

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033930.D
 Acq On : 24 Jun 2019 9:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:15:29 AM

Quant Time: Jun 25 03:44:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1183394	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2592258	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	2589727m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.55	95	2158015	10.15	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1465153	7.630	ppbv	97
3) Chlorodifluoromethane	3.00	51	1104536	7.928	ppbv	99
4) Chloromethane	3.16	50	631657	7.949	ppbv	99
5) Vinyl Chloride	3.28	62	627912	8.516	ppbv	97
6) Bromomethane	3.50	94	403044	8.228	ppbv	96
7) Chloroethane	3.59	64	241785	8.292	ppbv	98
8) Dichlorotetrafluoroethane	3.21	85	1646495	8.023	ppbv	100
9) Propene	3.03	41	466364	8.946	ppbv	99
10) Heptane	8.22	43	1444954	10.967	ppbv	99
11) Trichlorofluoromethane	3.99	101	2019448	8.150	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1344556	8.029	ppbv	99
13) Ethanol	3.64	45	86282	5.087	ppbv	97
14) Bromoethene	3.78	108	537646	8.616	ppbv	100
15) Acetone	3.89	43	1260355	7.302	ppbv	99
16) 1,3-Butadiene	3.35	39	565466	8.608	ppbv	99
17) tert-Butyl alcohol	4.34	59	1055595	7.824	ppbv	100
18) 1,1-Dichloroethene	4.34	96	591950	8.369	ppbv	98
19) Isopropyl Alcohol	4.01	45	753107	7.638	ppbv	99
20) Methylene Chloride	4.39	84	497977	7.399	ppbv	97
21) Allyl Chloride	4.46	41	865727	8.830	ppbv	99
22) trans-1,2-Dichloroethene	4.95	96	625990	8.396	ppbv	96
23) Vinyl Acetate	5.14	43	1891840	9.430	ppbv	99
24) 1,1-Dichloroethane	5.07	63	1303469	8.354	ppbv	99
25) Ethyl Acetate	5.75	43	2658600	10.115	ppbv	100
26) Hexane	5.76	57	1153188	9.636	ppbv	99
27) Carbon Disulfide	4.60	76	1534974	9.232	ppbv	100
28) Methyl tert-Butyl Ether	5.09	73	1720559	9.508	ppbv	99
29) Chloroform	5.83	83	1976378	9.642	ppbv	98
30) Cyclohexane	7.22	84	938249	11.096	ppbv	97
31) cis-1,2-Dichloroethene	5.62	61	1188736	11.327	ppbv	98
32) 1,1,1-Trichloroethane	6.60	97	1956089	9.893	ppbv	99
34) 2-Butanone	5.31	43	1462056	9.998	ppbv	99
35) Carbon Tetrachloride	7.11	117	2144241	10.706	ppbv	100
36) Benzene	6.98	78	2254441	11.385	ppbv	99
37) 1,2-Dichloroethane	6.39	62	1523336	10.402	ppbv	99
38) Trichloroethene	7.94	130	927360	12.028	ppbv	97
39) 1,2-Dichloropropane	7.71	63	844841	11.054	ppbv	93
40) 1,4-Dioxane	7.93	88	322752	10.354	ppbv	# 1
41) Tetrahydrofuran	6.13	42	880112	11.857	ppbv	98
42) Bromodichloromethane	7.89	83	2110011	10.782	ppbv	99
43) Methyl Methacrylate	8.11	69	910687	12.297	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.97	57	3843824	10.916	ppbv	99
45) t-1,3-Dichloropropene	9.39	75	1109136	11.414	ppbv	98
46) cis-1,3-Dichloropropene	8.81	75	1400923	12.583	ppbv	97
47) 1,1,2-Trichloroethane	9.59	97	827829	9.086	ppbv	97
48) Dibromochloromethane	10.43	129	1604287	9.798	ppbv	100
49) Bromoform	13.18	173	1640793	11.352	ppbv	99
50) 4-Methyl-2-Pentanone	8.85	43	2520525	11.558	ppbv	100
51) 2-Hexanone	10.25	43	1850251	10.865	ppbv #	99
52) Tetrachloroethene	11.34	164	828200	11.886	ppbv	96
53) Toluene	9.92	91	2336878	10.664	ppbv	99
54) 1,2-Dibromoethane	10.73	107	1338705	9.747	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.25	131	1139191	10.070	ppbv	99
57) Chlorobenzene	12.27	112	1965844	10.135	ppbv	98
58) Ethyl Benzene	12.84	91	3253977	11.145	ppbv	98
59) m/p-Xylene	13.12	91	6119072m	23.046	ppbv	
60) o-Xylene	13.82	91	3109300	11.342	ppbv	100
61) Styrene	13.66	104	2277332	12.837	ppbv	99
62) Isopropylbenzene	14.80	105	4063959	10.999	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.81	83	2227472	10.794	ppbv	100
64) n-propylbenzene	15.70	120	1071773	11.327	ppbv	99
65) tert-Butylbenzene	16.88	119	3832281	11.210	ppbv	99
66) Benzyl Chloride	17.13	91	2165149	12.497	ppbv	100
67) sec-Butylbenzene	17.43	105	5276684	11.002	ppbv	99
69) p-Isopropyltoluene	17.79	119	4445621	11.140	ppbv	100
70) n-Butylbenzene	18.69	91	5126758	11.729	ppbv	100
71) 2-Chlorotoluene	15.59	91	3177290	11.673	ppbv	100
72) 4-Ethyltoluene	15.97	105	3651165	11.704	ppbv	100
73) 1,3,5-Trimethylbenzene	16.13	105	3506161	11.410	ppbv	100
74) 1,2,4-Trimethylbenzene	16.90	105	3766862	10.636	ppbv	98
75) 1,3-Dichlorobenzene	17.14	146	2169029	9.779	ppbv	100
76) 1,4-Dichlorobenzene	17.28	146	2118635	10.403	ppbv	99
77) 1,2-Dichlorobenzene	17.96	146	2078457	10.155	ppbv	100
78) Hexachloro-1,3-Butadiene	23.52	225	1748554	10.937	ppbv	99
79) Naphthalene	22.38	128	3432990	12.127	ppbv	98
80) Naphthalene, 2-methyl-	25.09	142	1491682	13.206	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.10	180	2014412	11.271	ppbv	100

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

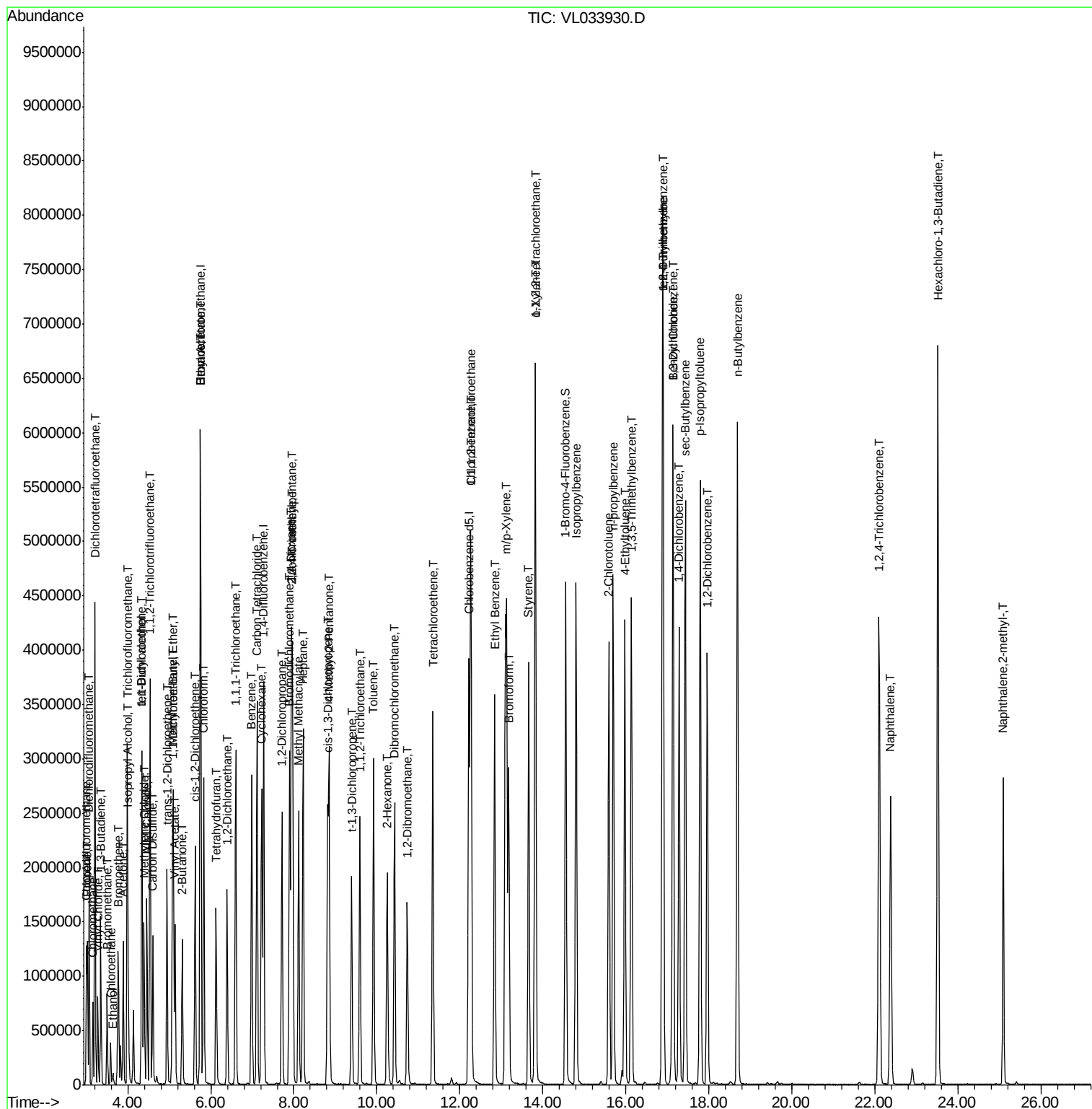
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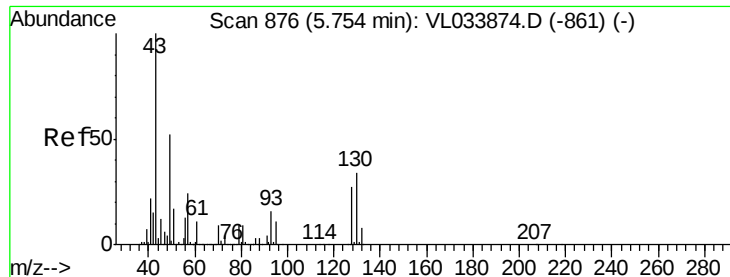
Instrument :
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1183394

Ion Ratio Lower Upper

49 100

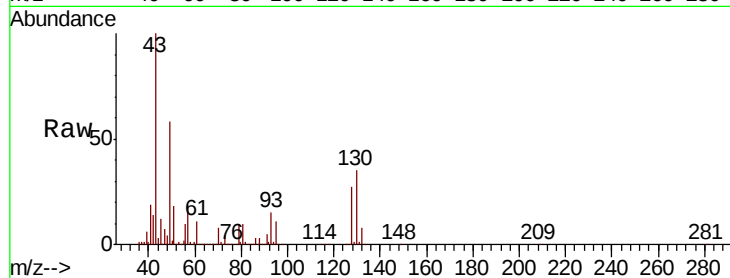
128 47.4 25.5 76.5

130 61.8 32.5 97.4

Manual Integrations
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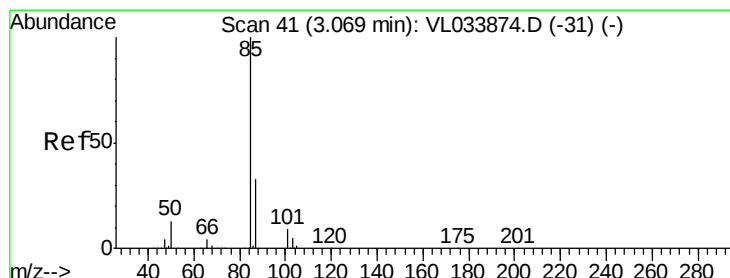
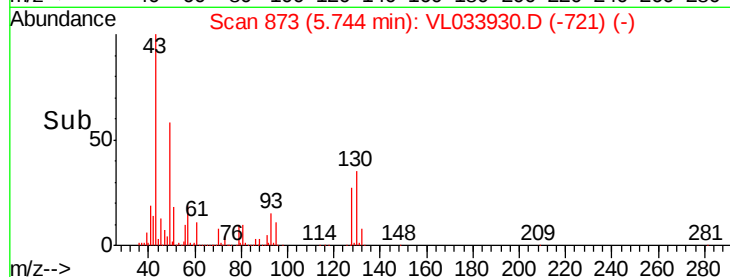
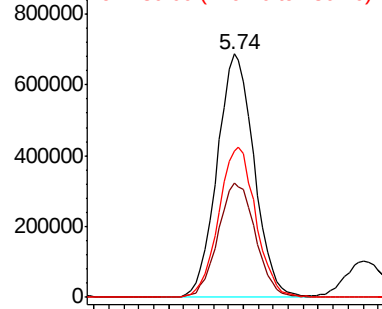
6/26/2019 8:15:29 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.630 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL033930.D

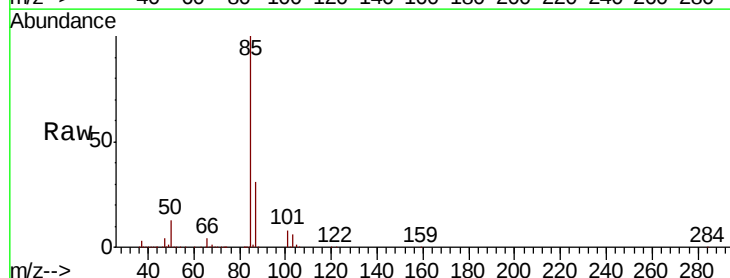
Acq: 24 Jun 2019 9:18

Tgt Ion: 85 Resp: 1465153

Ion Ratio Lower Upper

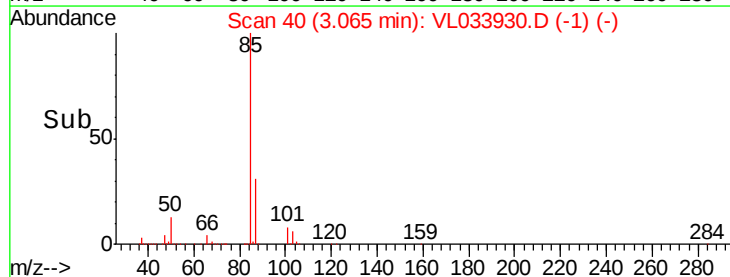
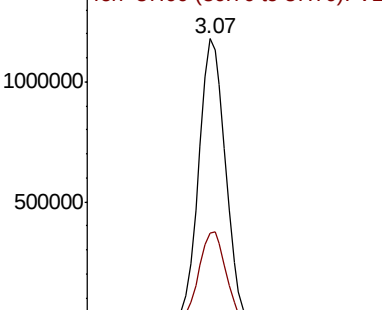
85 100

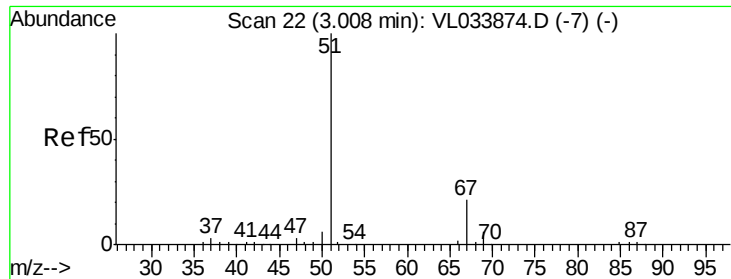
87 31.4 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





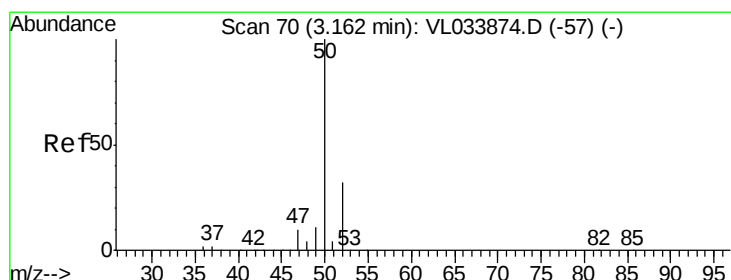
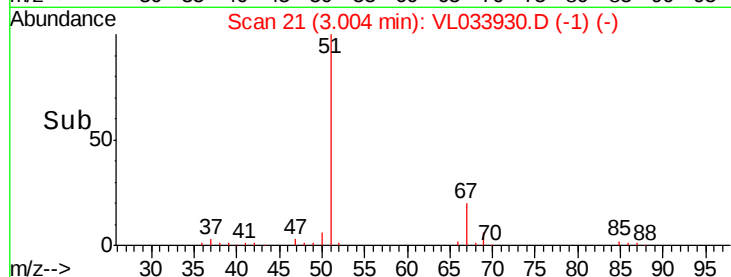
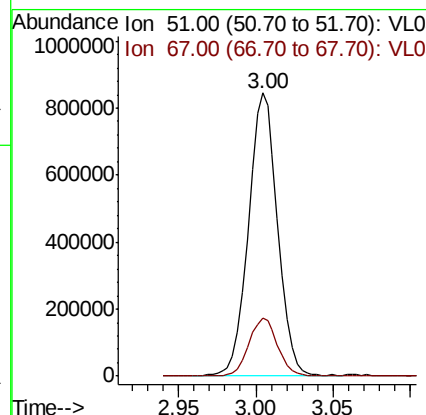
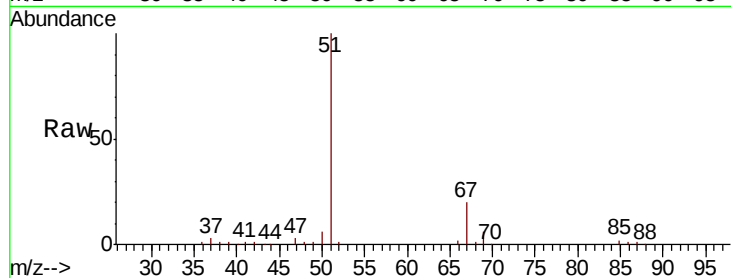
#3
Chlorodifluoromethane
Concen: 7.928 ppbv
RT: 3.00 min Scan# 21
Delta R.T. -0.00 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 1104536
Ion Ratio Lower Upper
51 100
67 20.2 16.4 24.6

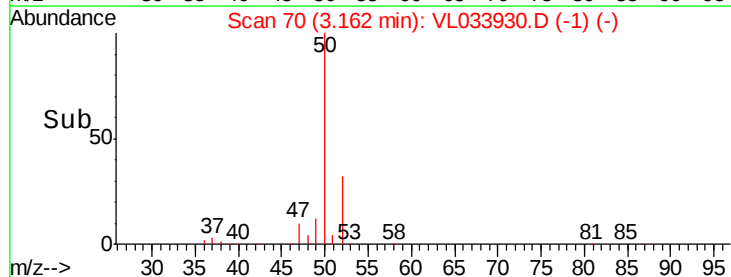
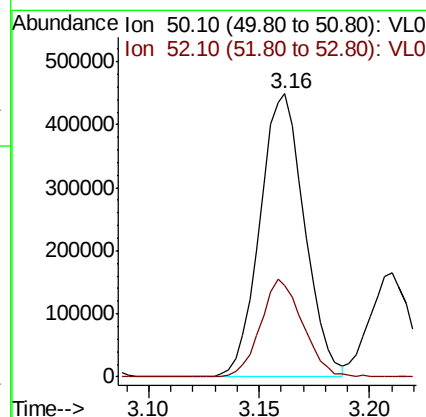
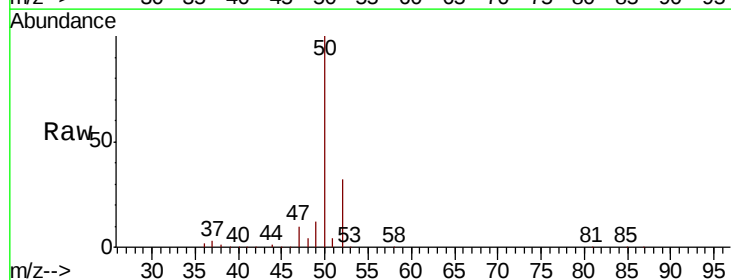
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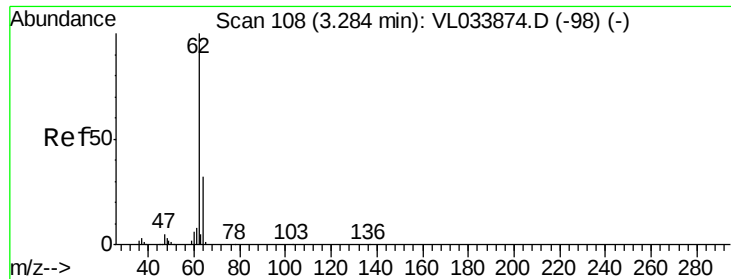
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#4
Chloromethane
Concen: 7.949 ppbv
RT: 3.16 min Scan# 70
Delta R.T. -0.00 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion: 50 Resp: 631657
Ion Ratio Lower Upper
50 100
52 32.5 25.4 38.0





#5

Vinyl Chloride

Concen: 8.516 ppbv

RT: 3.28 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 627912

Ion Ratio Lower Upper

62 100

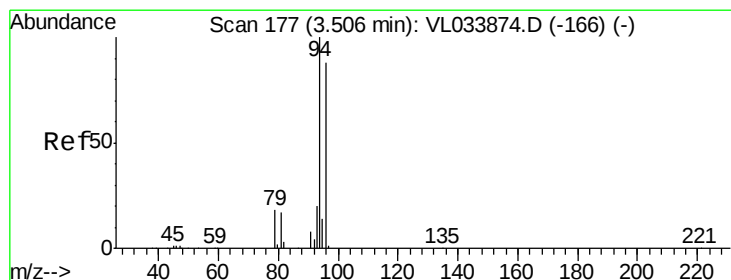
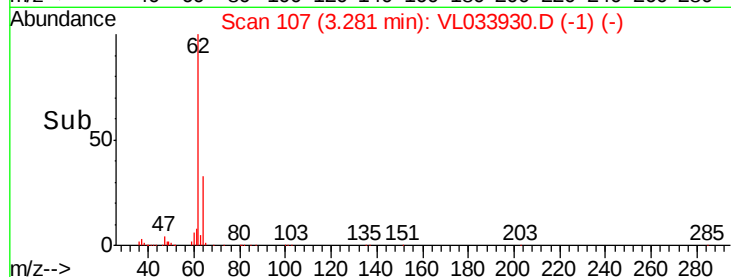
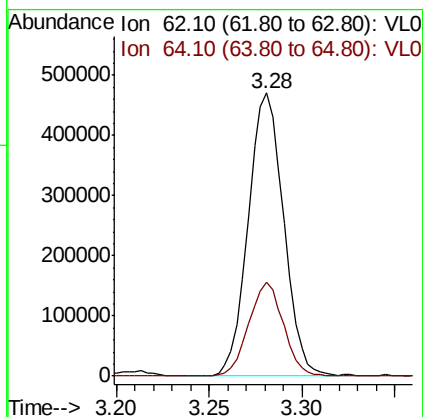
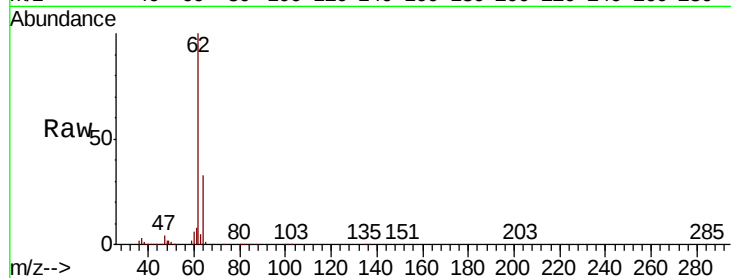
64 33.2 25.2 37.8

Manual Integrations

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#6

Bromomethane

Concen: 8.228 ppbv

RT: 3.50 min Scan# 176

Delta R.T. -0.00 min

Lab File: VL033930.D

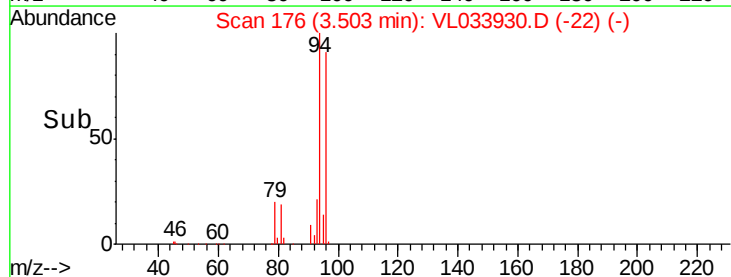
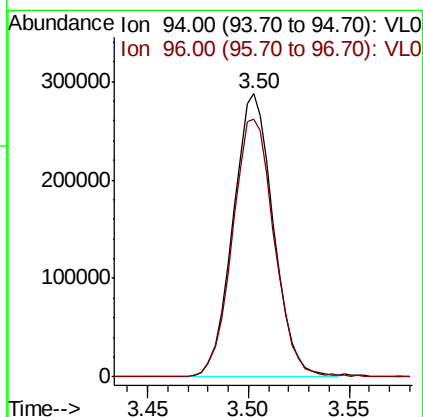
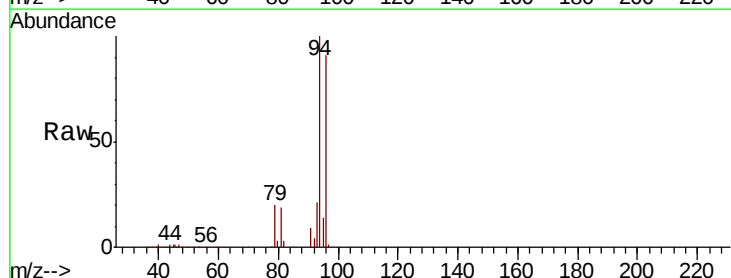
Acq: 24 Jun 2019 9:18

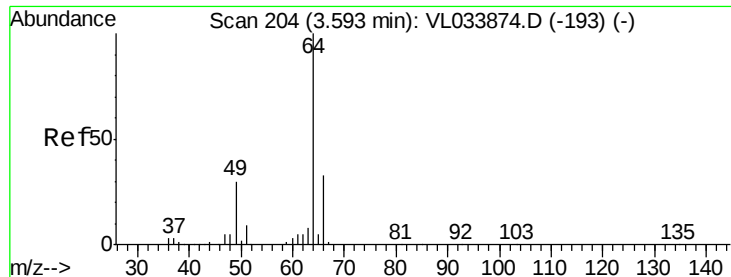
Tgt Ion: 94 Resp: 403044

Ion Ratio Lower Upper

94 100

96 91.1 70.2 105.2





#7

Chloroethane

Concen: 8.292 ppbv

RT: 3.59 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 241785

Ion Ratio Lower Upper

64 100

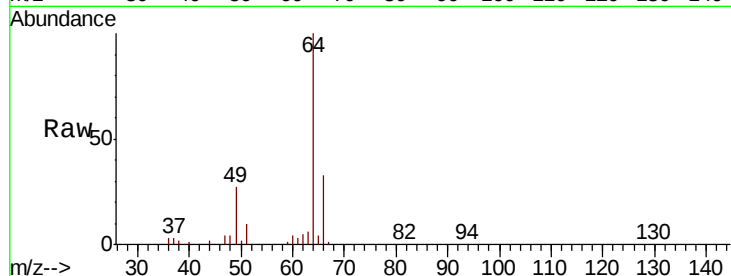
66 32.5 26.7 40.1

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

100000

50000

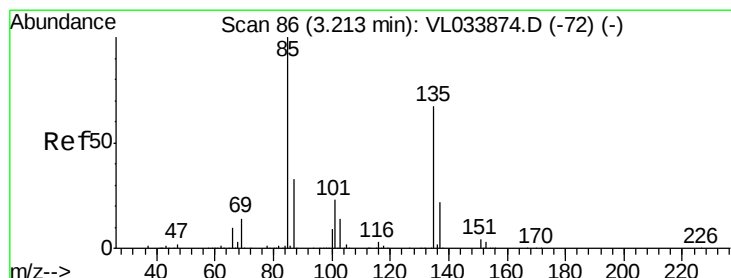
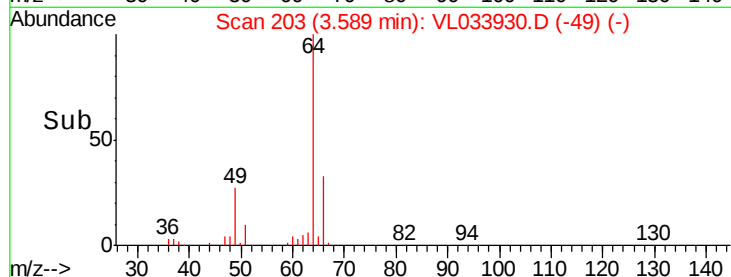
0

