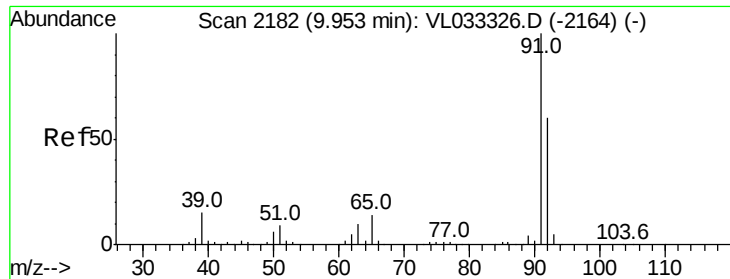
164 100

166 129.0 101.5 152.3

129 106.2 82.2 123.2

131 102.5 81.1 121.7





#53

Toluene

Concen: 10.379 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion: 91 Resp: 1805763

Ion Ratio Lower Upper

91 100

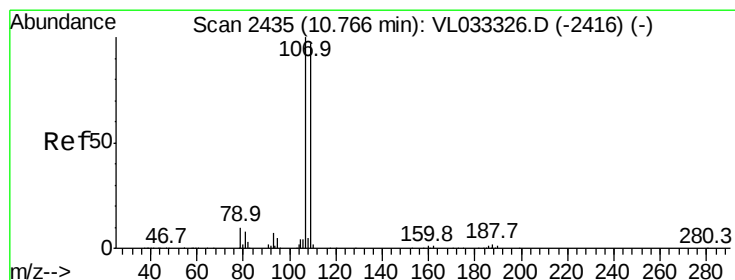
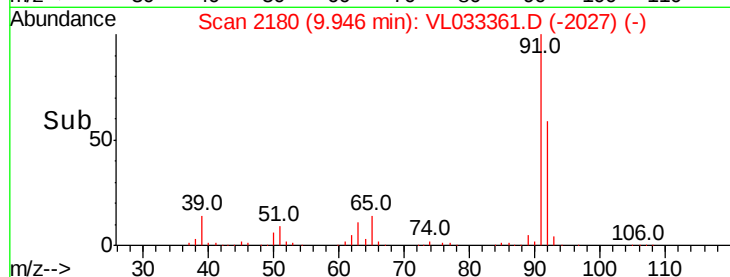
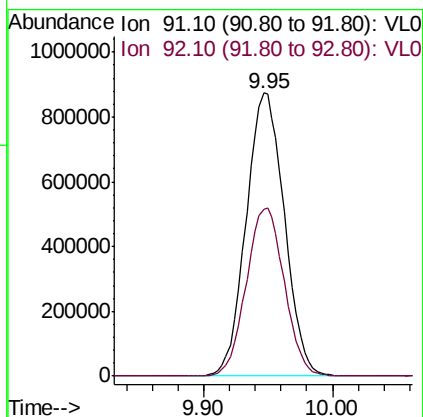
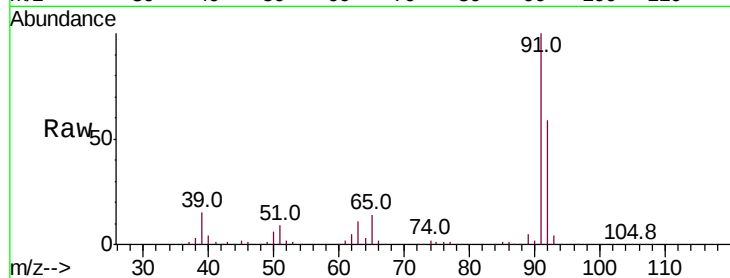
92 59.2 47.4 71.0

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3/21/2019 12:14:23 PM



#54

1,2-Dibromoethane

Concen: 9.590 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033361.D

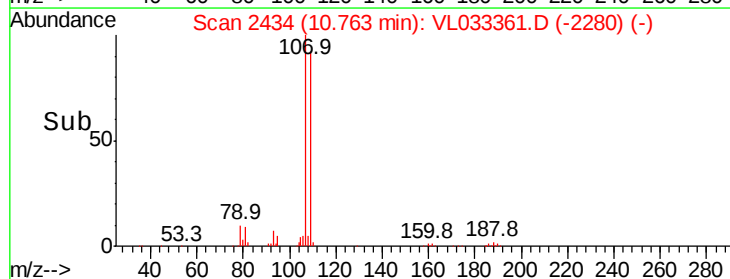
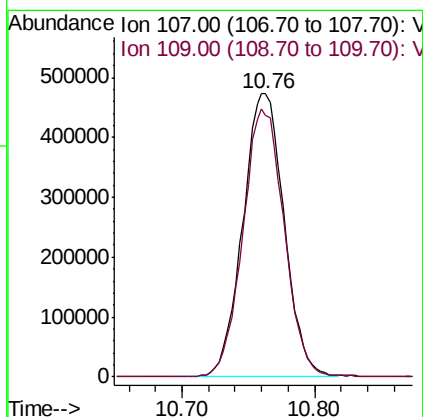
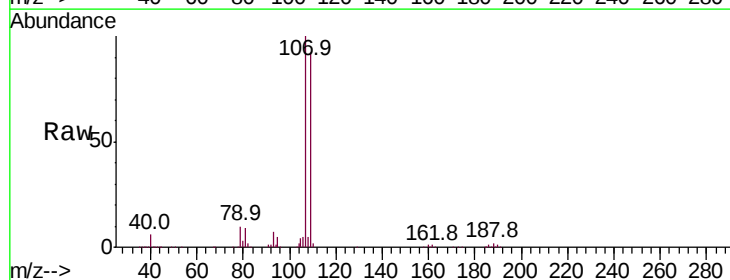
Acq: 18 Mar 2019 16:49

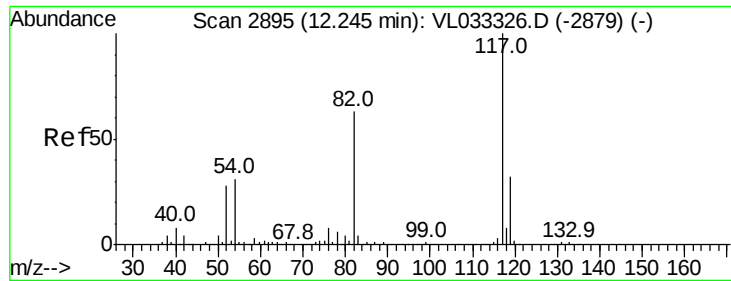
Tgt Ion:107 Resp: 1027062

Ion Ratio Lower Upper

107 100

109 92.4 77.2 115.8





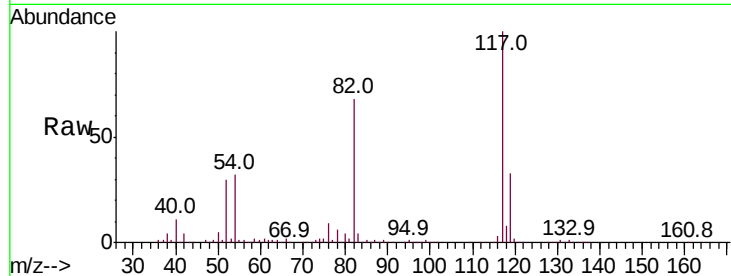
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

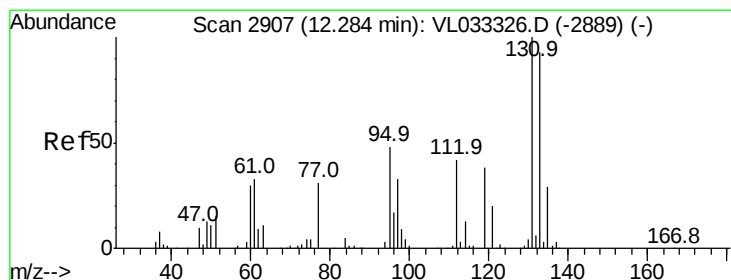
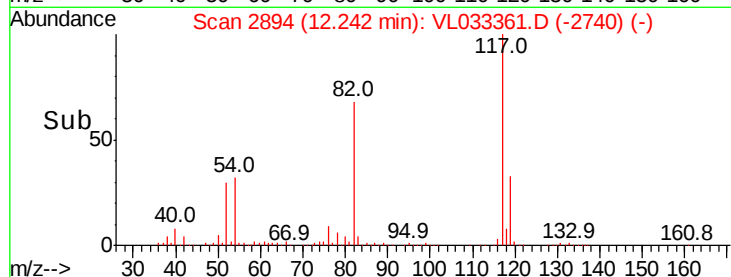
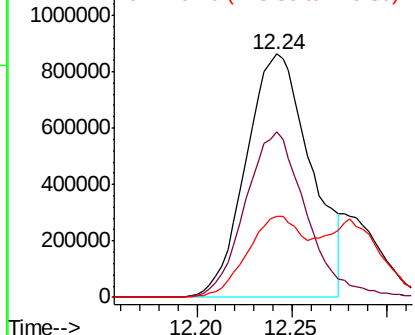
Tot Ion:117 Resp: 2037639
Ion Ratio Lower Upper
117 100
82 65.0 53.4 80.2
119 31.9 27.3 40.9

