

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062619\
 Data File : VL033964.D
 Acq On : 26 Jun 2019 11:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 3:00:36 PM

Quant Time: Jun 27 04:08:55 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	943377	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.27	114	2204365	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.21	117	2387152m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.55	95	1809785	9.23	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	1616354	10.559	ppbv 100
3) Chlorodifluoromethane	3.00	51	1129729	10.173	ppbv 98
4) Chloromethane	3.16	50	590029	9.314	ppbv 98
5) Vinyl Chloride	3.28	62	605536	10.302	ppbv 98
6) Bromomethane	3.50	94	393831	10.086	ppbv 90
7) Chloroethane	3.59	64	230965	9.936	ppbv 94
8) Dichlorotetrafluoroethane	3.21	85	1587656	9.705	ppbv 99
9) Propene	3.03	41	446545	10.746	ppbv 100
10) Heptane	8.22	43	1145515	10.906	ppbv 100
11) Trichlorofluoromethane	3.99	101	1917222	9.706	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1304243	9.770	ppbv 99
13) Ethanol	3.64	45	155699	11.516	ppbv 97
14) Bromoethene	3.77	108	522055	10.495	ppbv 99
15) Acetone	3.89	43	1415159	10.286	ppbv 99
16) 1,3-Butadiene	3.35	39	533222	10.182	ppbv 100
17) tert-Butyl alcohol	4.34	59	1252180	11.642	ppbv 100
18) 1,1-Dichloroethene	4.34	96	569834	10.106	ppbv 95
19) Isopropyl Alcohol	4.01	45	947422	12.054	ppbv 99
20) Methylene Chloride	4.39	84	474504	8.844	ppbv 99
21) Allyl Chloride	4.46	41	807371	10.330	ppbv 100
22) trans-1,2-Dichloroethene	4.94	96	599212	10.082	ppbv 99
23) Vinyl Acetate	5.14	43	1816631	11.359	ppbv 99
24) 1,1-Dichloroethane	5.07	63	1235267	9.931	ppbv 99
25) Ethyl Acetate	5.75	43	2071315	9.885	ppbv 100
26) Hexane	5.76	57	916812	9.610	ppbv 99
27) Carbon Disulfide	4.60	76	1421738	10.727	ppbv 98
28) Methyl tert-Butyl Ether	5.09	73	1701169	11.792	ppbv 100
29) Chloroform	5.83	83	1588943	9.725	ppbv 97
30) Cyclohexane	7.22	84	756261	11.219	ppbv 100
31) cis-1,2-Dichloroethene	5.62	61	935111	11.178	ppbv 98
32) 1,1,1-Trichloroethane	6.60	97	1676177	10.634	ppbv 100
34) 2-Butanone	5.31	43	1363885	10.967	ppbv 100
35) Carbon Tetrachloride	7.11	117	1747368	10.260	ppbv 97
36) Benzene	6.98	78	1831770	10.878	ppbv 99
37) 1,2-Dichloroethane	6.39	62	1226592	9.850	ppbv 99
38) Trichloroethene	7.94	130	764849	11.666	ppbv 96
39) 1,2-Dichloropropane	7.71	63	696723	10.721	ppbv 94
40) 1,4-Dioxane	7.93	88	284547	10.735	ppbv 87
41) Tetrahydrofuran	6.12	42	731359	11.587	ppbv 99
42) Bromodichloromethane	7.89	83	1731733	10.406	ppbv 99
43) Methyl Methacrylate	8.11	69	744810	11.827	ppbv 100

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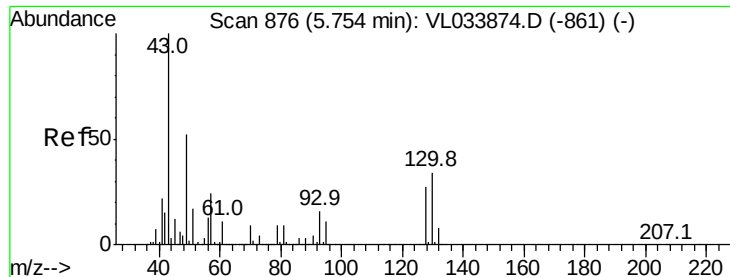
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.96	57	3148415	10.514	ppbv	100
45) t-1,3-Dichloropropene	9.39	75	947777	11.469	ppbv	97
46) cis-1,3-Dichloropropene	8.81	75	1086313	11.474	ppbv	98
47) 1,1,2-Trichloroethane	9.59	97	782027	10.094	ppbv	97
48) Dibromochloromethane	10.43	129	1487079	10.681	ppbv	100
49) Bromoform	13.17	173	1317429	10.719	ppbv	99
50) 4-Methyl-2-Pentanone	8.84	43	1983679	10.697	ppbv	100
51) 2-Hexanone	10.25	43	1622414	11.204	ppbv #	100
52) Tetrachloroethene	11.34	164	711698	12.012	ppbv	98
53) Toluene	9.92	91	2136649	11.466	ppbv	99
54) 1,2-Dibromoethane	10.73	107	1238200	10.602	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.25	131	998062	9.571	ppbv	99
57) Chlorobenzene	12.27	112	1679831	9.396	ppbv	97
58) Ethyl Benzene	12.83	91	2952612	10.971	ppbv	98
59) m/p-Xylene	13.12	91	5022099m	20.520	ppbv	
60) o-Xylene	13.82	91	2570326	10.172	ppbv	100
61) Styrene	13.66	104	1808647	11.060	ppbv	99
62) Isopropylbenzene	14.80	105	3456990	10.150	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.81	83	1806961	9.500	ppbv	99
64) n-propylbenzene	15.69	120	896451	10.278	ppbv	98
65) tert-Butylbenzene	16.88	119	3205357	10.171	ppbv	100
66) Benzyl Chloride	17.13	91	1455930	9.117	ppbv	99
67) sec-Butylbenzene	17.43	105	4444848	10.054	ppbv	100
69) p-Isopropyltoluene	17.79	119	3729797	10.140	ppbv	100
70) n-Butylbenzene	18.69	91	3881802	9.635	ppbv	100
71) 2-Chlorotoluene	15.59	91	2679547	10.679	ppbv	99
72) 4-Ethyltoluene	15.97	105	3003577	10.445	ppbv	99
73) 1,3,5-Trimethylbenzene	16.13	105	2894096	10.217	ppbv	99
74) 1,2,4-Trimethylbenzene	16.90	105	3036021	9.300	ppbv	97
75) 1,3-Dichlorobenzene	17.14	146	1752454	8.571	ppbv	99
76) 1,4-Dichlorobenzene	17.28	146	1697252	9.041	ppbv	100
77) 1,2-Dichlorobenzene	17.96	146	1667071	8.836	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	1281825	8.698	ppbv	99
79) Naphthalene	22.37	128	2419255	9.271	ppbv	99
80) Naphthalene, 2-methyl-	25.09	142	757150	7.272	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.10	180	1350150	8.195	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 872

Delta R.T. -0.01 min

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MSVOA_L

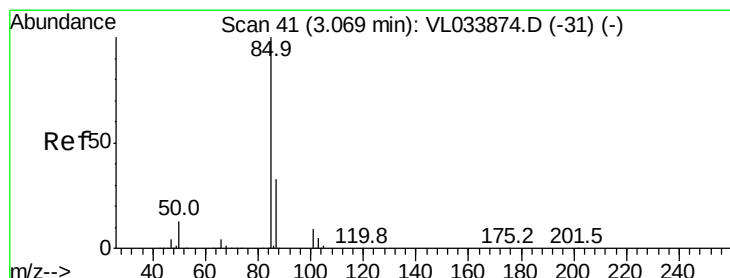
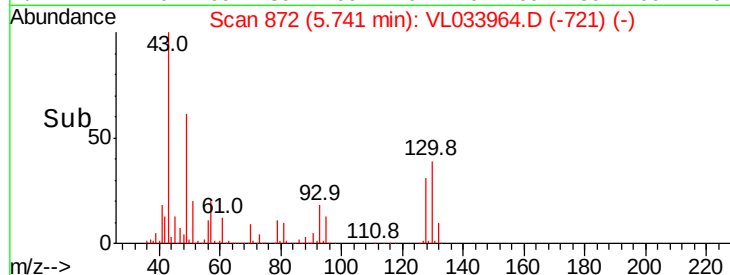
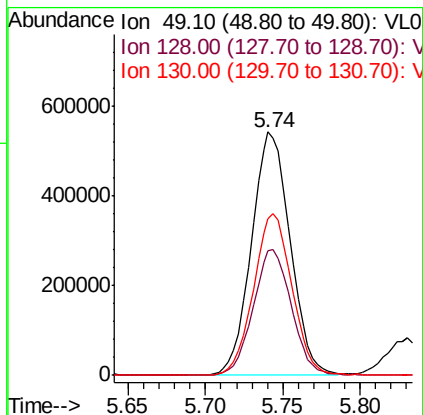
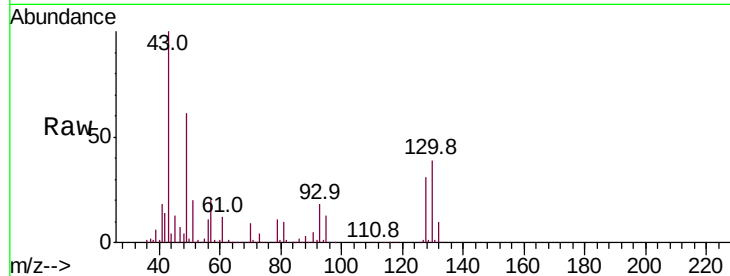
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
49	100		
128	51.2	25.5	76.5
130	66.1	32.5	97.4

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#2

Dichlorodifluoromethane

Concen: 10.559 ppbv

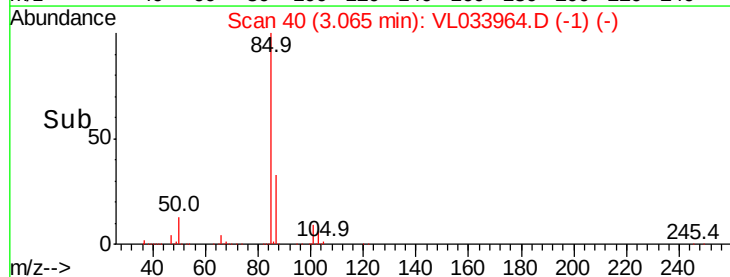
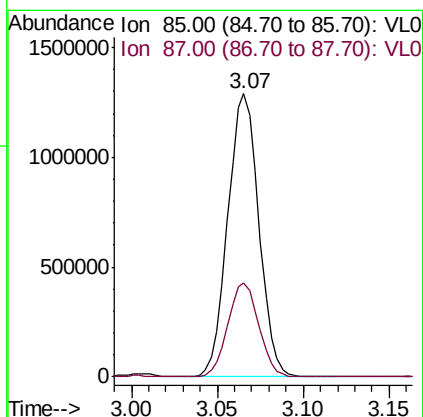
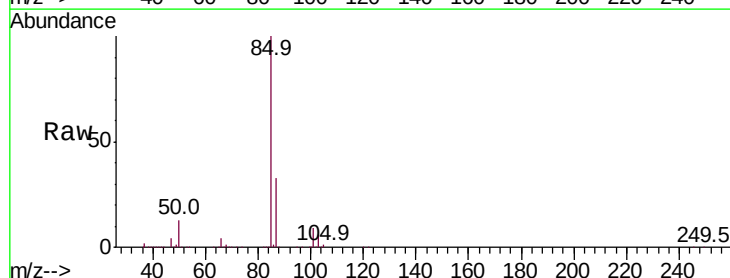
RT: 3.07 min Scan# 40

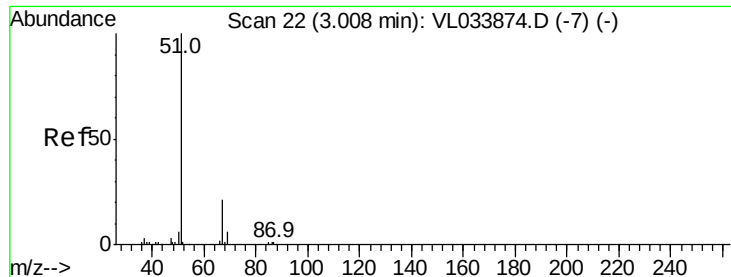
Delta R.T. -0.00 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.6	40.0





#3

Chlorodifluoromethane

Concen: 10.173 ppbv

RT: 3.00 min Scan# 20

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1129729

Ion Ratio Lower Upper

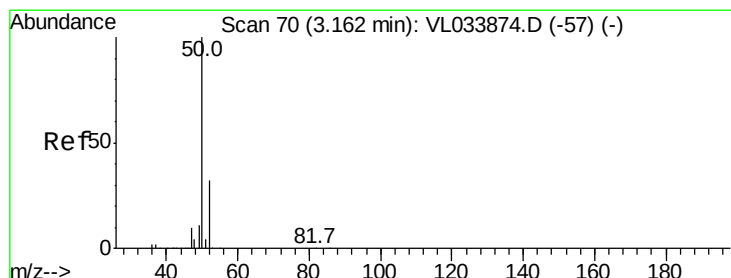
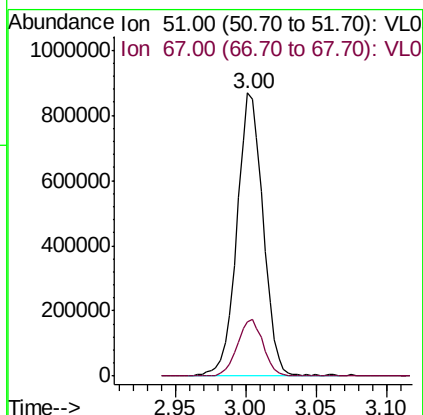
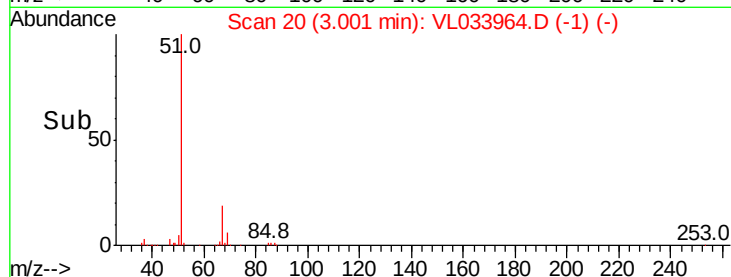
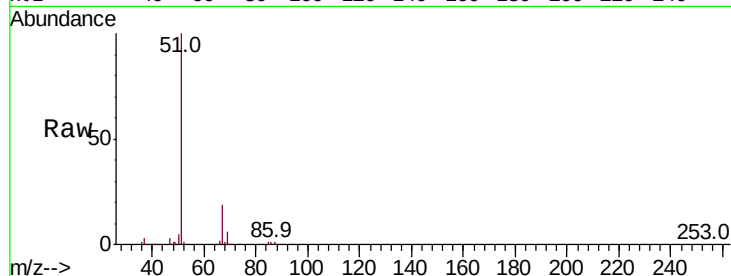
51 100

67 19.8 16.4 24.6

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#4

Chloromethane

Concen: 9.314 ppbv

RT: 3.16 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL033964.D

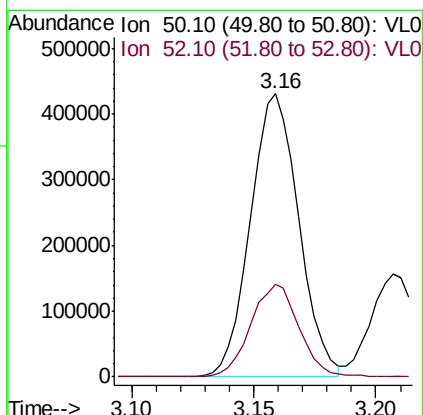
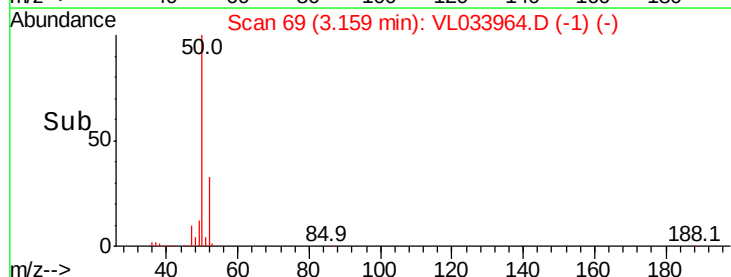
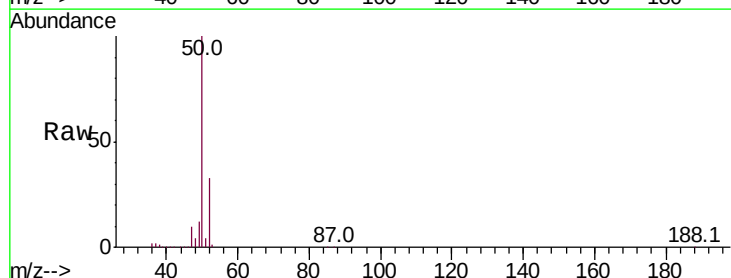
Acq: 26 Jun 2019 11:44