3.55

3.60

3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.023 ppbv

RT: 3.21 min Scan# 85

Delta R.T. -0.00 min

Lab File: VL033930.D

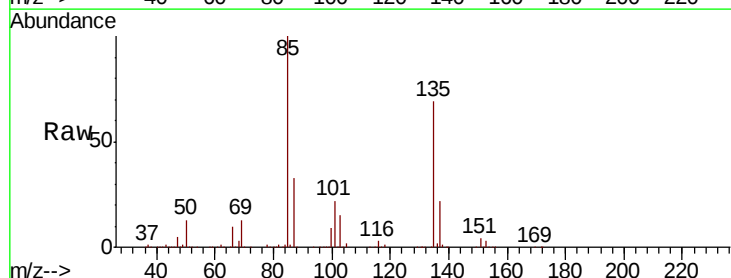
Acq: 24 Jun 2019 9:18

Tgt Ion: 85 Resp: 1646495

Ion Ratio Lower Upper

85 100

135 67.2 53.7 80.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

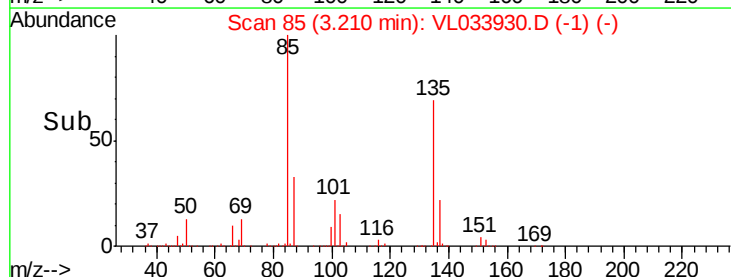
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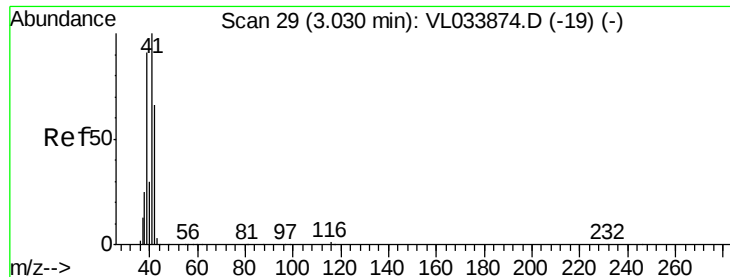
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 8.946 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 466364

Ion Ratio Lower Upper

41 100

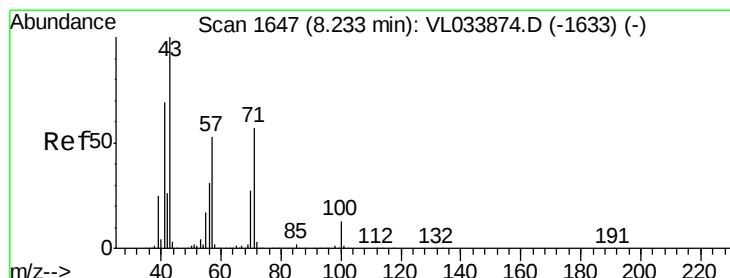
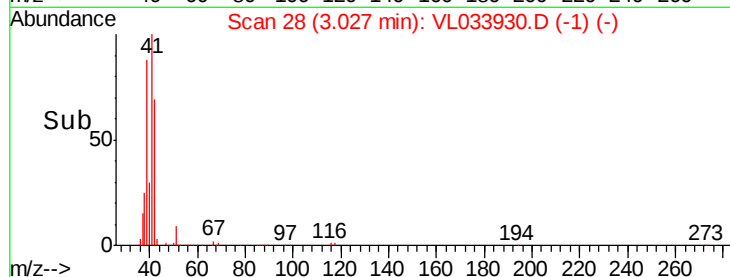
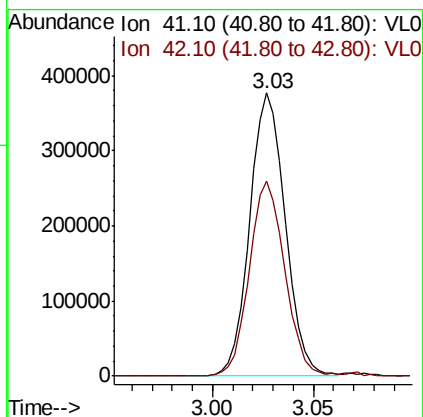
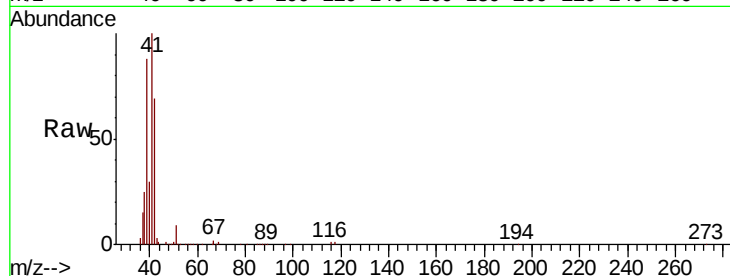
42 69.8 56.3 84.5

Manual Integrations

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#10

Heptane

Concen: 10.967 ppbv

RT: 8.22 min Scan# 1644

Delta R.T. -0.01 min

Lab File: VL033930.D

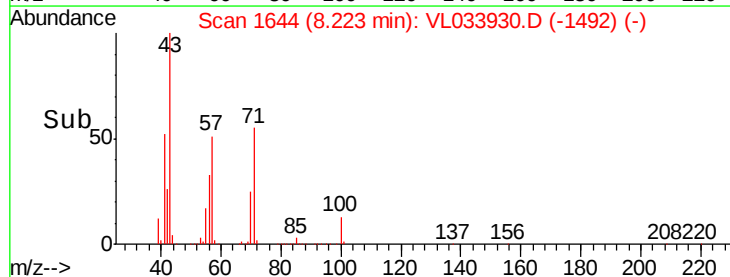
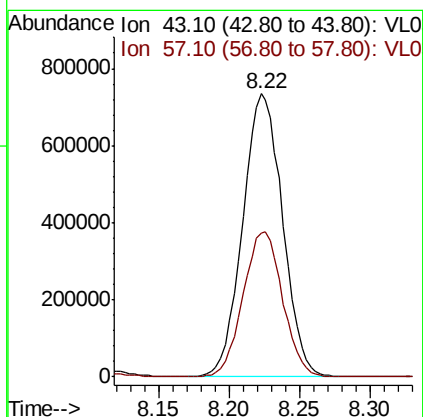
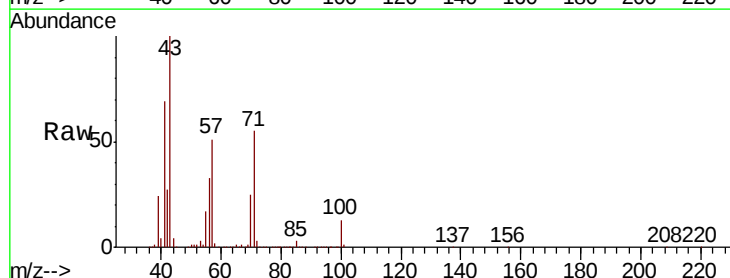
Acq: 24 Jun 2019 9:18

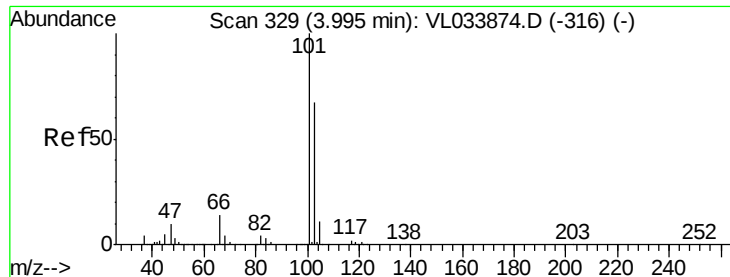
Tgt Ion: 43 Resp: 1444954

Ion Ratio Lower Upper

43 100

57 51.1 41.7 62.5





#11

Trichlorofluoromethane

Concen: 8.150 ppbv

RT: 3.99 min Scan# 328

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 2019448

Ion Ratio Lower Upper

101 100

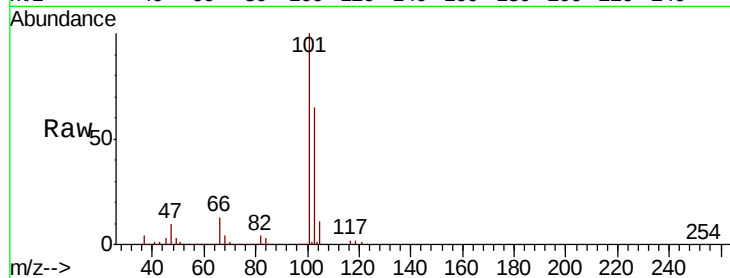
103 65.1 53.6 80.4

Manual Integrations

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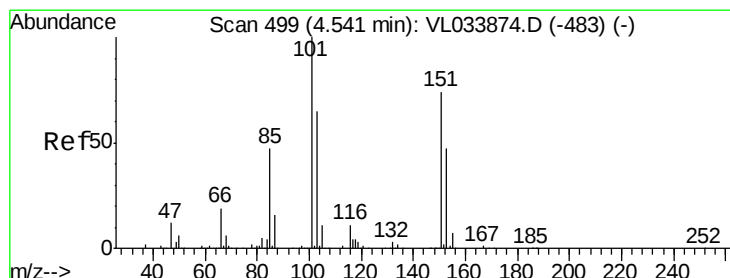
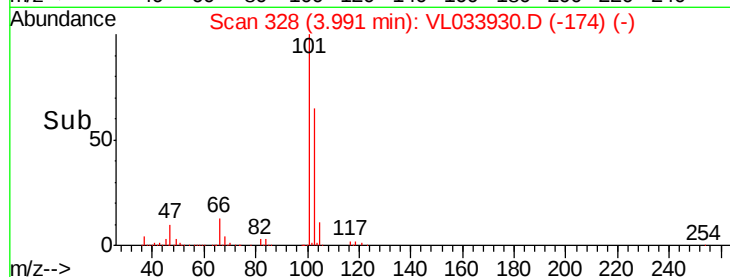
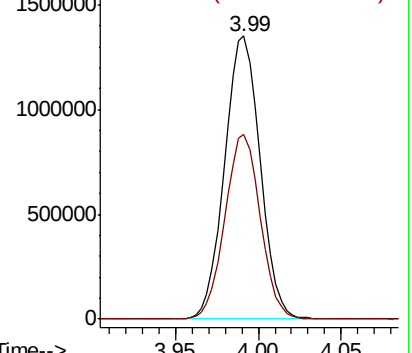
MMDadoda

6/26/2019 8:15:29 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.029 ppbv

RT: 4.54 min Scan# 498

Delta R.T. -0.00 min

Lab File: VL033930.D

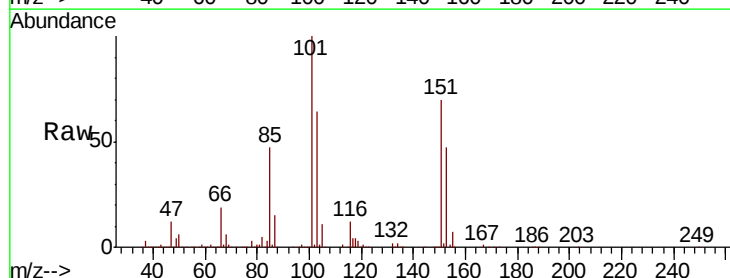
Acq: 24 Jun 2019 9:18

Tgt Ion:101 Resp: 1344556

Ion Ratio Lower Upper

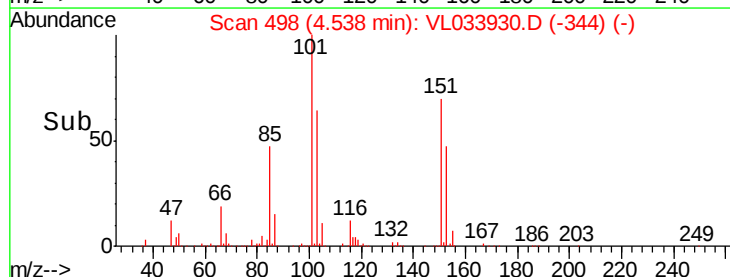
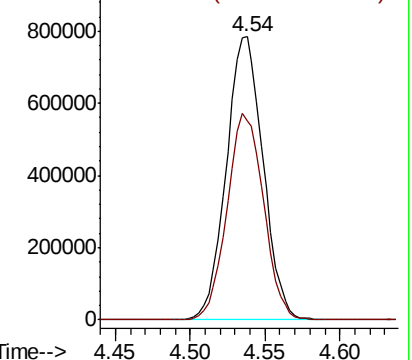
101 100

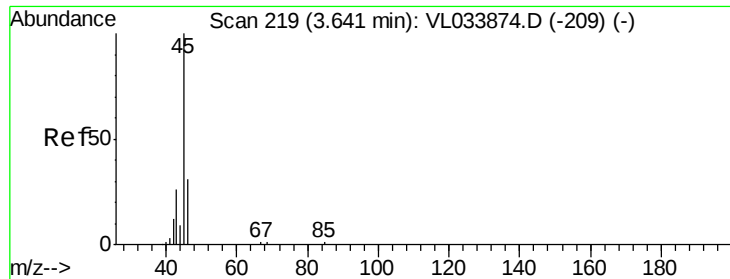
151 72.7 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 5.087 ppbv

RT: 3.64 min Scan# 218

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 86282

Ion Ratio Lower Upper

45 100

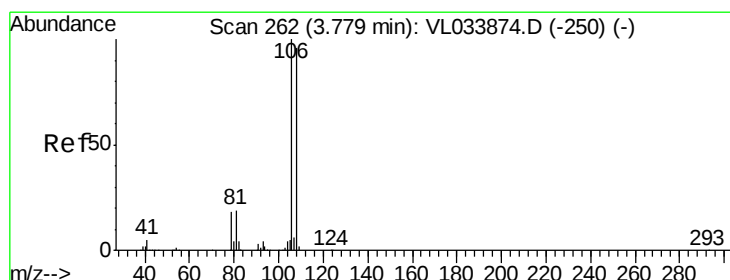
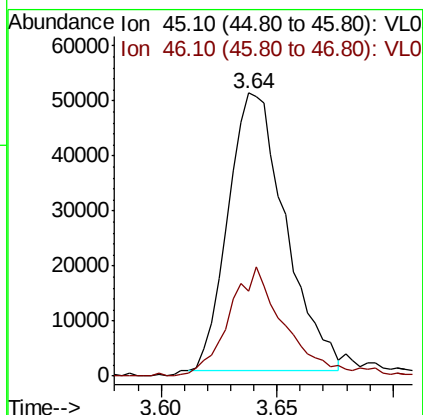
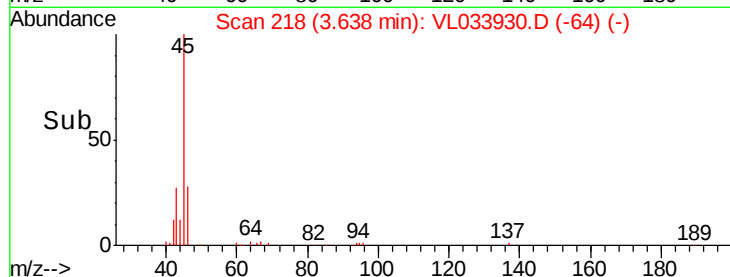
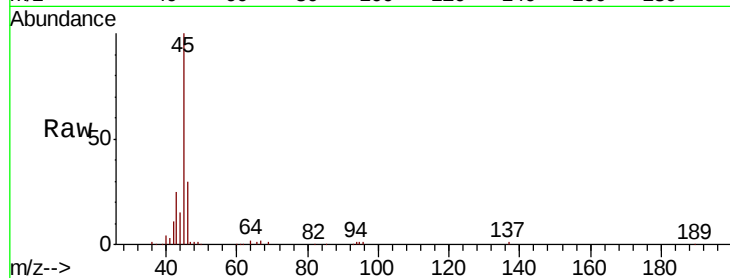
46 40.1 15.3 61.1

Manual Integrations

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MMDadoda

6/26/2019 8:15:29 AM



#14

Bromoethene

Concen: 8.616 ppbv

RT: 3.78 min Scan# 261

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

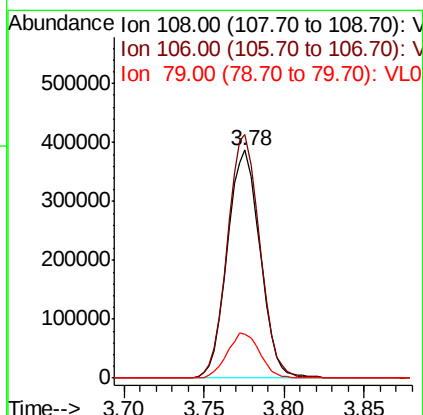
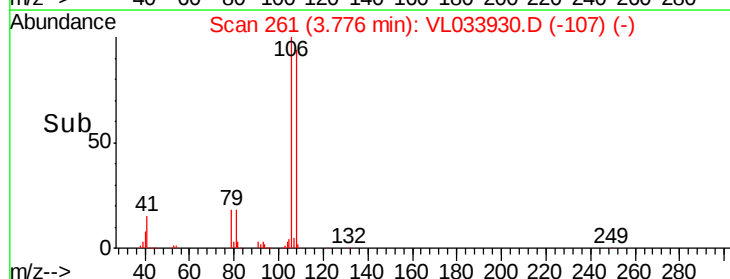
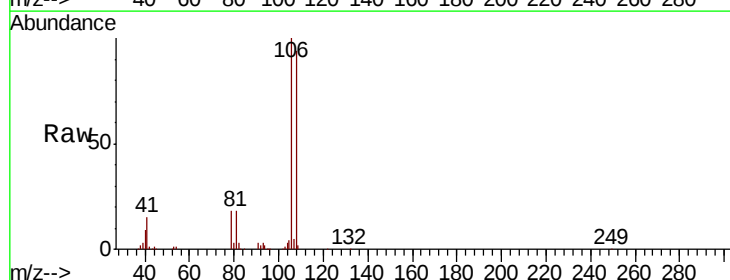
Tgt Ion: 108 Resp: 537646

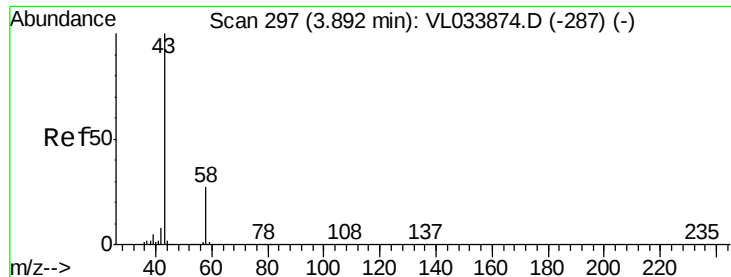
Ion Ratio Lower Upper

108 100

106 106.2 84.9 127.3

79 19.9 15.4 23.0





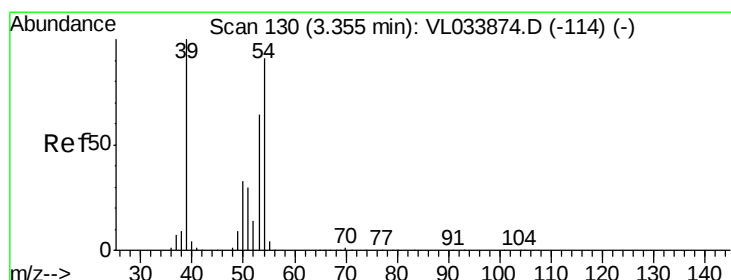
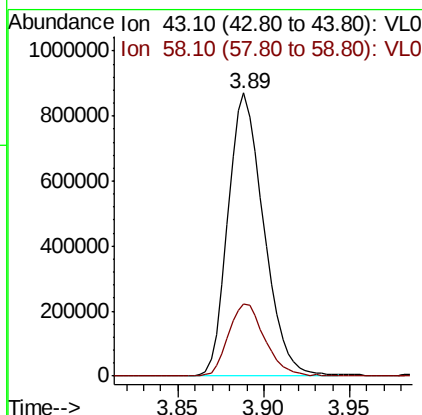
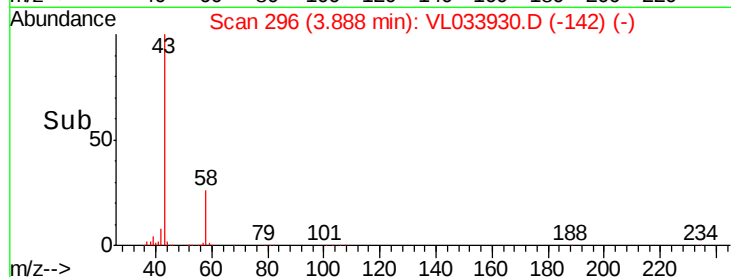
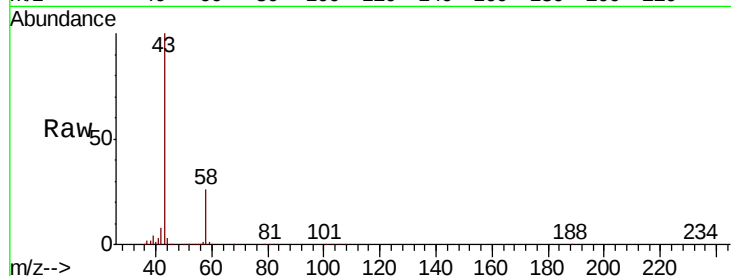
#15
Acetone
Concen: 7.302 ppbv
RT: 3.89 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1260355
Ion Ratio Lower Upper
43 100
58 26.2 21.3 31.9

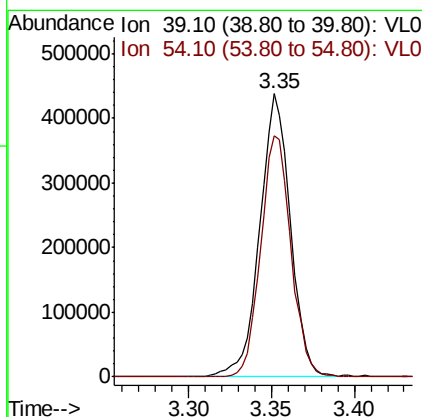
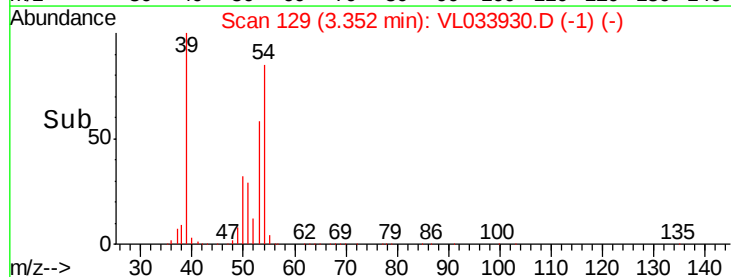
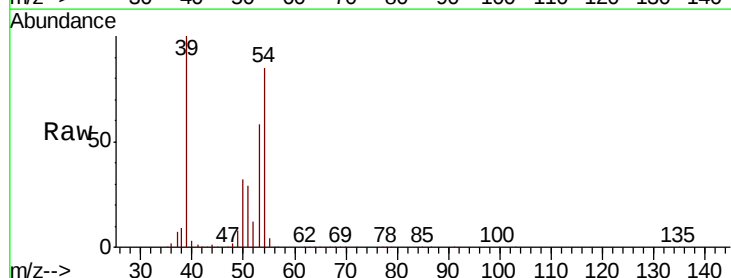
Manual Integrations
APPROVED

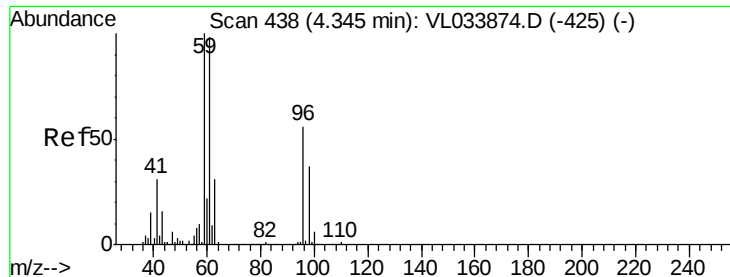
MMDadoda
6/26/2019 8:15:29 AM



#16
1,3-Butadiene
Concen: 8.608 ppbv
RT: 3.35 min Scan# 129
Delta R.T. -0.00 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion: 39 Resp: 565466
Ion Ratio Lower Upper
39 100
54 84.6 68.6 103.0





#17

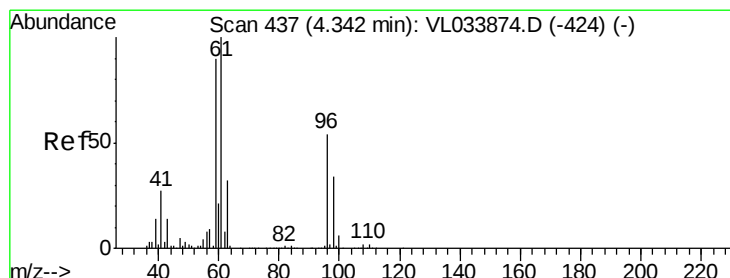
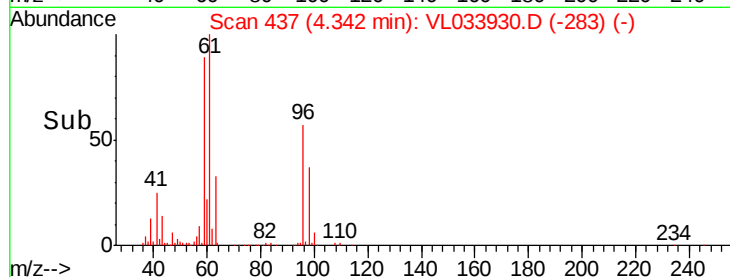
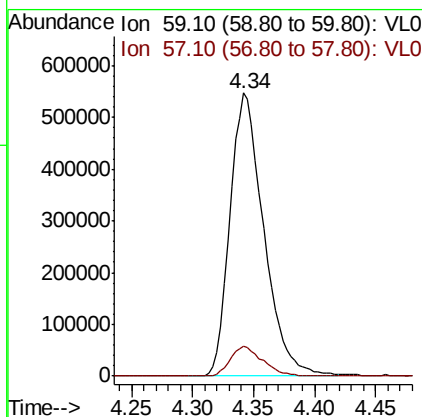
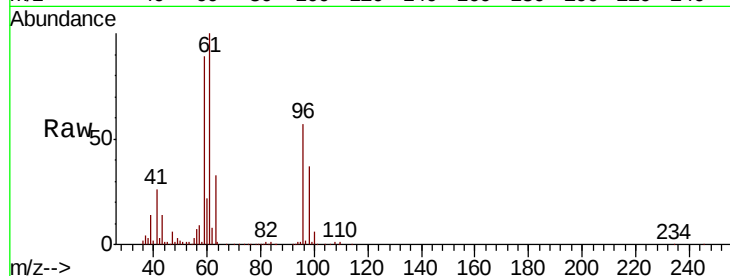
tert-Butyl alcohol
Concen: 7.824 ppbv
RT: 4.34 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1055595
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6