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3/21/2019 12:14:23 PM

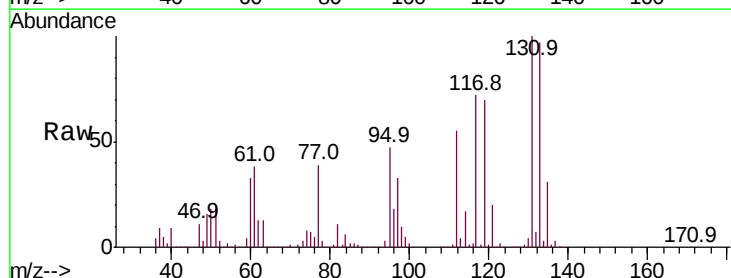


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

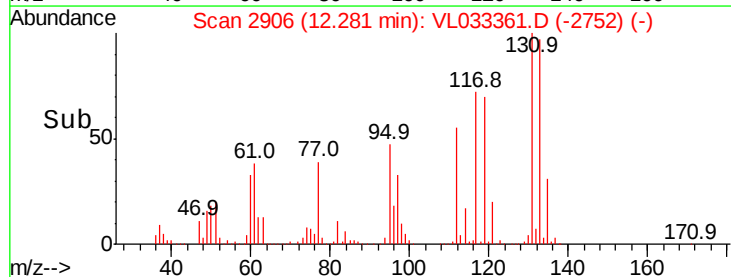
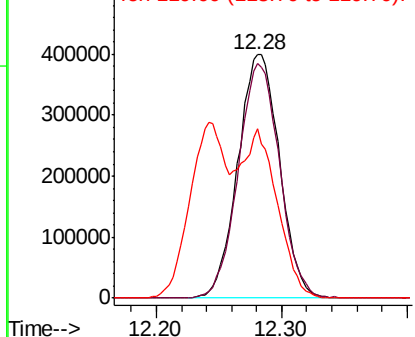


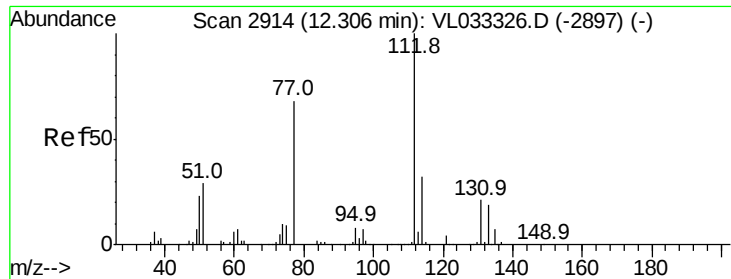
#56
1,1,1,2-Tetrachloroethane
Concen: 10.095 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:131 Resp: 920135
Ion Ratio Lower Upper
131 100
133 96.0 76.7 115.1
119 57.0 40.3 60.5



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.545 ppbv

RT: 12.30 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion:112 Resp: 1540426

Ion Ratio Lower Upper

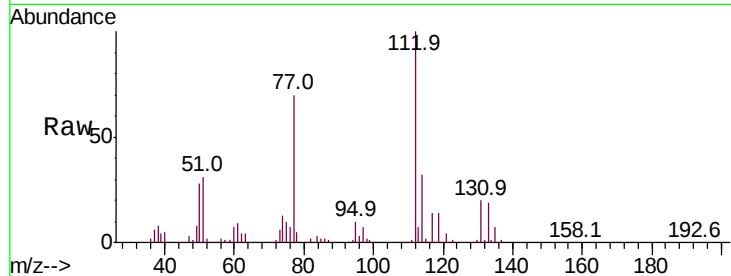
112 100

77 69.8 55.8 83.6

114 31.8 28.6 35.0

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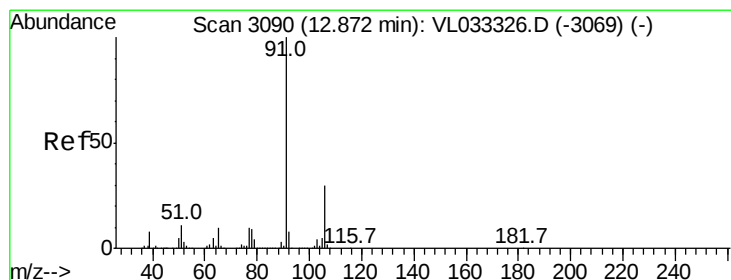
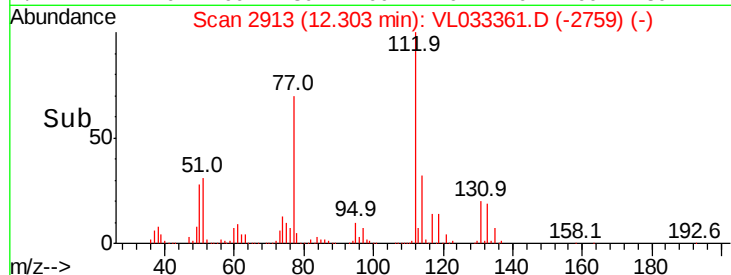
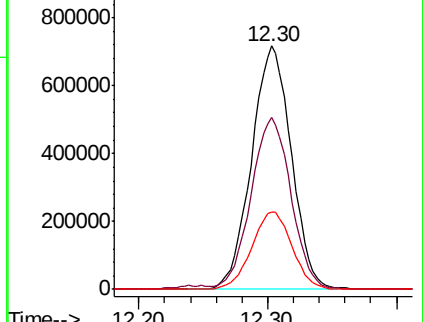
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.020 ppbv

RT: 12.87 min Scan# 3088

Delta R.T. -0.01 min

Lab File: VL033361.D

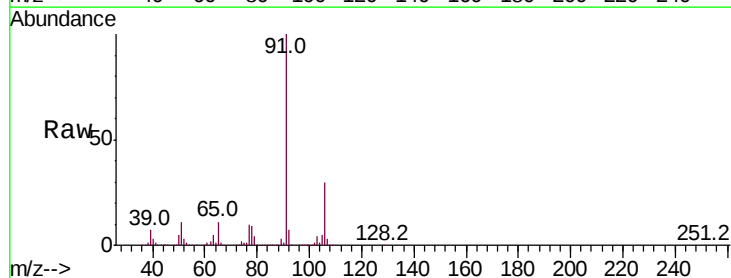
Acq: 18 Mar 2019 16:49

Tgt Ion: 91 Resp: 2888219

Ion Ratio Lower Upper

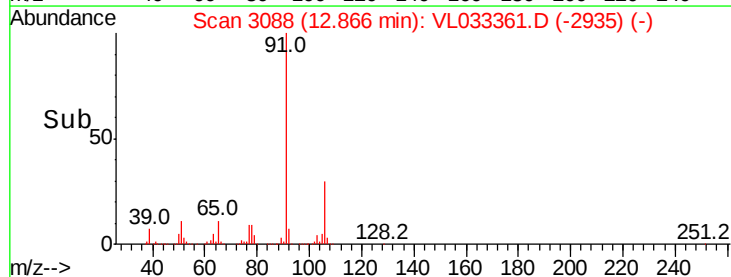
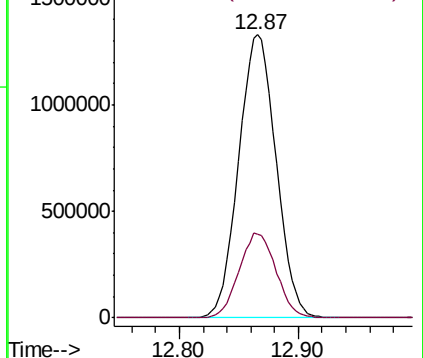
91 100

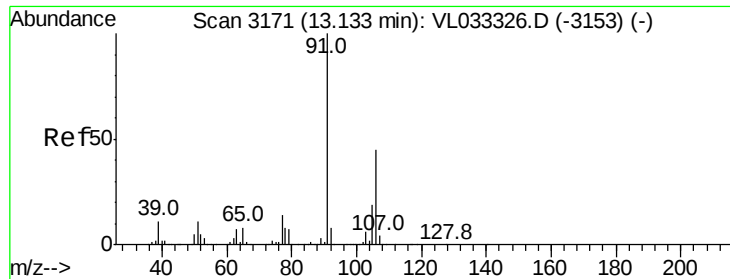
106 29.6 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





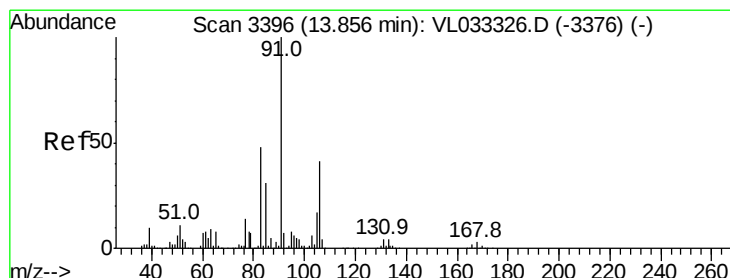
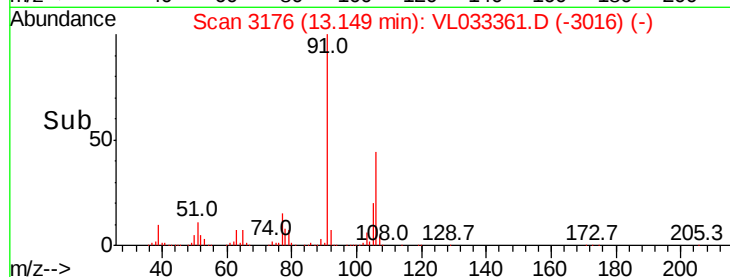
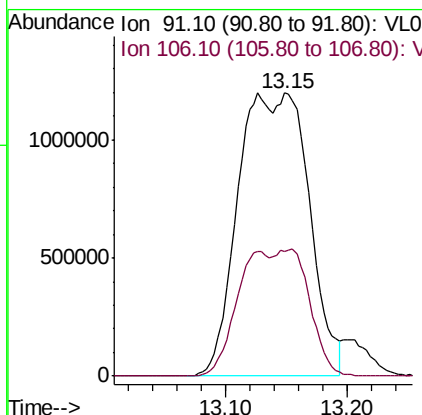
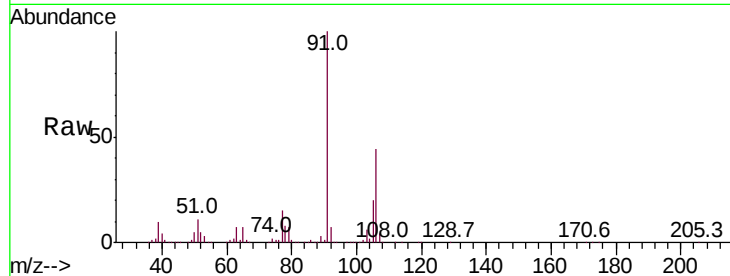
#59
m/p-Xylene
Concen: 19.487 ppbv m
RT: 13.15 min Scan# 3176
Delta R.T. 0.02 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampled :
VL0318ABS01