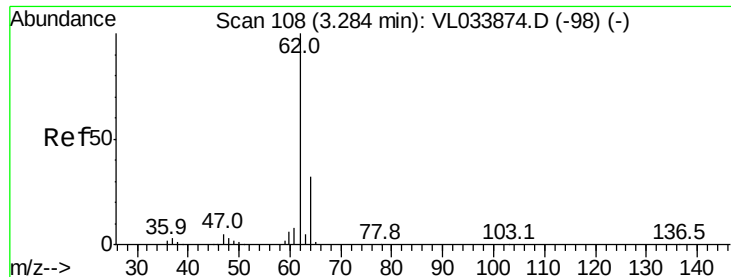
Tgt Ion: 50 Resp: 590029

Ion Ratio Lower Upper

50 100

52 32.9 25.4 38.0





#5

Vinyl Chloride

Concen: 10.302 ppbv

RT: 3.28 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 605536

Ion Ratio Lower Upper

62 100

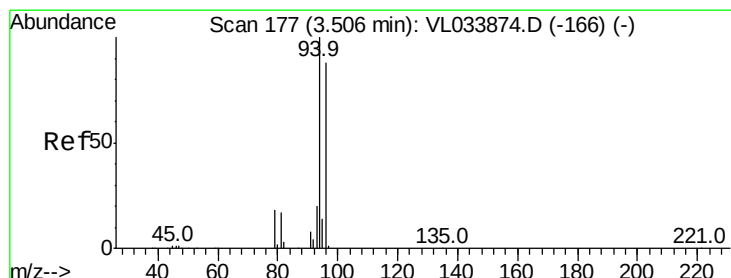
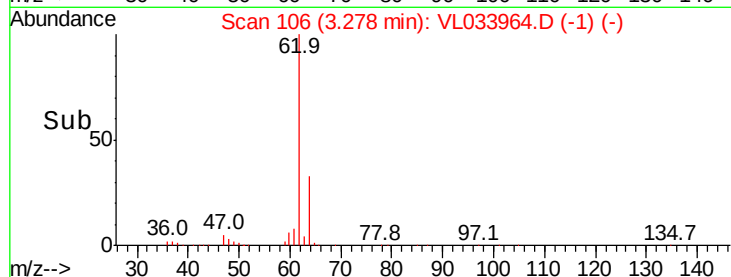
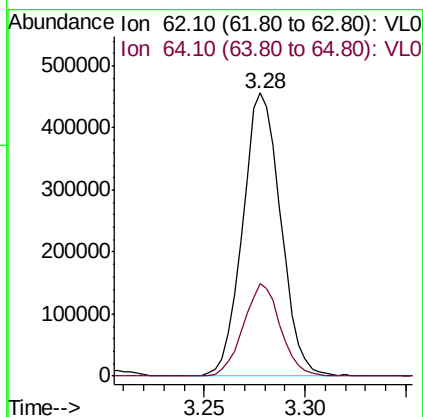
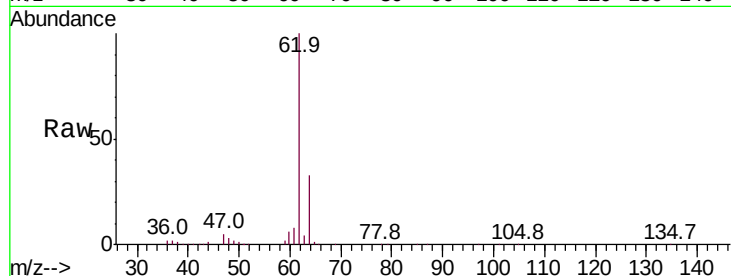
64 32.6 25.2 37.8

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#6

Bromomethane

Concen: 10.086 ppbv

RT: 3.50 min Scan# 175

Delta R.T. -0.01 min

Lab File: VL033964.D

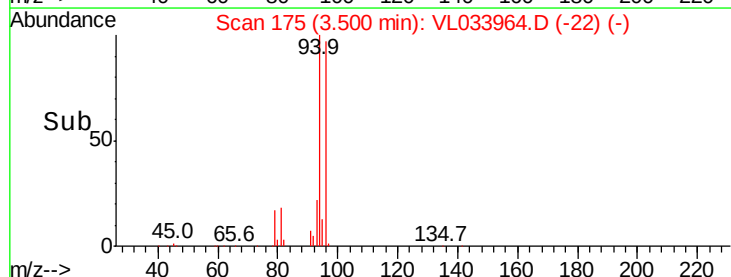
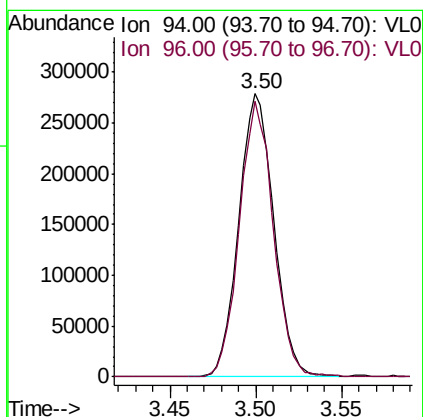
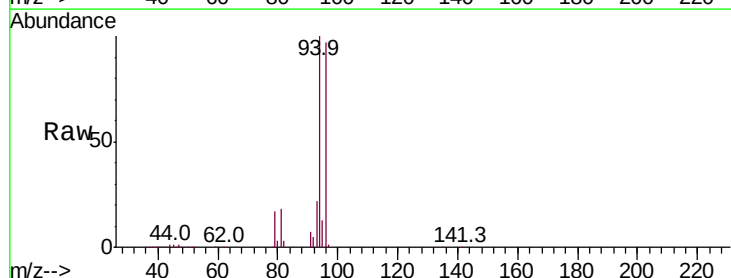
Acq: 26 Jun 2019 11:44

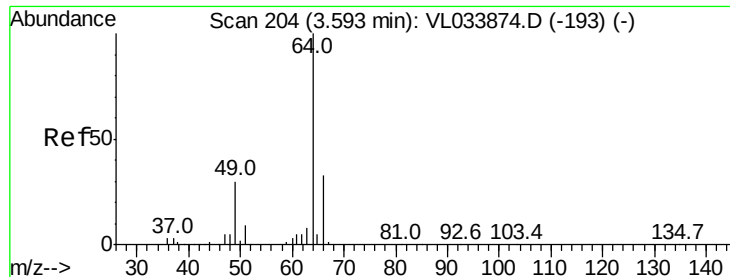
Tgt Ion: 94 Resp: 393831

Ion Ratio Lower Upper

94 100

96 97.1 70.2 105.2





#7

Chloroethane

Concen: 9.936 ppbv

RT: 3.59 min Scan# 202

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 230965

Ion Ratio Lower Upper

64 100

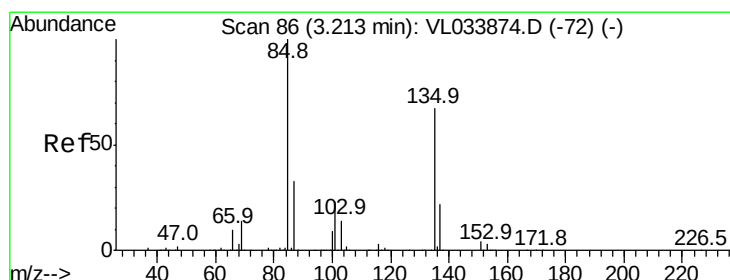
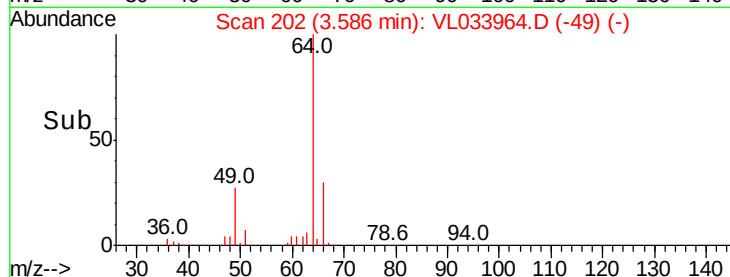
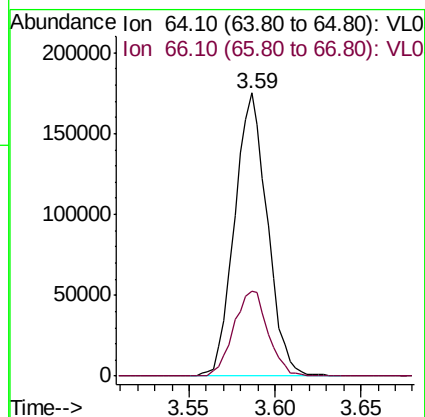
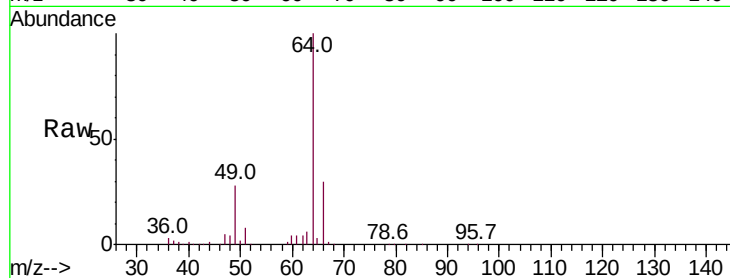
66 29.9 26.7 40.1

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.705 ppbv

RT: 3.21 min Scan# 84

Delta R.T. -0.01 min

Lab File: VL033964.D

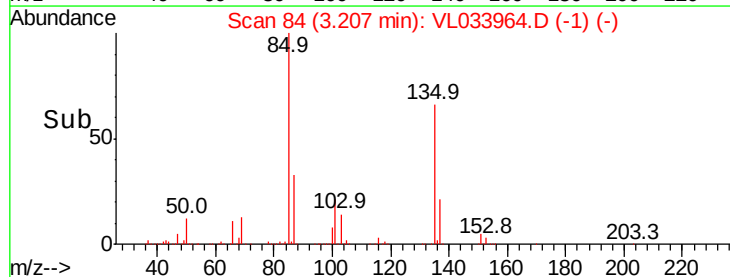
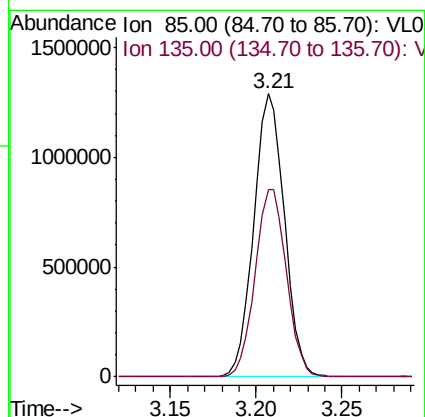
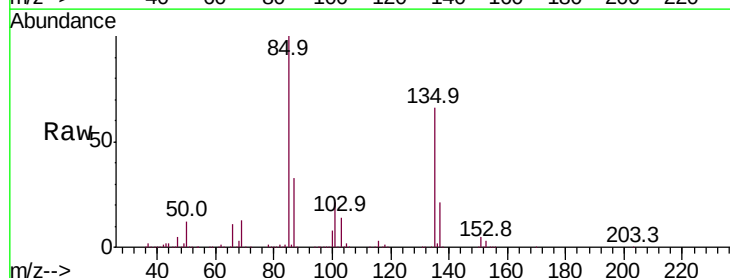
Acq: 26 Jun 2019 11:44

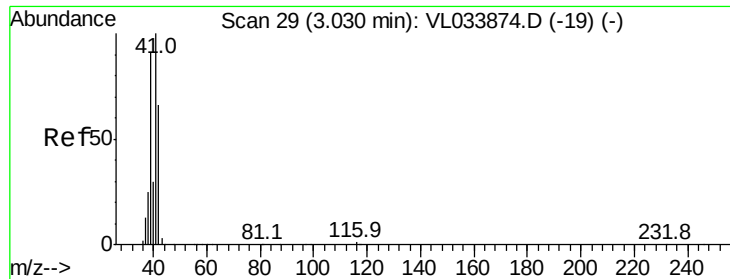
Tgt Ion: 85 Resp: 1587656

Ion Ratio Lower Upper

85 100

135 68.2 53.7 80.5





#9

Propene

Concen: 10.746 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.00 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 446545

Ion Ratio Lower Upper

41 100

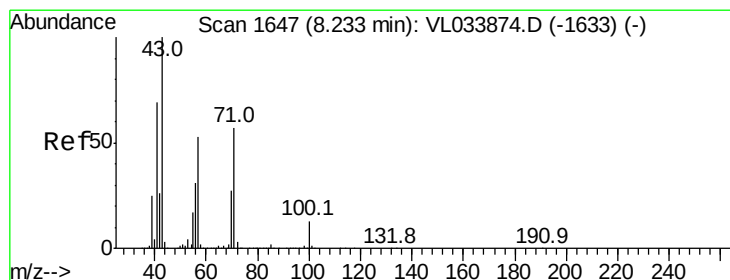
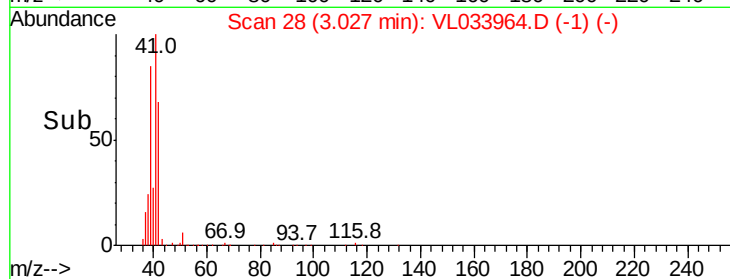
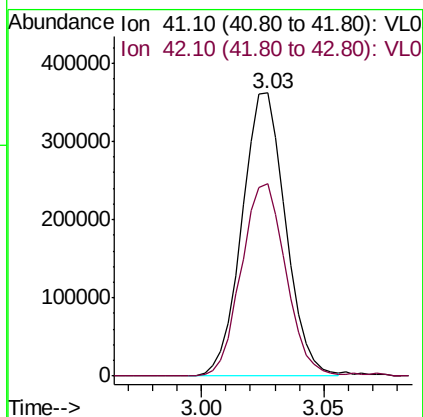
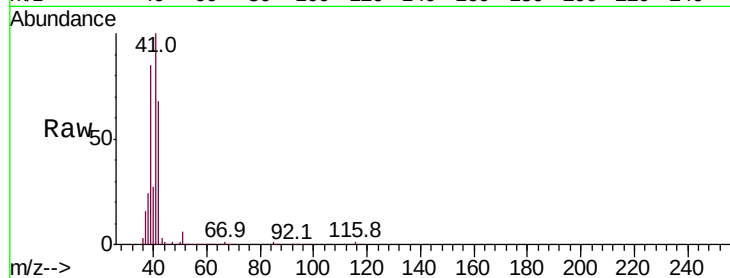
42 70.4 56.3 84.5

Manual Integrations

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#10

Heptane

Concen: 10.906 ppbv

RT: 8.22 min Scan# 1644

Delta R.T. -0.01 min

Lab File: VL033964.D

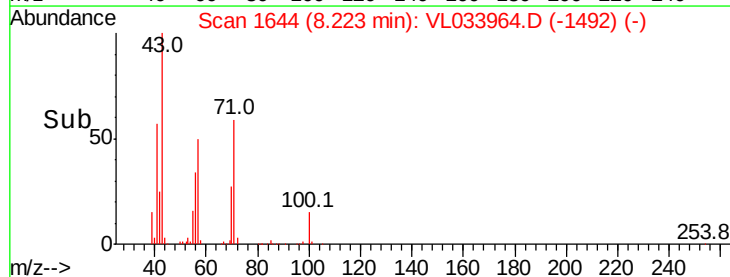
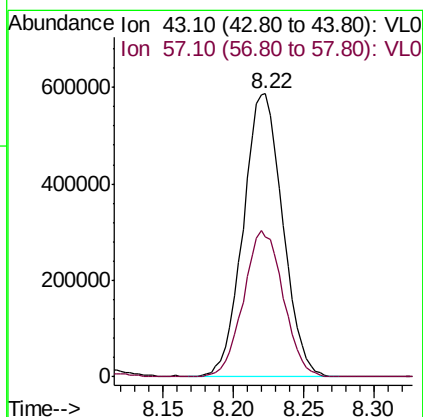
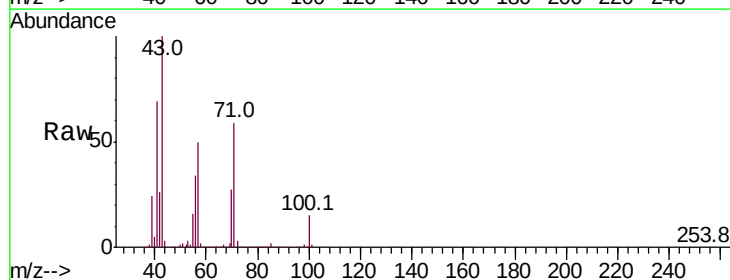
Acq: 26 Jun 2019 11:44