Manual Integrations
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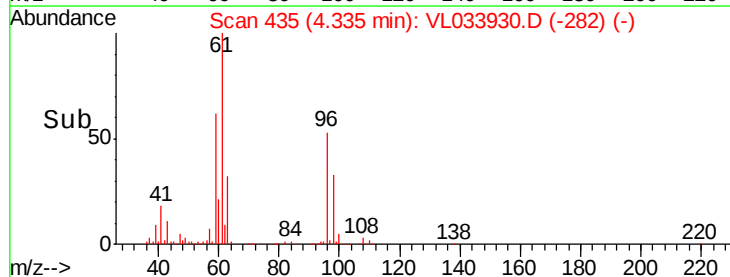
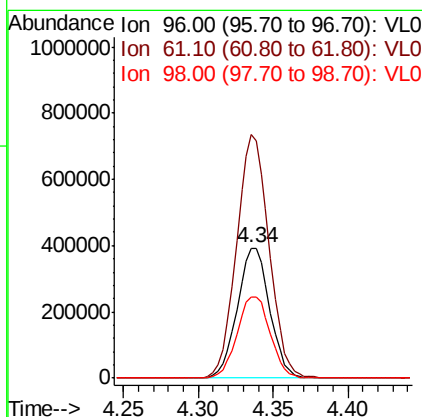
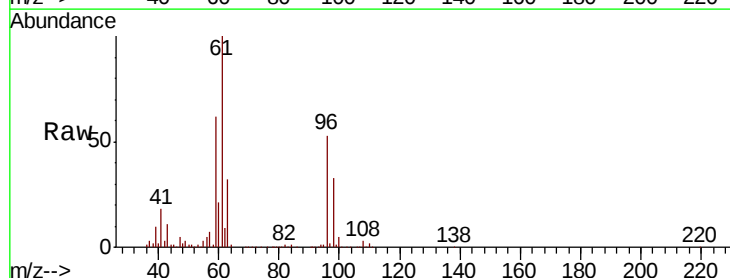
MMDadoda
6/26/2019 8:15:29 AM

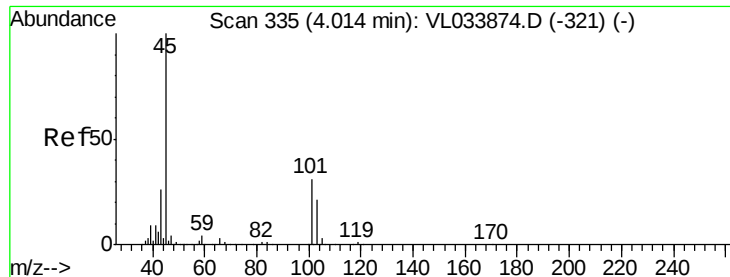


#18

1,1-Dichloroethene
Concen: 8.369 ppbv
RT: 4.34 min Scan# 435
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion: 96 Resp: 591950
Ion Ratio Lower Upper
96 100
61 187.0 147.0 220.6
98 62.1 49.4 74.0





#19

Isopropyl Alcohol

Concen: 7.638 ppbv

RT: 4.01 min Scan# 334

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 753107

Ion Ratio Lower Upper

45 100

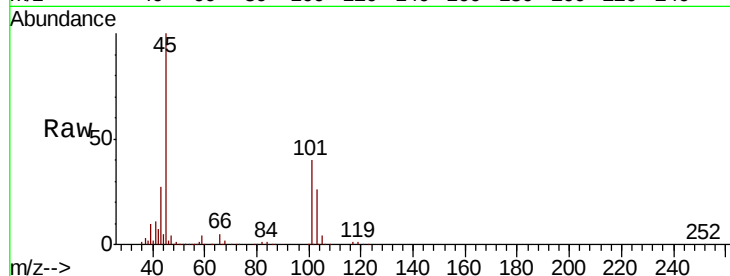
58 2.5 1.8 2.6

Manual Integrations

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MMDadoda

6/26/2019 8:15:29 AM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

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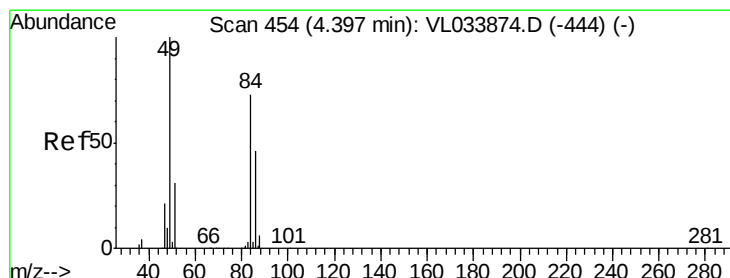
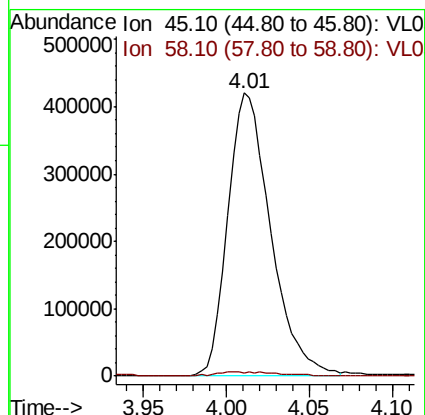
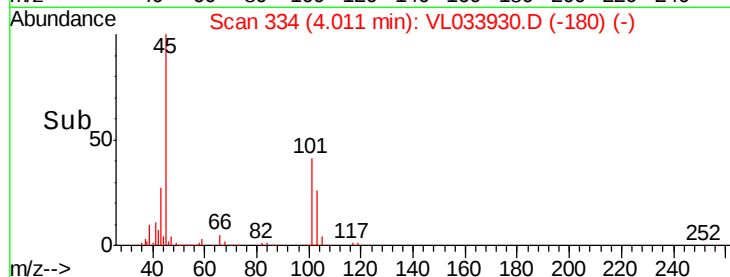
4.01

4.01

4.01

4.01

4.01



#20

Methylene Chloride

Concen: 7.399 ppbv

RT: 4.39 min Scan# 453

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion: 84 Resp: 497977

Ion Ratio Lower Upper

84 100

49 142.3 110.0 165.0

51 43.2 34.6 51.8

86 65.6 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

4.39

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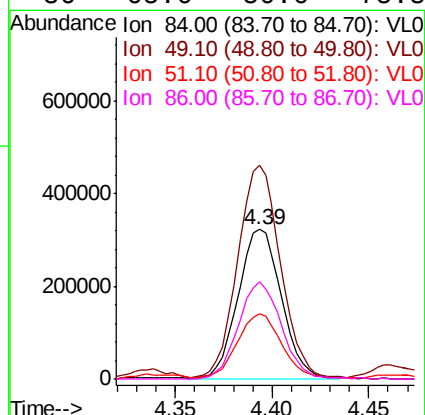
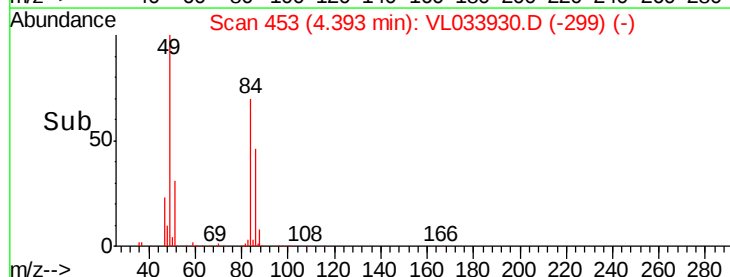
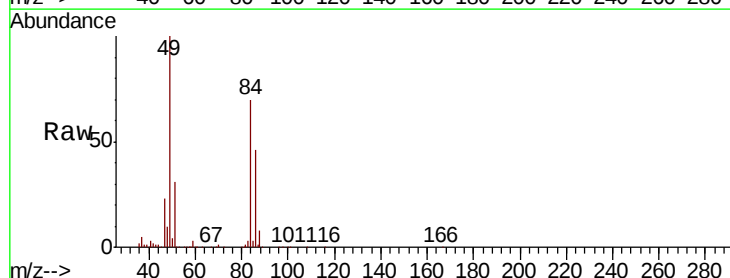
4.39

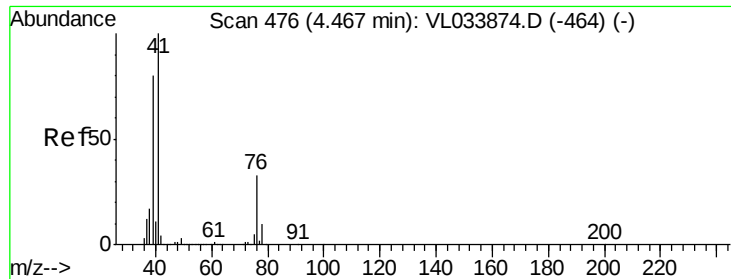
4.39

4.39

4.39

4.39





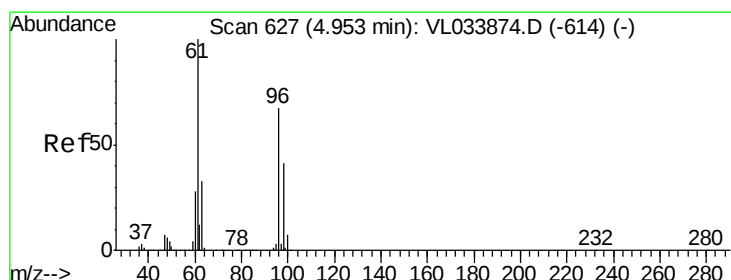
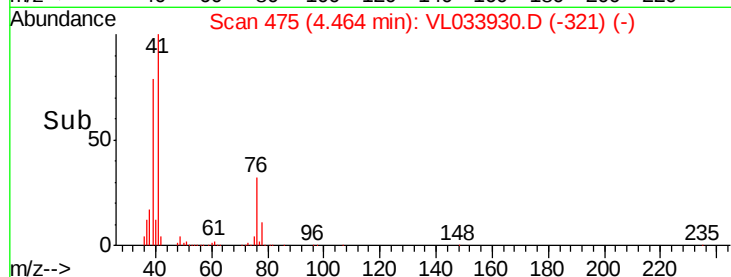
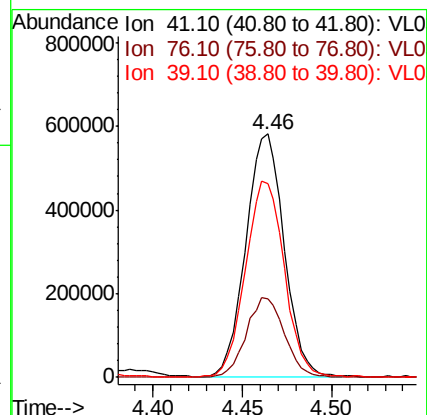
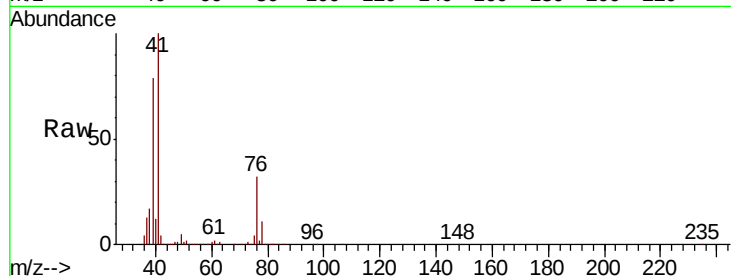
#21
Allvl Chloride
Concen: 8.830 ppbv
RT: 4.46 min Scan# 475
Delta R.T. -0.00 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
41	100	865727		
76	32.7		26.6	39.8
39	82.6		65.2	97.8

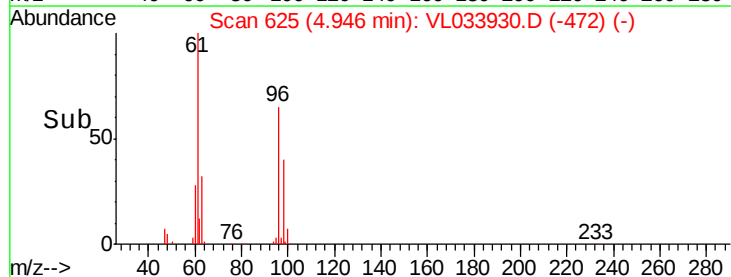
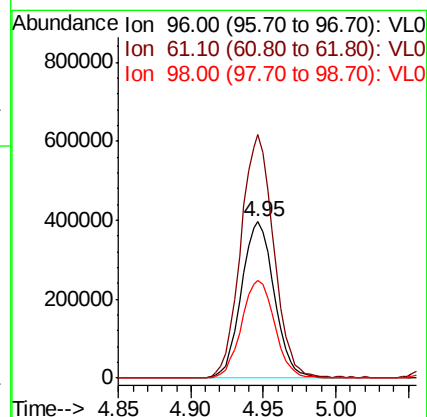
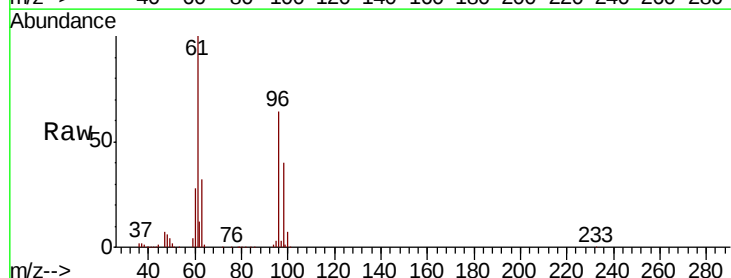
Manual Integrations
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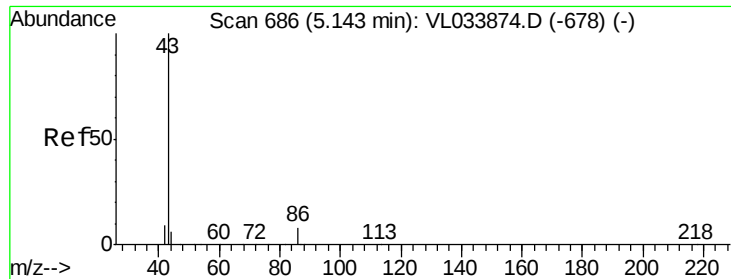
MMDadoda
6/26/2019 8:15:29 AM



#22
trans-1,2-Dichloroethene
Concen: 8.396 ppbv
RT: 4.95 min Scan# 625
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	625990		
61	155.5		119.0	178.6
98	62.1		48.3	72.5





#23

Vinyl Acetate

Concen: 9.430 ppbv

RT: 5.14 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1891840

Ion Ratio Lower Upper

43 100

86 7.0 5.8 8.8

42 10.1 7.8 11.8

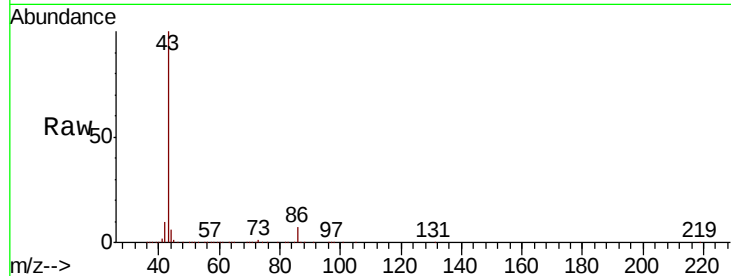
44 5.4 4.2 6.4

Manual Integrations

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6/26/2019 8:15:29 AM

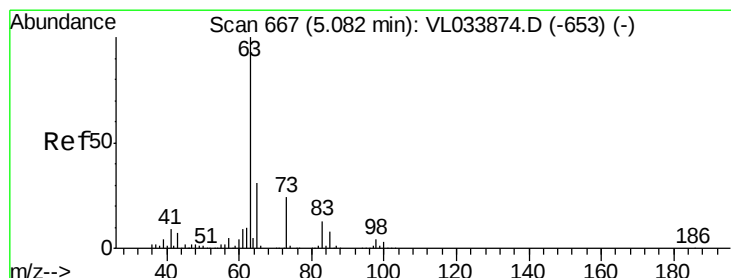
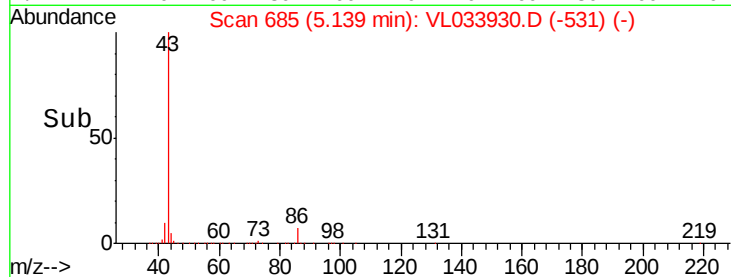
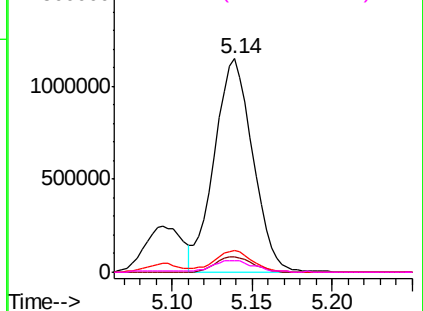


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.354 ppbv

RT: 5.07 min Scan# 665

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

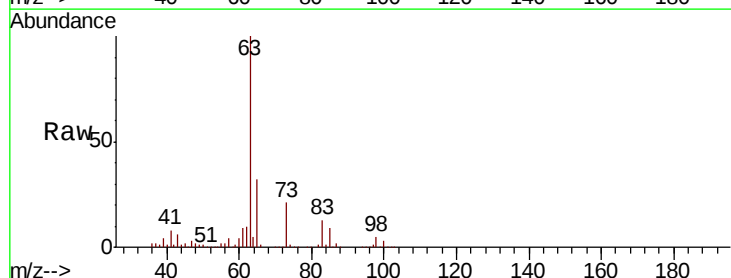
Tgt Ion: 63 Resp: 1303469

Ion Ratio Lower Upper

63 100

98 4.5 2.2 6.6

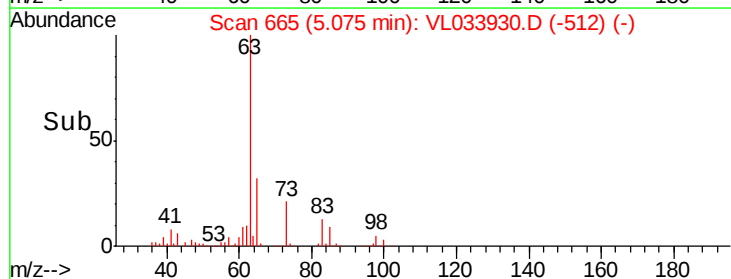
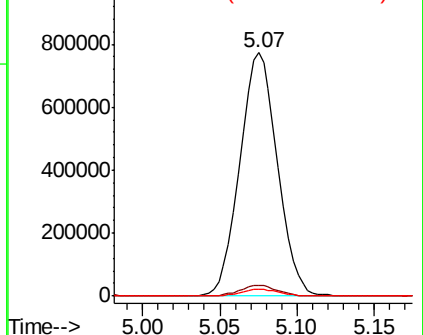
100 2.9 1.3 3.8

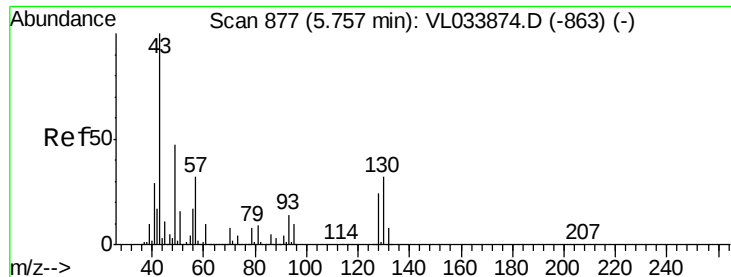


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





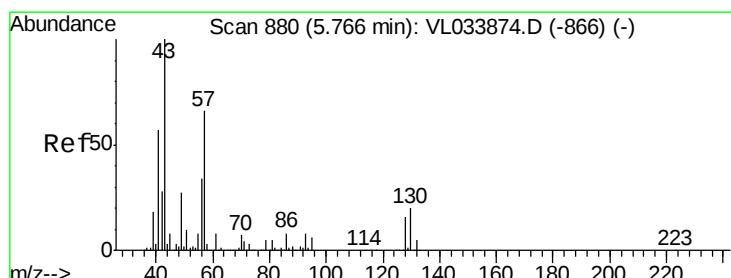
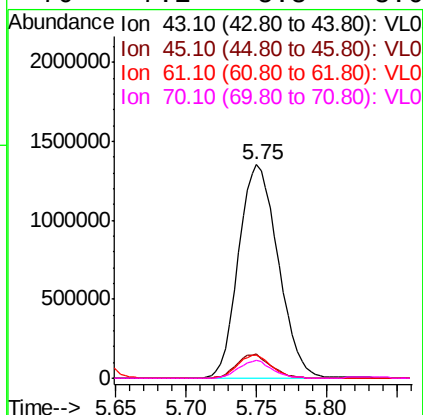
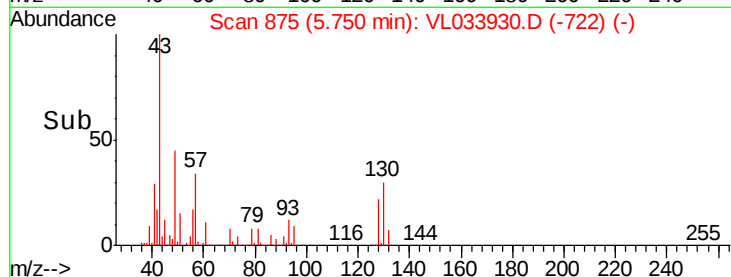
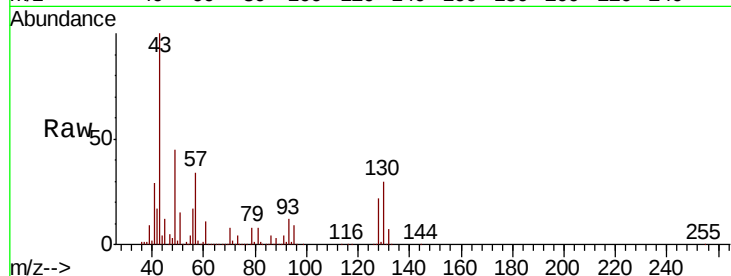
#25
Ethyl Acetate
Concen: 10.115 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.6	7.8	11.6
70	7.1	5.8	8.6

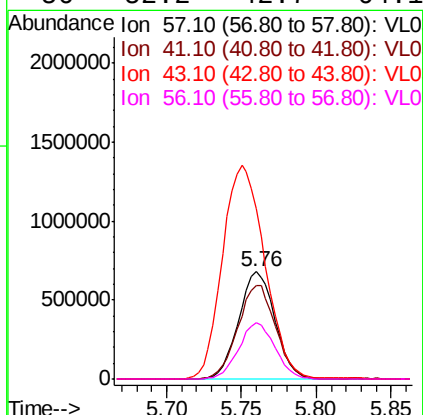
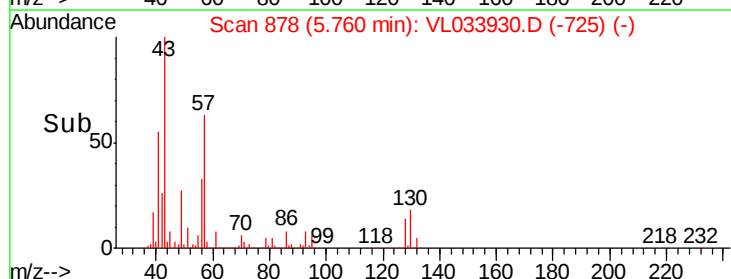
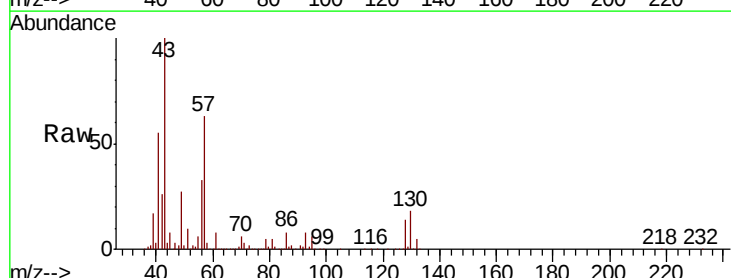
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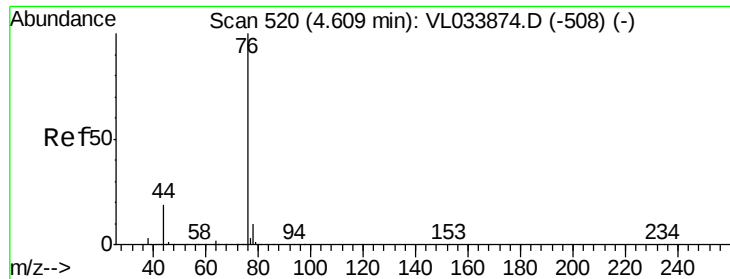
MMDadoda
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#26
Hexane
Concen: 9.636 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.3	71.4	107.2
43	231.7	183.7	275.5
56	52.2	42.7	64.1





#27

Carbon Disulfide

Concen: 9.232 ppbv

RT: 4.60 min Scan# 518

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1534974

Ion Ratio Lower Upper

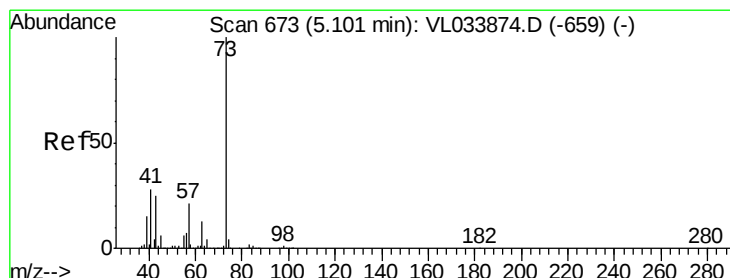
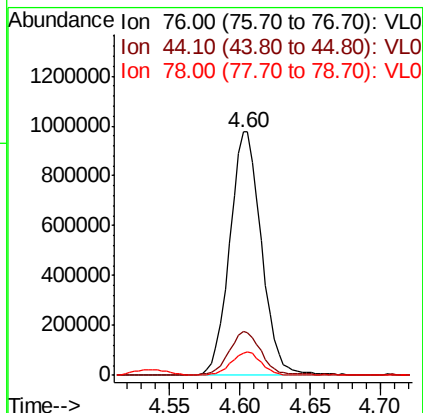
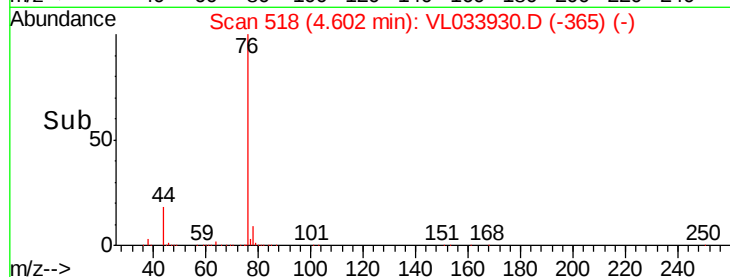
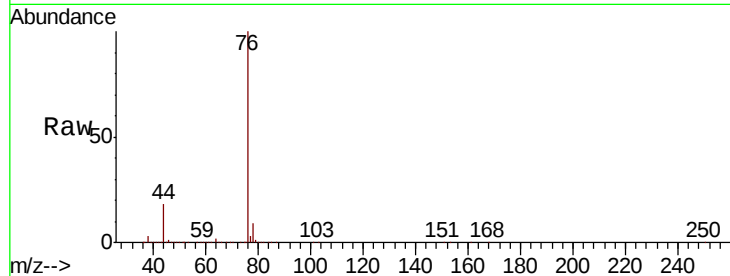
76 100

44 17.9 14.4 21.6

78 9.3 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 9.508 ppbv

RT: 5.09 min Scan# 671

Delta R.T. -0.01 min

Lab File: VL033930.D

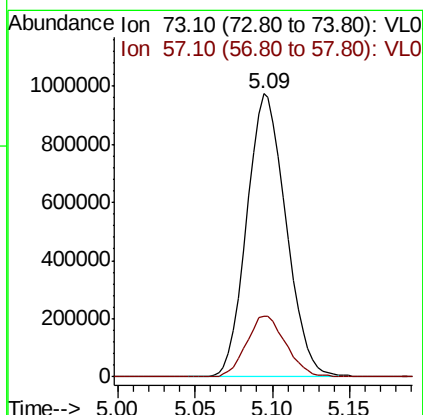
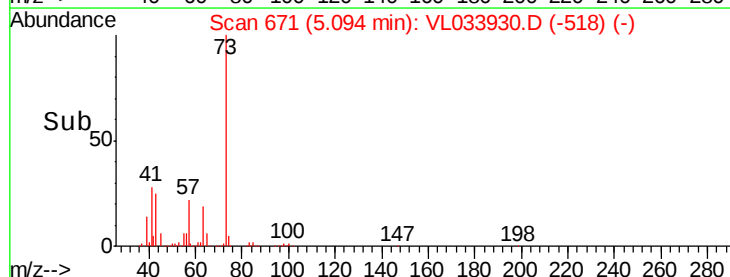
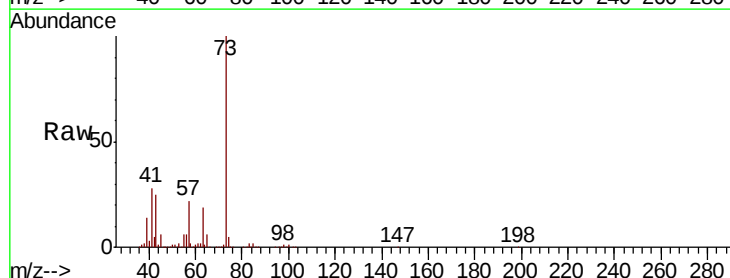
Acq: 24 Jun 2019 9:18