Tot Ion: 91 Resp: 4827201
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

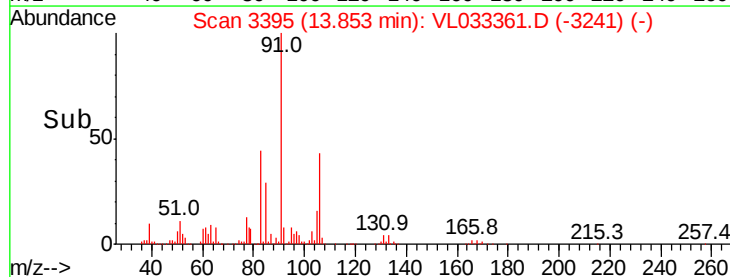
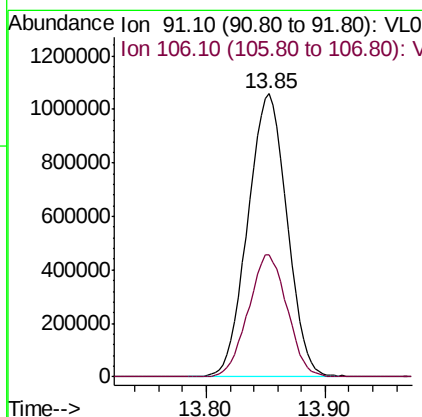
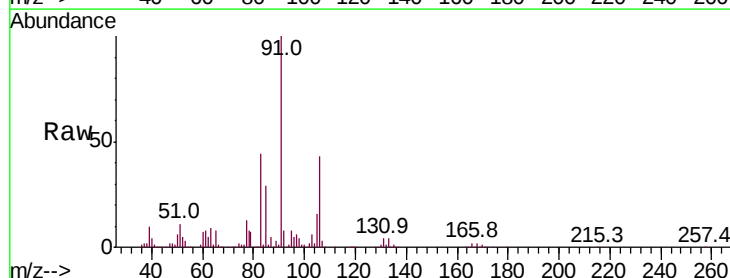
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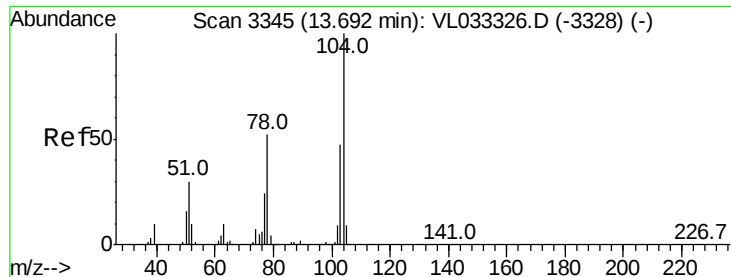
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#60
o-Xylene
Concen: 9.985 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 91 Resp: 2413003
Ion Ratio Lower Upper
91 100
106 42.7 21.3 63.9





#61

Stvrene

Concen: 10.366 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampled :

VL0318ABS01

Tot Ion:104 Resp: 1754056

Ion Ratio Lower Upper

104 100

78 53.9 42.7 64.1

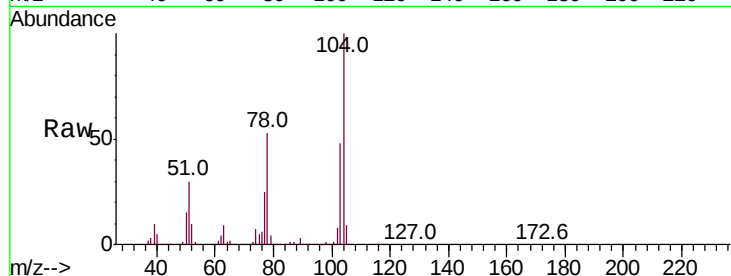
103 46.9 38.0 57.0

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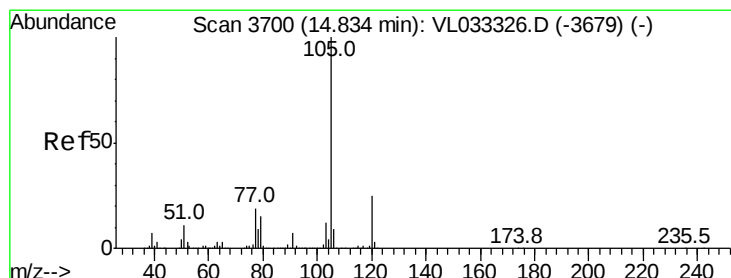
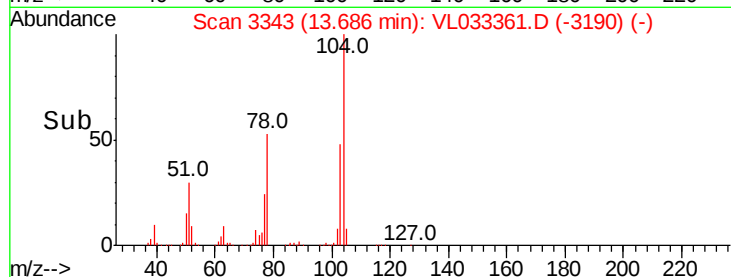
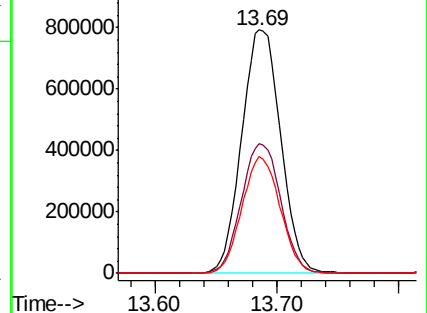
3/21/2019 12:14:23 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.998 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. -0.00 min

Lab File: VL033361.D

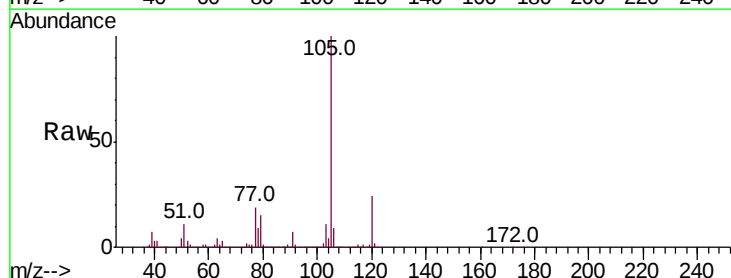
Acq: 18 Mar 2019 16:49

Tgt Ion:105 Resp: 3359173

Ion Ratio Lower Upper

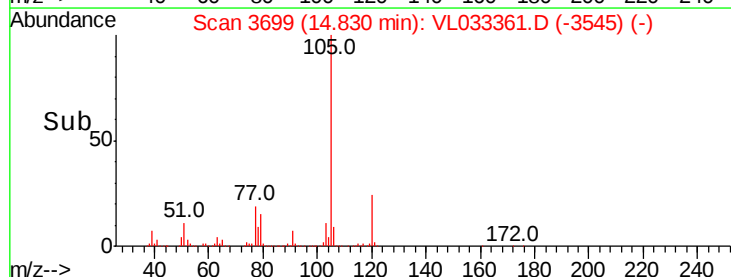
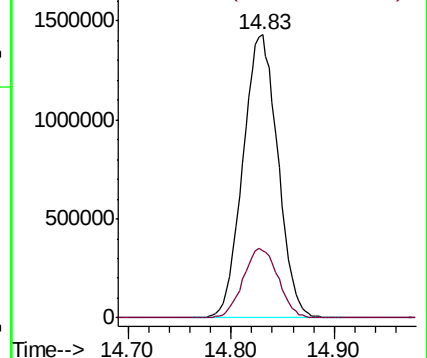
105 100

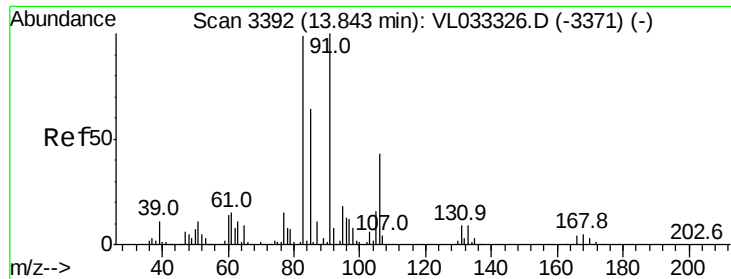
120 24.8 19.9 29.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.558 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion: 83 Resp: 1669846