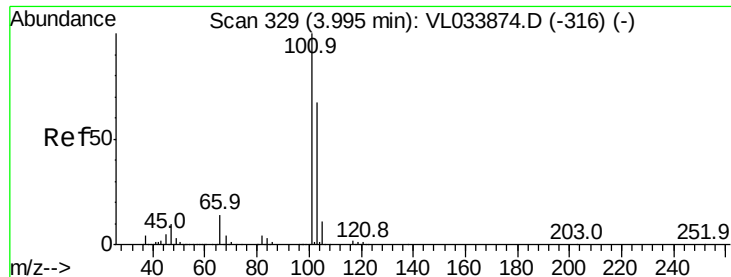
Tgt Ion: 43 Resp: 1145515

Ion Ratio Lower Upper

43 100

57 52.4 41.7 62.5





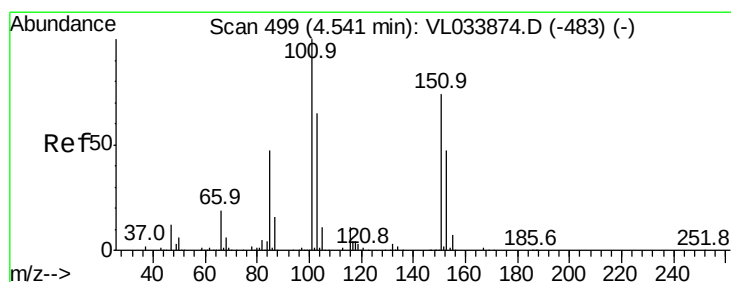
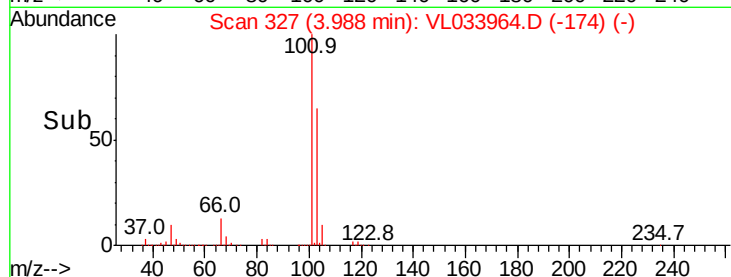
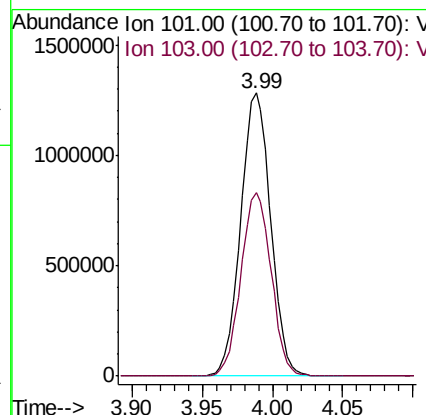
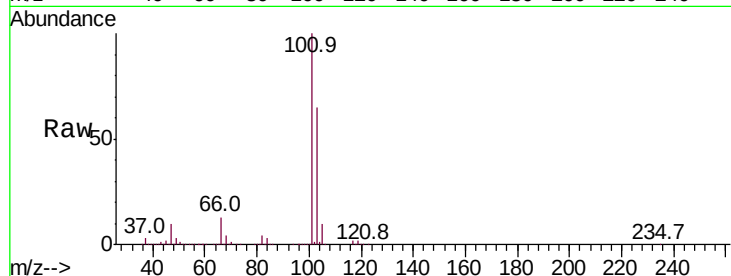
#11
 Trichlorofluoromethane
 Concen: 9.706 ppbv
 RT: 3.99 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1917222
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.6 80.4

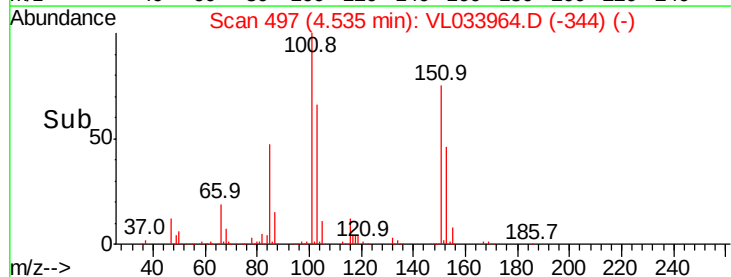
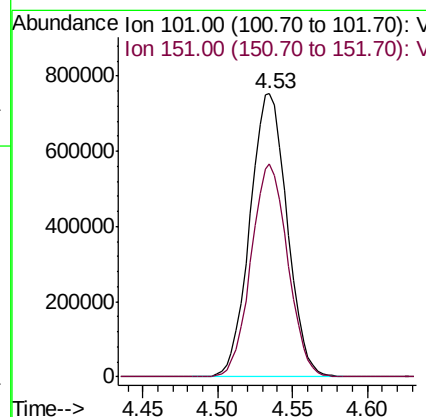
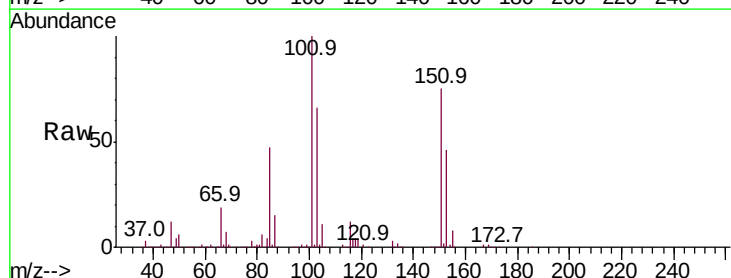
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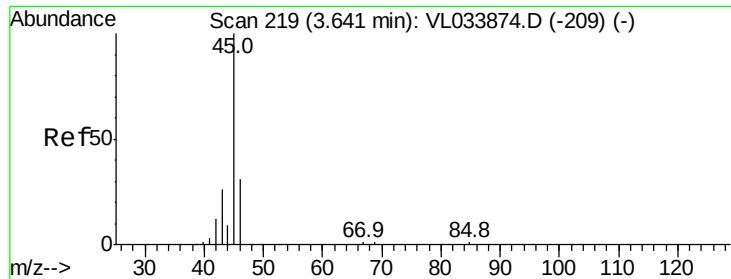
MMDadoda
 6/27/2019 3:00:36 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.770 ppbv
 RT: 4.53 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Tgt Ion:101 Resp: 1304243
 Ion Ratio Lower Upper
 101 100
 151 74.1 58.6 87.8





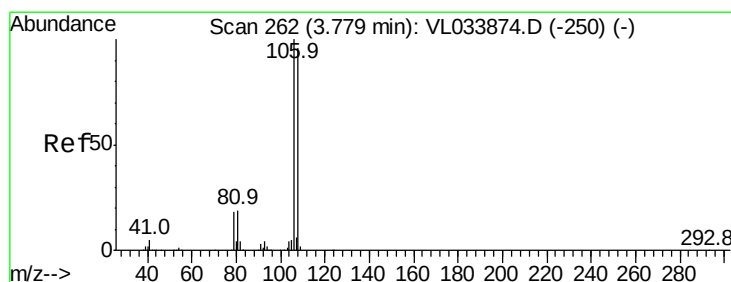
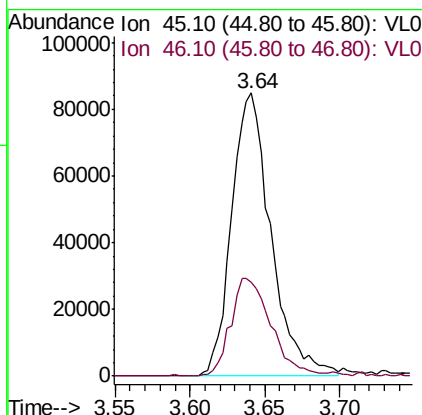
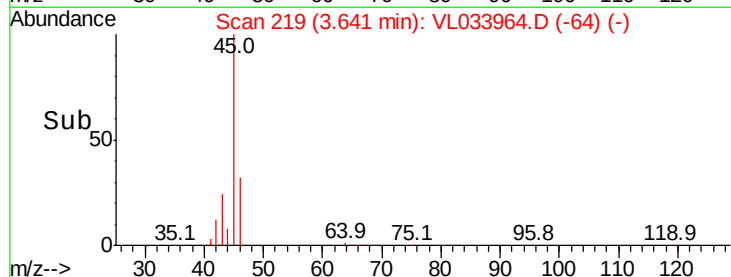
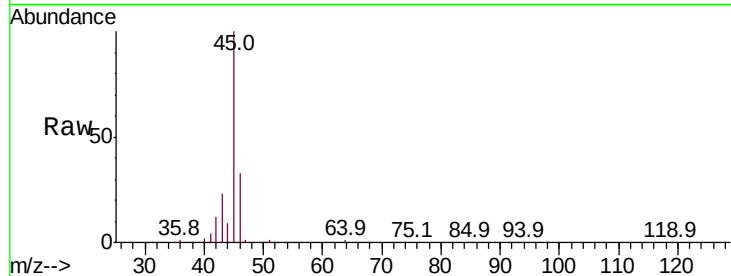
#13
Ethanol
Concen: 11.516 ppbv
RT: 3.64 min Scan# 219
Delta R.T. -0.00 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 155699
Ion Ratio Lower Upper
45 100
46 36.6 15.3 61.1

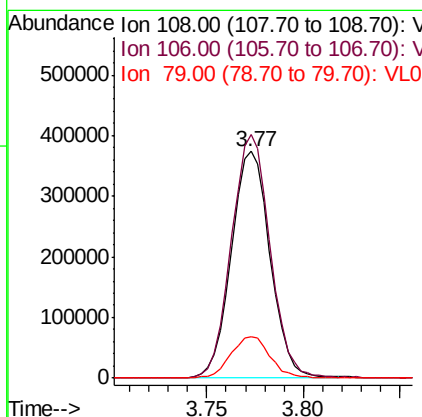
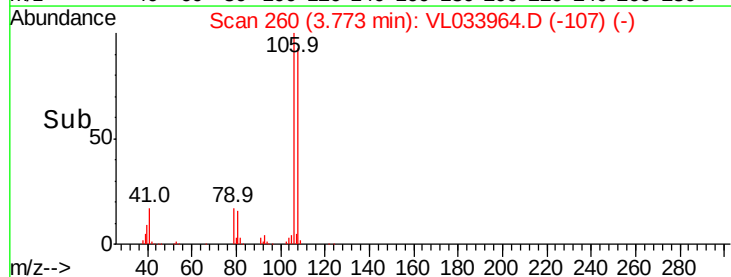
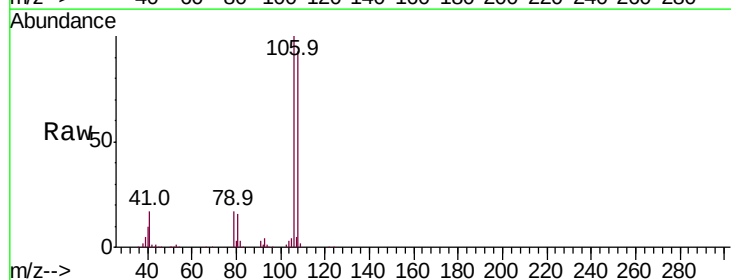
Manual Integrations
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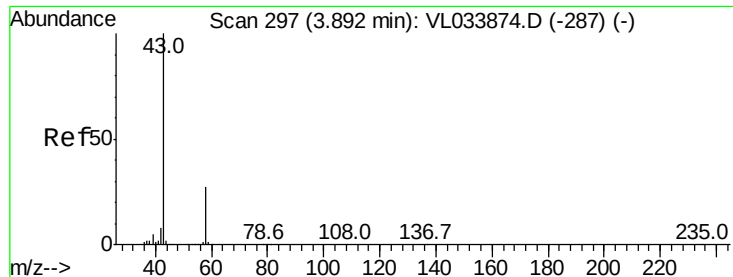
MMDadoda
6/27/2019 3:00:36 PM



#14
Bromoethene
Concen: 10.495 ppbv
RT: 3.77 min Scan# 260
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 108 Resp: 522055
Ion Ratio Lower Upper
108 100
106 107.0 84.9 127.3
79 18.9 15.4 23.0





#15

Acetone

Concen: 10.286 ppbv

RT: 3.89 min Scan# 295

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1415159

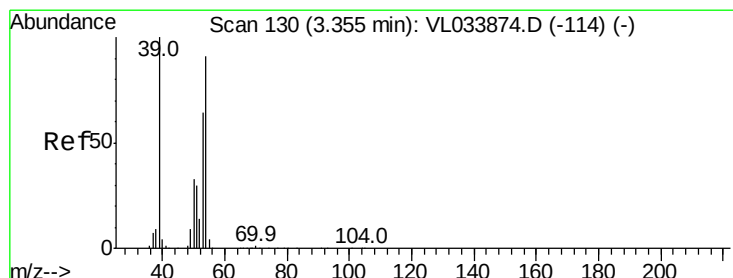
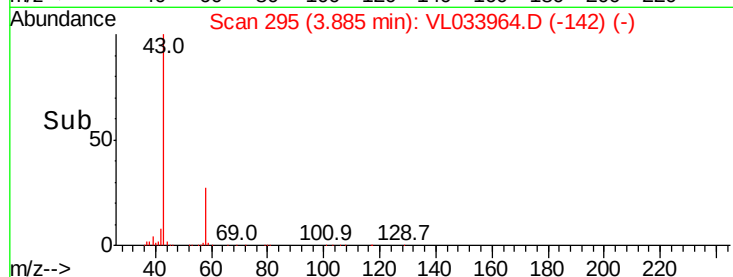
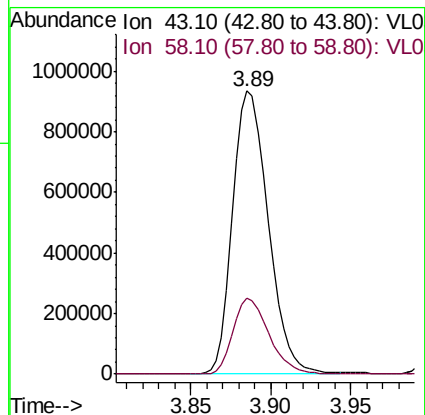
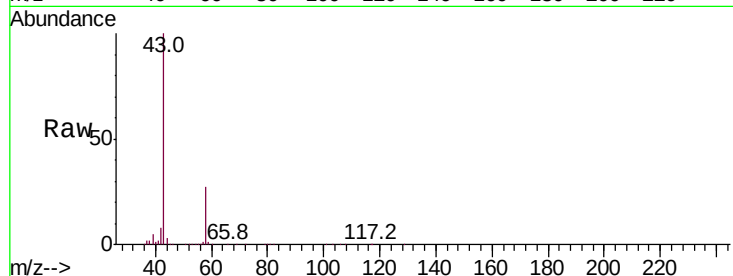
Ion Ratio Lower Upper

43 100

58 27.2 21.3 31.9

Manual Integrations
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#16

1,3-Butadiene

Concen: 10.182 ppbv

RT: 3.35 min Scan# 129

Delta R.T. -0.00 min

Lab File: VL033964.D

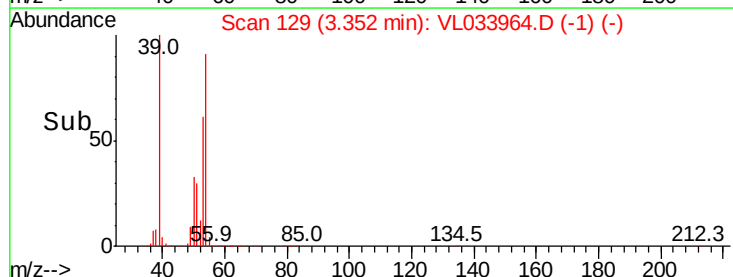
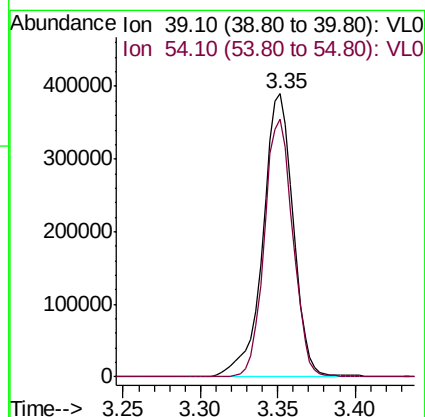
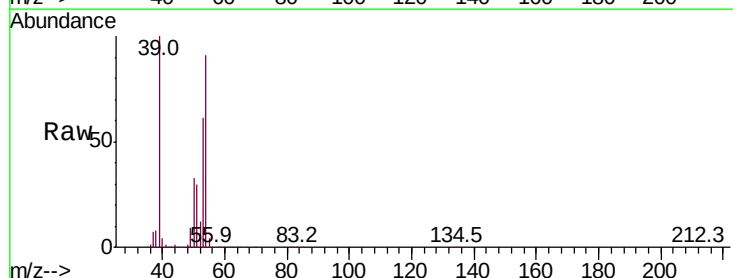
Acq: 26 Jun 2019 11:44

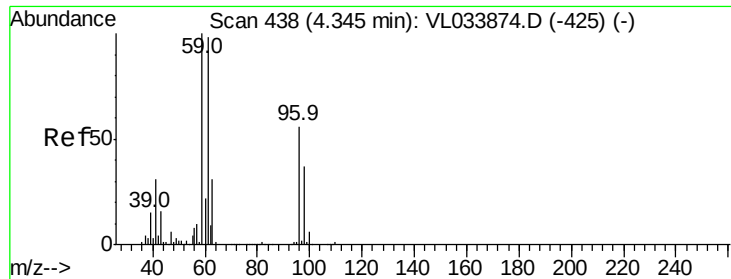
Tgt Ion: 39 Resp: 533222

Ion Ratio Lower Upper

39 100

54 85.8 68.6 103.0





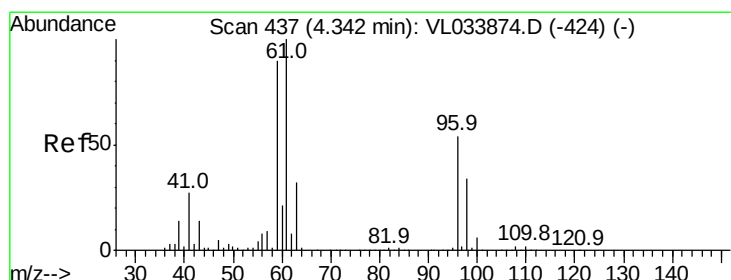
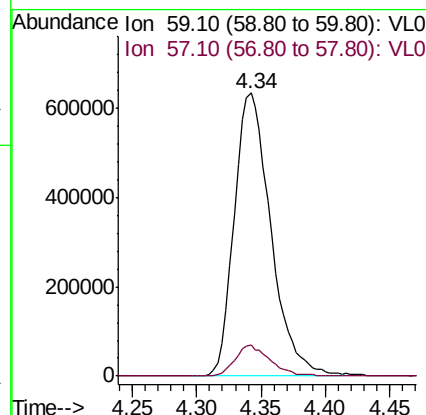
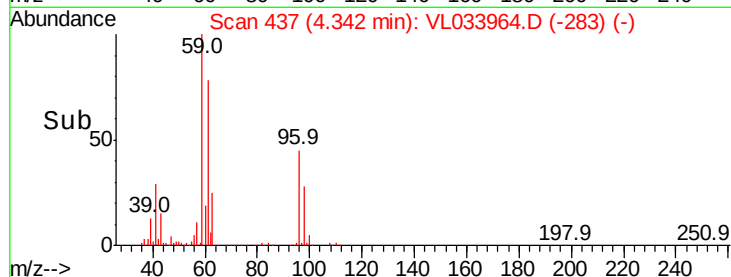
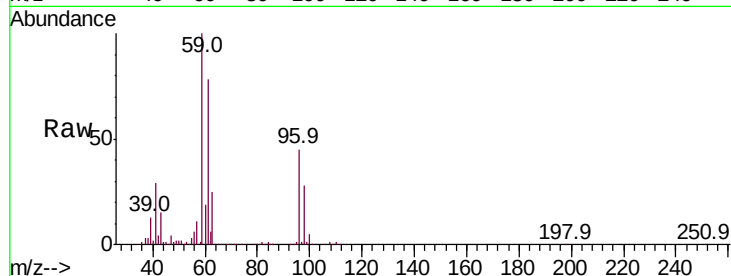
#17
tert-Butyl alcohol
Concen: 11.642 ppbv
RT: 4.34 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1252180
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