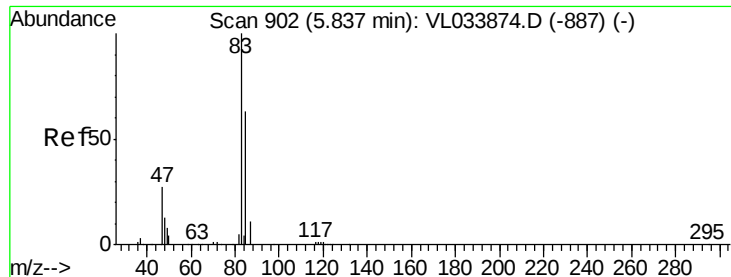
Tgt Ion: 73 Resp: 1720559

Ion Ratio Lower Upper

73 100

57 21.9 17.2 25.8





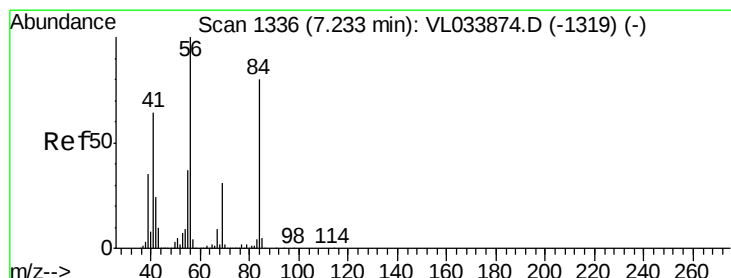
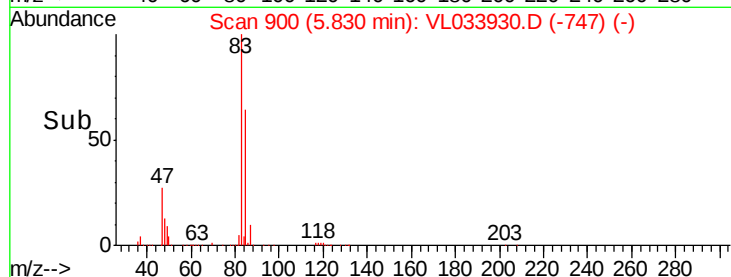
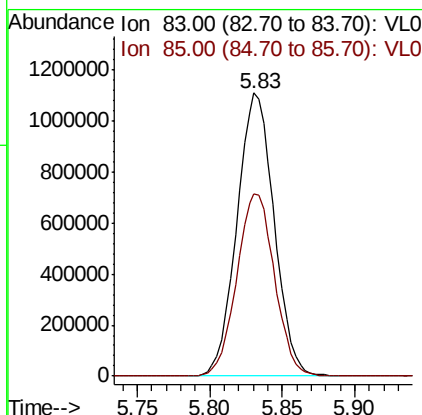
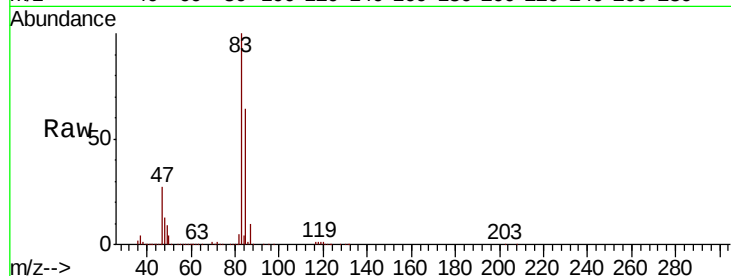
#29
Chloroform
Concen: 9.642 ppbv
RT: 5.83 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1976378
Ion Ratio Lower Upper
83 100
85 64.3 50.5 75.7

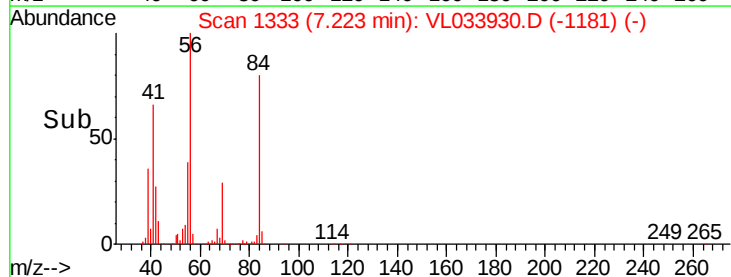
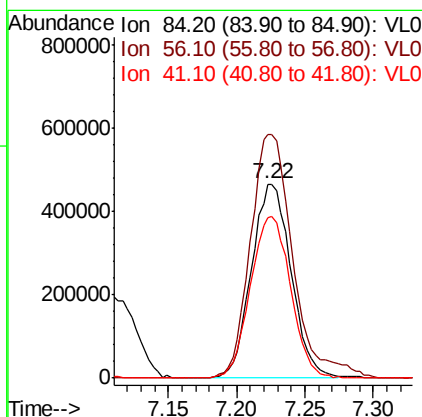
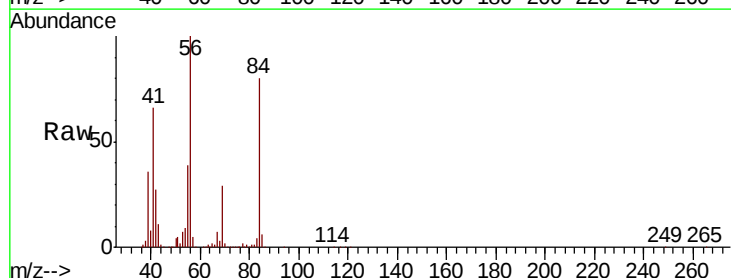
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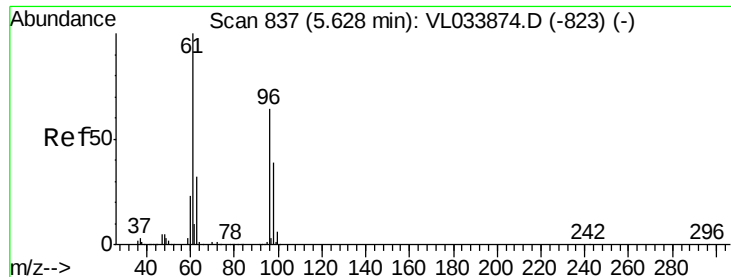
MMDadoda
6/26/2019 8:15:29 AM



#30
Cyclohexane
Concen: 11.096 ppbv
RT: 7.22 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion: 84 Resp: 938249
Ion Ratio Lower Upper
84 100
56 135.4 105.8 158.8
41 84.6 65.7 98.5





#31

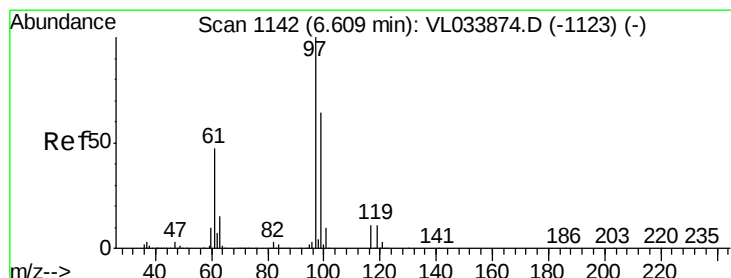
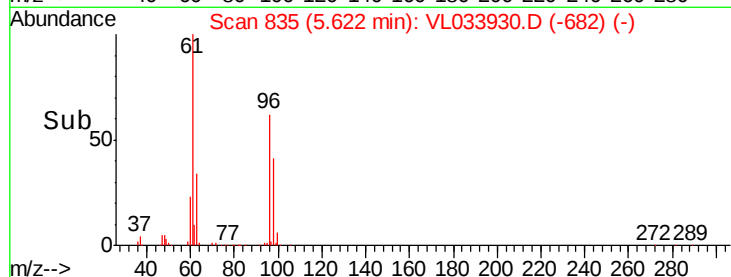
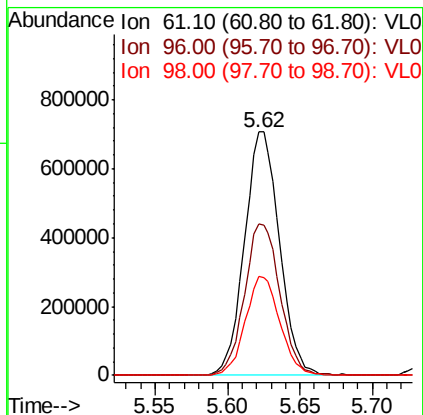
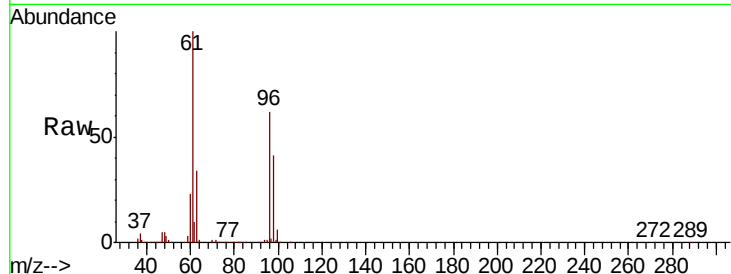
cis-1,2-Dichloroethene
 Concen: 11.327 ppbv
 RT: 5.62 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.0	50.9	76.3
98	40.8	31.4	47.2

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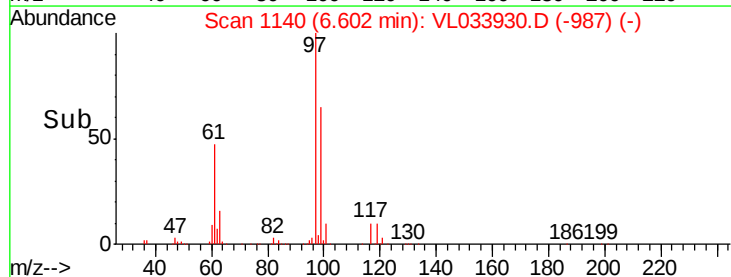
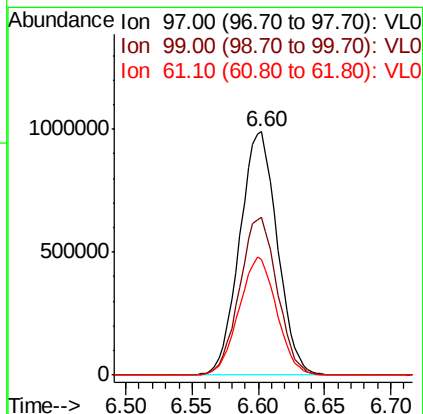
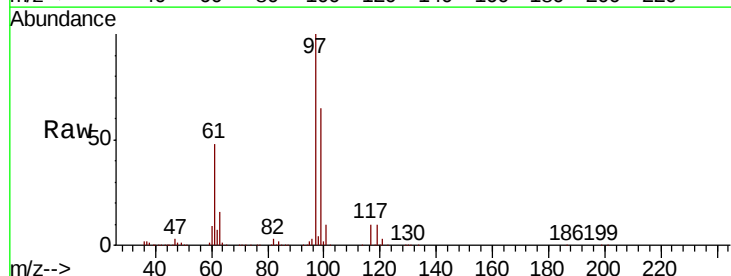
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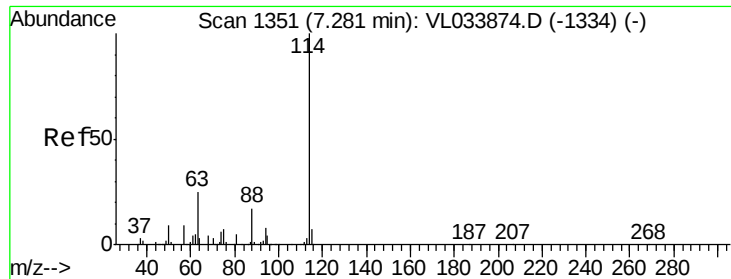


#32

1,1,1-Trichloroethane
 Concen: 9.893 ppbv
 RT: 6.60 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	48.6	37.7	56.5





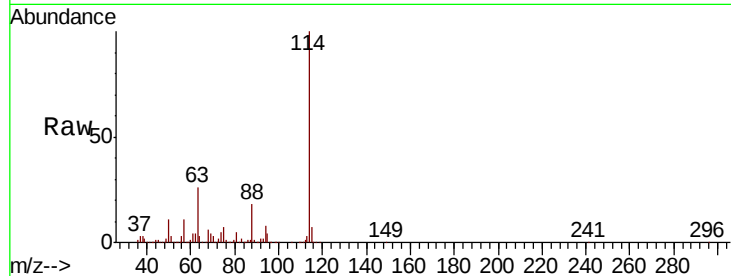
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

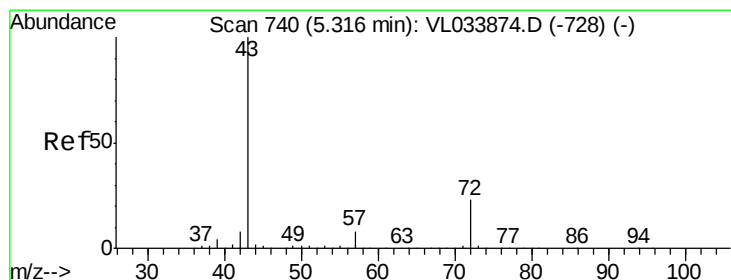
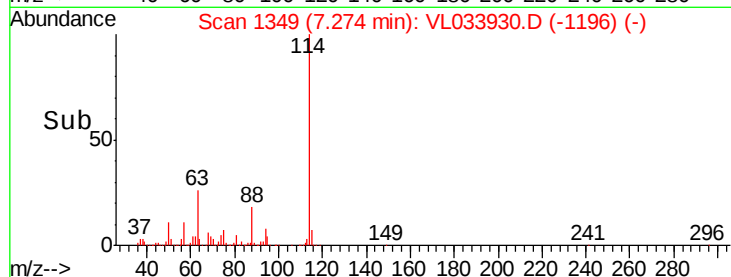
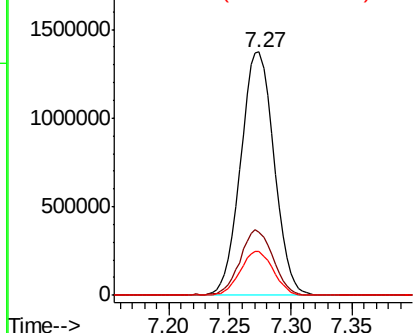
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.1	31.7
88	18.0	14.2	21.4

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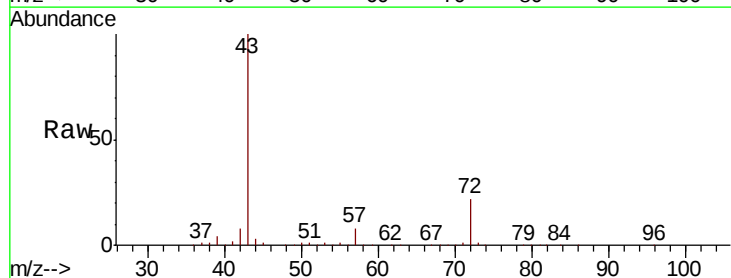


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

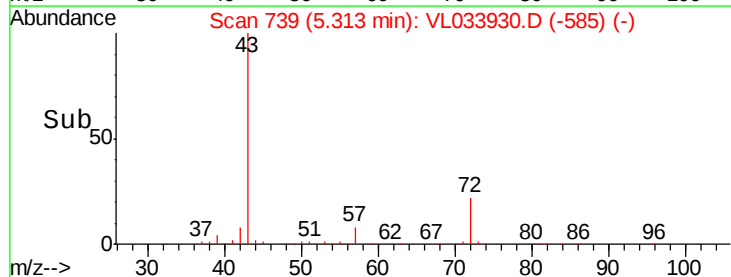
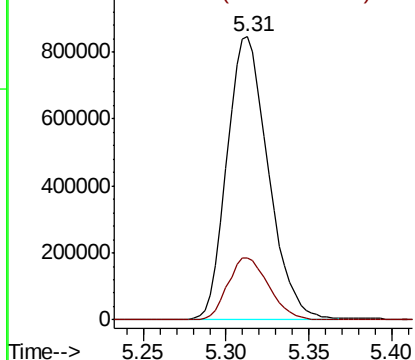


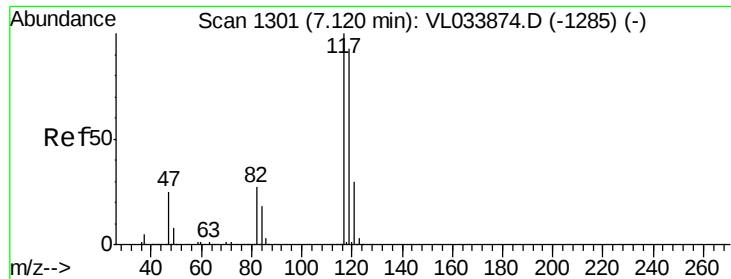
#34
 2-Butanone
 Concen: 9.998 ppbv
 RT: 5.31 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.9	26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.706 ppbv

RT: 7.11 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

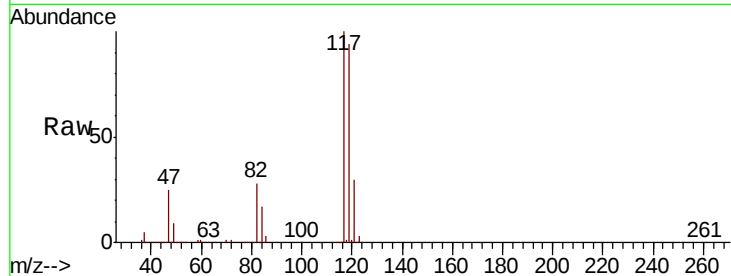
VSTDCCC010

Tot Ion:117 Resp: 2144241

Ion	Ratio	Lower	Upper
117	100		
119	93.7	74.6	111.8
121	29.9	24.0	36.0

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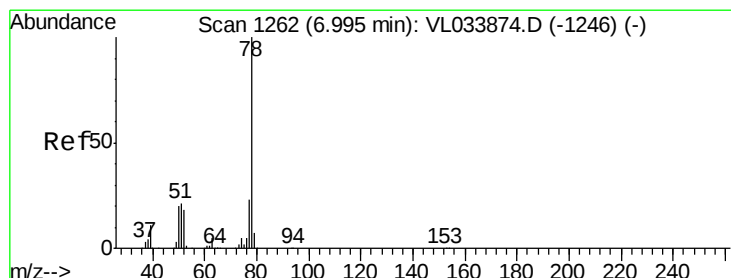
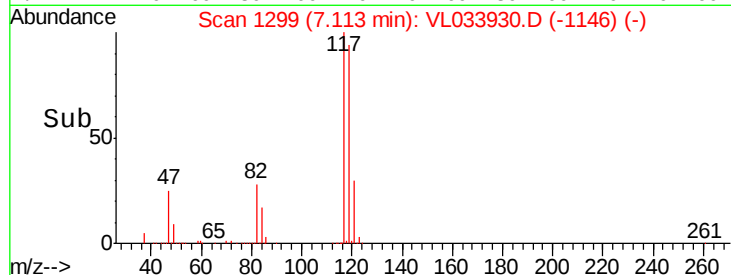
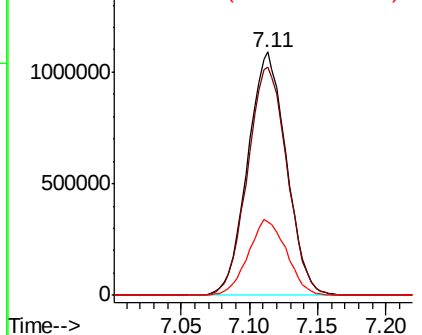


Abundance

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: 11.385 ppbv

RT: 6.98 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion: 78 Resp: 2254441

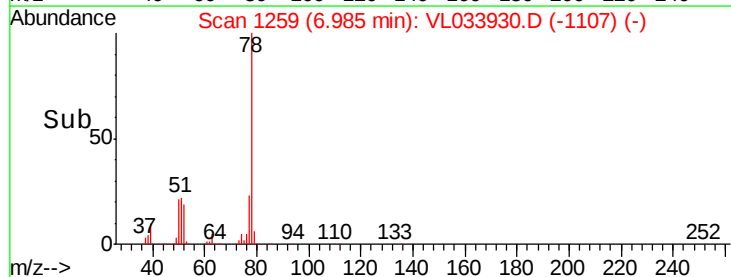
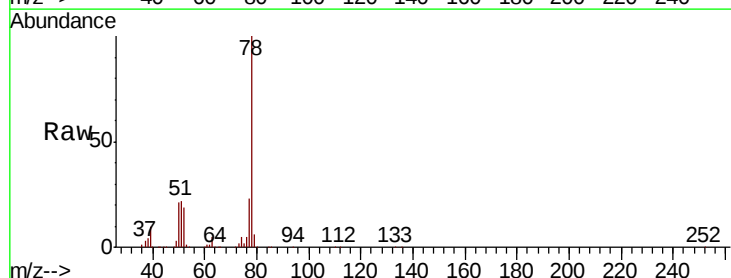
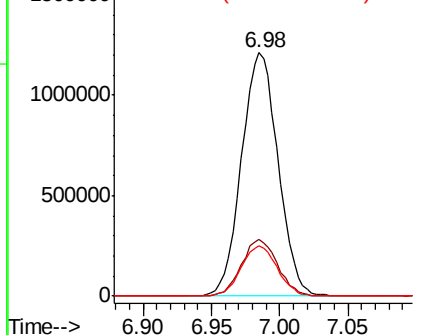
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2
50	20.7	15.9	23.9

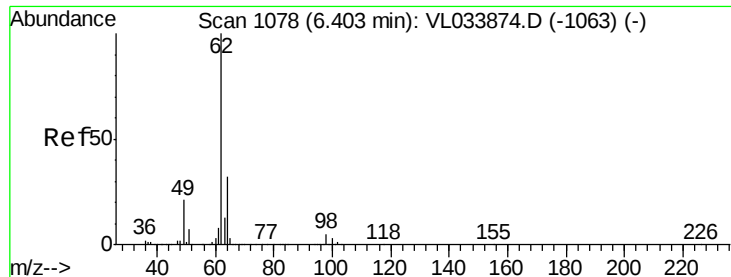
Abundance

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: 10.402 ppbv

RT: 6.39 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1523336

Ion Ratio Lower Upper

62 100

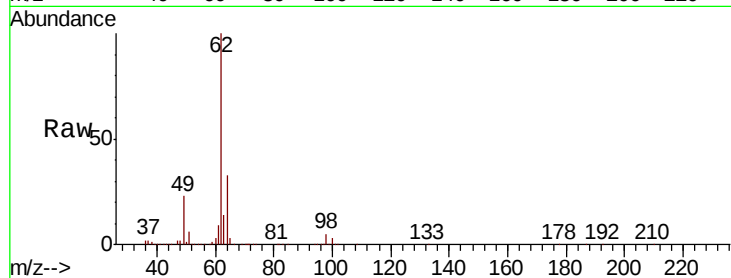
98 5.3 4.0 6.0

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.39

800000

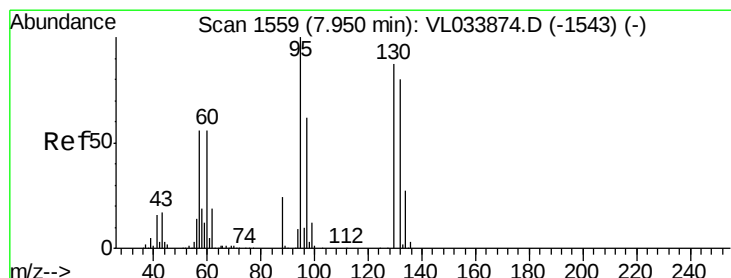
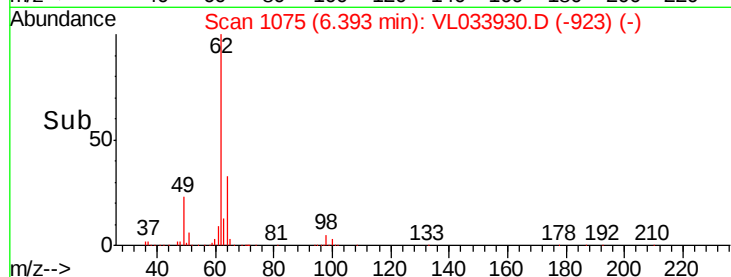
600000

400000

200000

0

Time--> 6.30 6.35 6.40 6.45



#38

Trichloroethene

Concen: 12.028 ppbv

RT: 7.94 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion:130 Resp: 927360

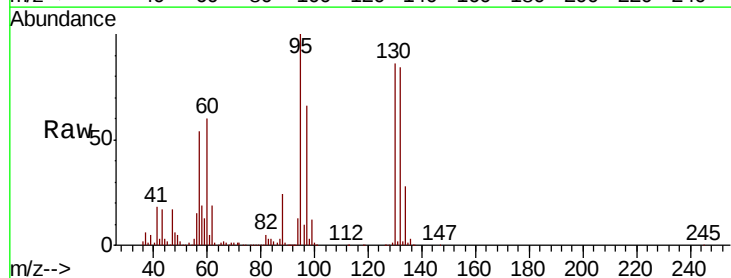
Ion Ratio Lower Upper

130 100

95 115.2 92.0 138.0

132 96.8 73.8 110.8

97 76.6 57.2 85.8



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

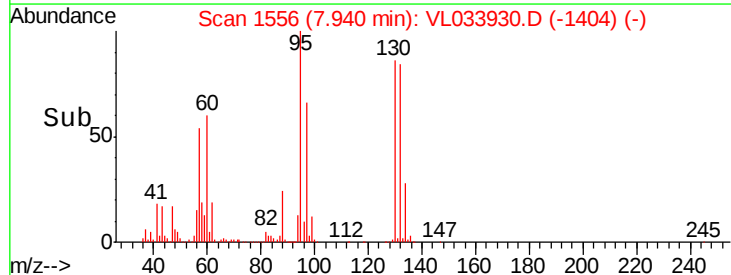
600000

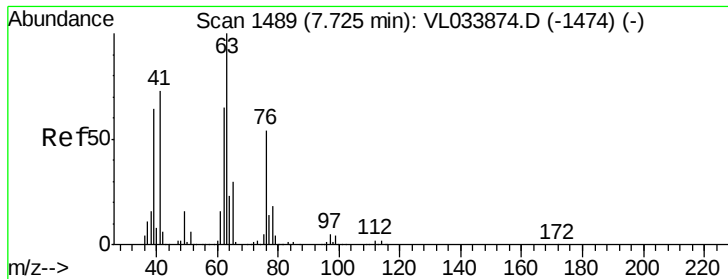
400000

200000

0

Time--> 7.90 7.95 8.00





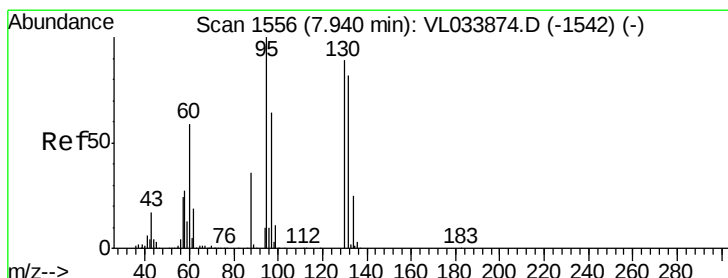
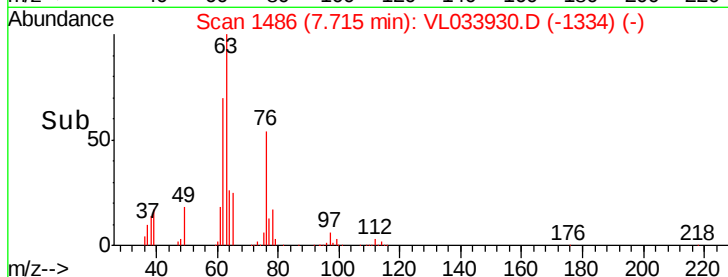
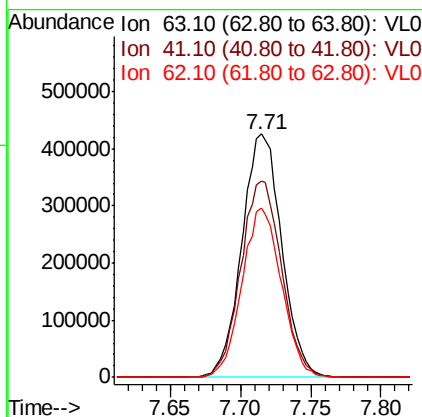
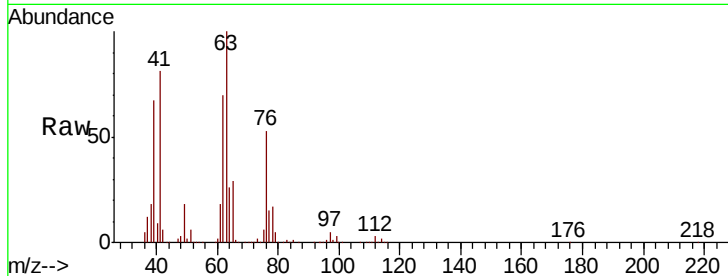
#39
 1,2-Dichloropropane
 Concen: 11.054 ppbv
 RT: 7.71 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	80.7	58.7	88.1
62	69.6	51.9	77.9