Ion Ratio Lower Upper

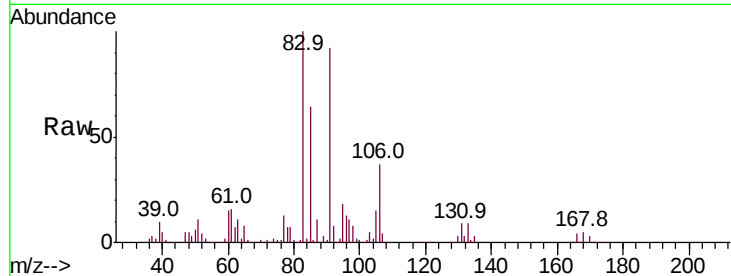
83 100

131 9.2 4.7 14.0

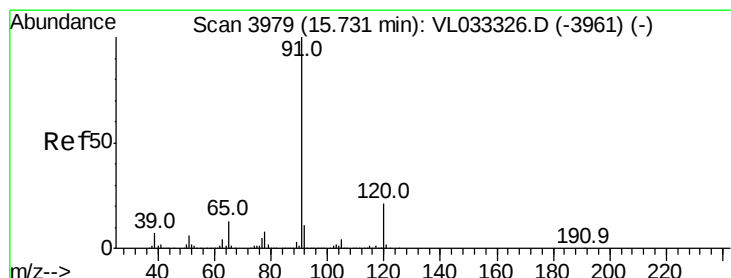
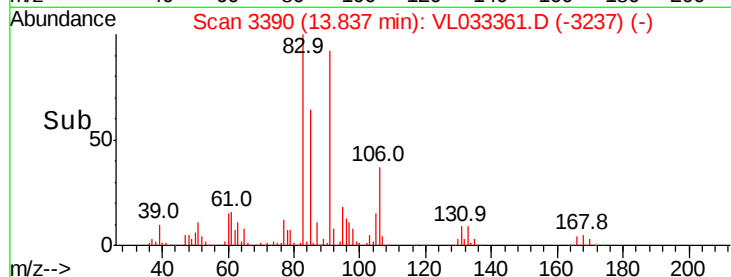
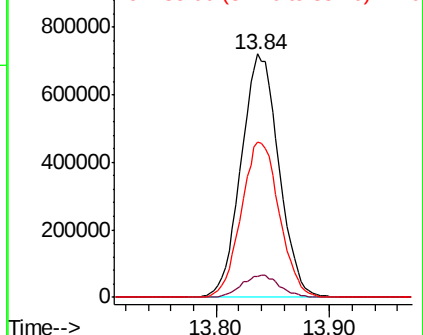
85 64.5 32.5 97.4

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.094 ppbv

RT: 15.72 min Scan# 3977

Delta R.T. -0.01 min

Lab File: VL033361.D

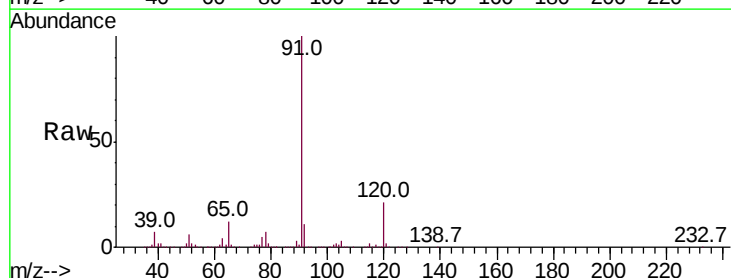
Acq: 18 Mar 2019 16:49

Tgt Ion:120 Resp: 858197

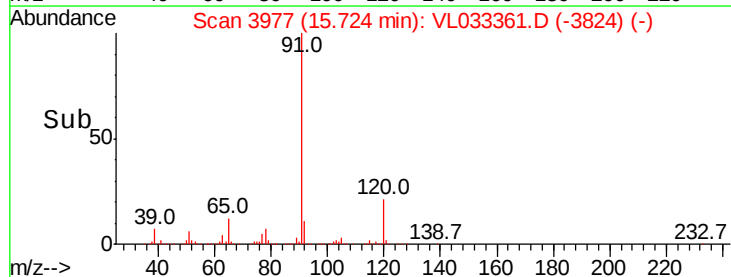
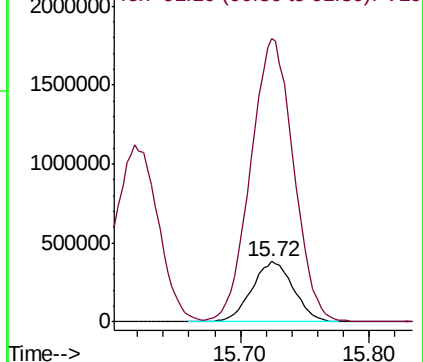
Ion Ratio Lower Upper

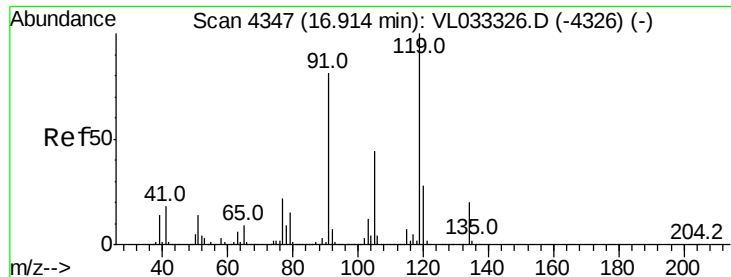
120 100

91 484.4 389.8 584.6



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.952 ppbv

RT: 16.91 min Scan# 4346

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion:119 Resp: 3010310

Ion Ratio Lower Upper

119 100

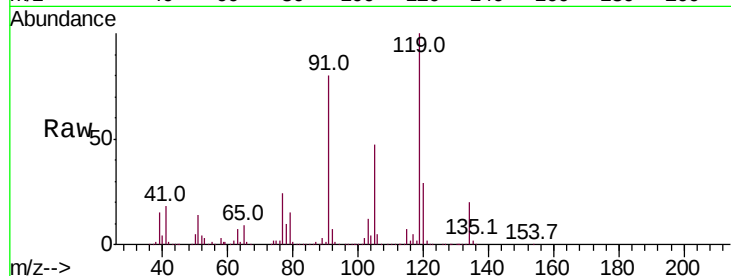
91 84.2 67.2 100.8

134 19.1 15.4 23.2

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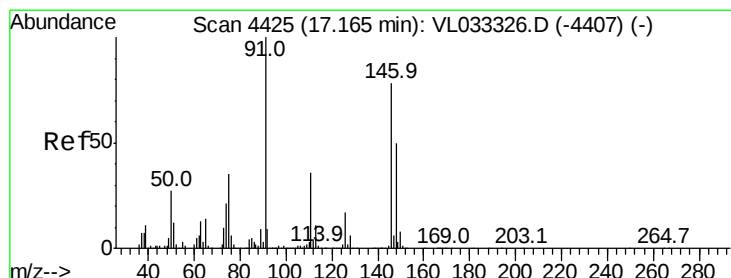
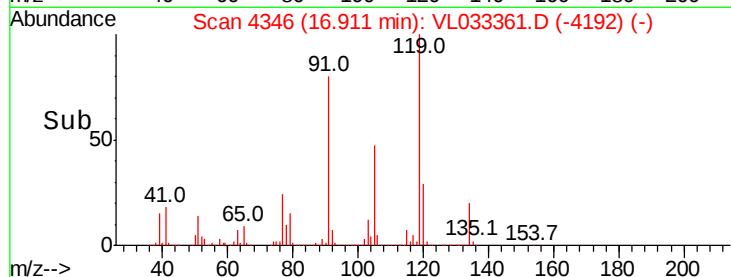
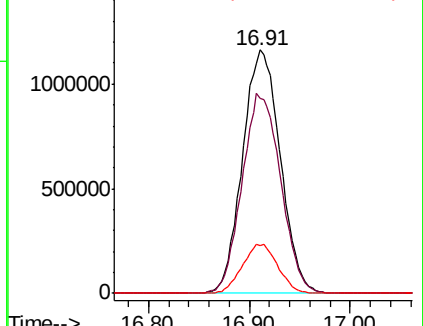
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.243 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

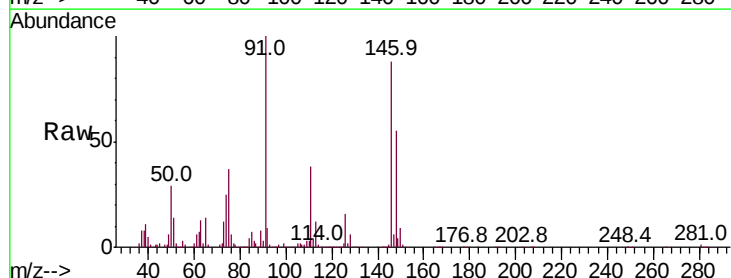
Tgt Ion: 91 Resp: 1530405

Ion Ratio Lower Upper

91 100

126 15.9 13.2 19.8

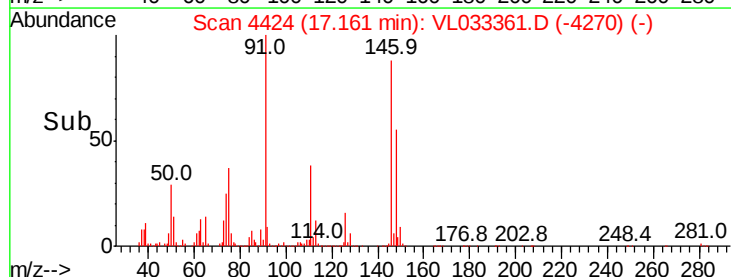
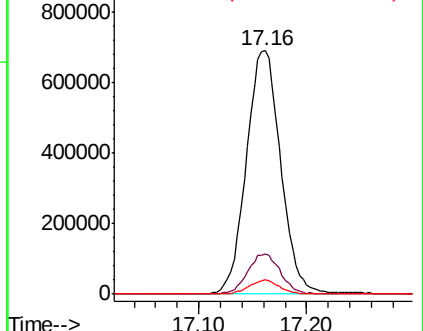
128 5.2 4.2 6.4