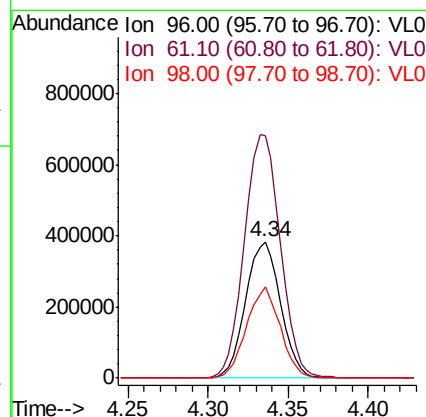
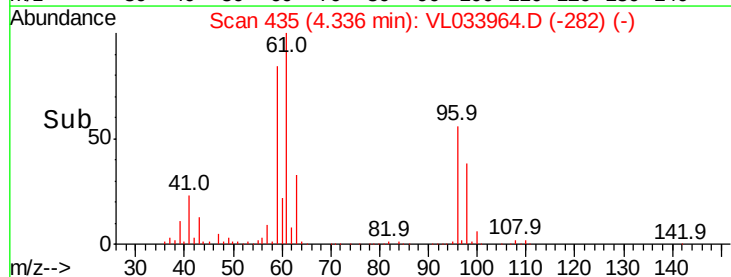
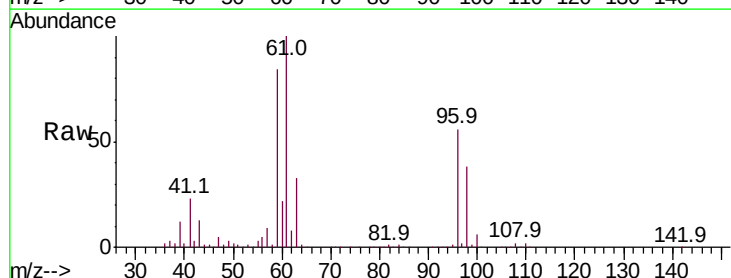
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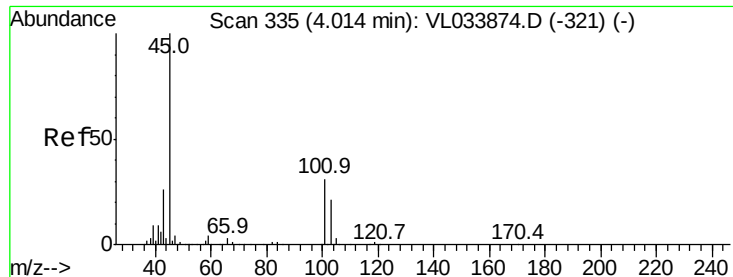
MMDadoda
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#18
1,1-Dichloroethene
Concen: 10.106 ppbv
RT: 4.34 min Scan# 435
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 96 Resp: 569834
Ion Ratio Lower Upper
96 100
61 178.0 147.0 220.6
98 67.2 49.4 74.0





#19

Isopropyl Alcohol

Concen: 12.054 ppbv

RT: 4.01 min Scan# 334

Delta R.T. -0.00 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 947422

Ion Ratio Lower Upper

45 100

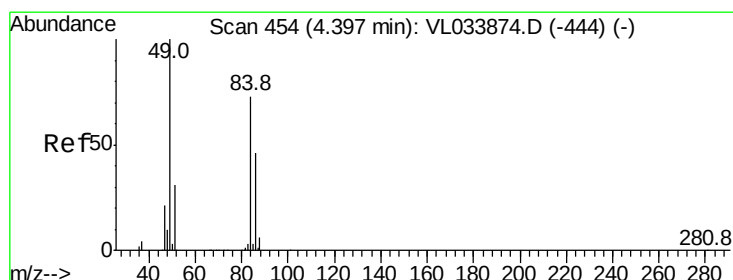
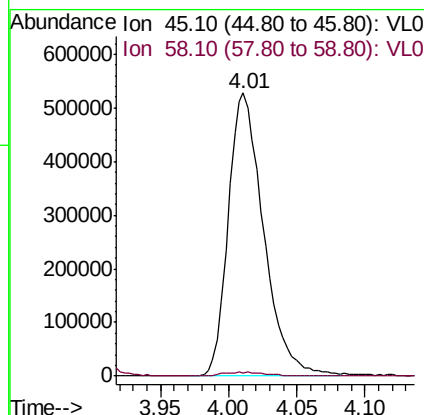
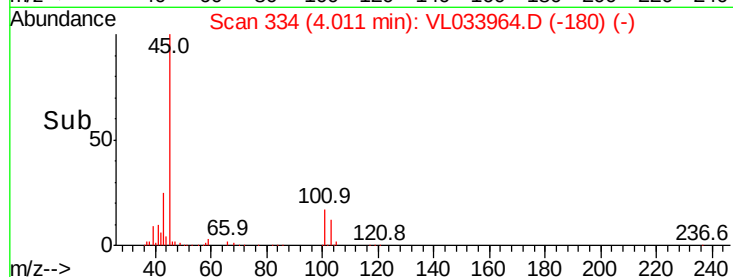
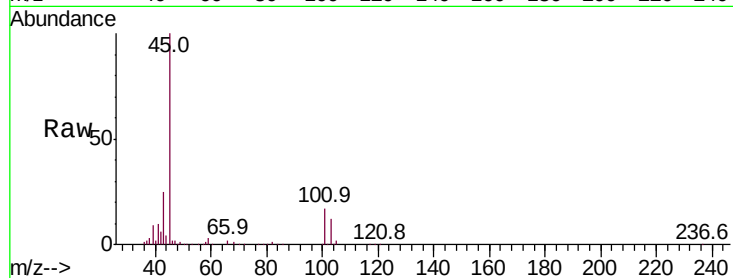
58 1.9 1.8 2.6

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#20

Methylene Chloride

Concen: 8.844 ppbv

RT: 4.39 min Scan# 452

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Tgt Ion: 84 Resp: 474504

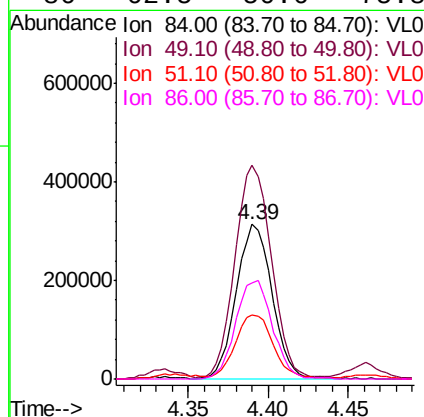
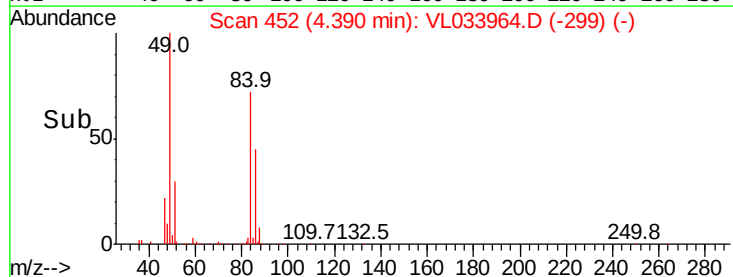
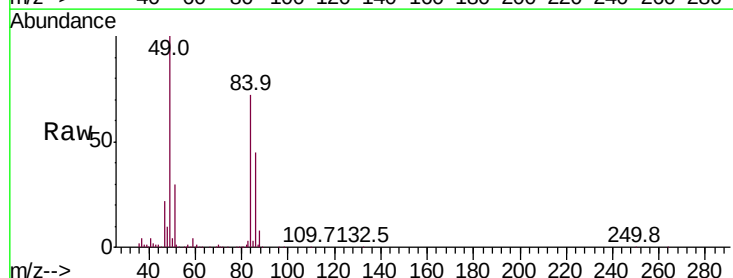
Ion Ratio Lower Upper

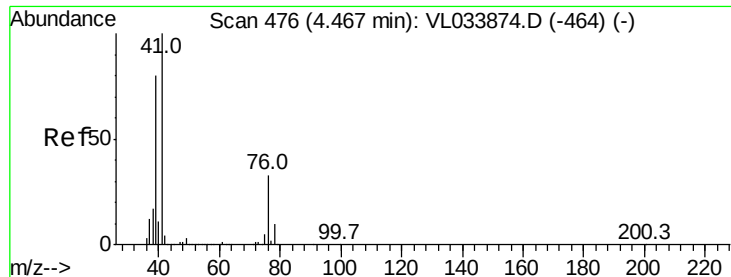
84 100

49 136.6 110.0 165.0

51 40.4 34.6 51.8

86 62.5 50.6 75.8





#21

Allvl Chloride

Concen: 10.330 ppbv

RT: 4.46 min Scan# 474

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

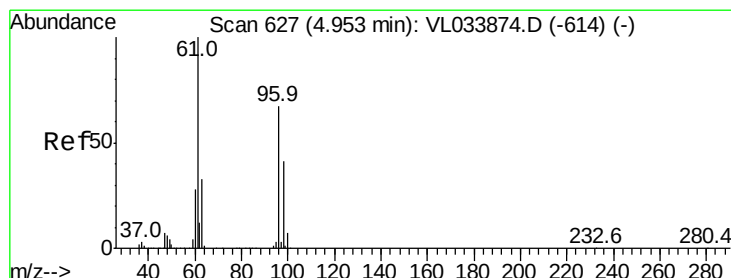
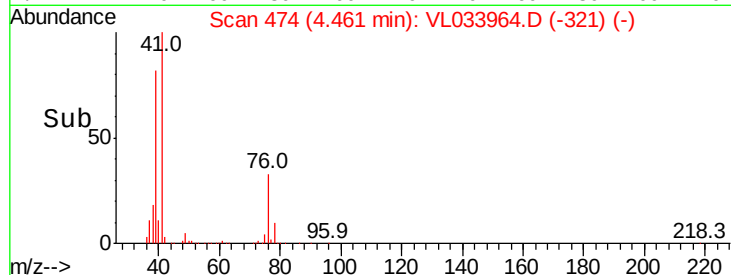
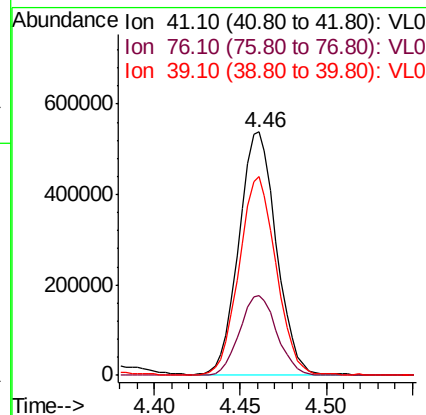
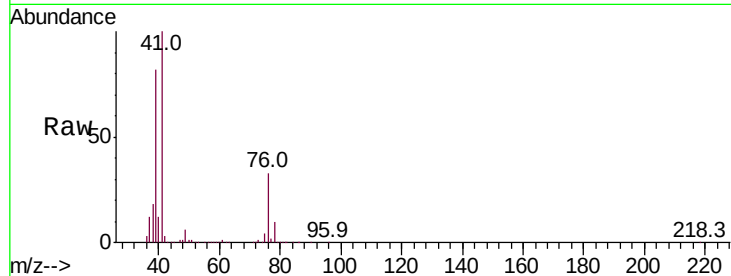
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	807371
Ion Ratio	Lower	Upper	
41	100		
76	32.9	26.6	39.8
39	81.7	65.2	97.8

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#22

trans-1,2-Dichloroethene

Concen: 10.082 ppbv

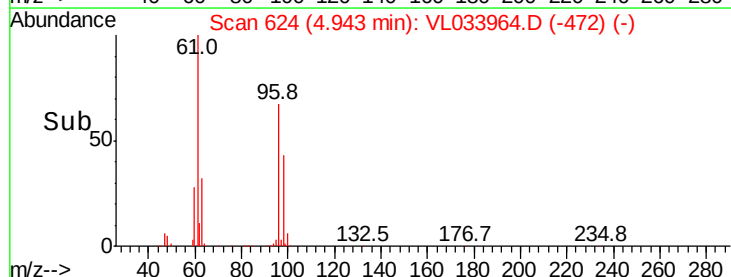
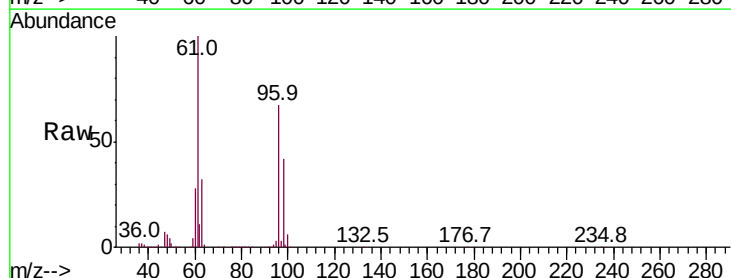
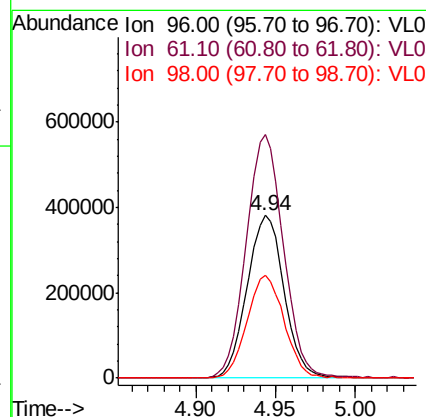
RT: 4.94 min Scan# 624

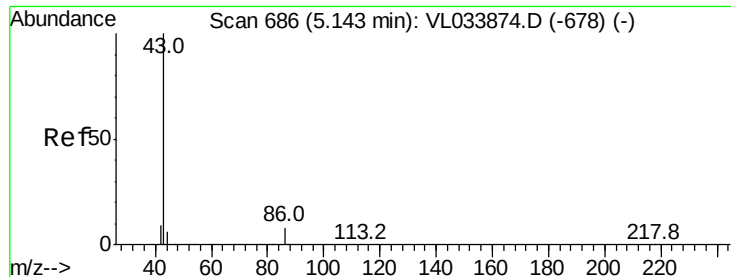
Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Tgt Ion:	96	Resp:	599212
Ion Ratio	Lower	Upper	
96	100		
61	149.6	119.0	178.6
98	63.0	48.3	72.5





#23

Vinyl Acetate

Concen: 11.359 ppbv

RT: 5.14 min Scan# 684

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1816631

Ion Ratio Lower Upper

43 100

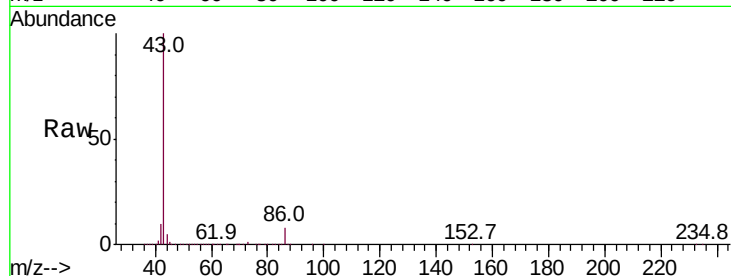
86 8.2 5.8 8.8

42 9.7 7.8 11.8

44 4.8 4.2 6.4

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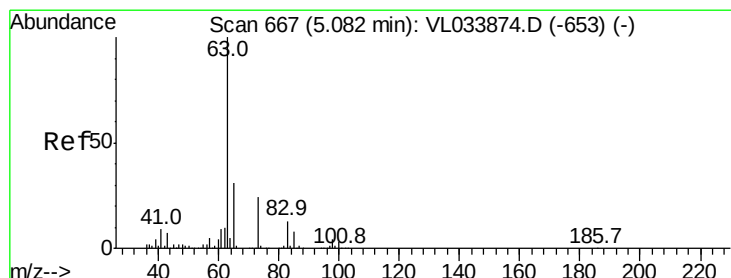
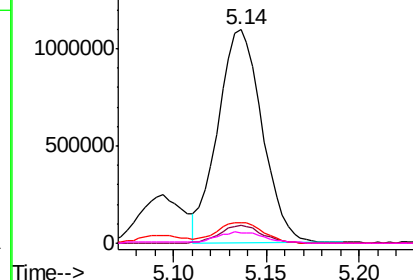
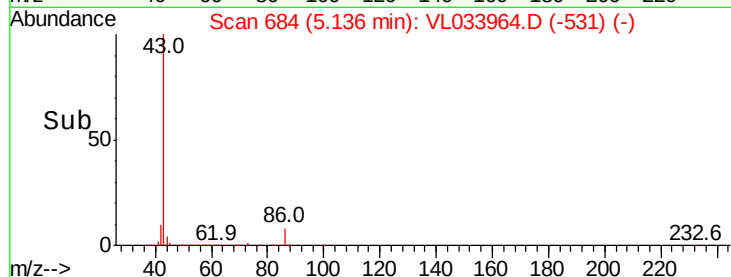