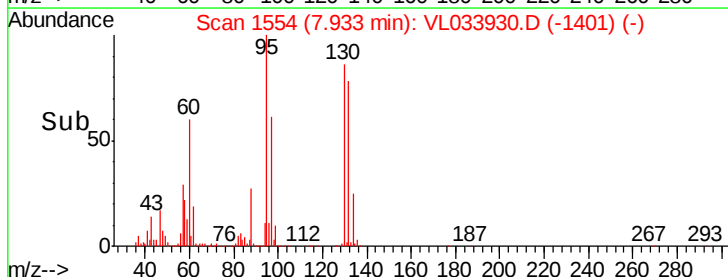
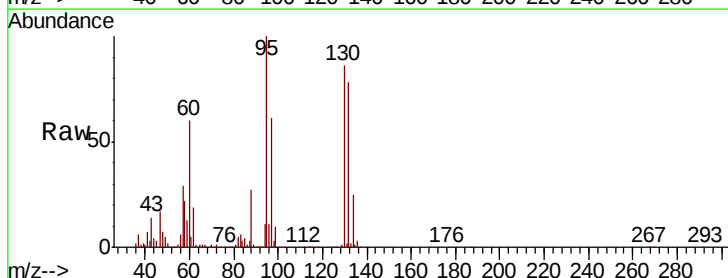
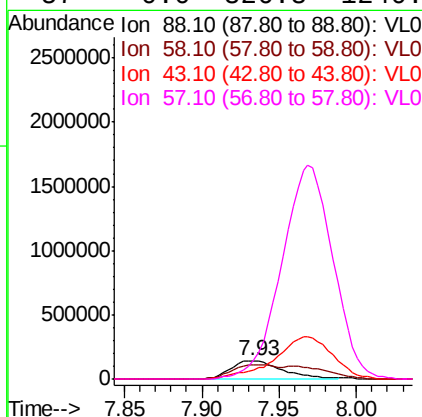
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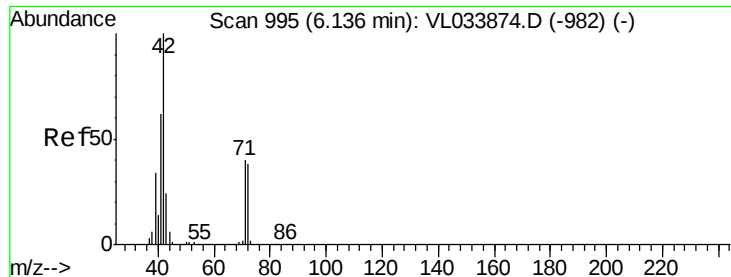
MMDadoda
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#40
 1,4-Dioxane
 Concen: 10.354 ppbv
 RT: 7.93 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	129.8	100.0	150.0
43	0.0	184.7	277.1#
57	0.0	826.8	1240.2#





#41

Tetrahydrofuran

Concen: 11.857 ppbv

RT: 6.13 min Scan# 993

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

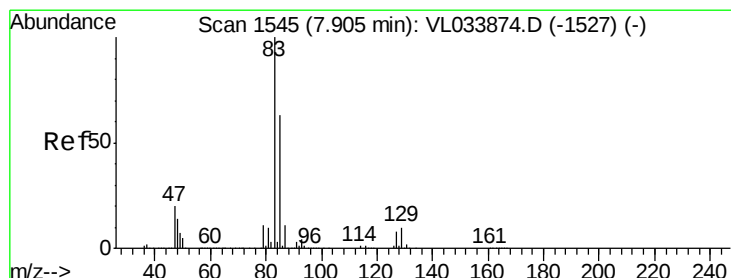
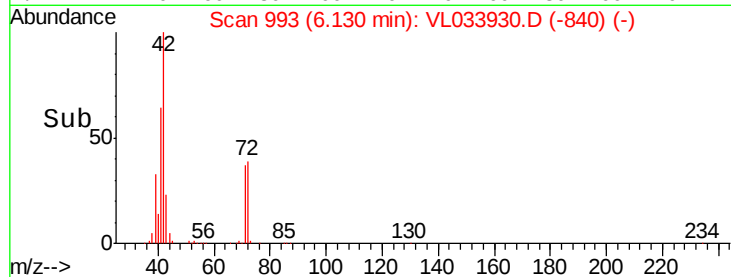
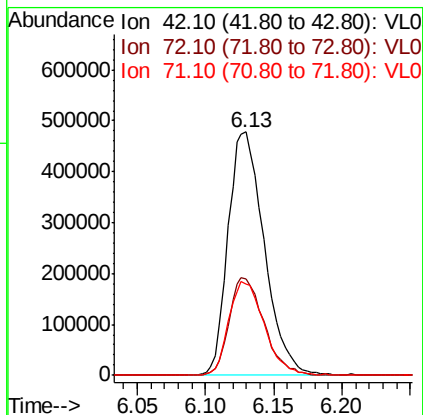
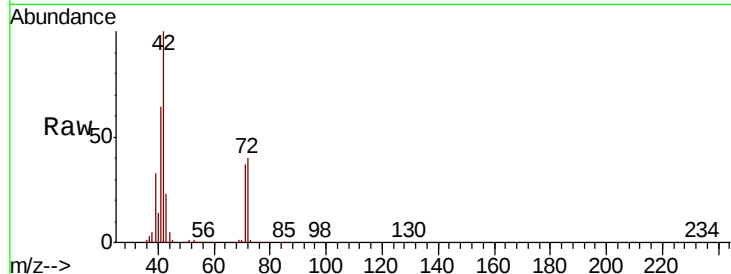
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	880112
Ion Ratio		Lower	Upper
42	100		
72	39.1	32.2	48.4
71	38.0	31.7	47.5

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.782 ppbv

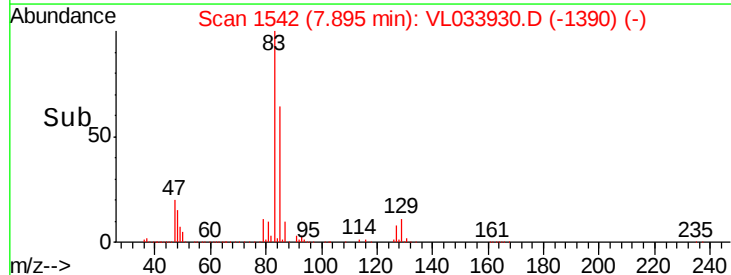
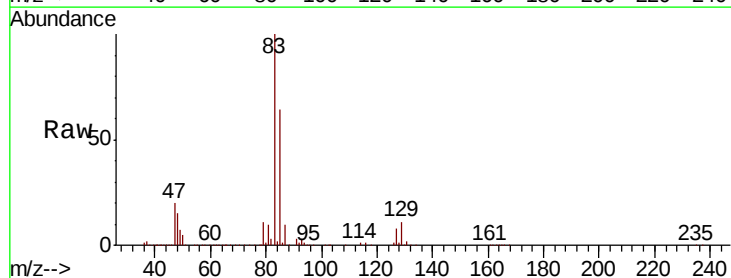
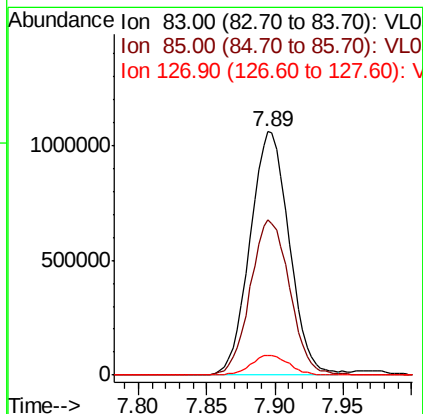
RT: 7.89 min Scan# 1542

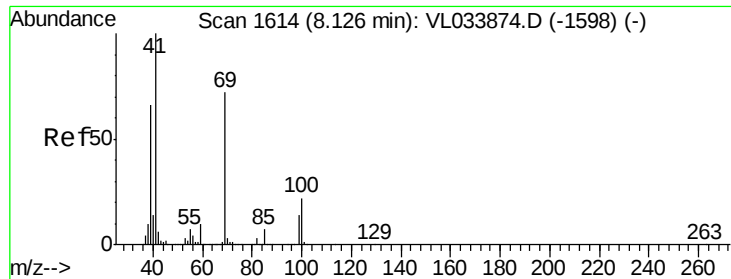
Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion:	83	Resp:	2110011
Ion Ratio		Lower	Upper
83	100		
85	63.9	50.2	75.2
127	7.9	6.5	9.7





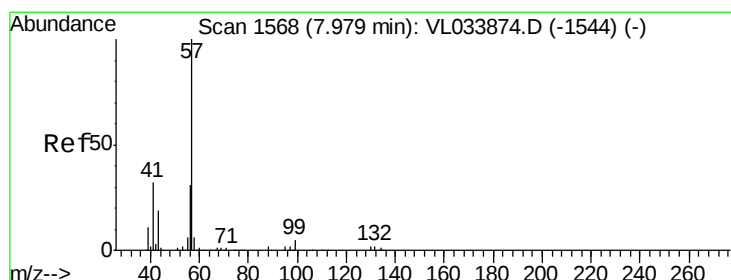
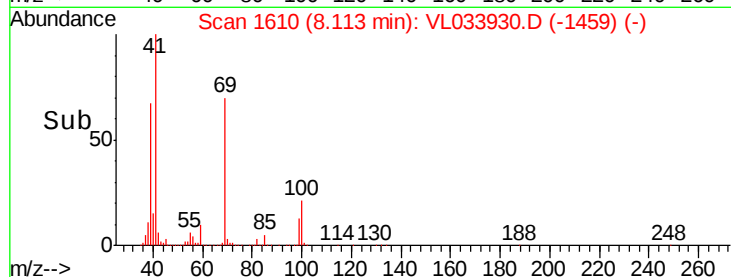
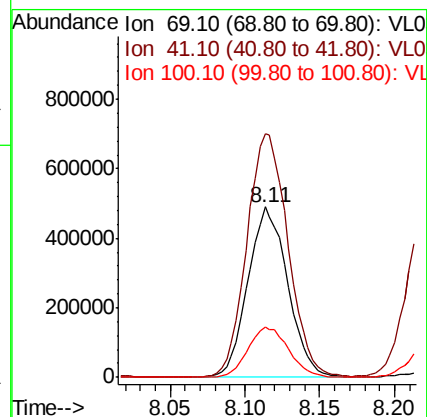
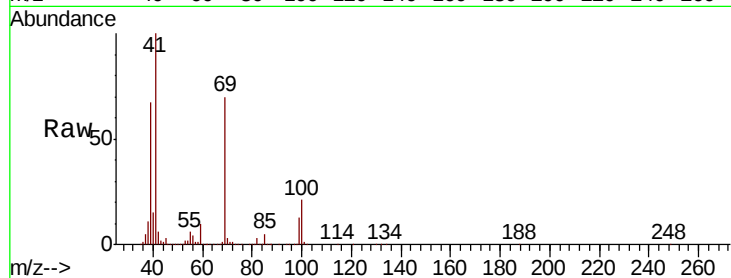
#43
Methyl Methacrylate
Concen: 12.297 ppbv
RT: 8.11 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	147.2	114.3	171.5
100	30.2	24.8	37.2

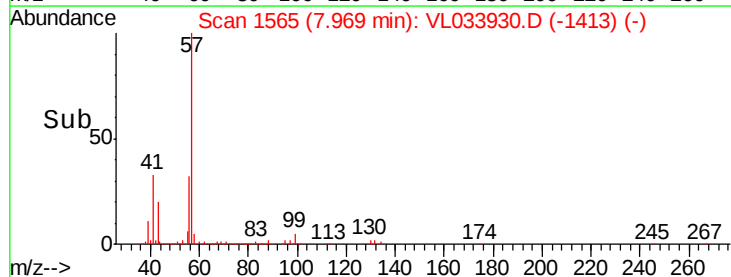
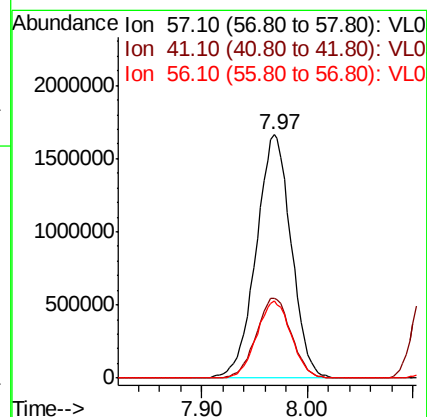
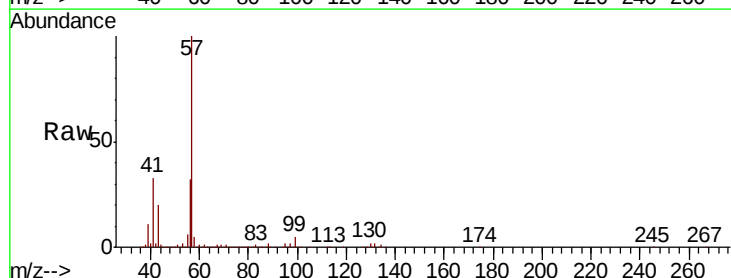
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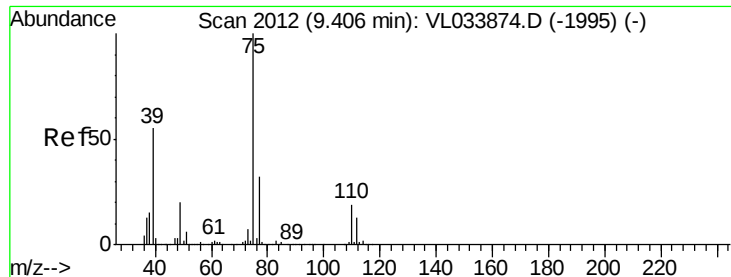
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.916 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.9	26.1	39.1
56	31.2	24.6	36.8





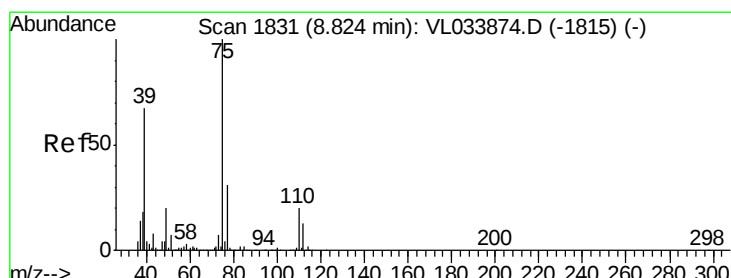
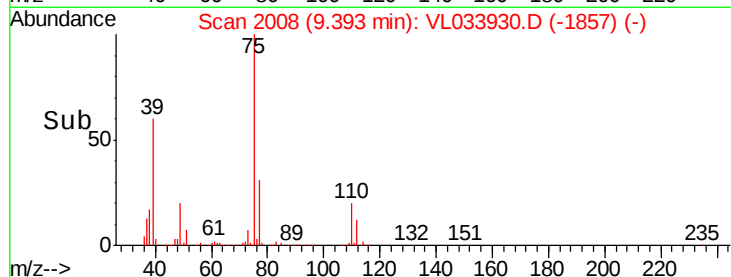
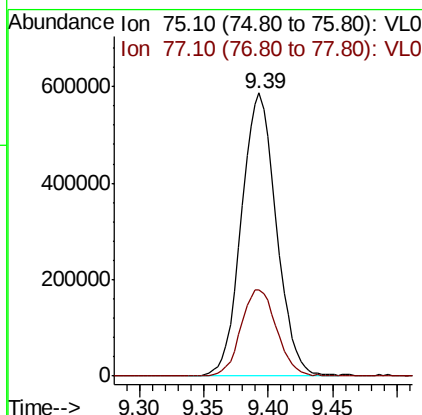
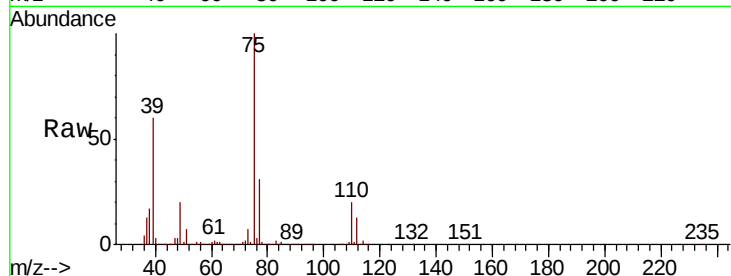
#45
t-1,3-Dichloropropene
Concen: 11.414 ppbv
RT: 9.39 min Scan# 2008
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1109136
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.2

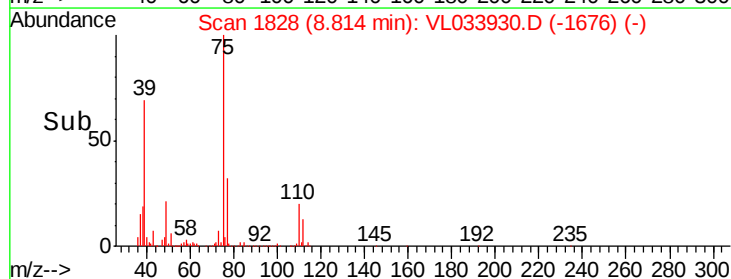
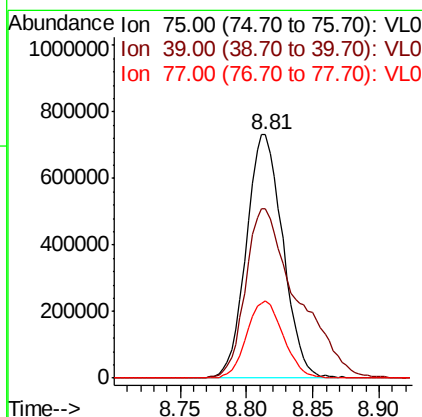
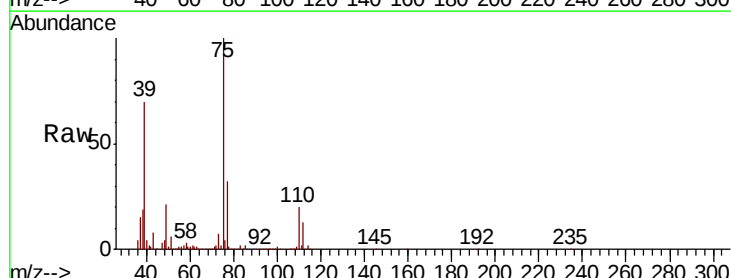
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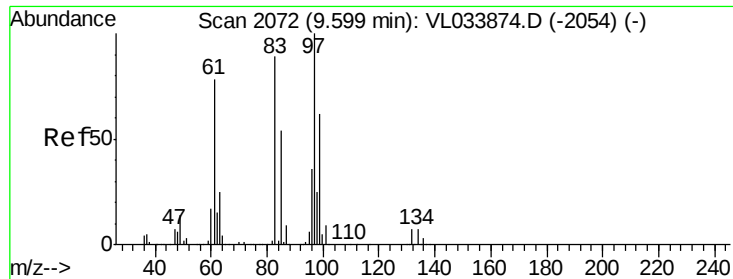
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 12.583 ppbv
RT: 8.81 min Scan# 1828
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion: 75 Resp: 1400923
Ion Ratio Lower Upper
75 100
39 69.5 53.8 80.8
77 31.8 24.6 36.8





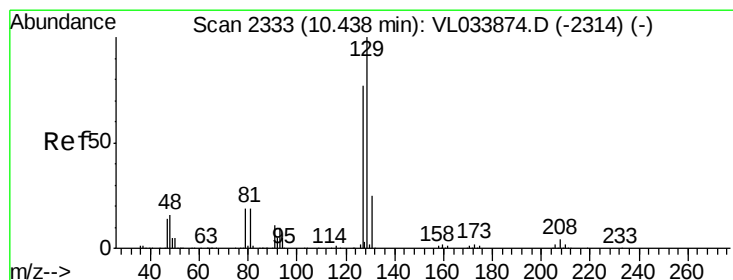
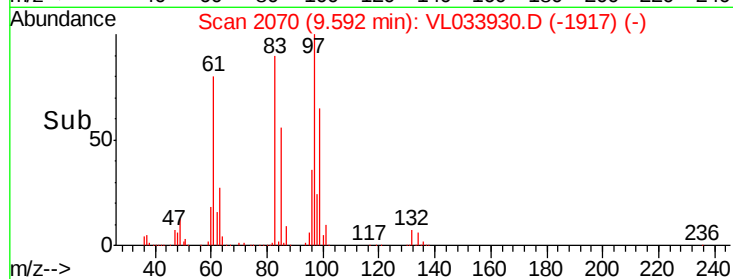
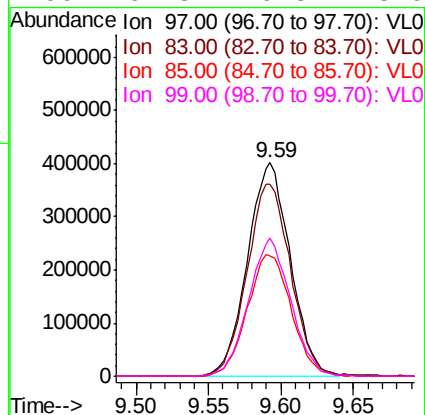
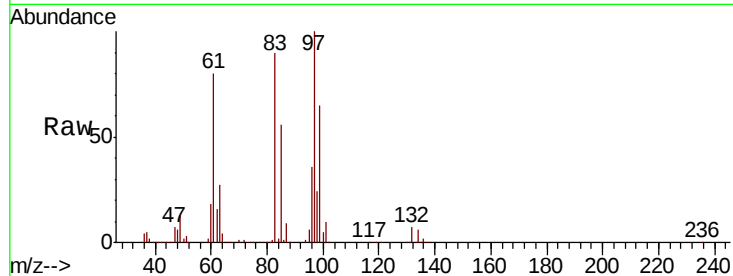
#47
 1,1,2-Trichloroethane
 Concen: 9.086 ppbv
 RT: 9.59 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.9	106.3
85	56.2	43.0	64.6
99	64.8	49.3	73.9

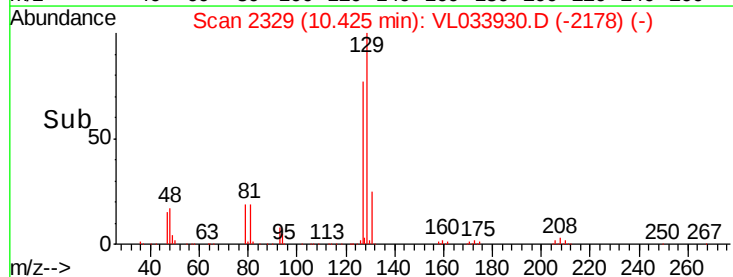
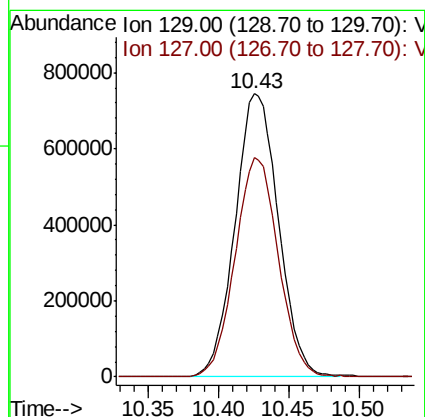
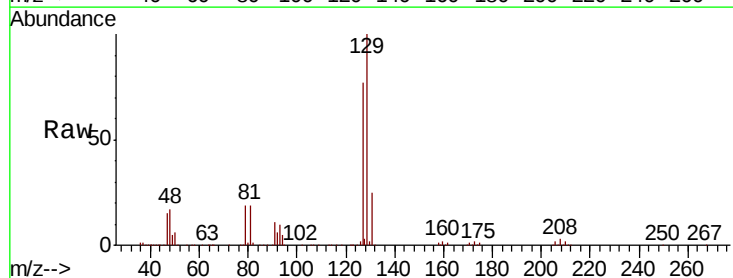
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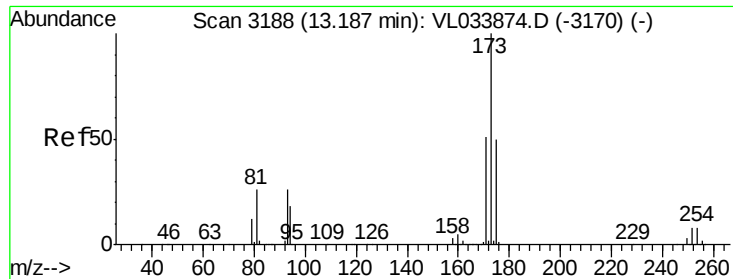
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#48
 Dibromochloromethane
 Concen: 9.798 ppbv
 RT: 10.43 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.7





#49

Bromoform

Concen: 11.352 ppbv

RT: 13.18 min Scan# 3185

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1640793

Ion Ratio Lower Upper

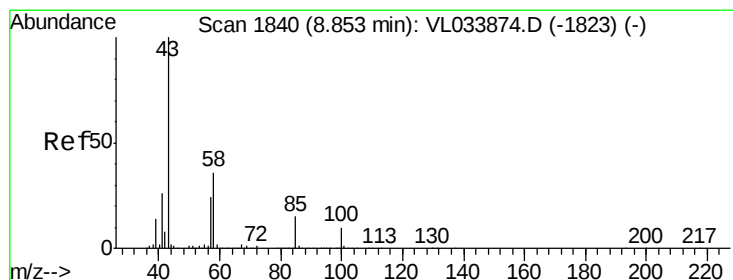
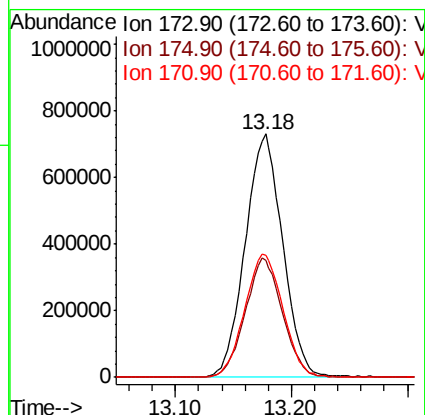
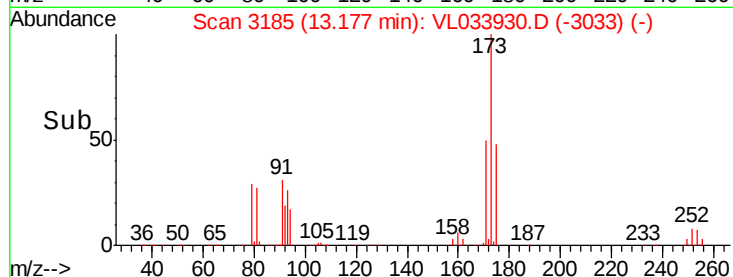
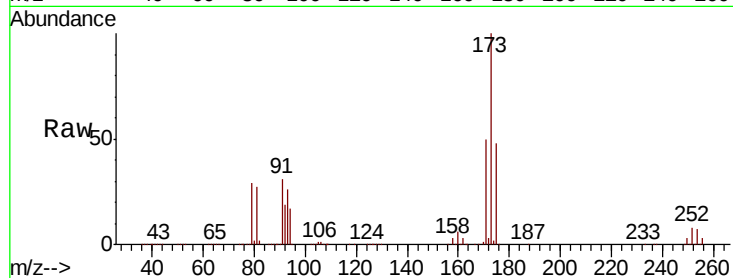
173 100