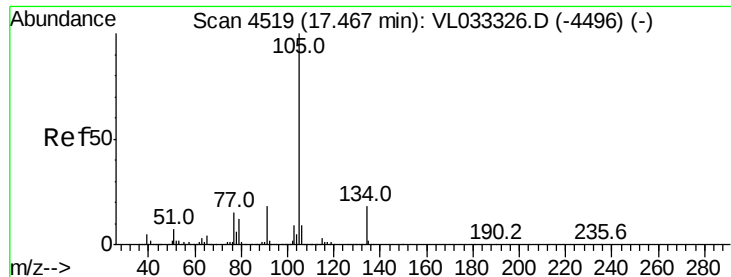


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.075 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion: 105 Resp: 4318445

Ion Ratio Lower Upper

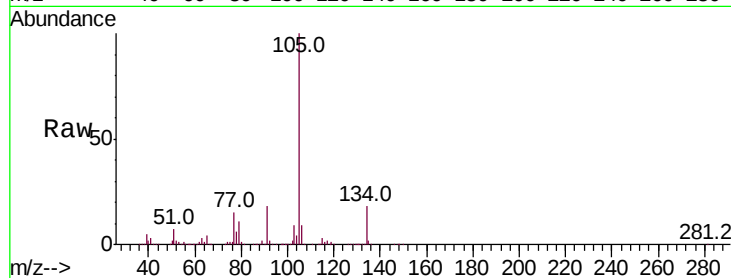
105 100

134 17.7 14.2 21.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

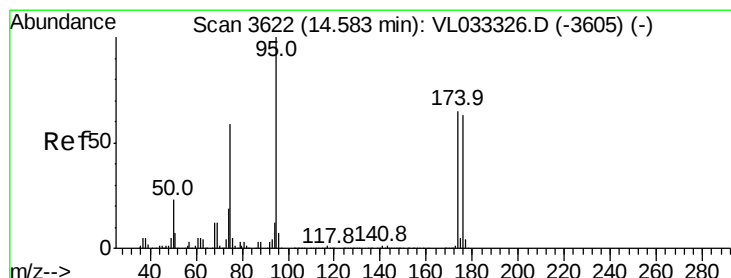
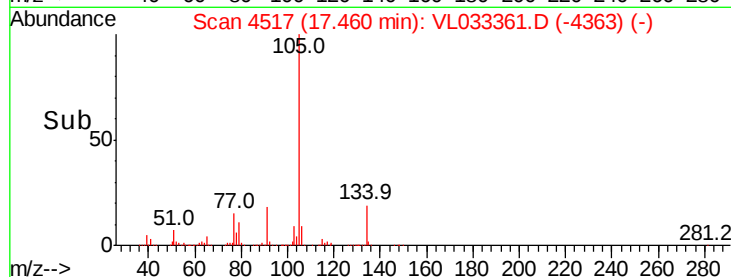
1000000

500000

0

17.40 17.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.941 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

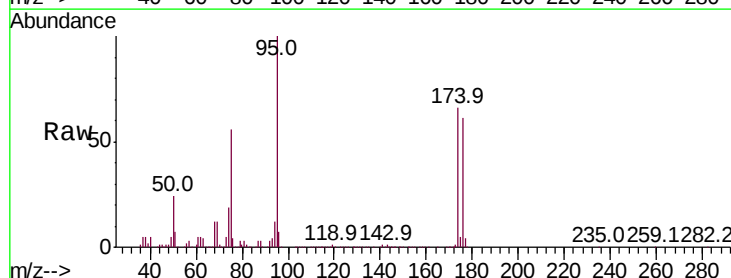
Tgt Ion: 95 Resp: 1500913

Ion Ratio Lower Upper

95 100

174 65.1 51.5 77.3

175 4.8 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

800000

600000

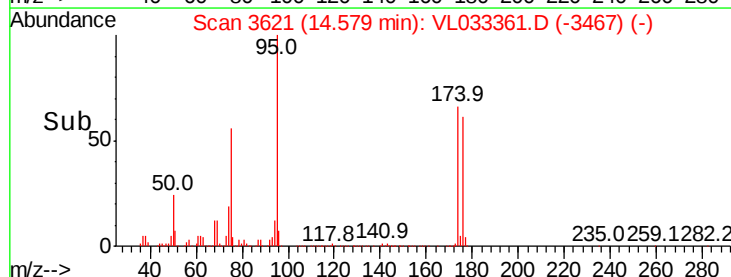
400000

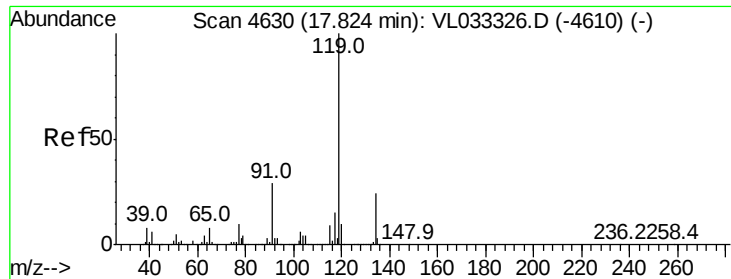
200000

0

14.50 14.60

Time-->





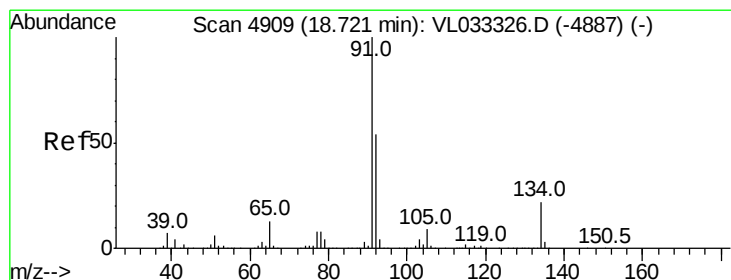
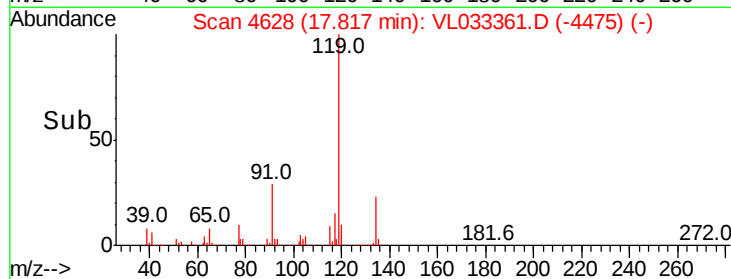
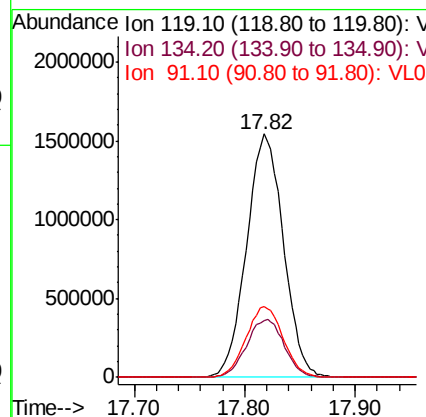
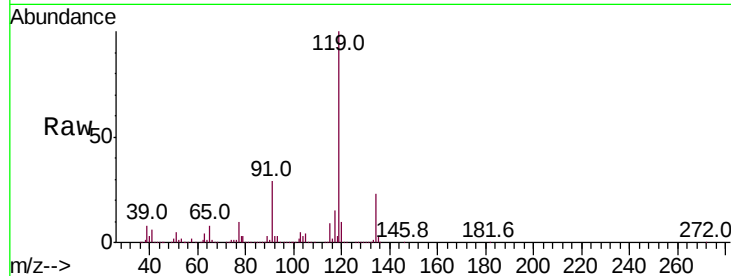
#69
p-Isopropyltoluene
Concen: 10.215 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.4	19.8	29.6
91	29.3	23.4	35.2

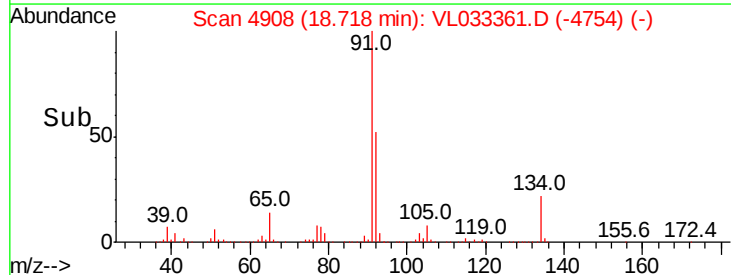
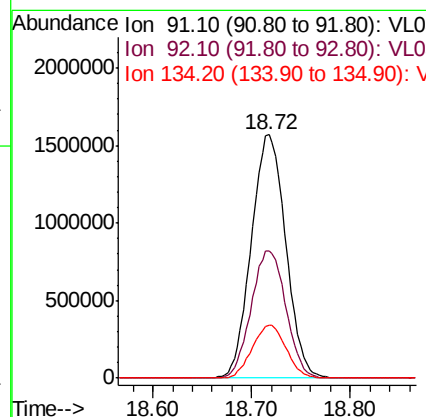
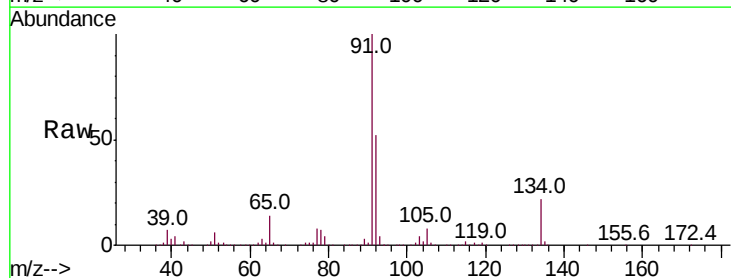
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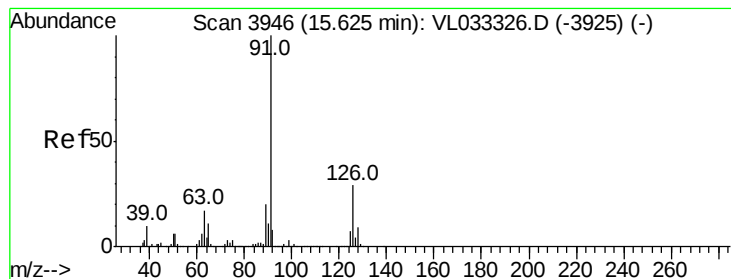
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3/21/2019 12:14:23 PM