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.931 ppbv

RT: 5.07 min Scan# 664

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

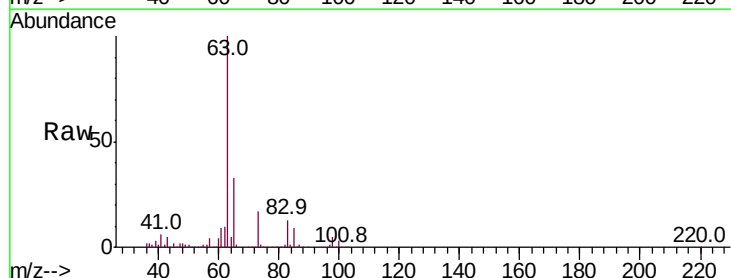
Tgt Ion: 63 Resp: 1235267

Ion Ratio Lower Upper

63 100

98 4.7 2.2 6.6

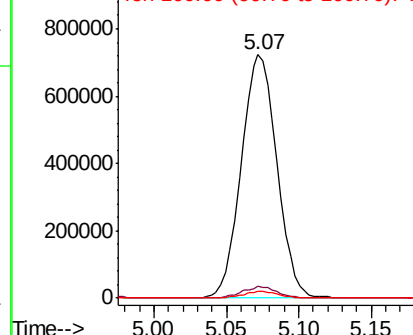
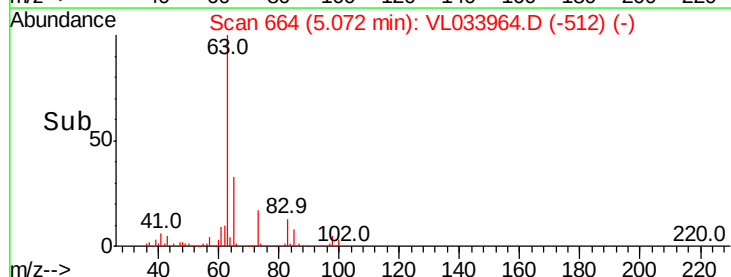
100 2.6 1.3 3.8

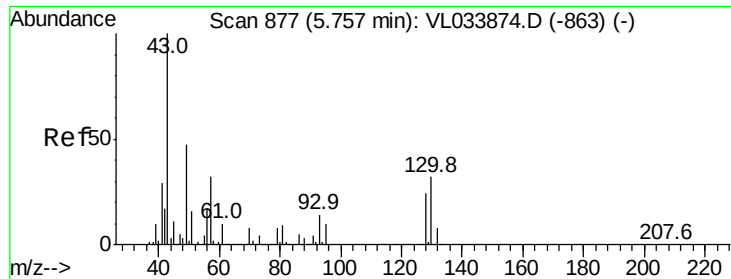


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





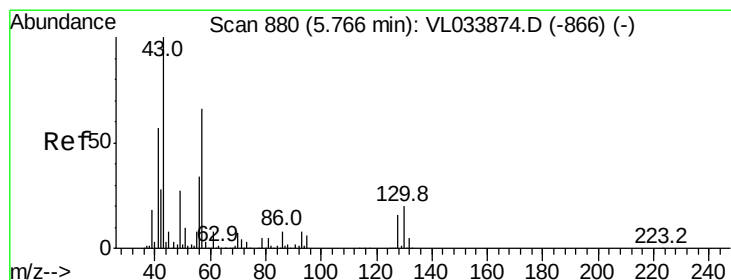
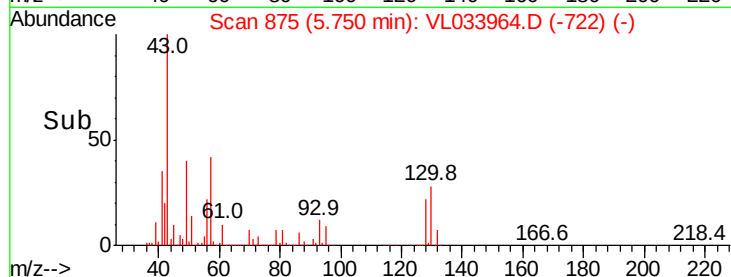
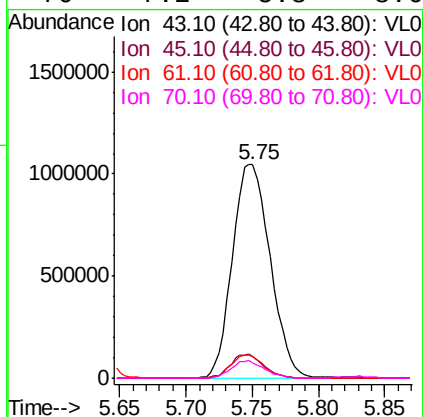
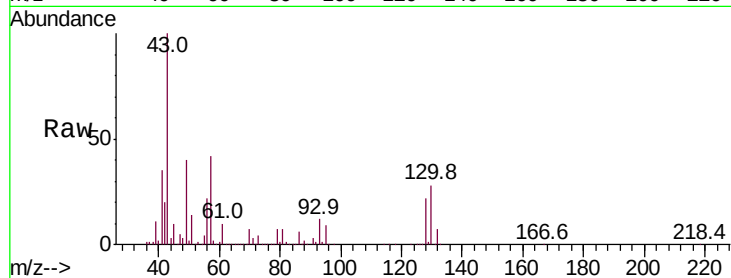
#25
Ethyl Acetate
Concen: 9.885 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.8	7.8	11.6
70	7.2	5.8	8.6

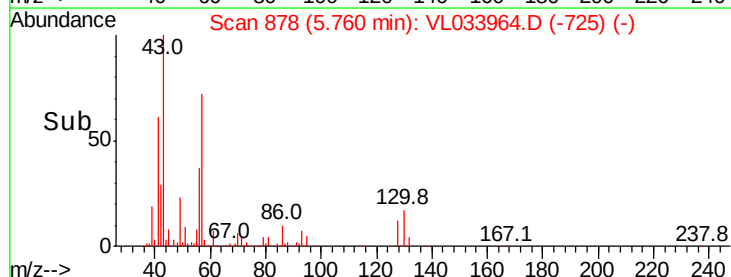
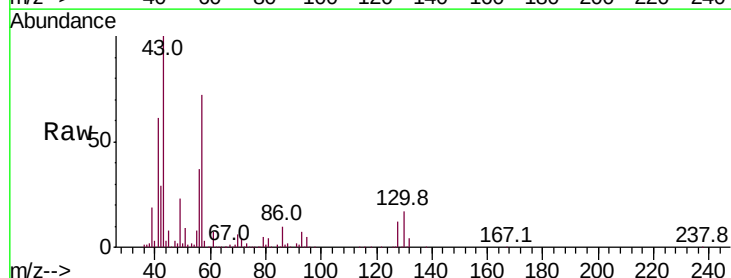
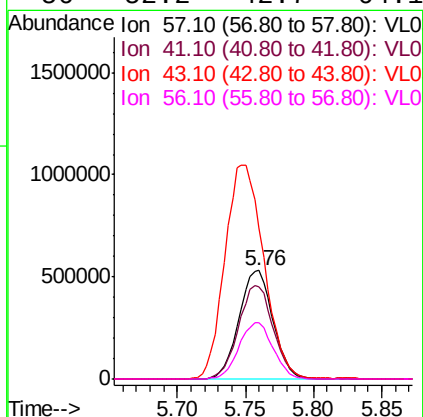
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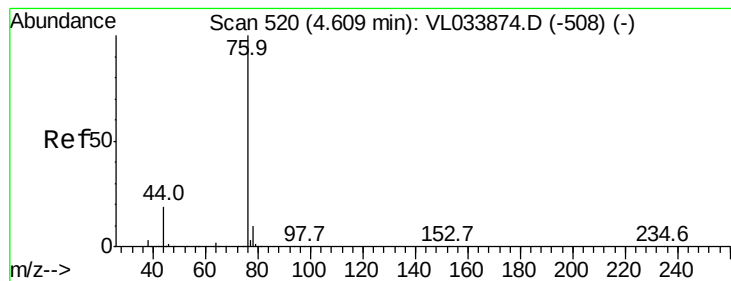
MMDadoda
6/27/2019 3:00:36 PM



#26
Hexane
Concen: 9.610 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.4	71.4	107.2
43	226.9	183.7	275.5
56	52.2	42.7	64.1





#27

Carbon Disulfide

Concen: 10.727 ppbv

RT: 4.60 min Scan# 518

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1421738

Ion Ratio Lower Upper

76 100

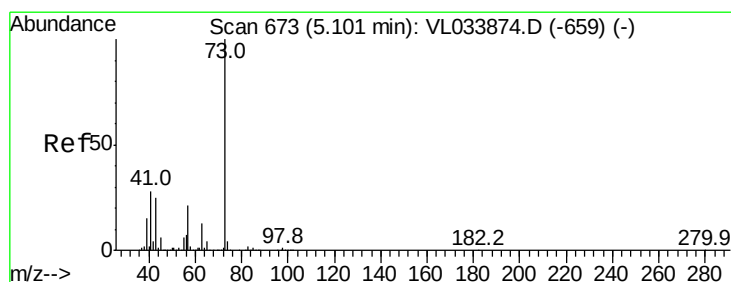
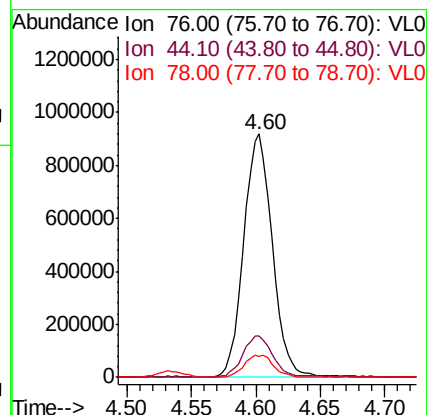
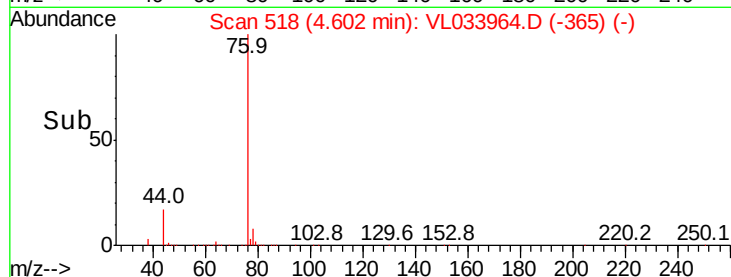
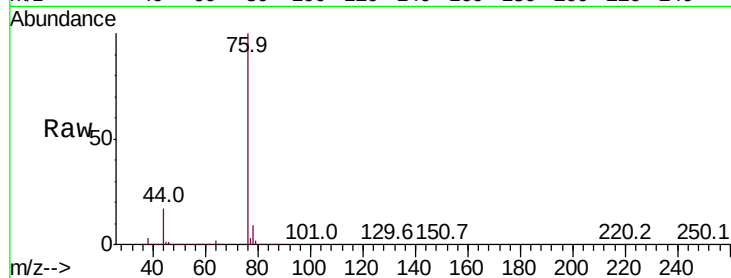
44 16.8 14.4 21.6

78 9.1 7.5 11.3

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 11.792 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.01 min

Lab File: VL033964.D

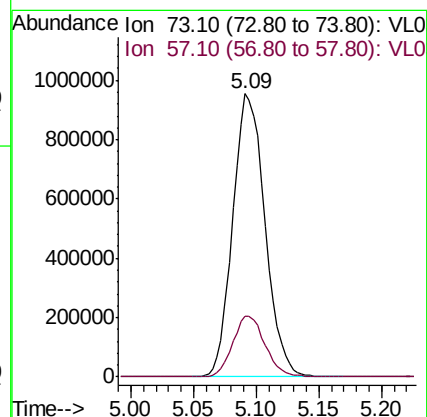
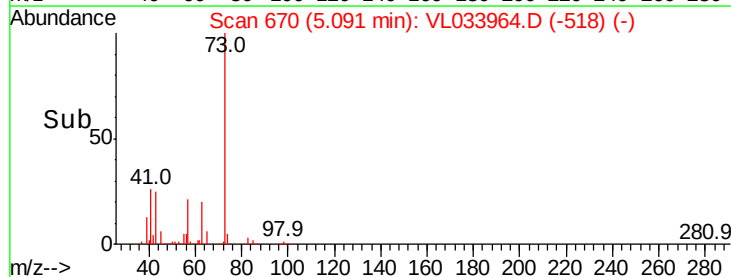
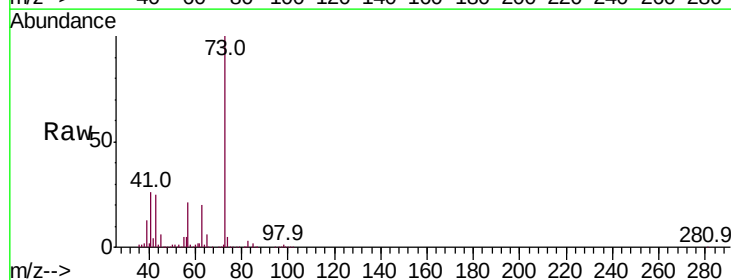
Acq: 26 Jun 2019 11:44

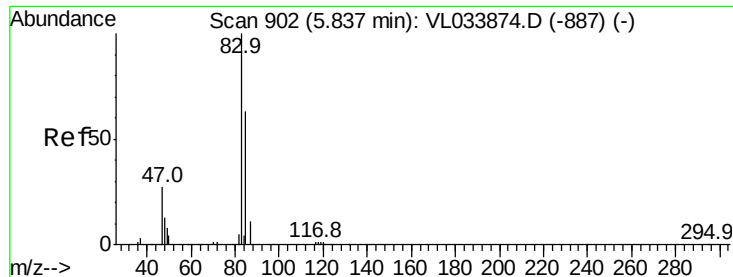
Tgt Ion: 73 Resp: 1701169

Ion Ratio Lower Upper

73 100

57 21.6 17.2 25.8





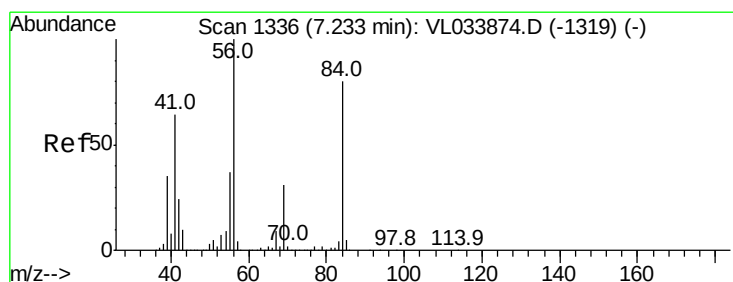
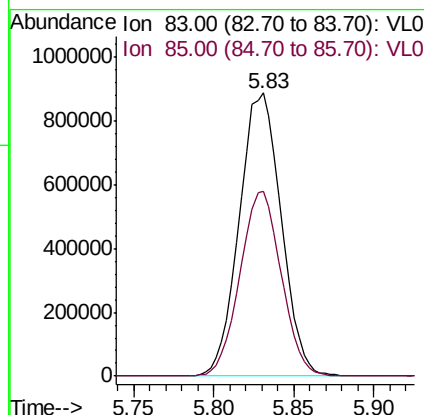
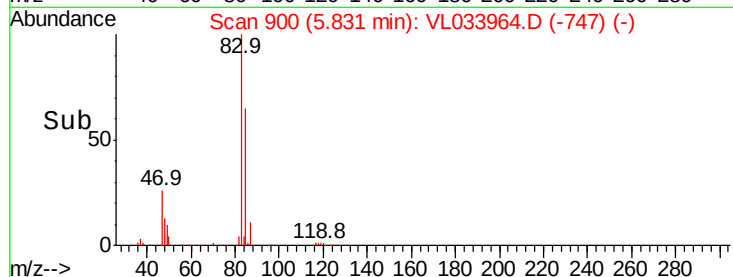
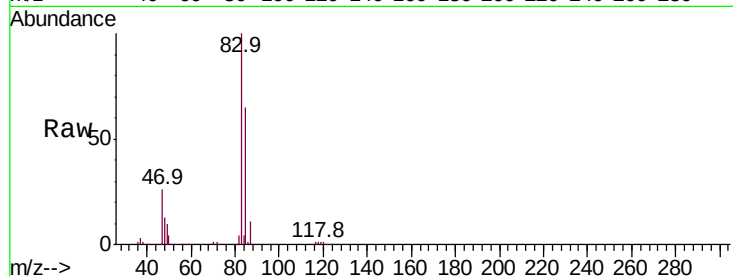
#29
Chloroform
Concen: 9.725 ppbv
RT: 5.83 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1588943
Ion Ratio Lower Upper
83 100
85 65.3 50.5 75.7