175 48.9 39.6 59.4

171 51.9 41.8 62.8

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#50

4-Methyl-2-Pentanone

Concen: 11.558 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VL033930.D

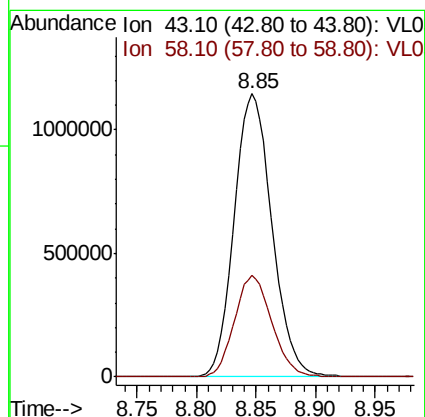
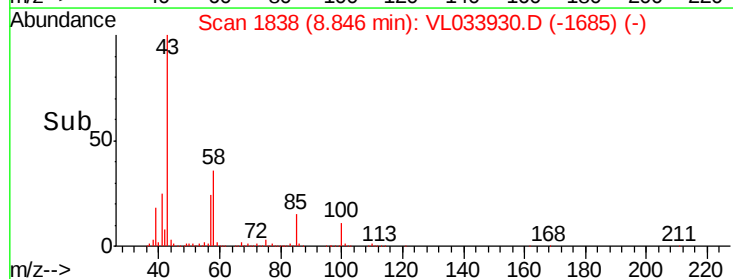
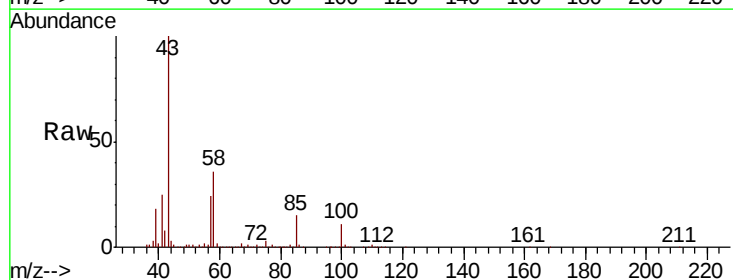
Acq: 24 Jun 2019 9:18

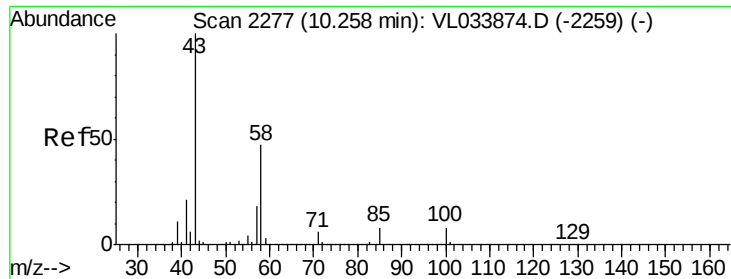
Tgt Ion: 43 Resp: 2520525

Ion Ratio Lower Upper

43 100

58 35.5 28.6 42.8





#51

2-Hexanone

Concen: 10.865 ppbv

RT: 10.25 min Scan# 2274

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1850251

Ion Ratio Lower Upper

43 100

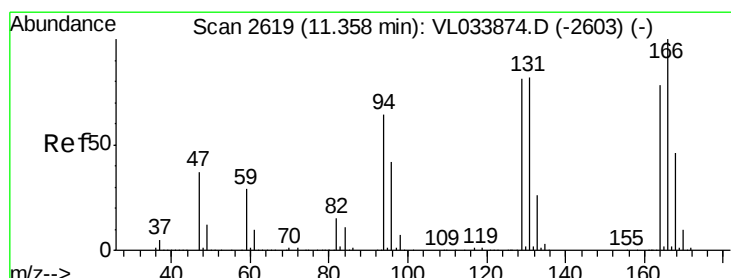
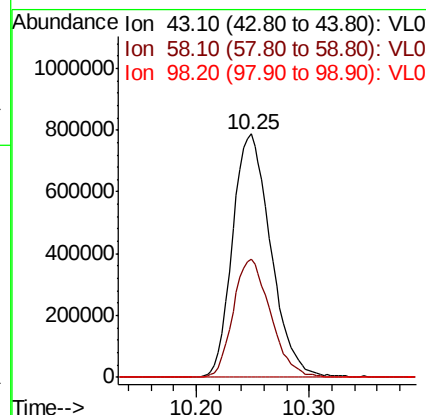
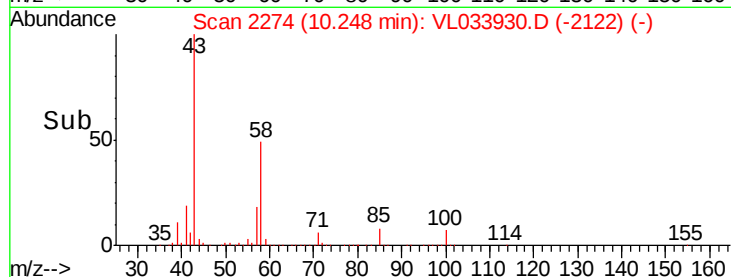
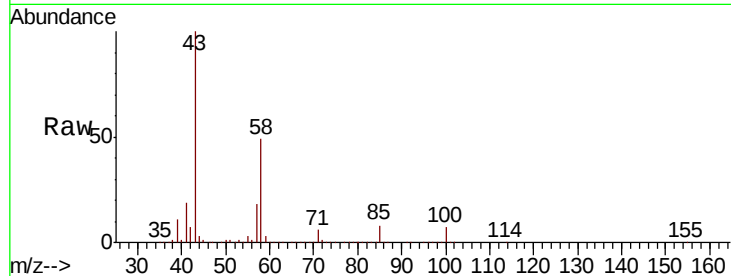
58 47.4 38.2 57.4

98 0.4 0.2 0.2#

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#52

Tetrachloroethene

Concen: 11.886 ppbv

RT: 11.34 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion: 164 Resp: 828200

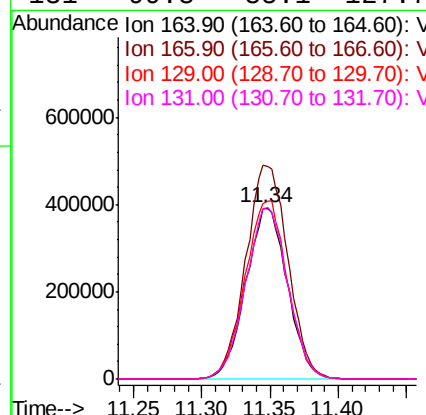
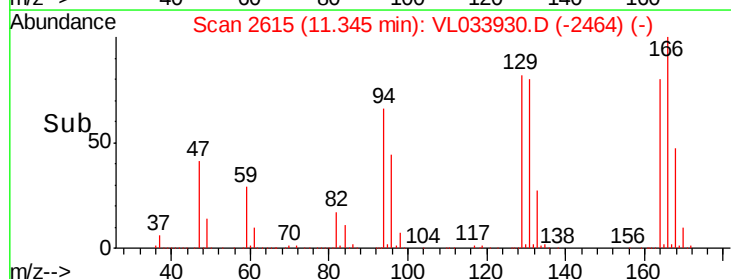
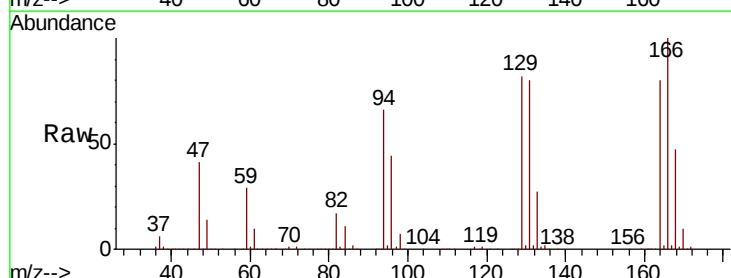
Ion Ratio Lower Upper

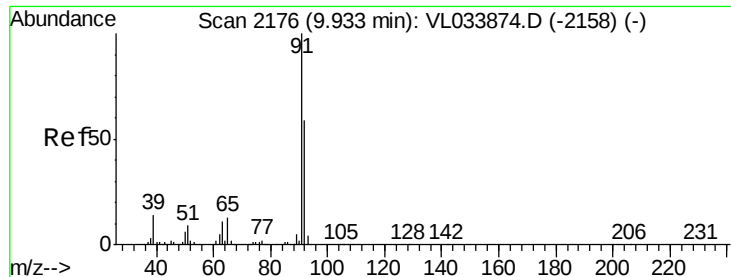
164 100

166 124.8 103.1 154.7

129 102.5 83.9 125.9

131 99.8 85.1 127.7





#53

Toluene

Concen: 10.664 ppbv

RT: 9.92 min Scan# 2172

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2336878

Ion Ratio Lower Upper

91 100

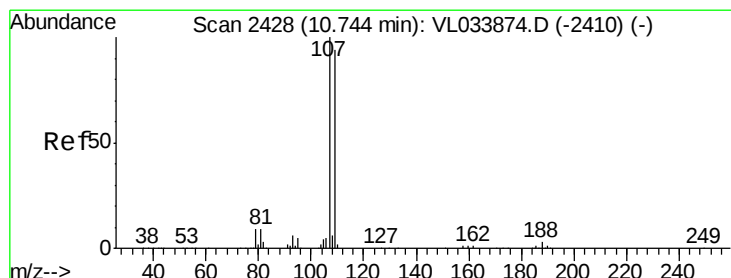
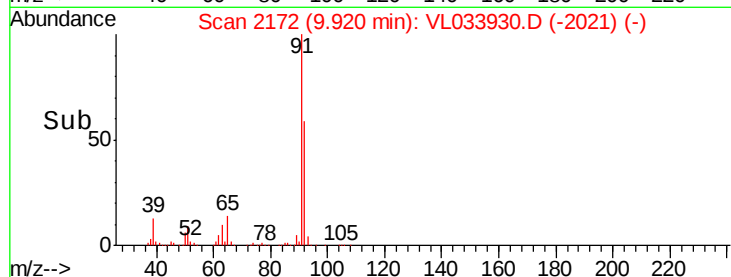
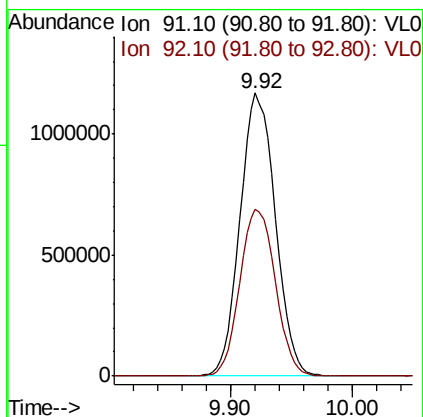
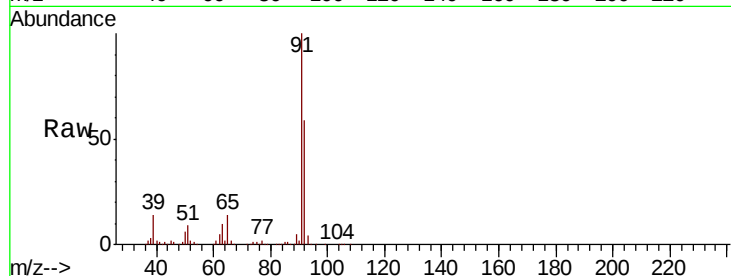
92 59.7 47.0 70.6

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#54

1,2-Dibromoethane

Concen: 9.747 ppbv

RT: 10.73 min Scan# 2425

Delta R.T. -0.01 min

Lab File: VL033930.D

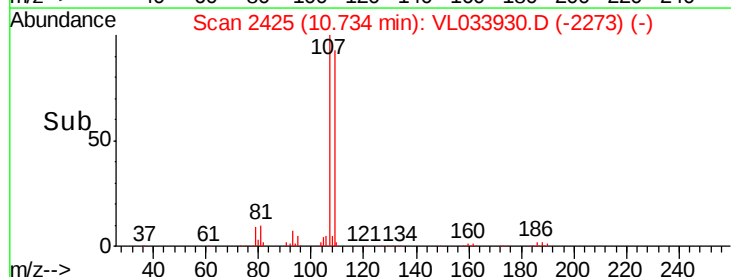
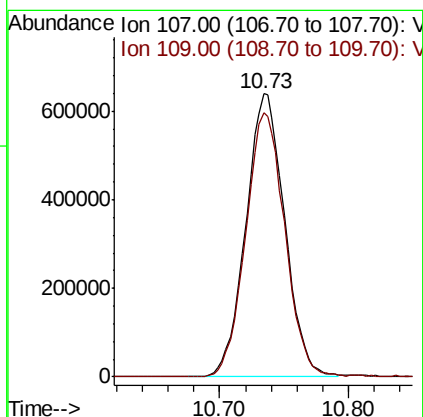
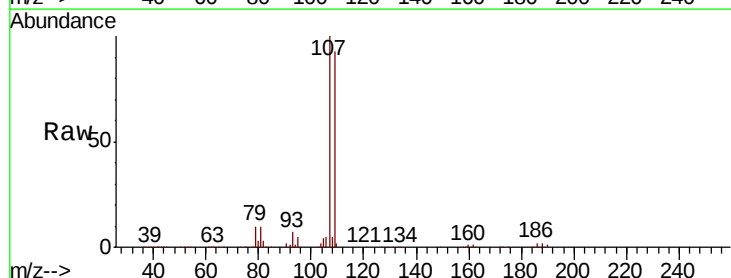
Acq: 24 Jun 2019 9:18

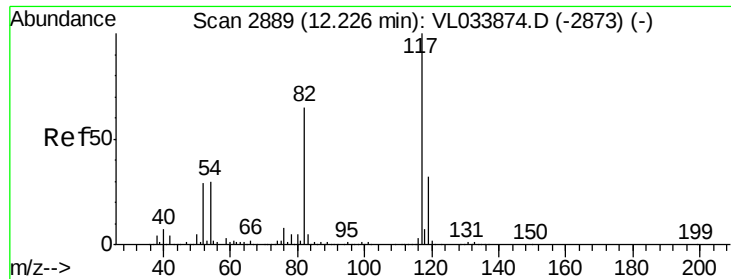
Tgt Ion: 107 Resp: 1338705

Ion Ratio Lower Upper

107 100

109 93.1 74.9 112.3





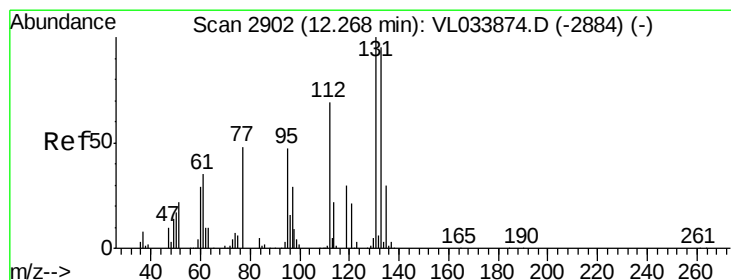
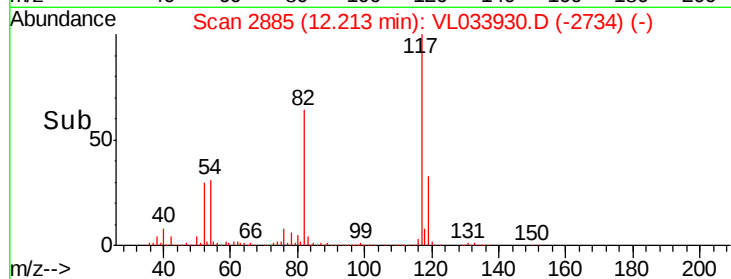
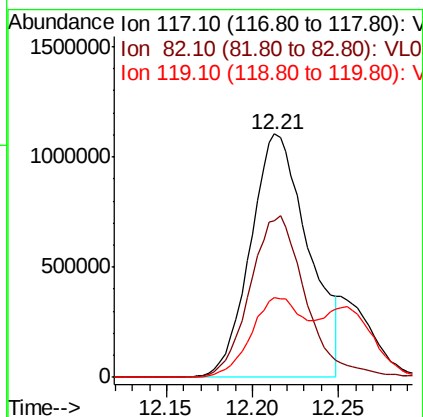
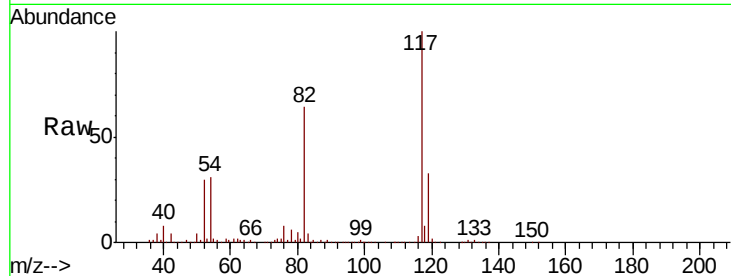
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.21 min Scan# 2885
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2589727
Ion Ratio Lower Upper
117 100
82 64.4 50.2 75.2
119 30.7 24.8 37.2

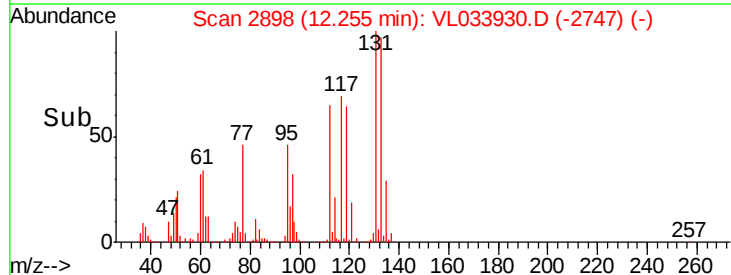
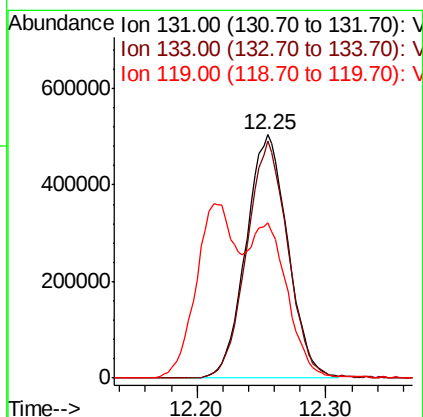
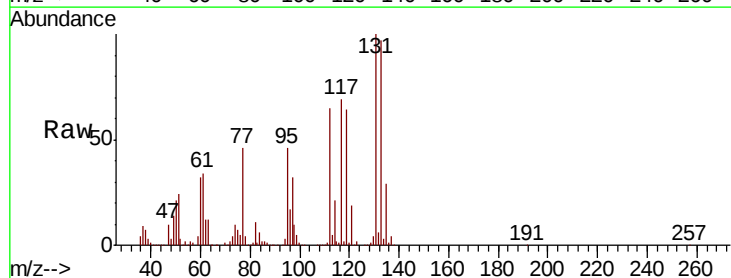
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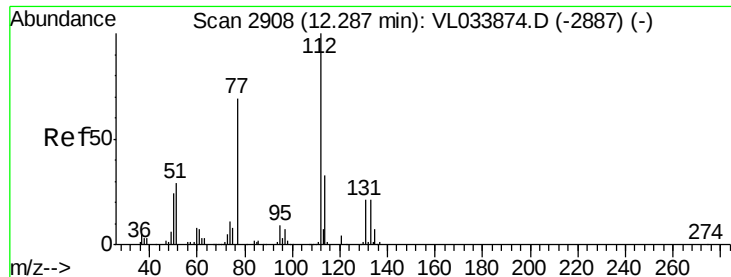
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.070 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion:131 Resp: 1139191
Ion Ratio Lower Upper
131 100
133 96.3 76.5 114.7
119 53.7 42.6 64.0





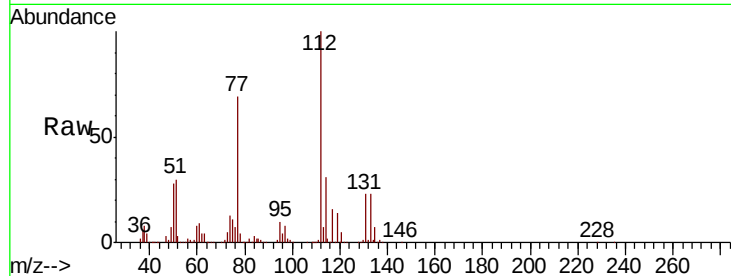
#57
Chlorobenzene
Concen: 10.135 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.5	55.8	83.6
114	31.2	29.8	36.4

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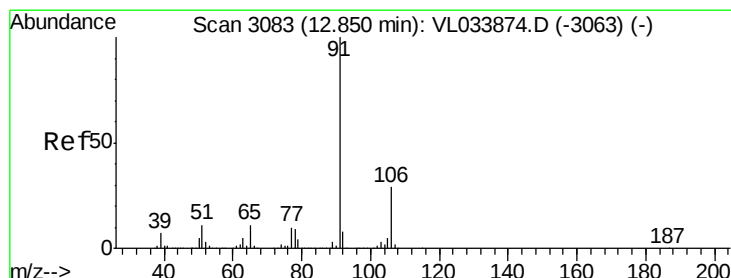
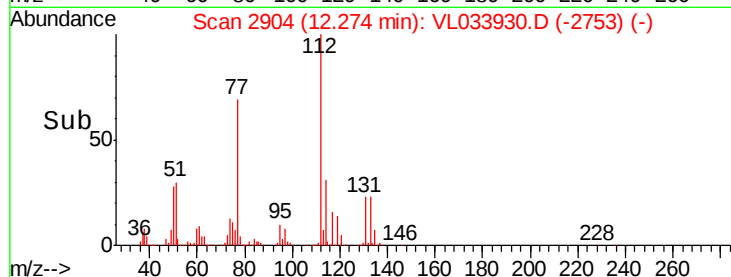
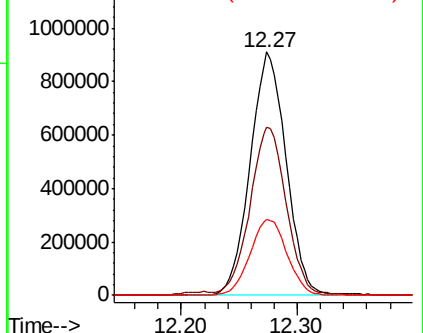


Abundance

Ion 112.10 (111.80 to 112.80): V

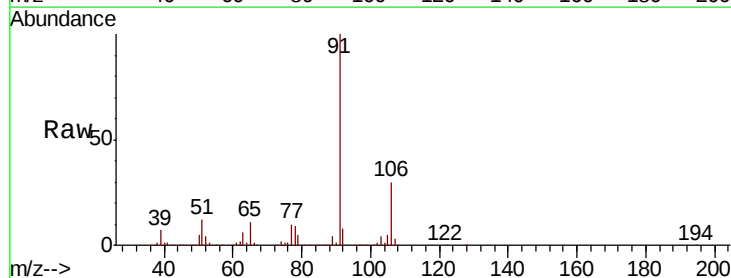
Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58
Ethyl Benzene
Concen: 11.145 ppbv
RT: 12.84 min Scan# 3079
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

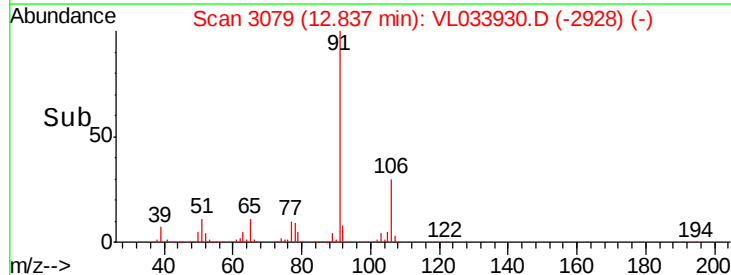
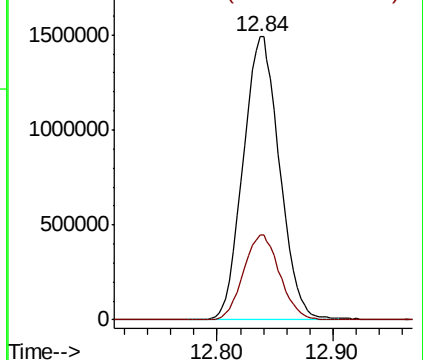
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.0	34.6

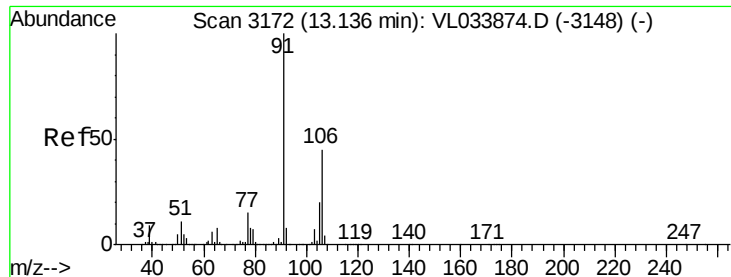


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





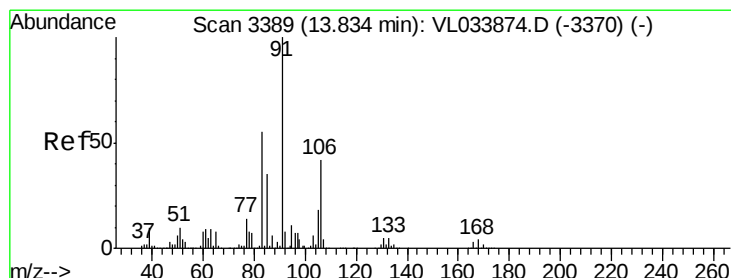
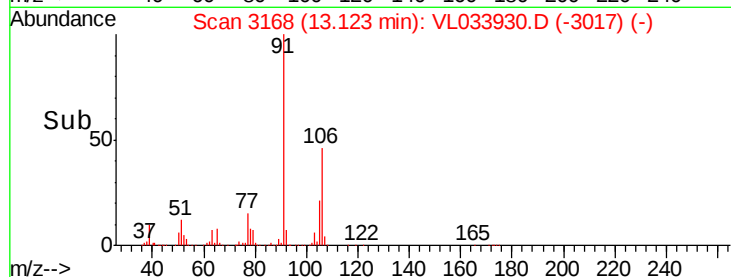
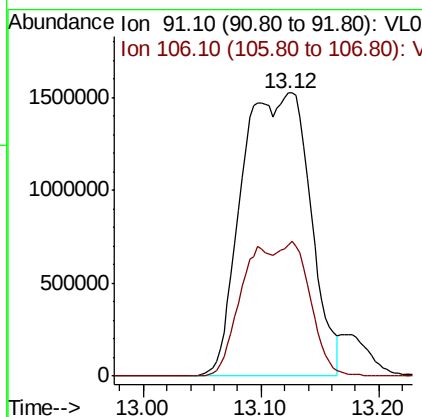
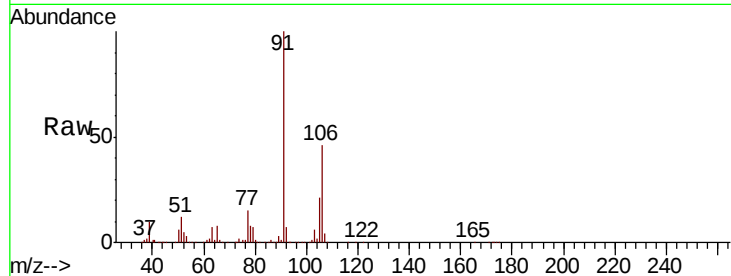
#59
m/p-Xylene
Concen: 23.046 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 6119072
Ion Ratio Lower Upper
91 100
106 45.5 35.8 53.8