#70
n-Butylbenzene
Concen: 10.109 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.8	64.2
134	21.5	17.4	26.0





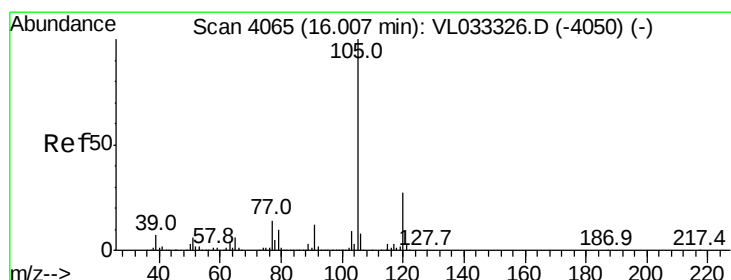
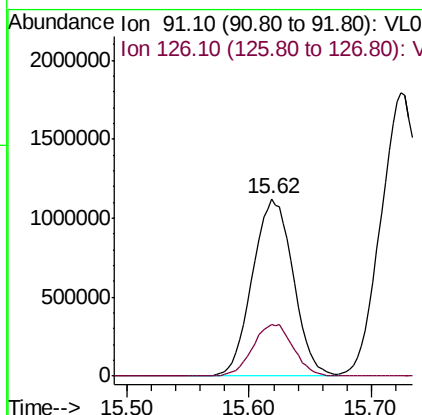
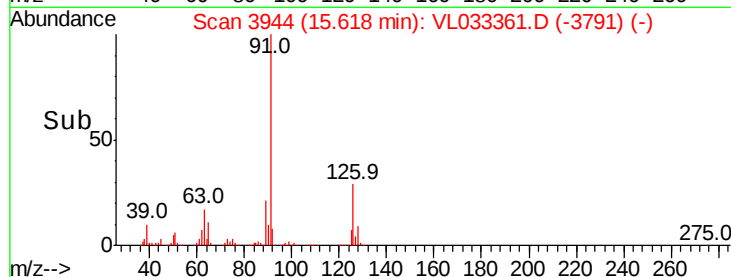
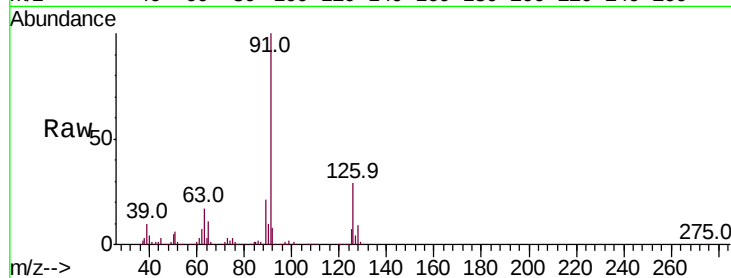
#71
2-Chlorotoluene
Concen: 9.930 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tot Ion: 91 Resp: 2597023
Ion Ratio Lower Upper
91 100
126 29.1 11.6 46.6

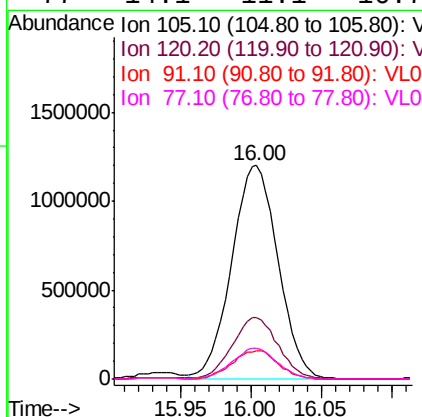
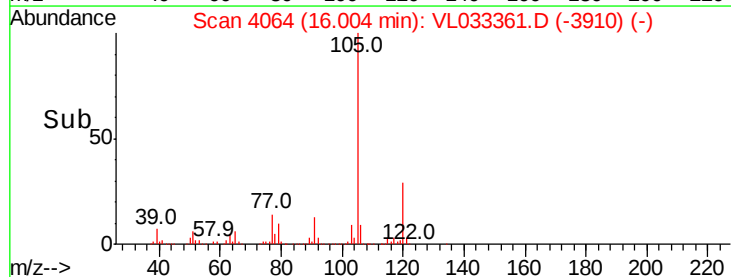
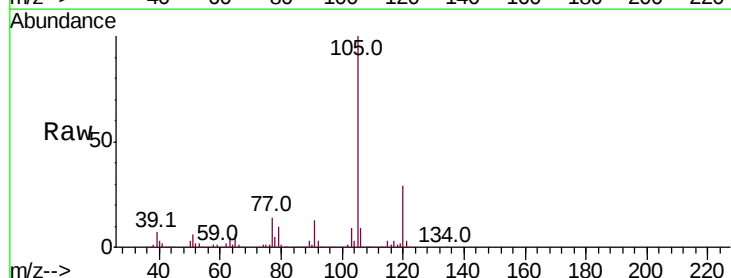
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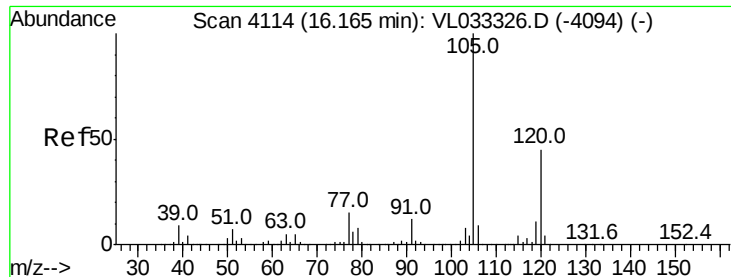
MMDadoda
3/21/2019 12:14:23 PM



#72
4-Ethyltoluene
Concen: 10.023 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:105 Resp: 2750625
Ion Ratio Lower Upper
105 100
120 28.6 22.9 34.3
91 13.2 10.2 15.2
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.031 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampled :

VL0318ABS01

Tot Ion:105 Resp: 2681979

Ion Ratio Lower Upper

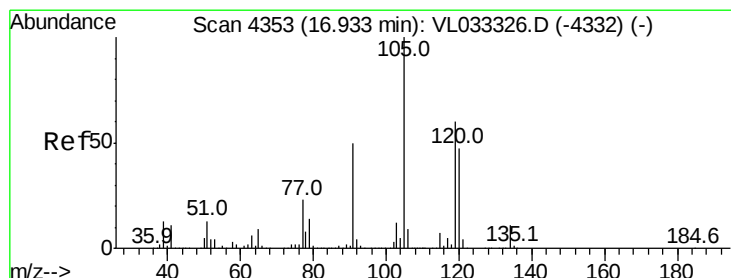
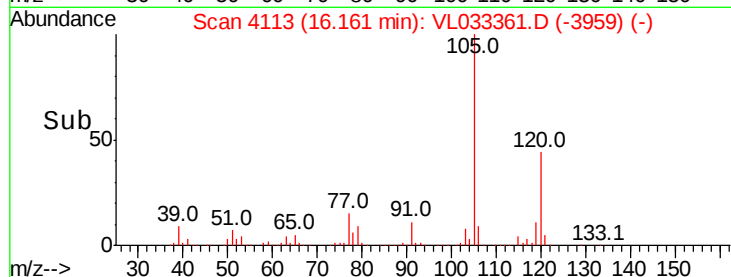
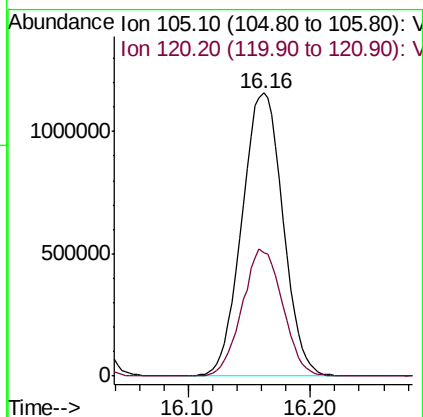
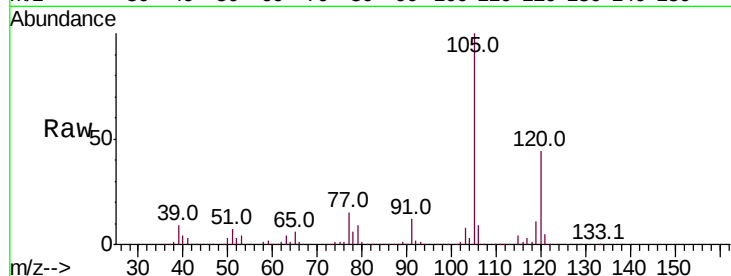
105 100

120 43.6 36.2 54.4

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3/21/2019 12:14:23 PM



#74

1,2,4-Trimethylbenzene

Concen: 9.740 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Tgt Ion:105 Resp: 2758022