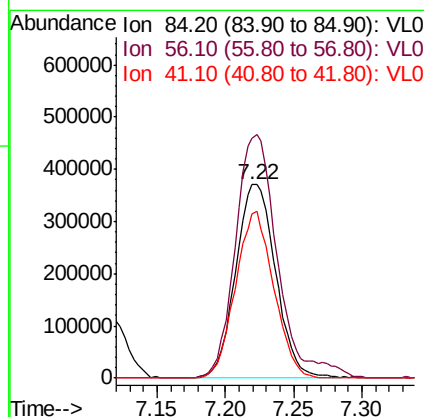
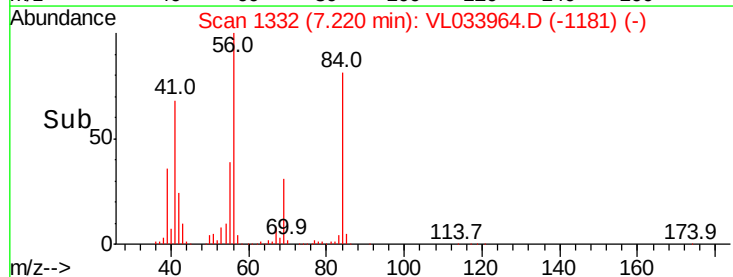
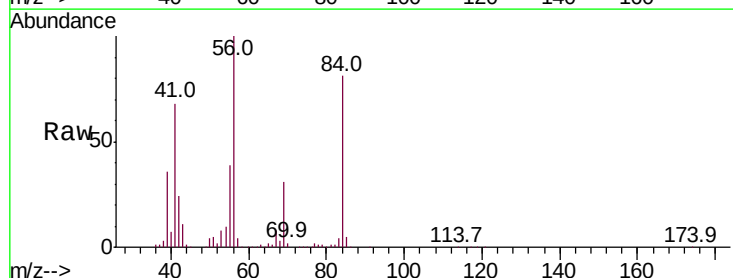
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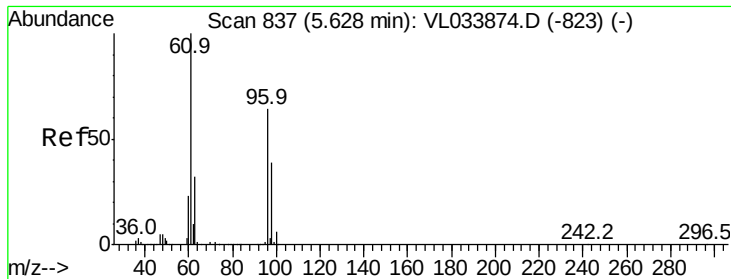
MMDadoda
6/27/2019 3:00:36 PM



#30
Cyclohexane
Concen: 11.219 ppbv
RT: 7.22 min Scan# 1332
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 84 Resp: 756261
Ion Ratio Lower Upper
84 100
56 132.9 105.8 158.8
41 82.5 65.7 98.5





#31

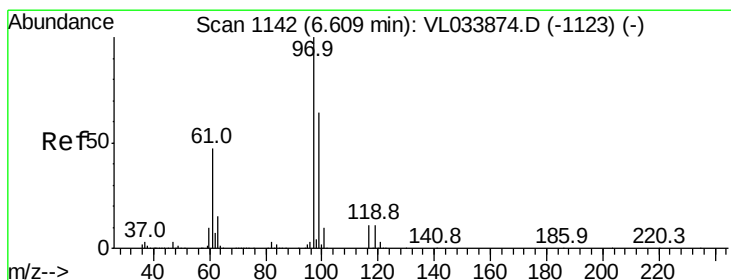
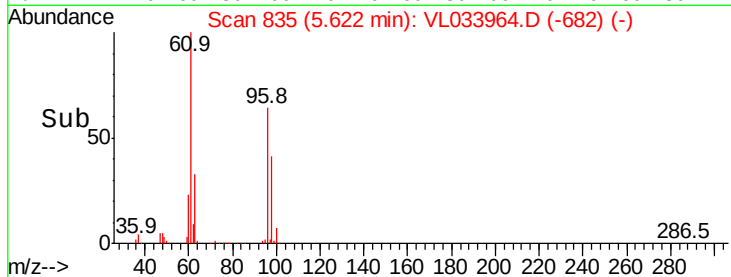
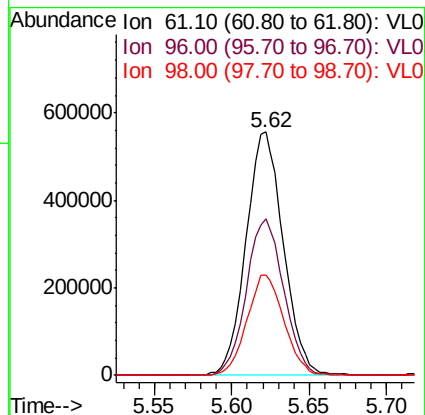
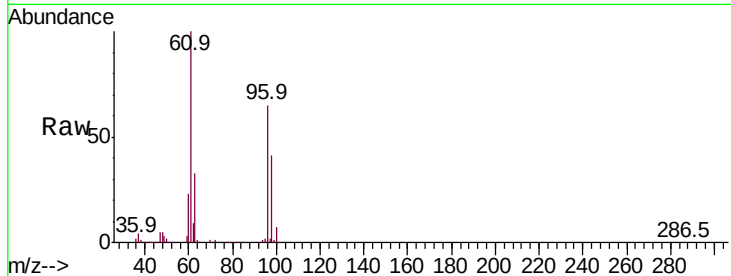
cis-1,2-Dichloroethene
Concen: 11.178 ppbv
RT: 5.62 min Scan# 835
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.4	50.9	76.3
98	41.0	31.4	47.2

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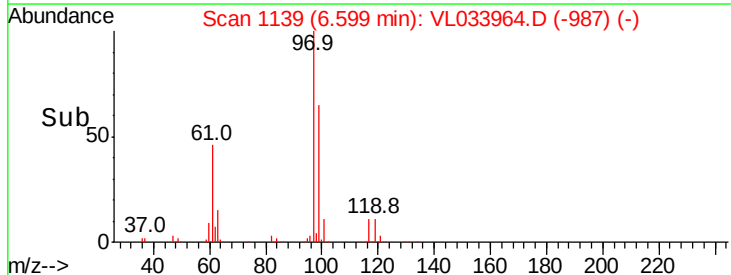
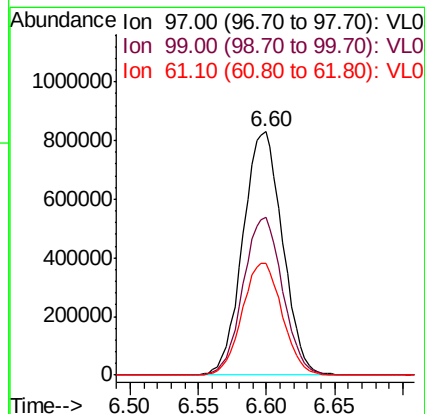
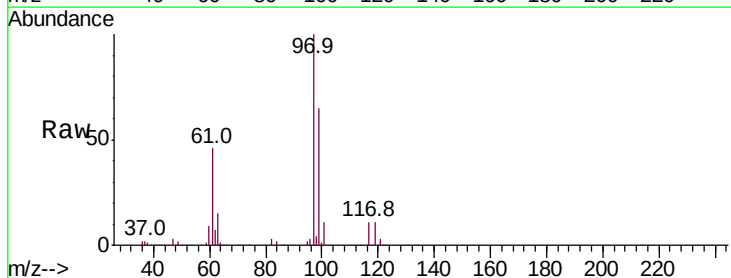
MMDadoda
6/27/2019 3:00:36 PM

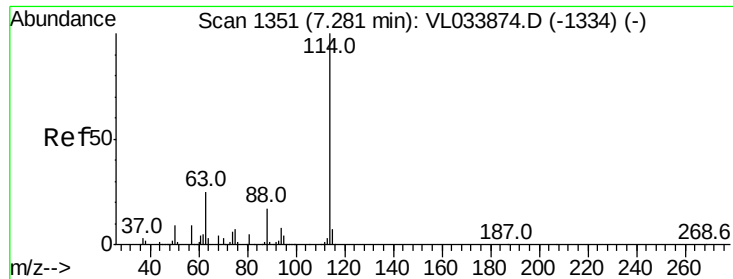


#32

1,1,1-Trichloroethane
Concen: 10.634 ppbv
RT: 6.60 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	46.5	37.7	56.5





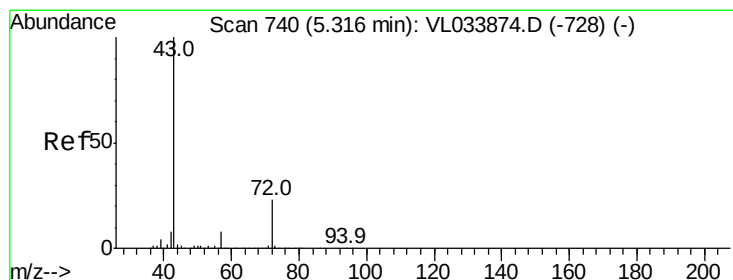
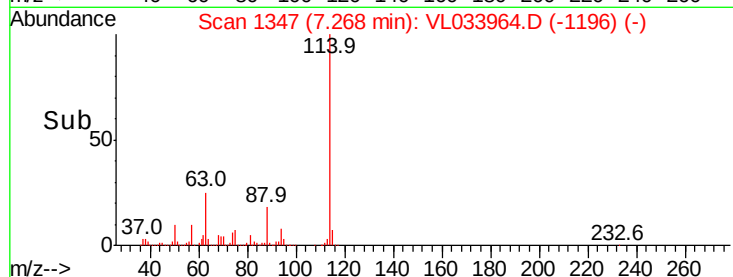
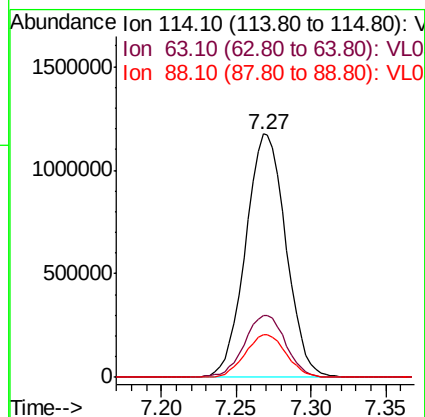
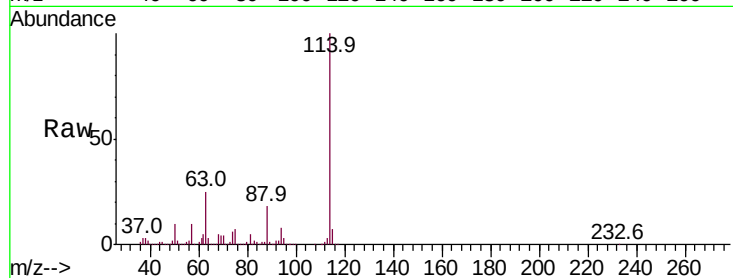
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 2204365
 Ion Ratio Lower Upper
 114 100
 63 26.4 21.1 31.7
 88 17.8 14.2 21.4

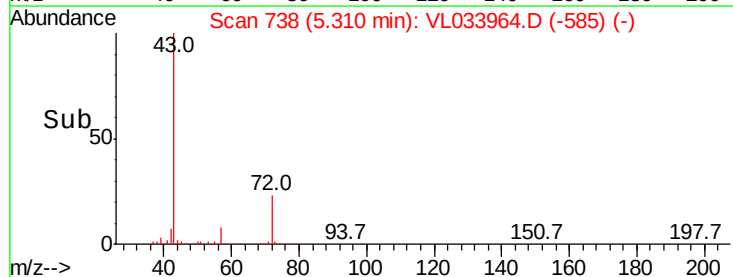
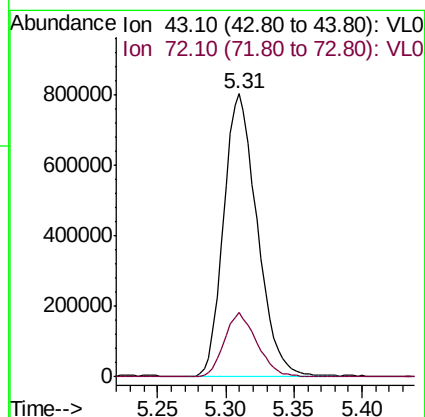
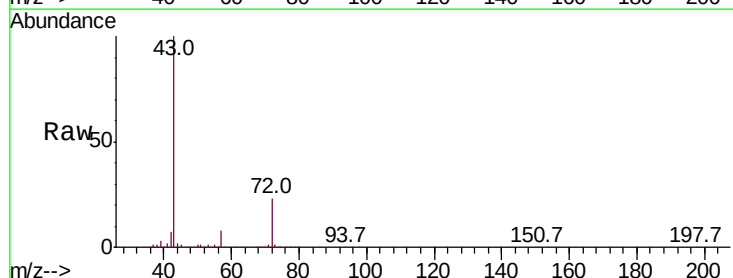
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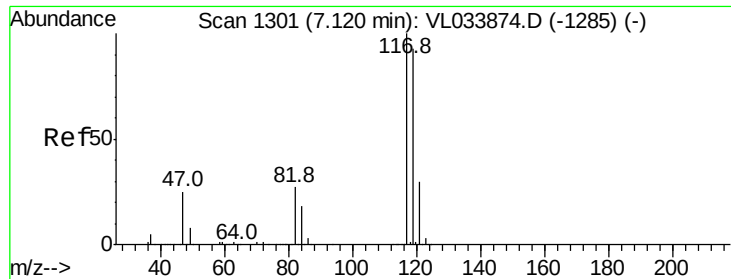
MMDadoda
 6/27/2019 3:00:36 PM



#34
 2-Butanone
 Concen: 10.967 ppbv
 RT: 5.31 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Tgt Ion: 43 Resp: 1363885
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.9 26.9





#35

Carbon Tetrachloride

Concen: 10.260 ppbv

RT: 7.11 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1747368

Ion Ratio Lower Upper

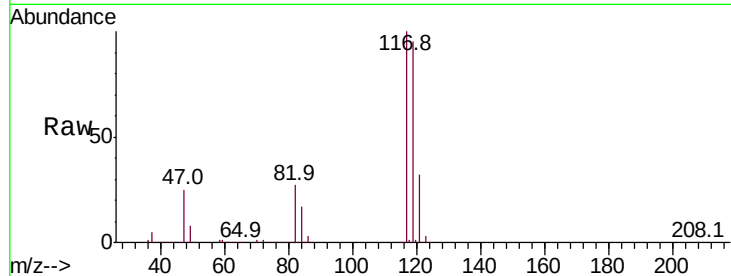
117 100

119 95.4 74.6 111.8

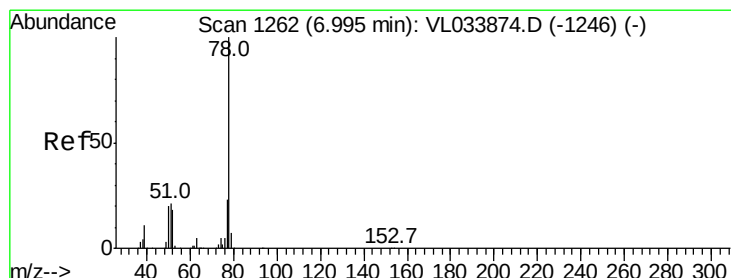
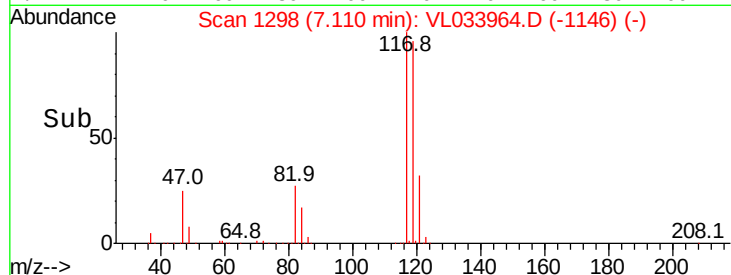
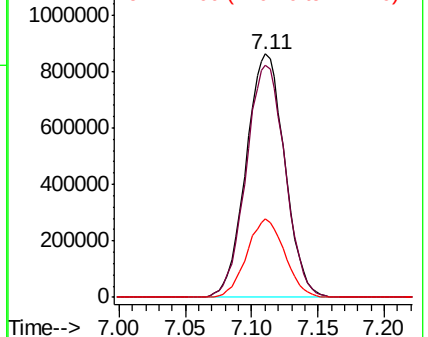
121 32.3 24.0 36.0

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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: 10.878 ppbv

RT: 6.98 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

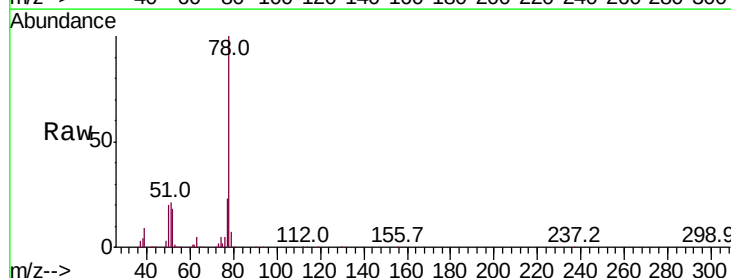
Tgt Ion: 78 Resp: 1831770

Ion Ratio Lower Upper

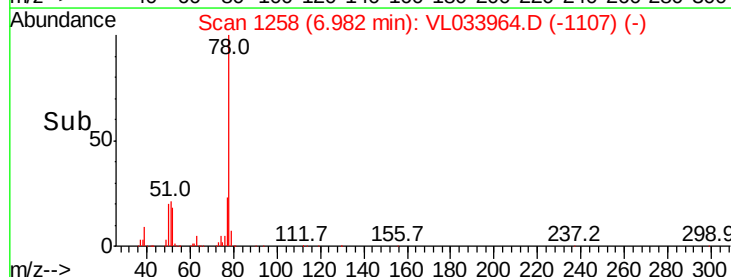
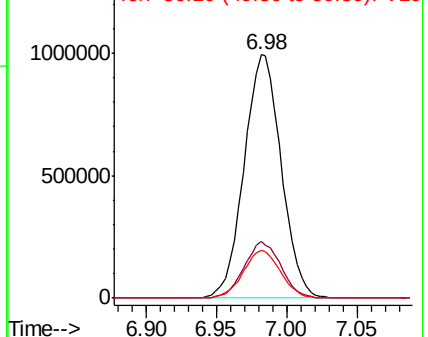
78 100