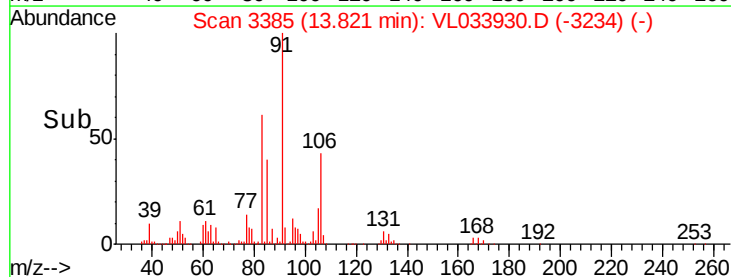
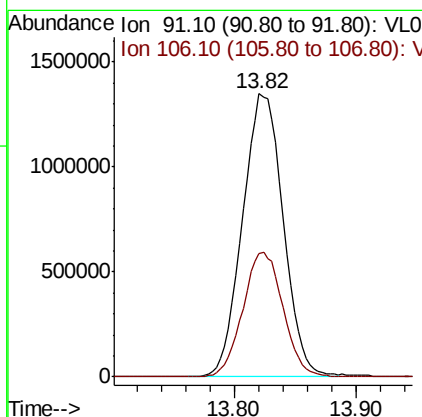
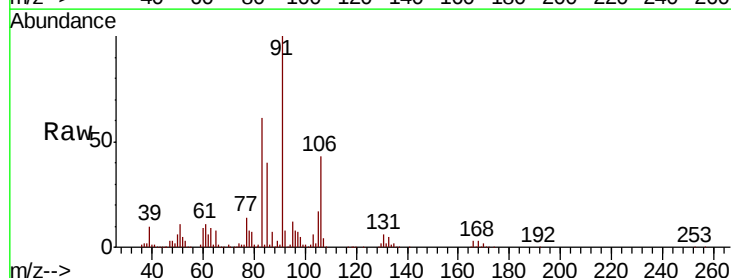
Manual Integrations
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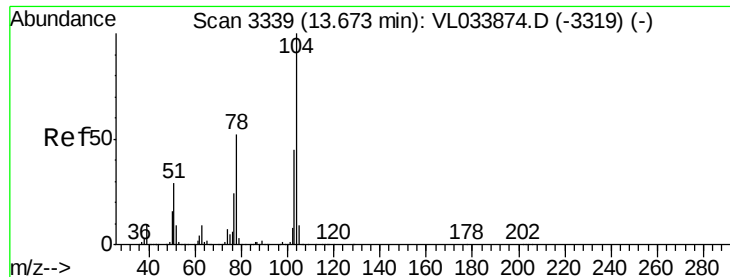
MMDadoda
6/26/2019 8:15:29 AM



#60
o-Xylene
Concen: 11.342 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion: 91 Resp: 3109300
Ion Ratio Lower Upper
91 100
106 43.7 21.7 65.1





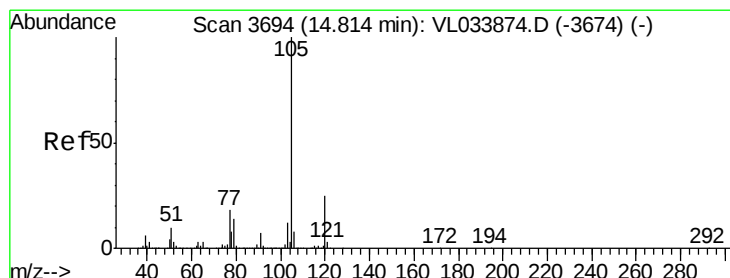
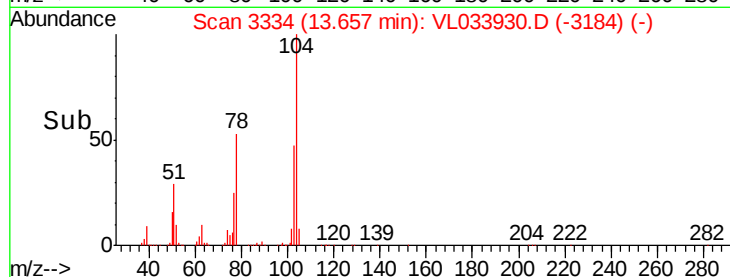
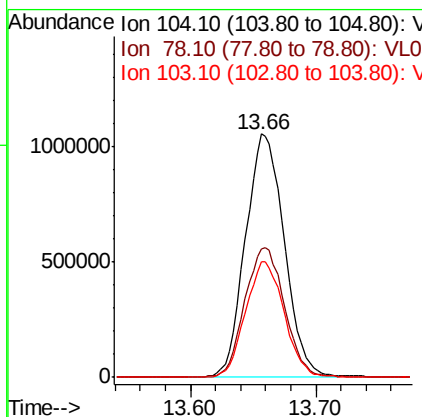
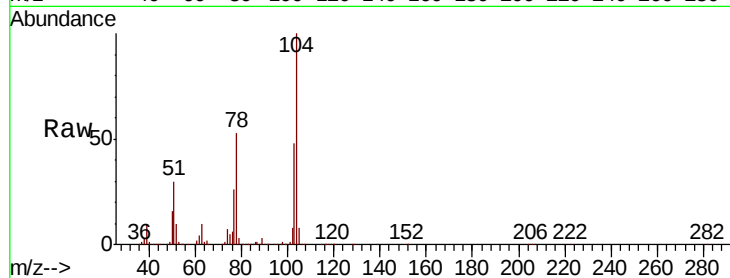
#61
Stvrene
Concen: 12.837 ppbv
RT: 13.66 min Scan# 3334
Delta R.T. -0.02 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.4	65.0
103	47.5	37.6	56.4

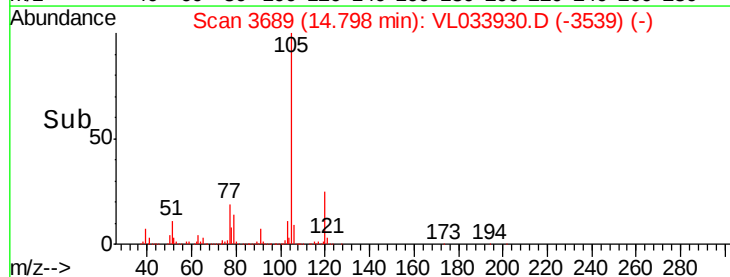
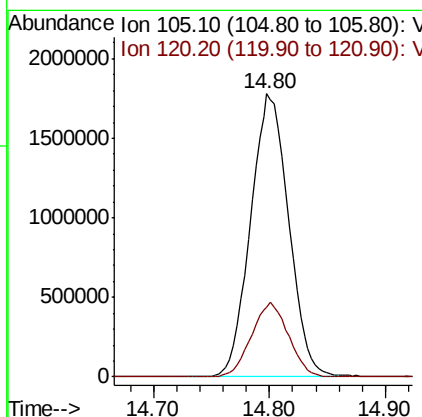
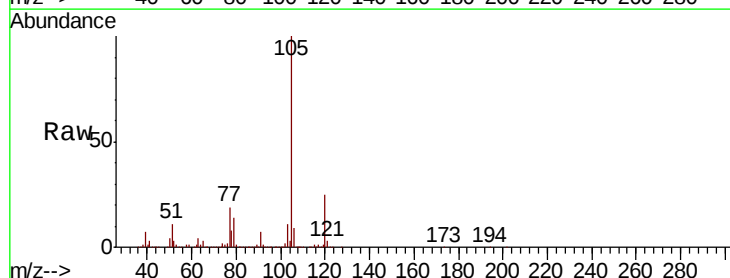
Manual Integrations
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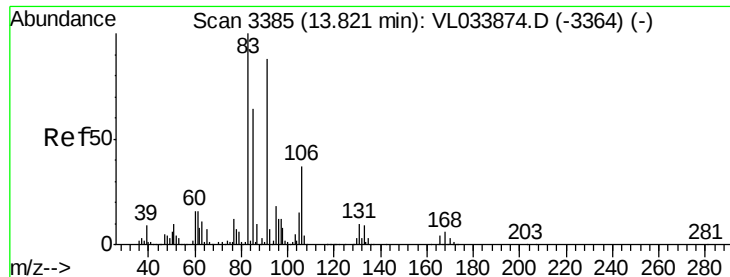
MMDadoda
6/26/2019 8:15:29 AM



#62
Isopropylbenzene
Concen: 10.999 ppbv
RT: 14.80 min Scan# 3689
Delta R.T. -0.02 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.3	30.5





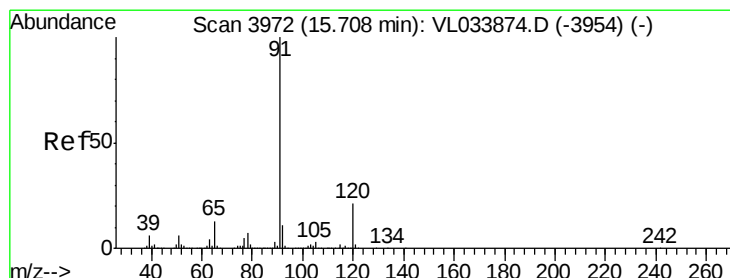
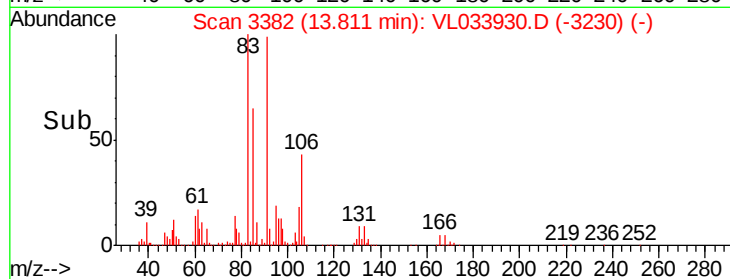
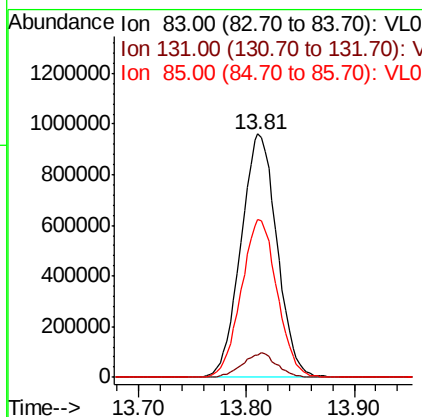
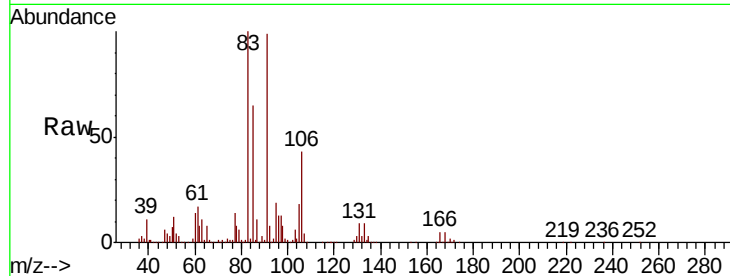
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.794 ppbv
 RT: 13.81 min Scan# 3382
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	2227472
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	64.6	32.1	96.3

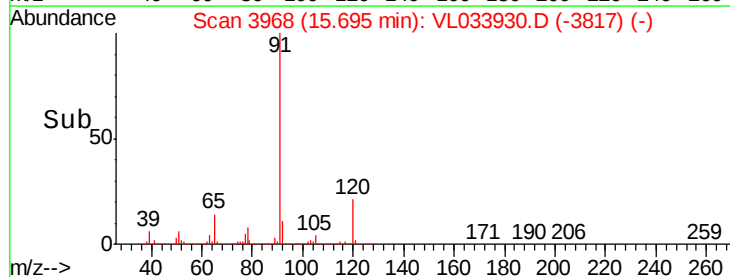
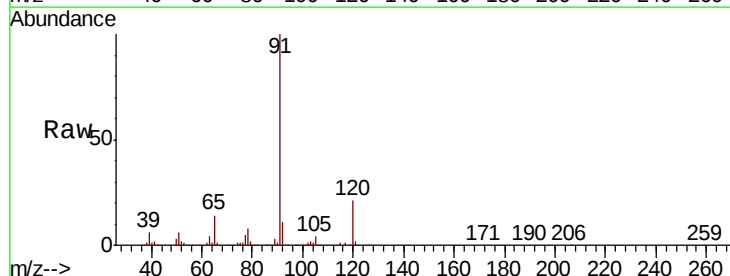
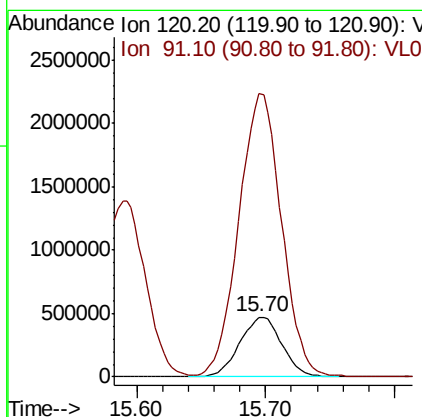
Manual Integrations
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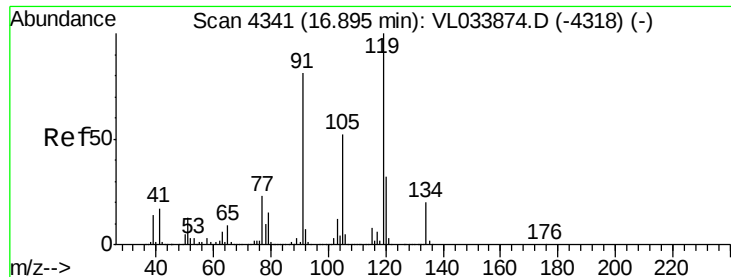
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 6/26/2019 8:15:29 AM



#64
 n-propylbenzene
 Concen: 11.327 ppbv
 RT: 15.70 min Scan# 3968
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion	120	Resp	1071773
Ion Ratio	100	Lower	Upper
120	100		
91	481.8	387.0	580.6





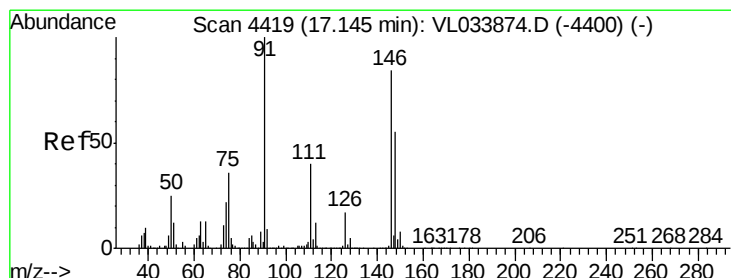
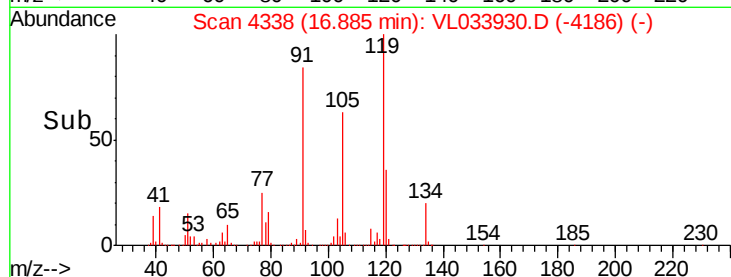
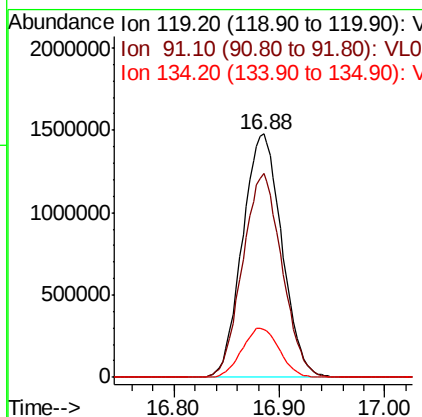
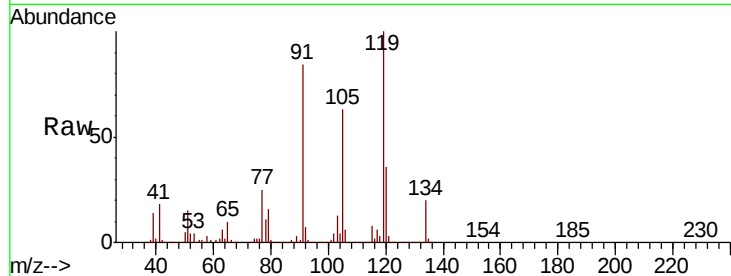
#65
tert-Butylbenzene
Concen: 11.210 ppbv
RT: 16.88 min Scan# 4338
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 119 Resp: 3832281
Ion Ratio Lower Upper
119 100
91 83.9 66.6 100.0
134 19.3 15.5 23.3

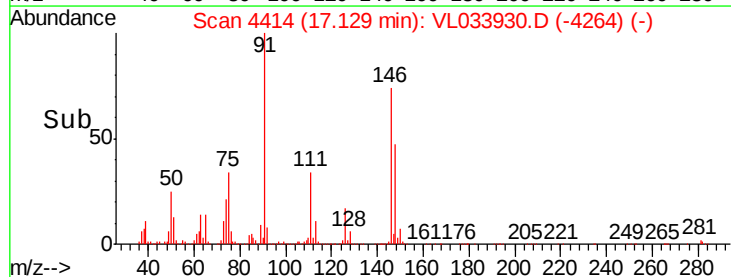
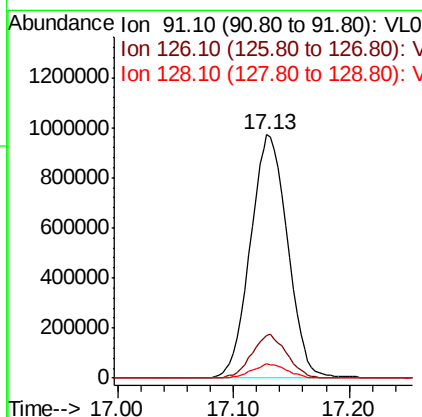
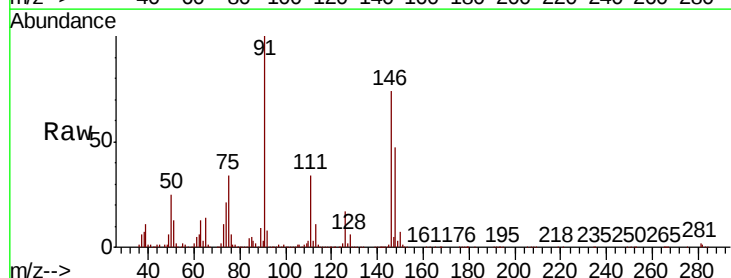
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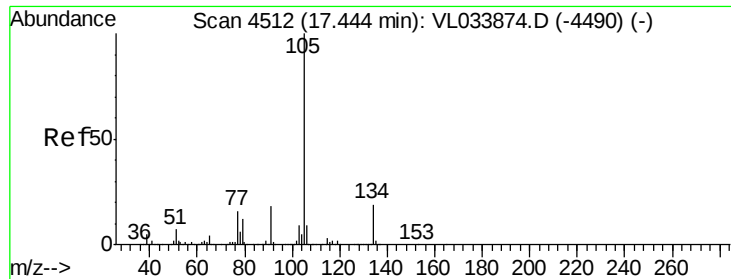
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#66
Benzyl Chloride
Concen: 12.497 ppbv
RT: 17.13 min Scan# 4414
Delta R.T. -0.02 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion: 91 Resp: 2165149
Ion Ratio Lower Upper
91 100
126 17.2 13.8 20.6
128 5.5 4.4 6.6





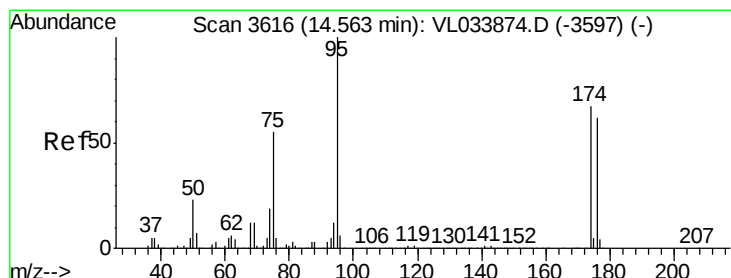
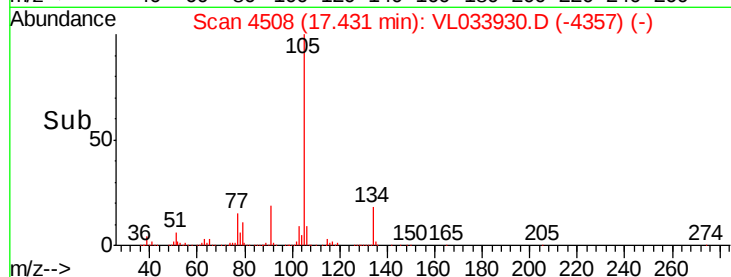
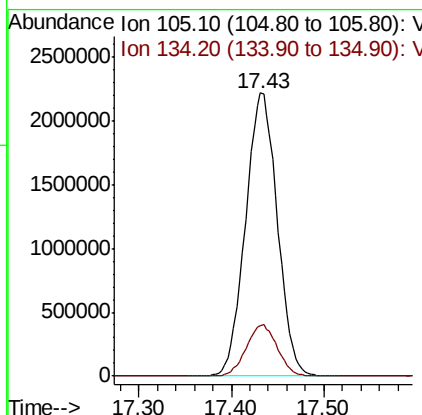
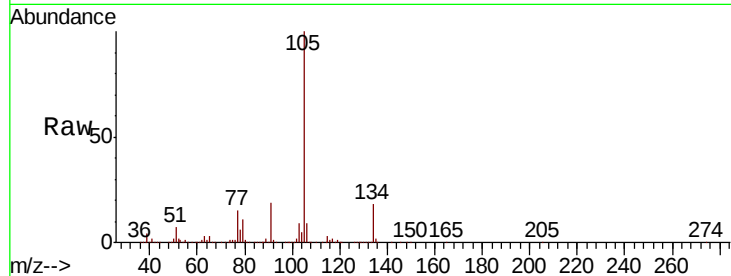
#67
 sec-Butylbenzene
 Concen: 11.002 ppbv
 RT: 17.43 min Scan# 4508
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Tot Ion:105 Resp: 5276684
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.6 22.0

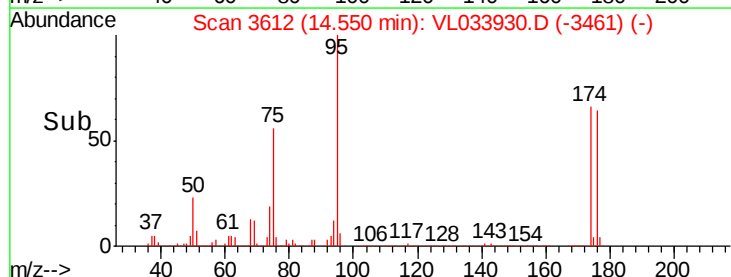
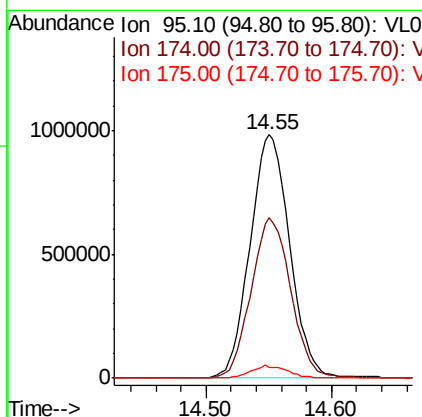
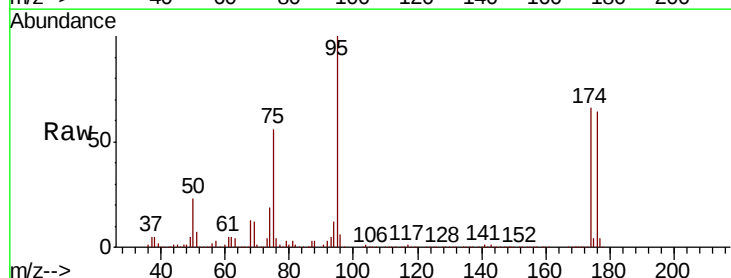
Manual Integrations
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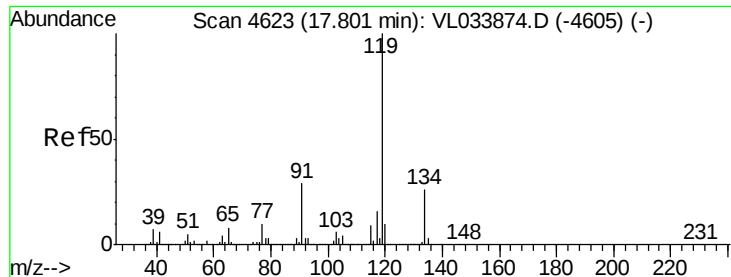
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.145 ppbv
 RT: 14.55 min Scan# 3612
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion: 95 Resp: 2158015
 Ion Ratio Lower Upper
 95 100
 174 66.5 54.0 81.0
 175 4.8 3.8 5.8





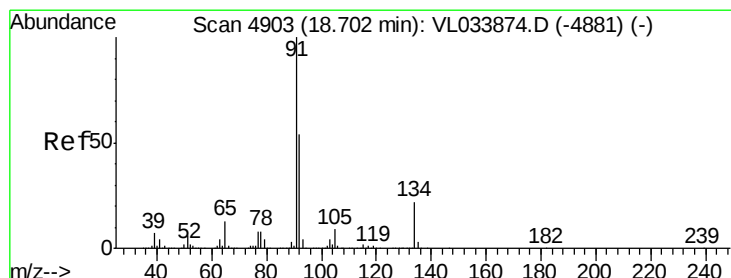
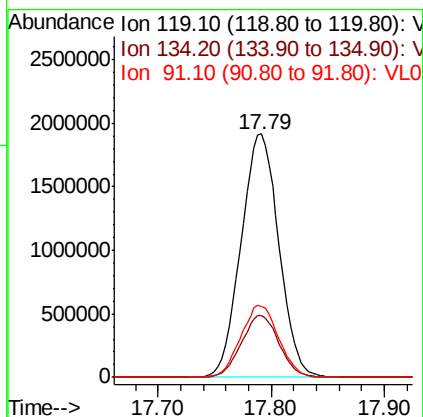
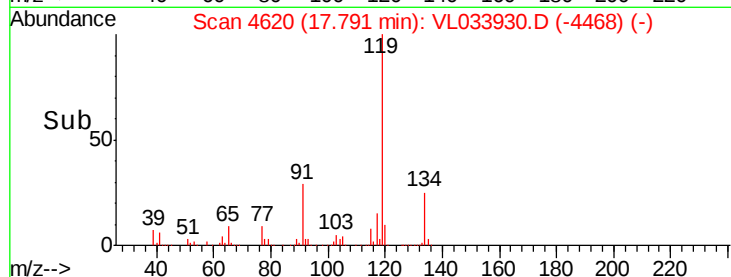
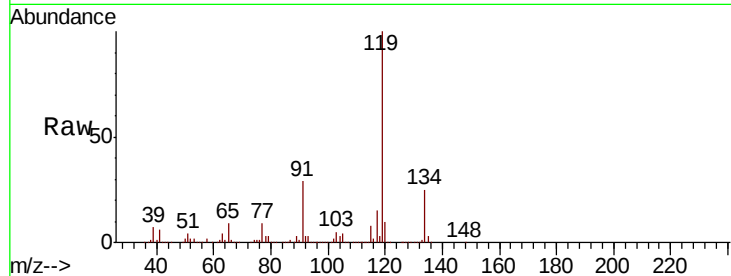
#69
 p-Isopropyltoluene
 Concen: 11.140 ppbv
 RT: 17.79 min Scan# 4620
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	29.7	23.8	35.6

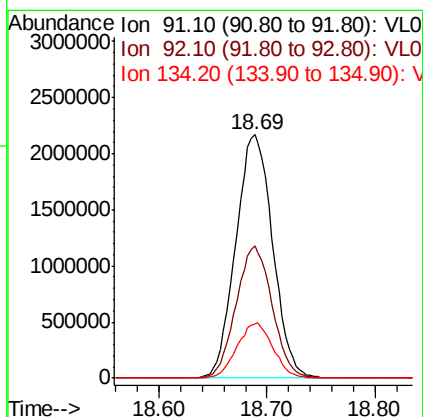
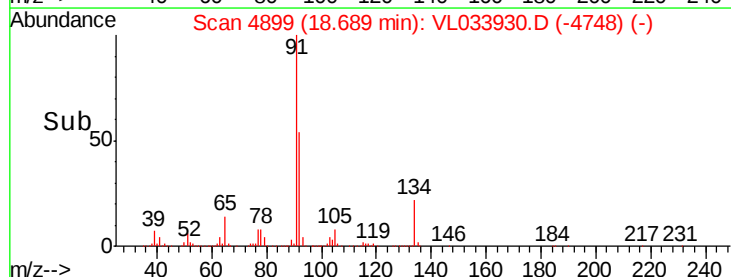
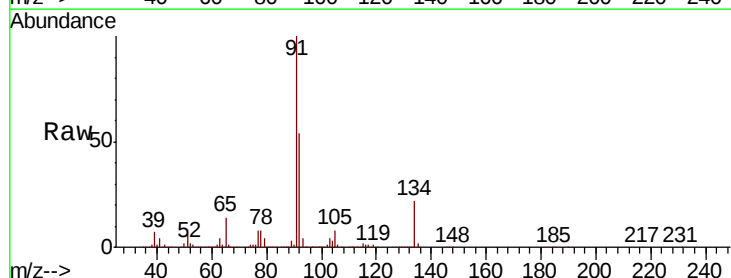
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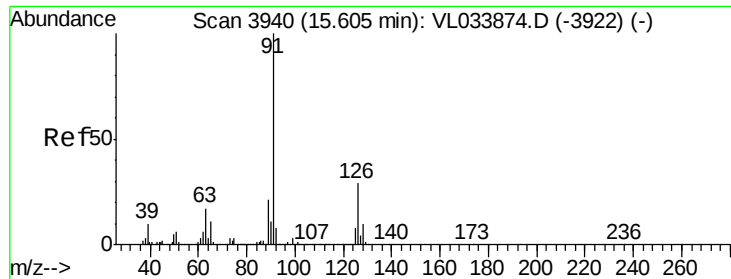
MMDadoda
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#70
 n-Butylbenzene
 Concen: 11.729 ppbv
 RT: 18.69 min Scan# 4899
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.5	63.7
134	22.1	17.8	26.6