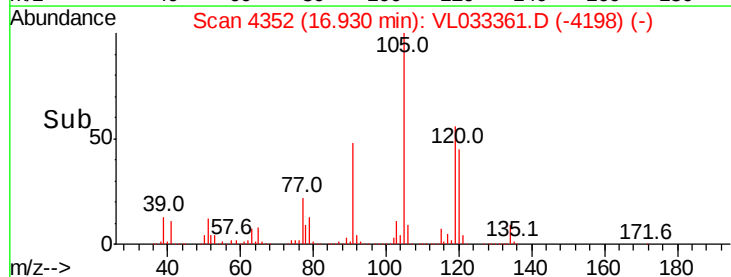
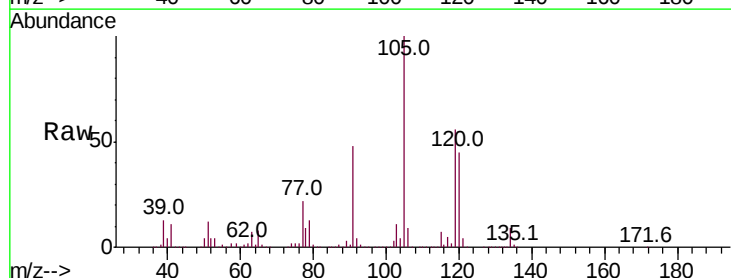
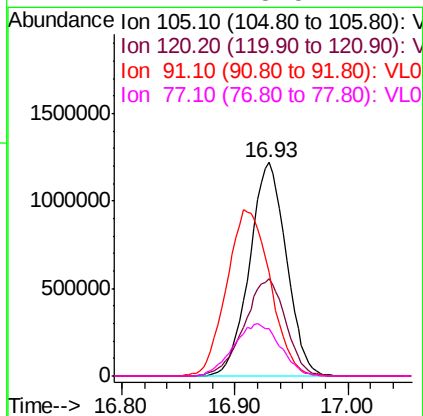
Ion Ratio Lower Upper

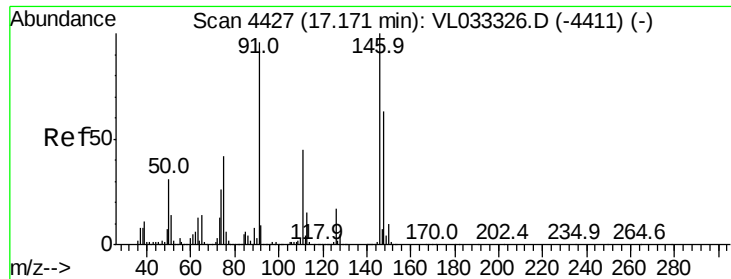
105 100

120 45.4 37.4 56.2

91 48.2 41.0 61.4

77 22.2 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 9.557 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion:146 Resp: 1595036

Ion Ratio Lower Upper

146 100

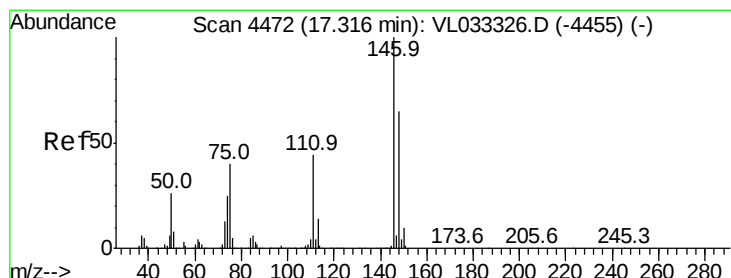
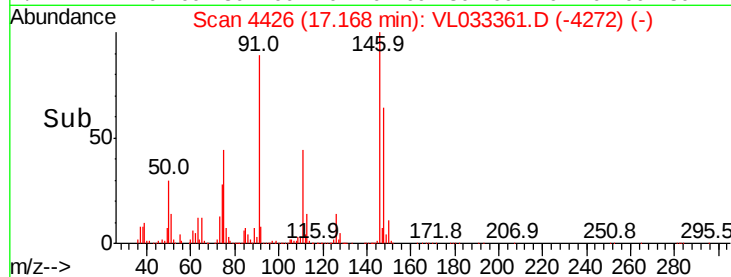
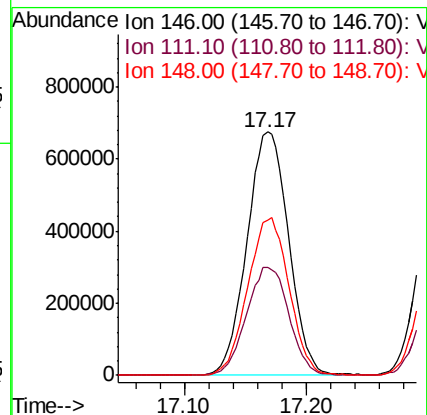
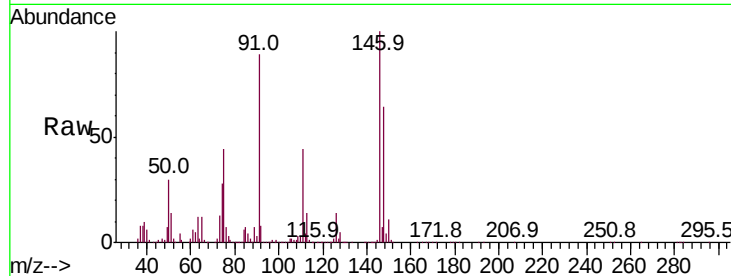
111 45.2 22.8 68.3

148 64.2 31.9 95.7

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3/21/2019 12:14:23 PM



#76

1,4-Dichlorobenzene

Concen: 9.901 ppbv

RT: 17.31 min Scan# 4471

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

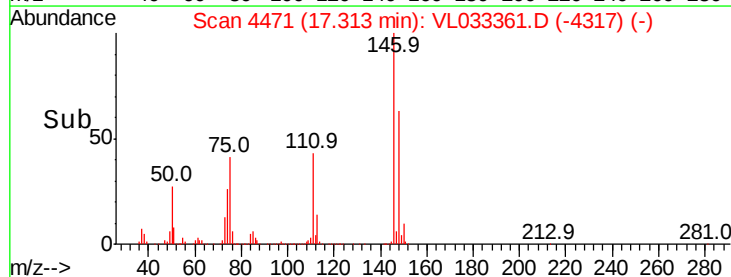
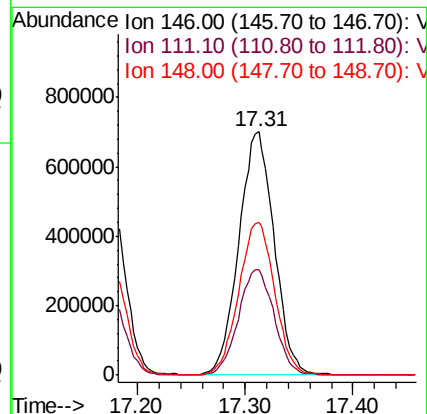
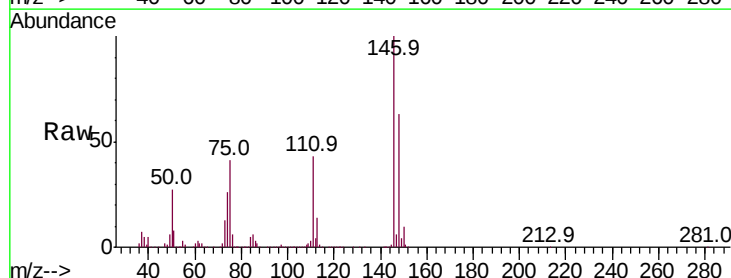
Tgt Ion:146 Resp: 1599853

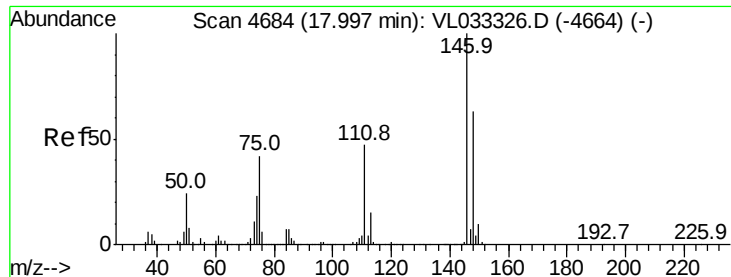
Ion Ratio Lower Upper

146 100

111 44.1 21.9 65.7

148 63.9 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 9.889 ppbv

RT: 17.99 min Scan# 4683

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion:146 Resp: 1562993

Ion Ratio Lower Upper

146 100

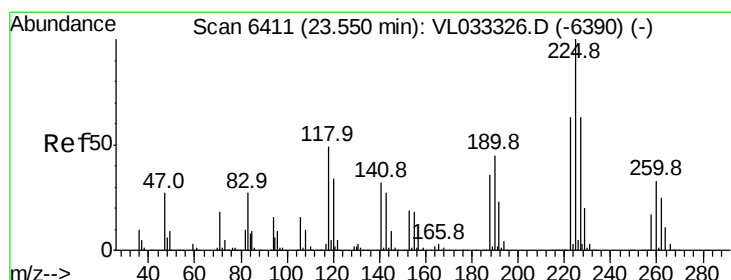
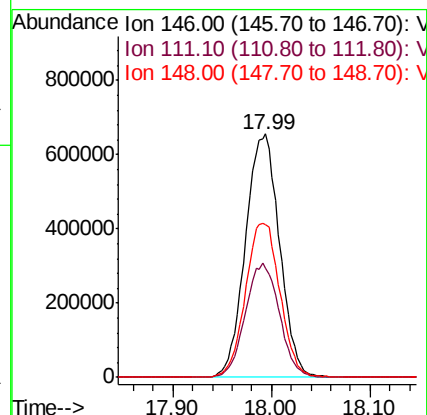
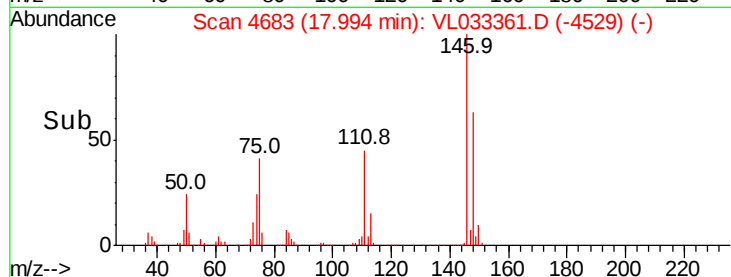
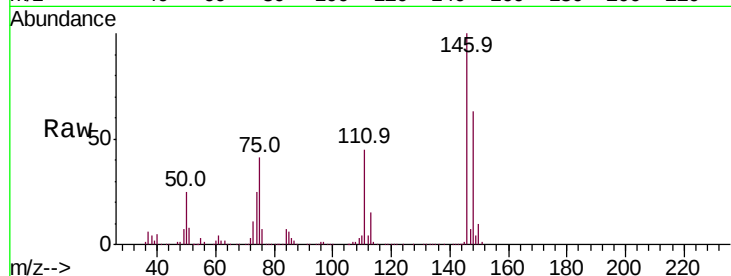
111 47.0 23.5 70.6