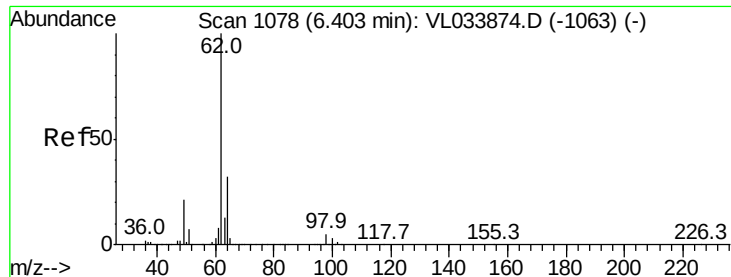
77 23.3 18.2 27.2

50 19.8 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: 9.850 ppbv

RT: 6.39 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L

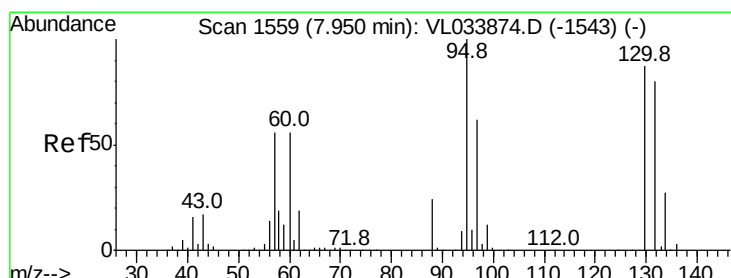
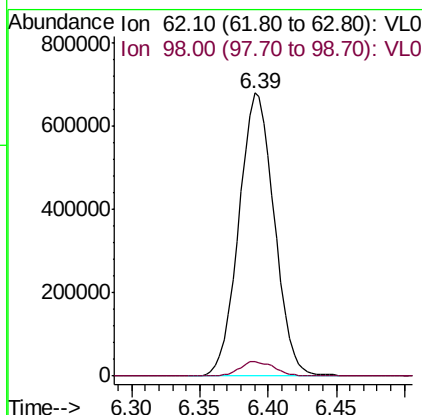
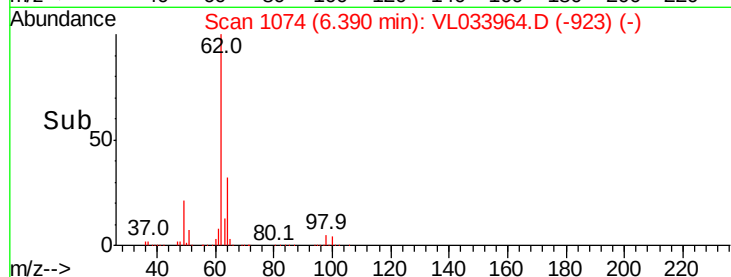
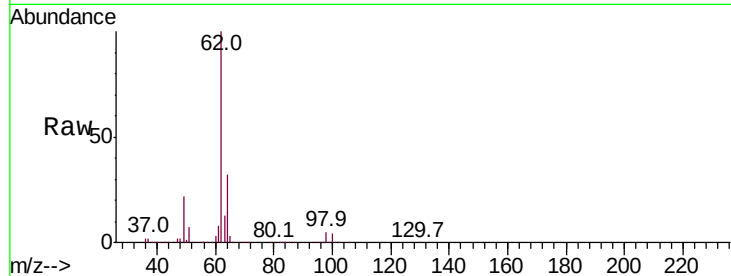
ClientSampleId :
VSTDCCC010

Tot Ion: 62 Resp: 1226592

Ion	Ratio	Lower	Upper
62	100		
98	5.3	4.0	6.0

Manual Integrations
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6/27/2019 3:00:36 PM



#38

Trichloroethene

Concen: 11.666 ppbv

RT: 7.94 min Scan# 1555

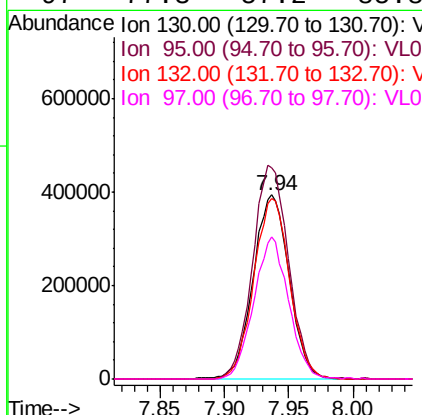
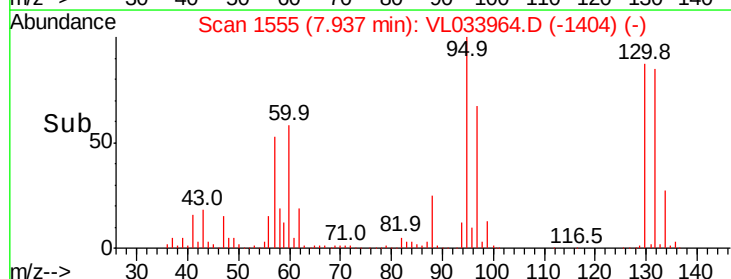
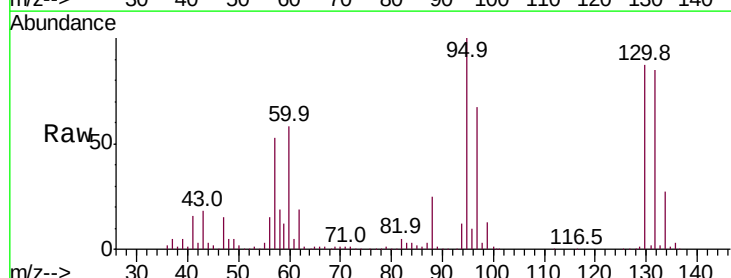
Delta R.T. -0.01 min

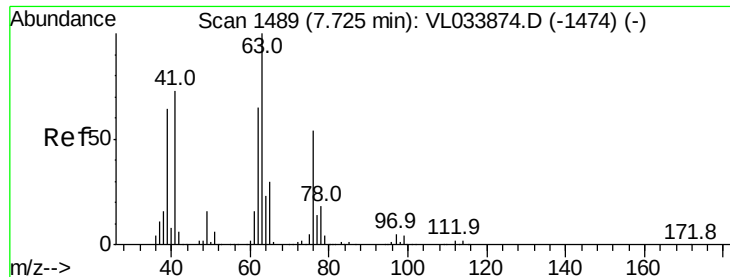
Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Tgt Ion: 130 Resp: 764849

Ion	Ratio	Lower	Upper
130	100		
95	115.1	92.0	138.0
132	98.3	73.8	110.8
97	77.3	57.2	85.8





#39

1,2-Dichloropropane

Concen: 10.721 ppbv

RT: 7.71 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 696723

Ion Ratio Lower Upper

63 100

41 79.9 58.7 88.1

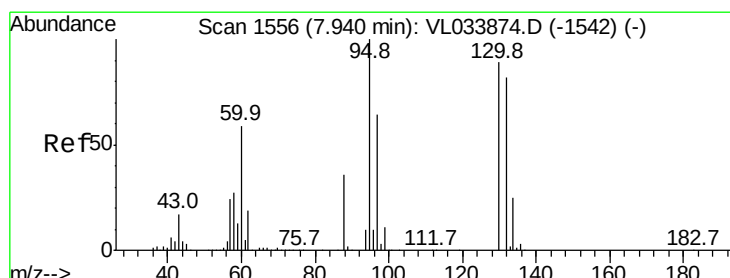
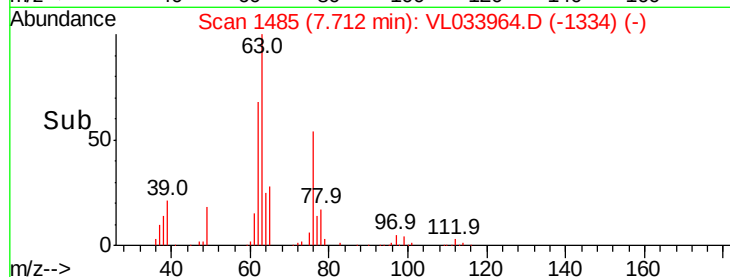
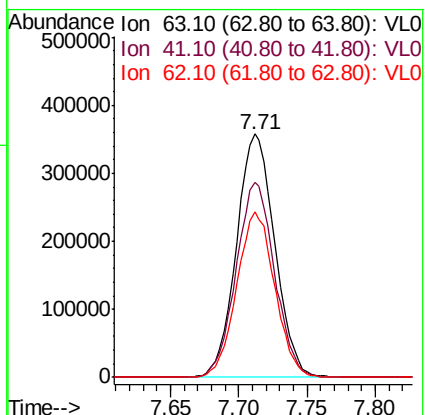
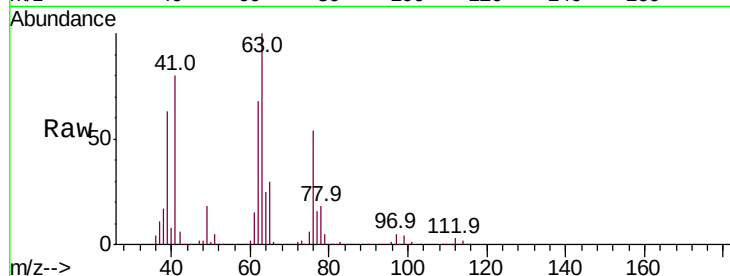
62 67.6 51.9 77.9

Manual Integrations

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#40

1,4-Dioxane

Concen: 10.735 ppbv

RT: 7.93 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Tgt Ion: 88 Resp: 284547

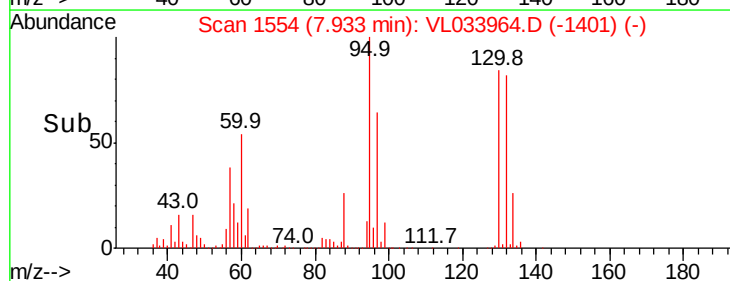
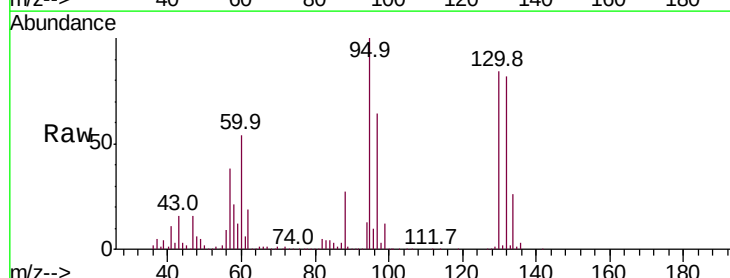
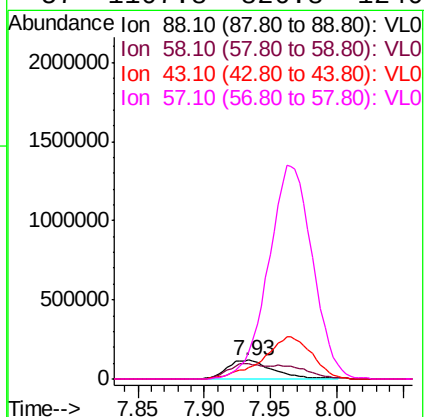
Ion Ratio Lower Upper

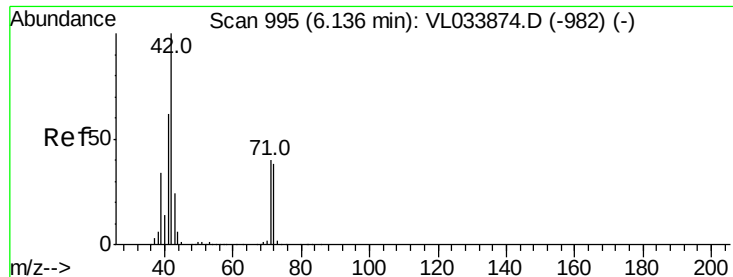
88 100

58 124.9 100.0 150.0

43 244.0 184.7 277.1

57 1107.8 826.8 1240.2





#41

Tetrahydrofuran

Concen: 11.587 ppbv

RT: 6.12 min Scan# 991

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

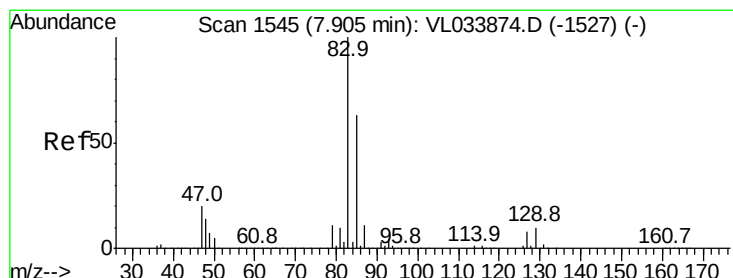
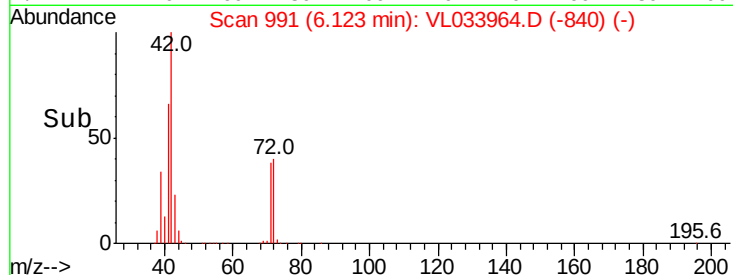
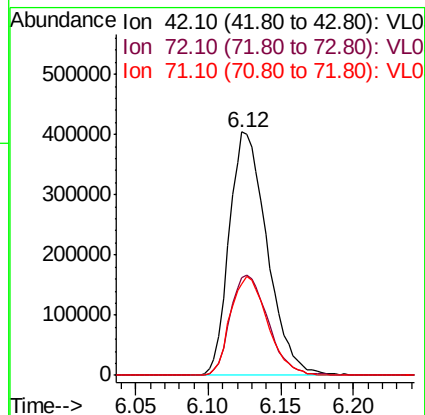
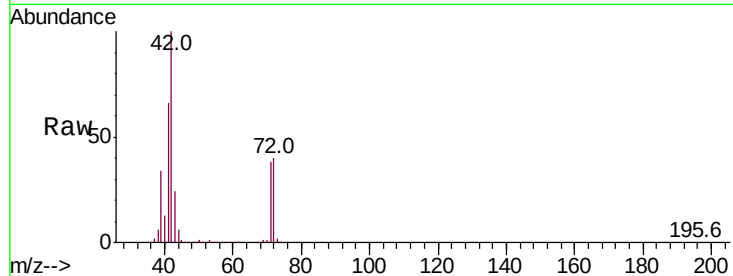
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	731359
Ion Ratio	Lower	Upper	
42	100		
72	41.3	32.2	48.4
71	40.1	31.7	47.5

Manual Integrations
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6/27/2019 3:00:36 PM



#42

Bromodichloromethane

Concen: 10.406 ppbv

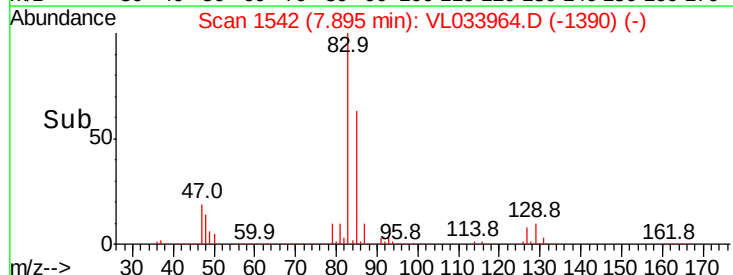
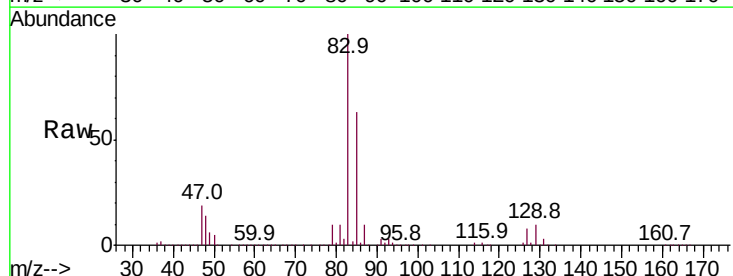
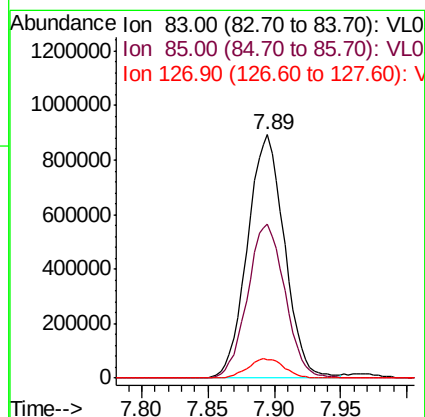
RT: 7.89 min Scan# 1542