#71

2-Chlorotoluene

Concen: 11.673 ppbv

RT: 15.59 min Scan# 3935

Delta R.T. -0.02 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3177290

Ion Ratio Lower Upper

91 100

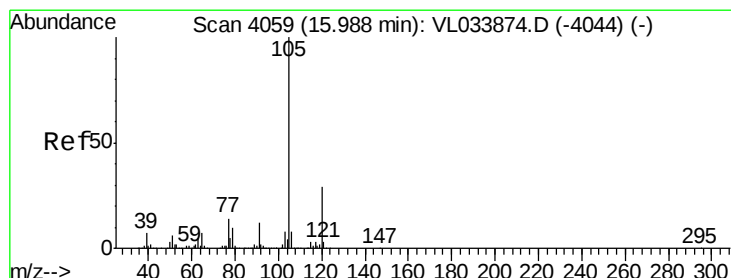
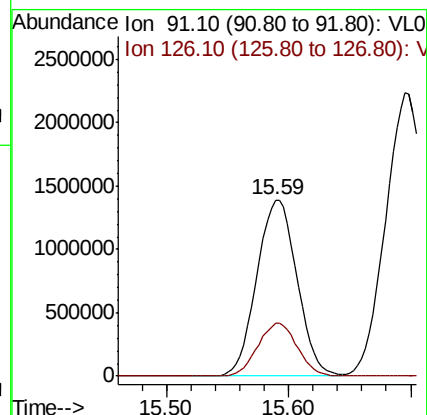
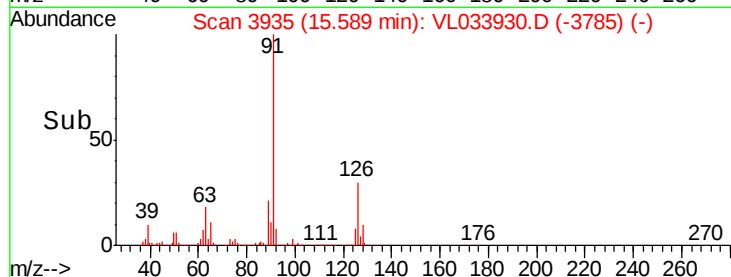
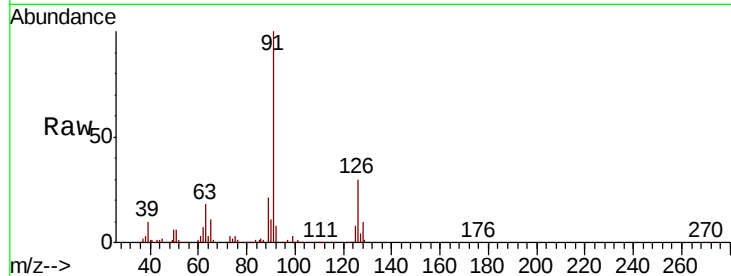
126 29.8 12.0 48.2

Manual Integrations

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#72

4-Ethyltoluene

Concen: 11.704 ppbv

RT: 15.97 min Scan# 4055

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion:105 Resp: 3651165

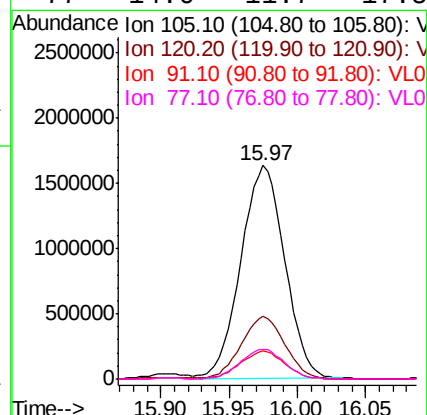
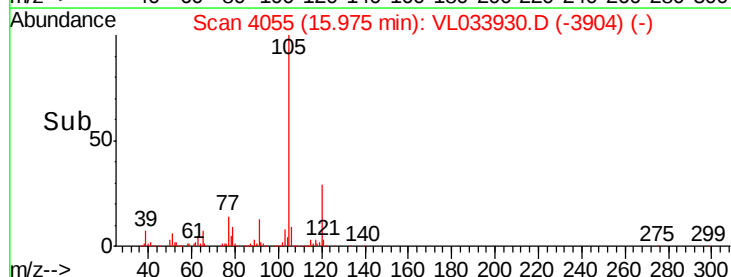
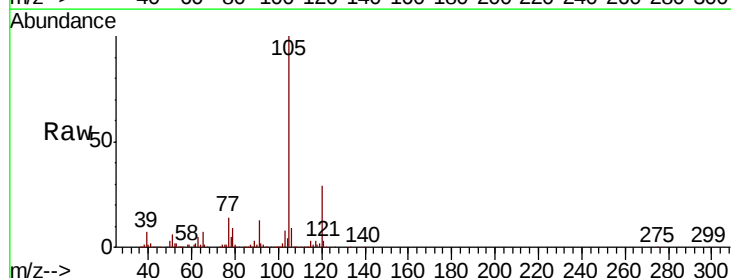
Ion Ratio Lower Upper

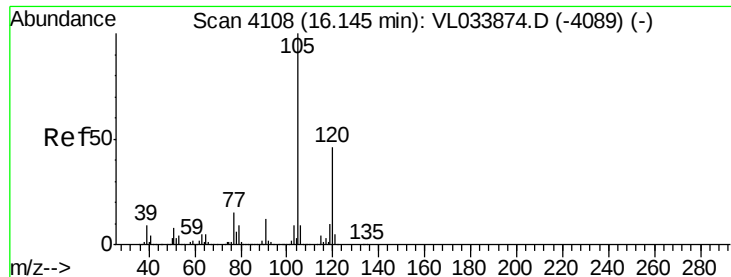
105 100

120 29.2 23.5 35.3

91 13.3 10.4 15.6

77 14.6 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 11.410 ppbv

RT: 16.13 min Scan# 4104

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 3506161

Ion Ratio Lower Upper

105 100

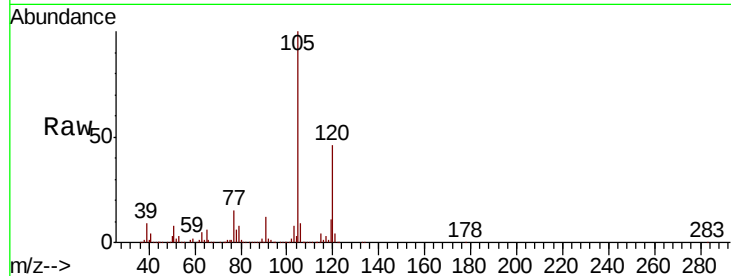
120 46.5 37.1 55.7

Manual Integrations

APPROVED

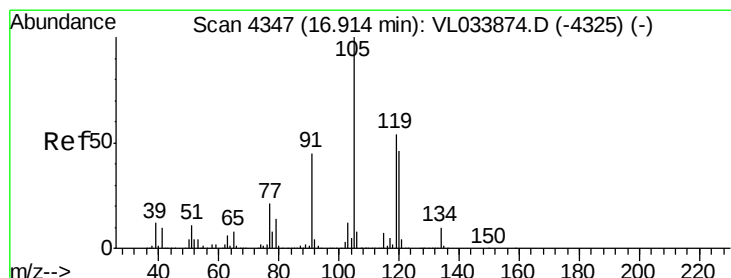
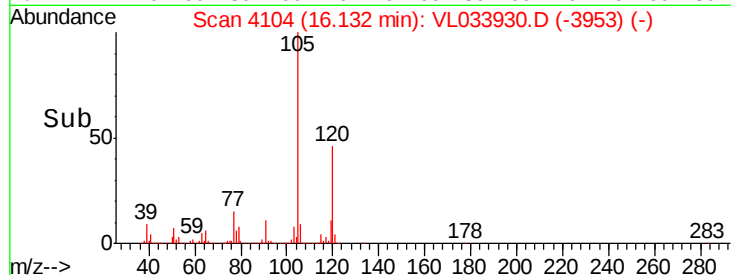
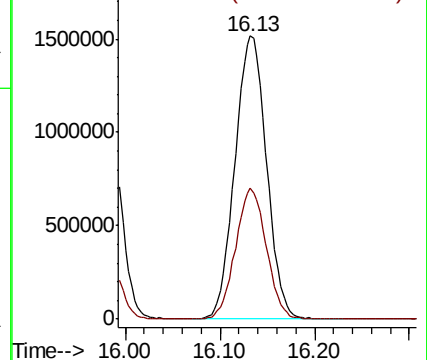
MMDadoda

6/26/2019 8:15:29 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.636 ppbv

RT: 16.90 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion:105 Resp: 3766862

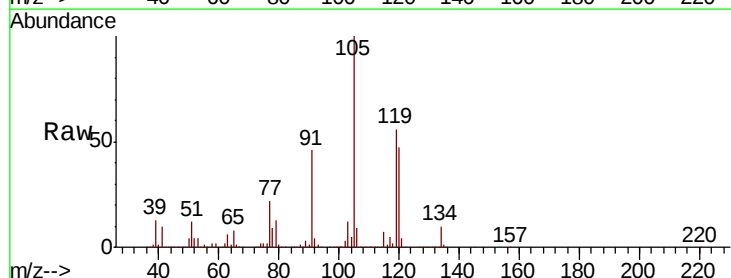
Ion Ratio Lower Upper

105 100

120 46.5 36.7 55.1

91 46.1 35.8 53.8

77 22.0 16.9 25.3

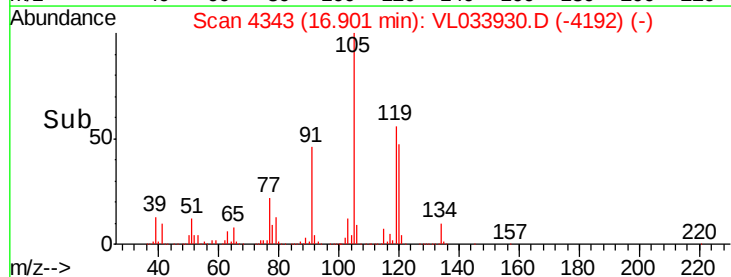
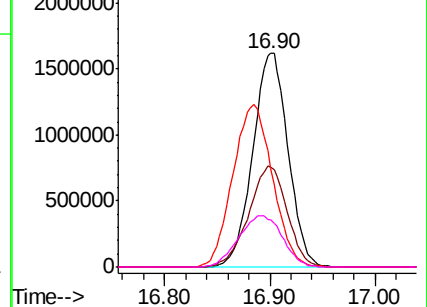


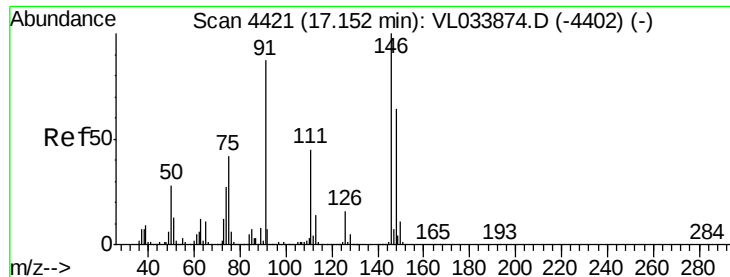
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.779 ppbv

RT: 17.14 min Scan# 4417

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2169029

Ion Ratio Lower Upper

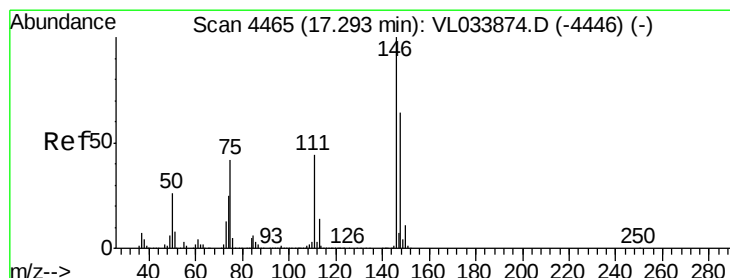
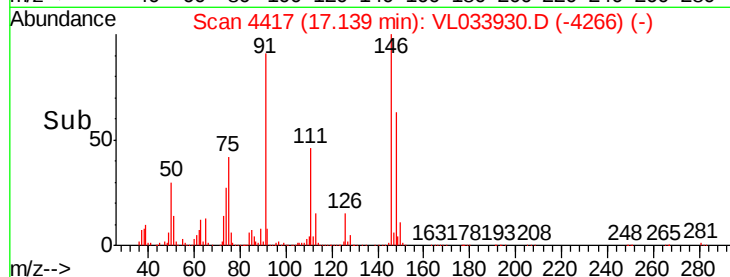
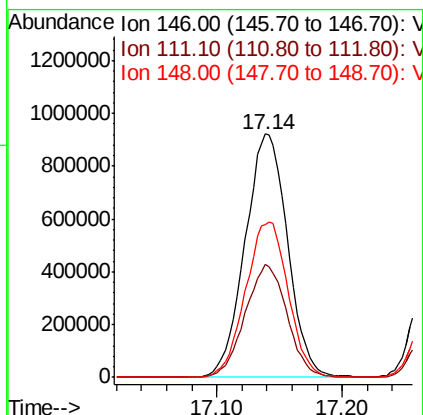
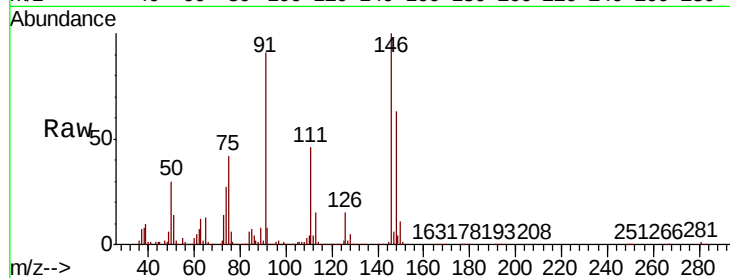
146 100

111 45.8 22.8 68.3

148 64.3 32.2 96.6

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#76

1,4-Dichlorobenzene

Concen: 10.403 ppbv

RT: 17.28 min Scan# 4461

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

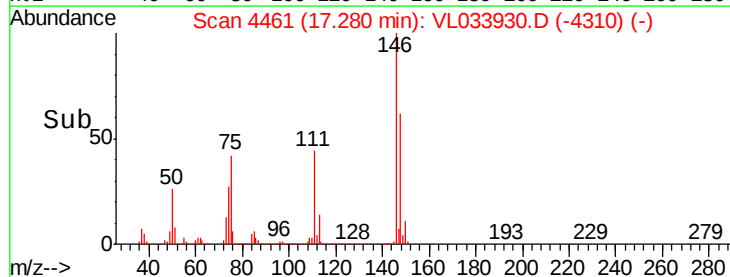
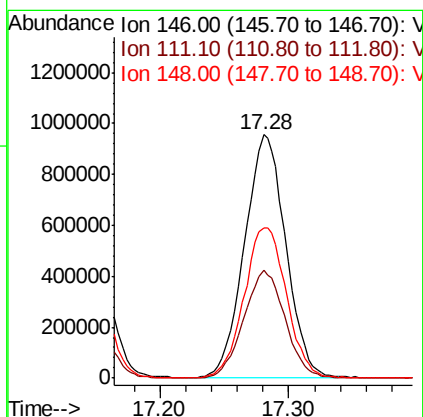
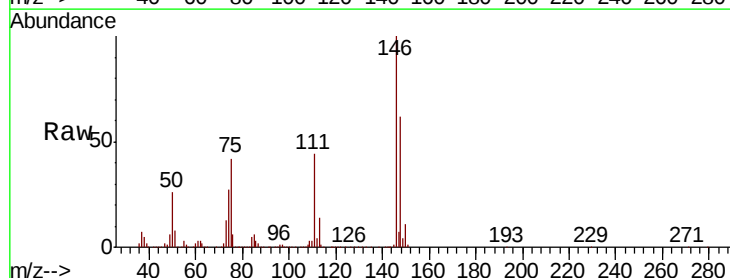
Tgt Ion:146 Resp: 2118635

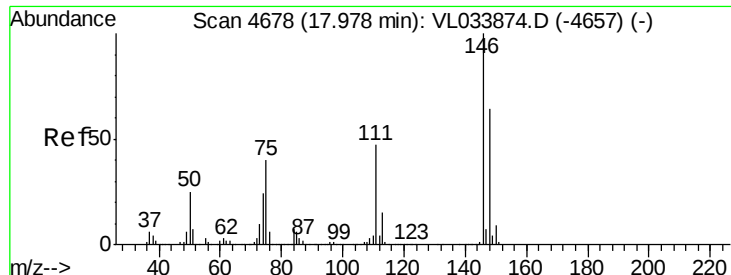
Ion Ratio Lower Upper

146 100

111 44.7 22.1 66.5

148 64.3 32.4 97.0





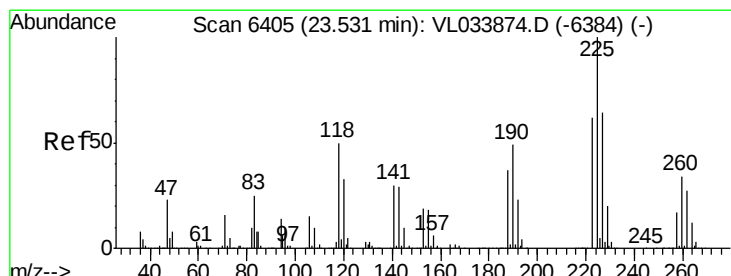
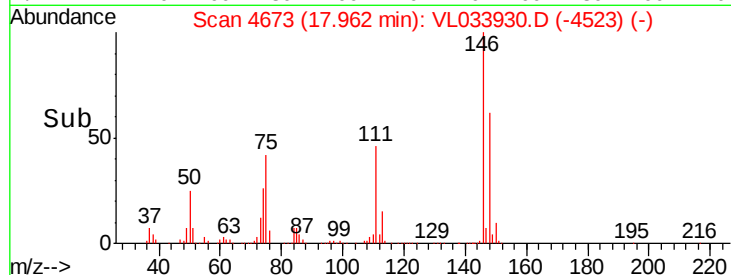
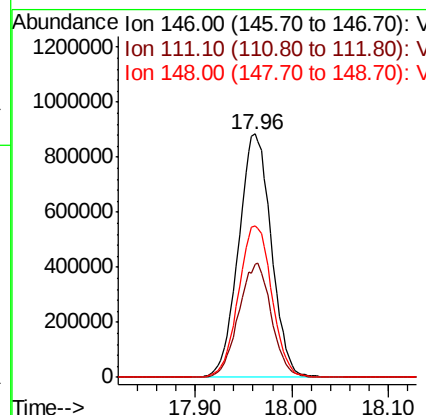
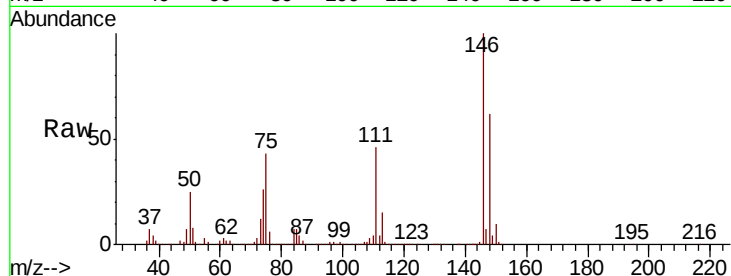
#77
 1,2-Dichlorobenzene
 Concen: 10.155 ppbv
 RT: 17.96 min Scan# 4673
 Delta R.T. -0.02 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2078457
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.4 70.0
 148 63.4 31.8 95.4

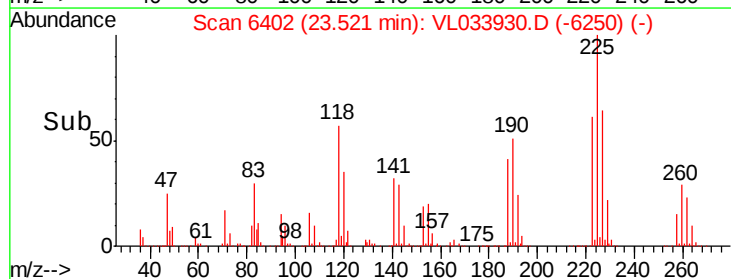
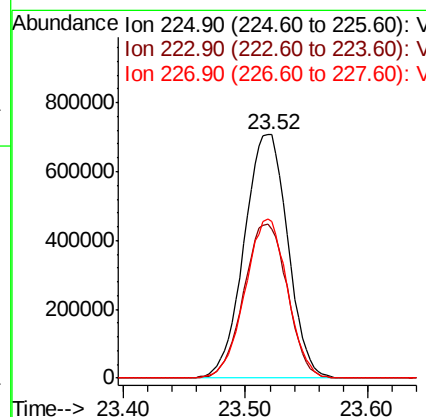
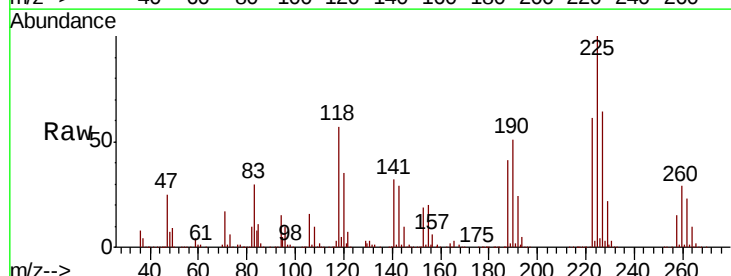
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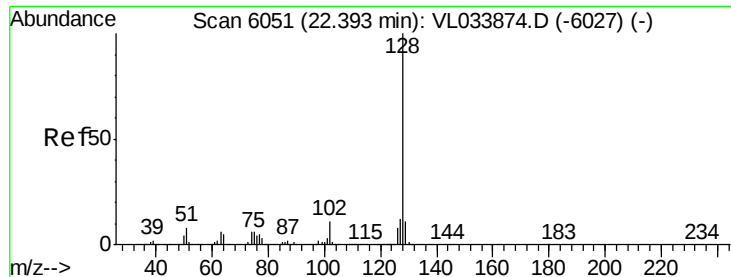
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#78
 Hexachloro-1,3-Butadiene
 Concen: 10.937 ppbv
 RT: 23.52 min Scan# 6402
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion:225 Resp: 1748554
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.8 76.2
 227 63.4 51.8 77.6





#79

Naphthalene

Concen: 12.127 ppbv

RT: 22.38 min Scan# 6046

Delta R.T. -0.02 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 3432990

Ion Ratio Lower Upper

128 100

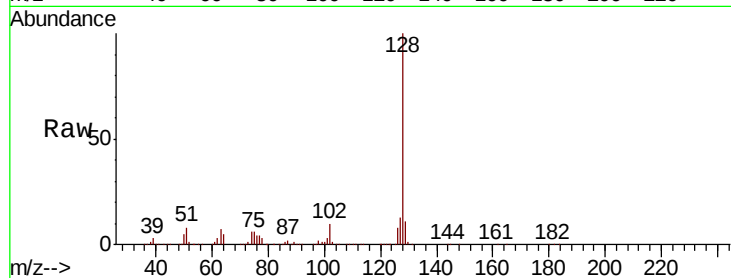
127 13.1 9.7 14.5

129 11.1 8.6 12.8

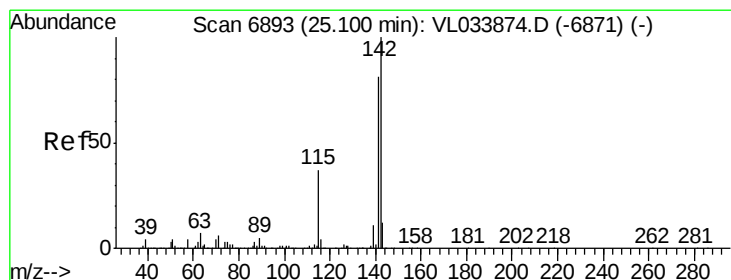
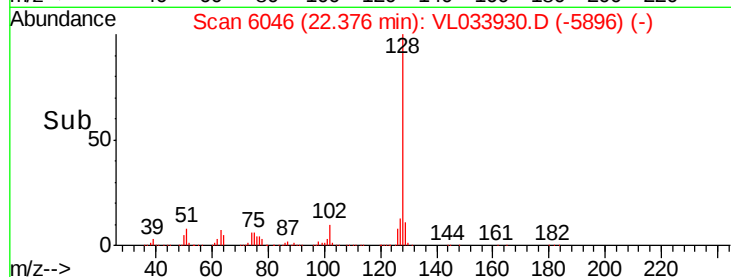
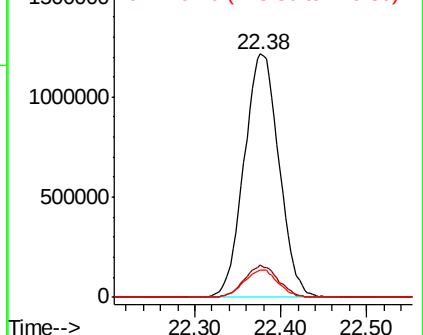
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 13.206 ppbv

RT: 25.09 min Scan# 6891

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

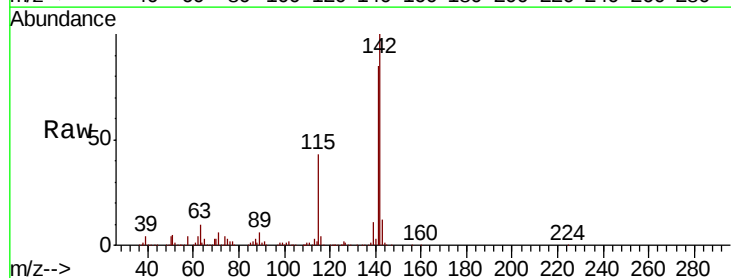
Tgt Ion:142 Resp: 1491682

Ion Ratio Lower Upper

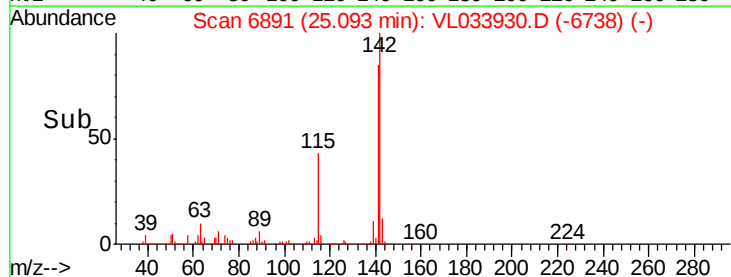
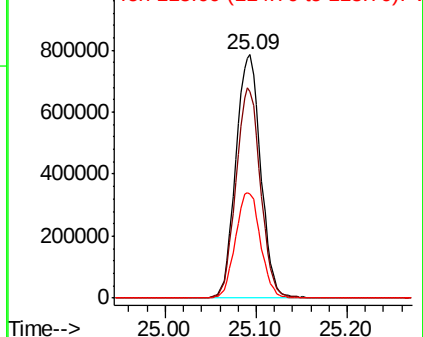
142 100

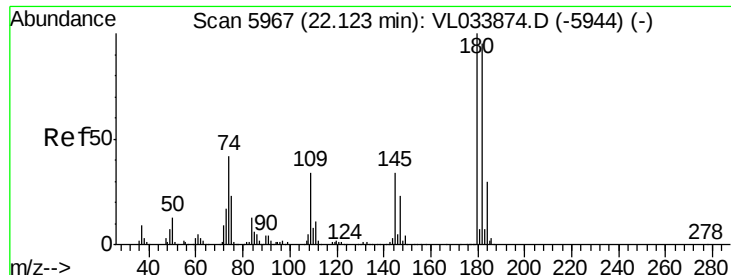
141 85.3 65.7 98.5

115 43.9 28.9 43.3#



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: 11.271 ppbv
 RT: 22.10 min Scan# 5960
 Delta R.T. -0.02 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.9	115.3
184	30.8	24.5	36.7

Manual Integrations
 APPROVED

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