148 64.3 31.9 95.9

Manual Integrations
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3/21/2019 12:14:23 PM



#78

Hexachloro-1,3-Butadiene

Concen: 8.517 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

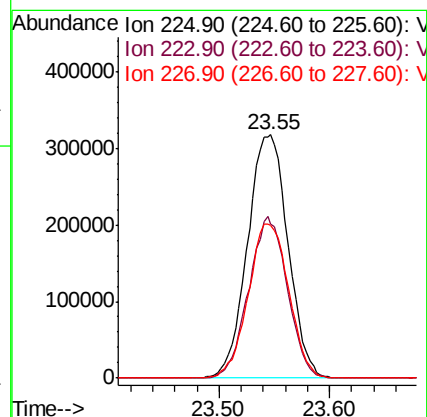
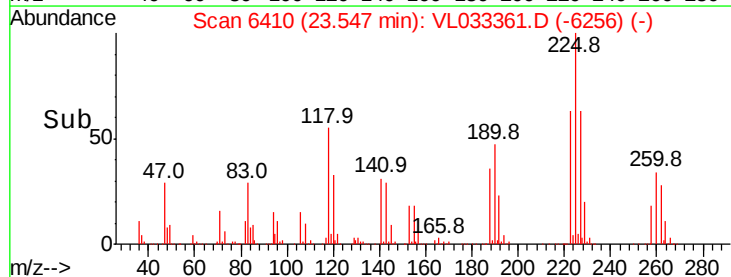
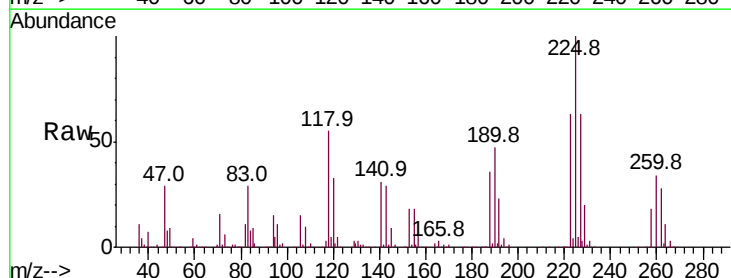
Tgt Ion:225 Resp: 807136

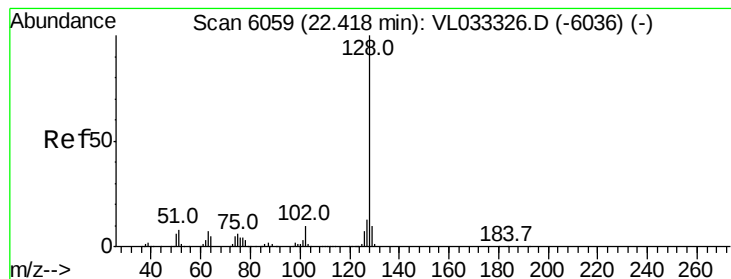
Ion Ratio Lower Upper

225 100

223 63.4 50.4 75.6

227 63.5 50.5 75.7





#79

Naphthalene

Concen: 9.379 ppbv

RT: 22.41 min Scan# 6057

Delta R.T. -0.01 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VL0318ABS01

Tot Ion:128 Resp: 2559094

Ion Ratio Lower Upper

128 100

127 13.6 10.1 15.1

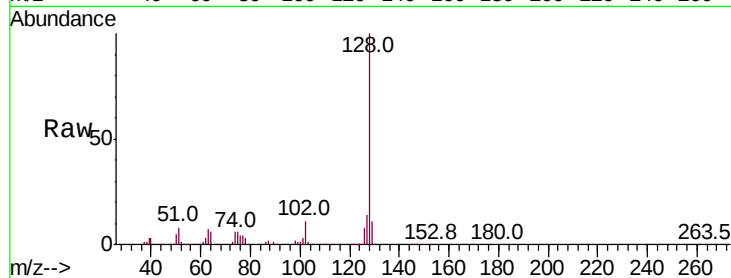
129 11.1 8.2 12.2

Manual Integrations

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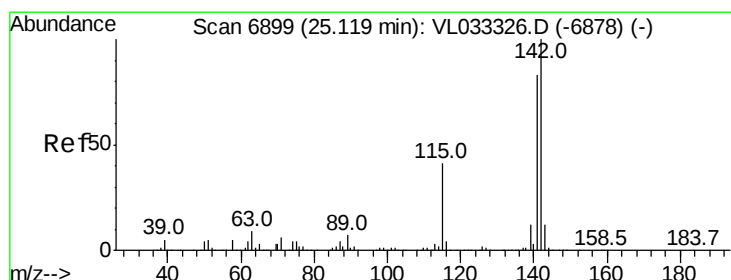
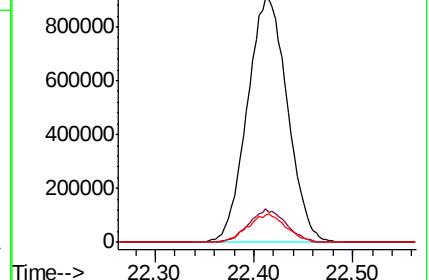
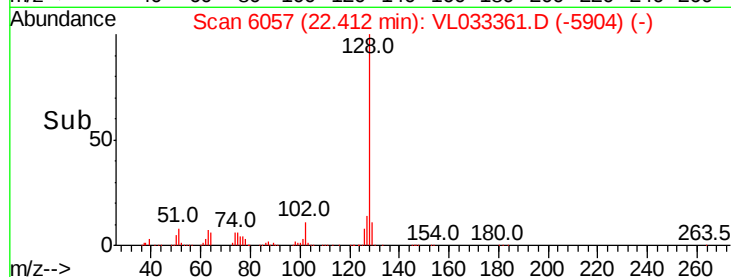
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 7.896 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. -0.00 min

Lab File: VL033361.D

Acq: 18 Mar 2019 16:49

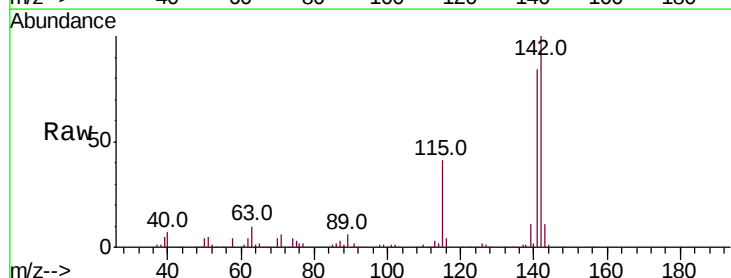
Tgt Ion:142 Resp: 1021677

Ion Ratio Lower Upper

142 100

141 84.5 67.1 100.7

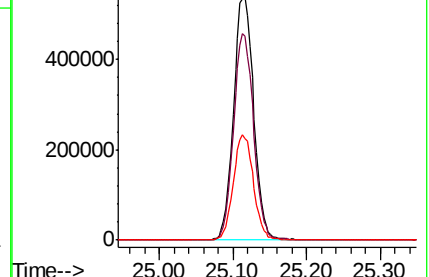
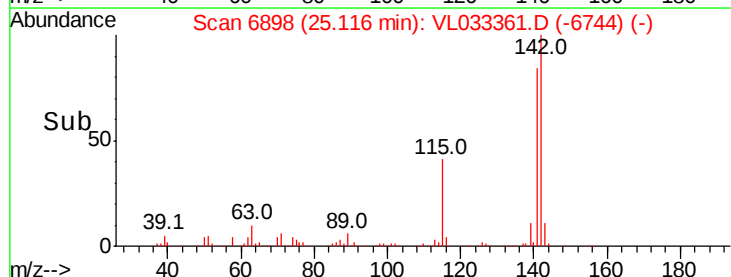
115 43.4 33.8 50.6

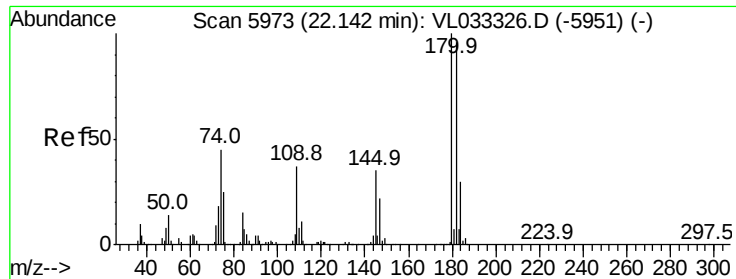


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.430 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL033361.D
 Acq: 18 Mar 2019 16:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0318ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
184	30.9	24.6	37.0

Manual Integrations
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