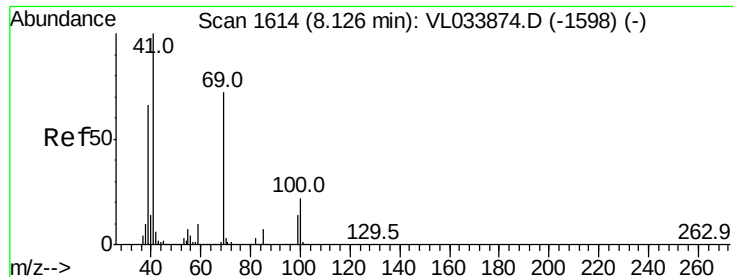
Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Tgt Ion:	83	Resp:	1731733
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.2	75.2
127	7.6	6.5	9.7





#43

Methyl Methacrylate

Concen: 11.827 ppbv

RT: 8.11 min Scan# 1610

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

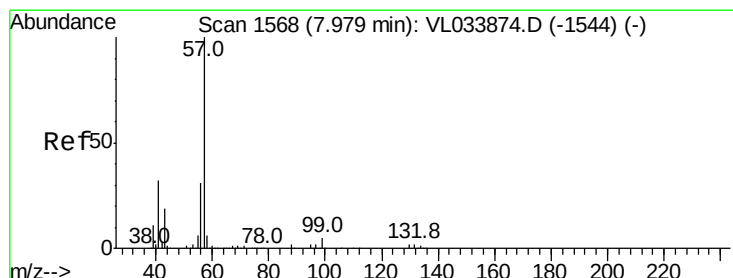
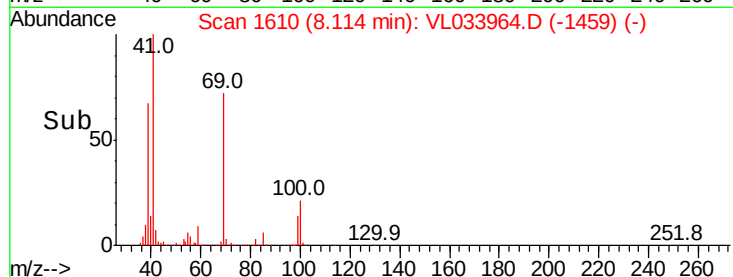
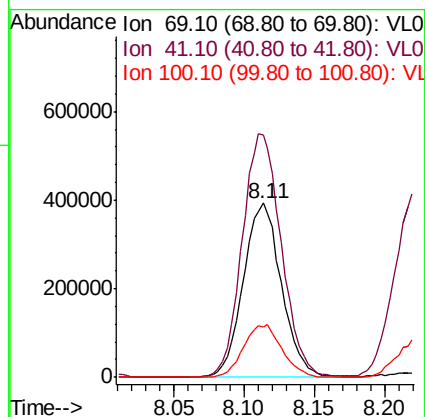
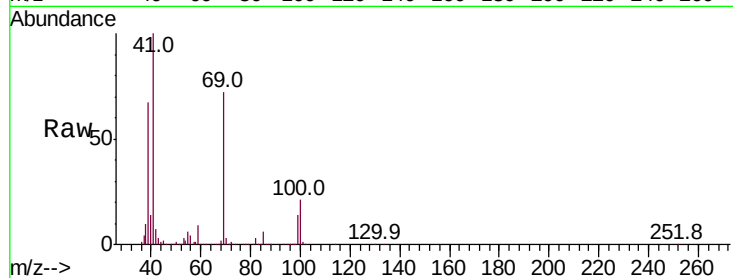
ClientSampleId :

VSTDCCC010

Tot Ion:	69	Resp:	744810
Ion Ratio	Lower	Upper	
69	100		
41	143.3	114.3	171.5
100	30.6	24.8	37.2

Manual Integrations
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6/27/2019 3:00:36 PM



#44

2,2,4-Trimethylpentane

Concen: 10.514 ppbv

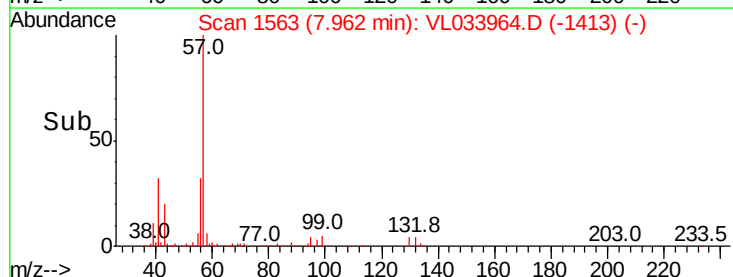
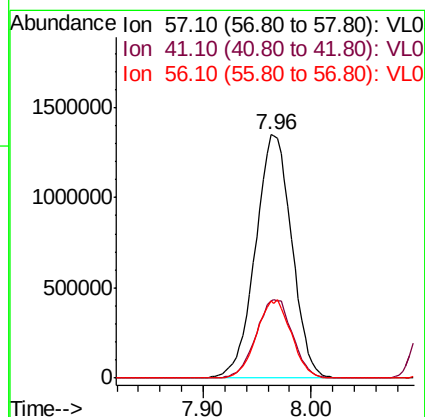
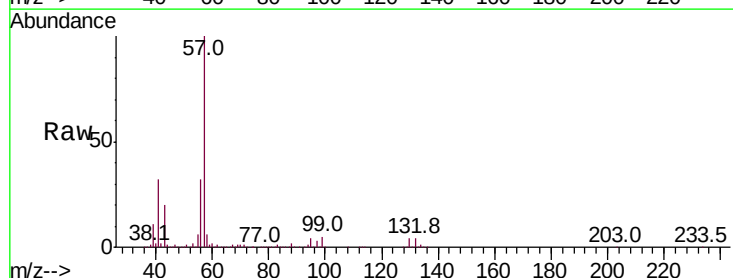
RT: 7.96 min Scan# 1563

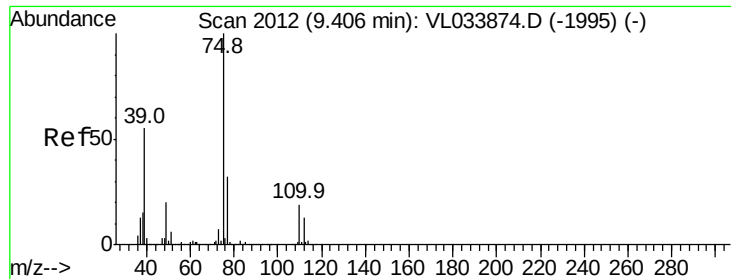
Delta R.T. -0.02 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Tgt Ion:	57	Resp:	3148415
Ion Ratio	Lower	Upper	
57	100		
41	32.5	26.1	39.1
56	31.0	24.6	36.8





#45

t-1,3-Dichloropropene

Concen: 11.469 ppbv

RT: 9.39 min Scan# 2007

Delta R.T. -0.02 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

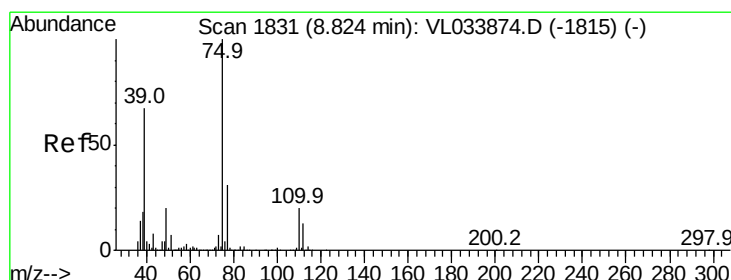
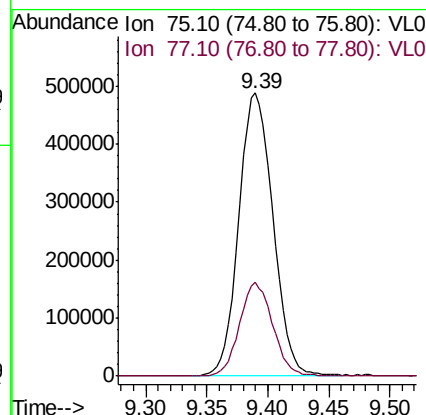
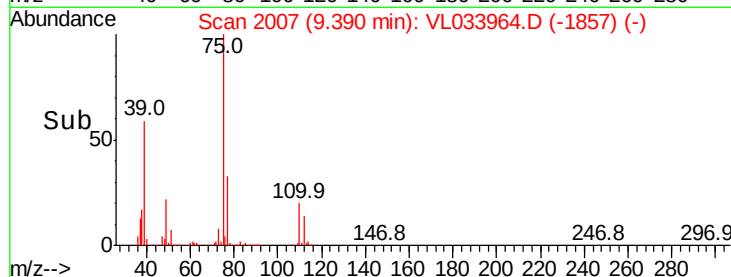
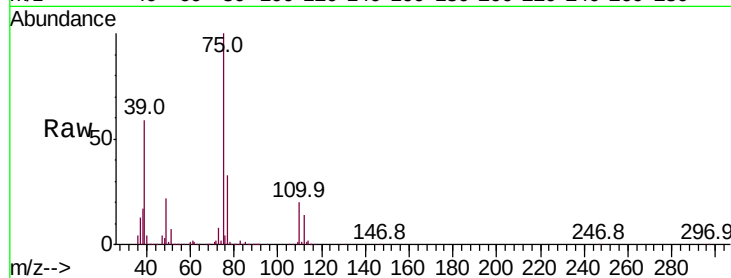
Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion: 75 Resp: 947777

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.2

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#46

cis-1,3-Dichloropropene

Concen: 11.474 ppbv

RT: 8.81 min Scan# 1827

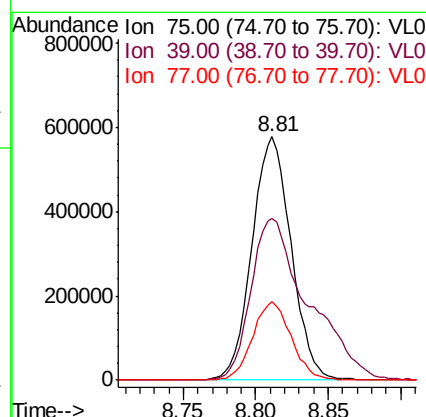
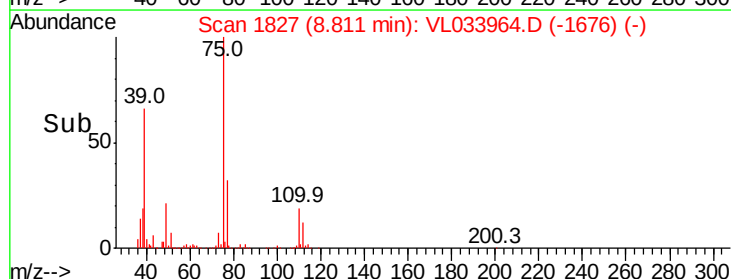
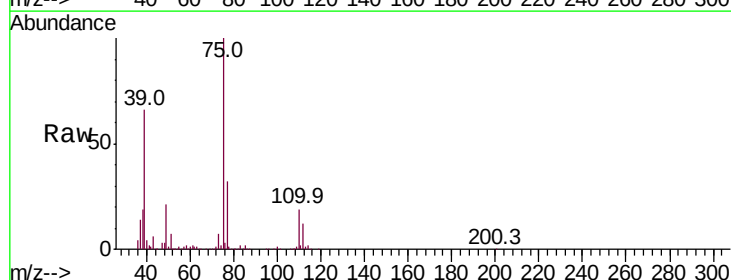
Delta R.T. -0.01 min

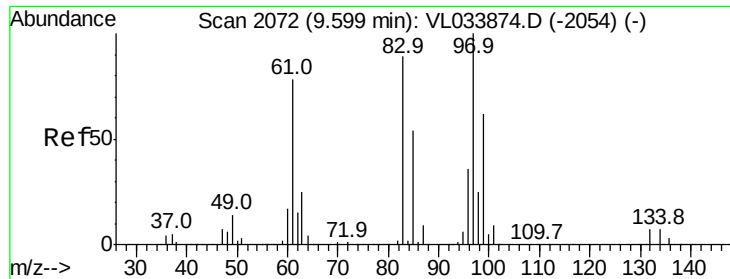
Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Tgt Ion: 75 Resp: 1086313

Ion	Ratio	Lower	Upper
75	100		
39	66.5	53.8	80.8
77	32.2	24.6	36.8





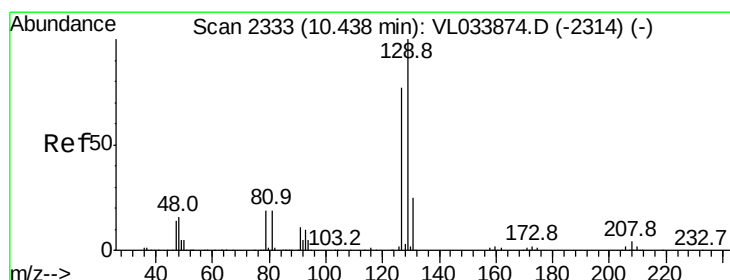
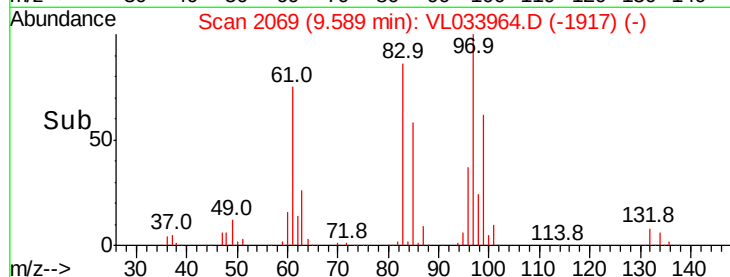
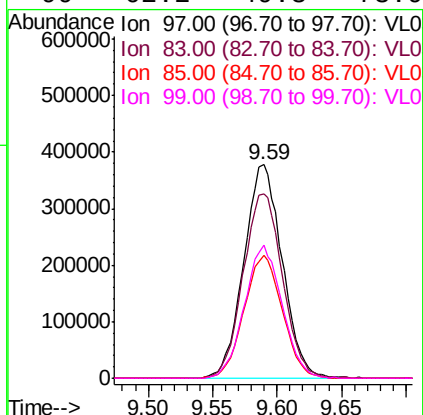
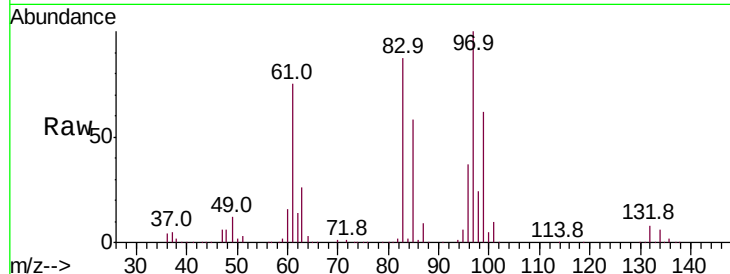
#47
 1,1,2-Trichloroethane
 Concen: 10.094 ppbv
 RT: 9.59 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	97	Resp	782027
Ion Ratio	Lower	Upper	
97	100		
83	86.5	70.9	106.3
85	57.6	43.0	64.6
99	62.2	49.3	73.9

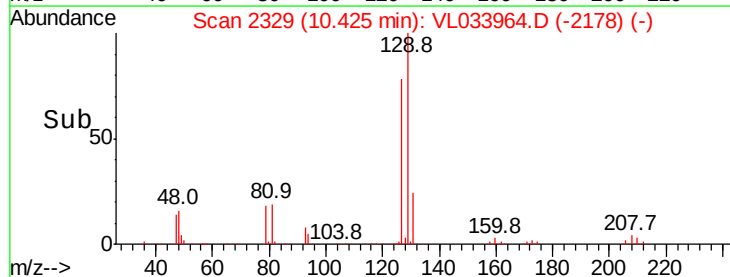
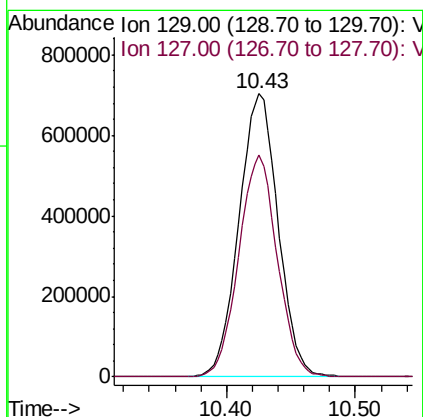
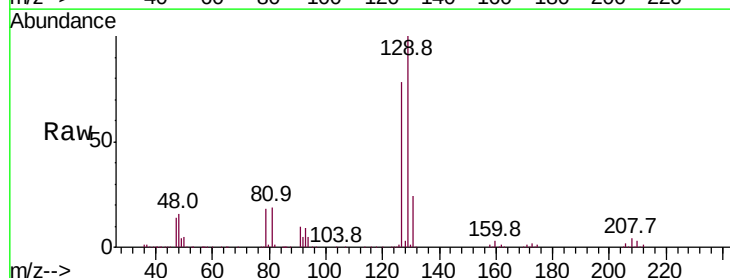
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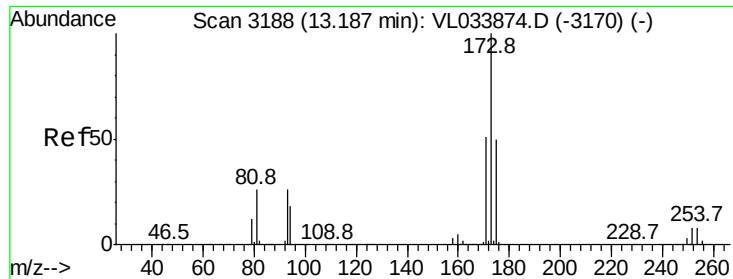
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.681 ppbv
 RT: 10.43 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Tgt Ion	129	Resp	1487079
Ion Ratio	Lower	Upper	
129	100		
127	77.2	38.6	115.7





#49

Bromoform

Concen: 10.719 ppbv

RT: 13.17 min Scan# 3183

Delta R.T. -0.02 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1317429

Ion Ratio Lower Upper

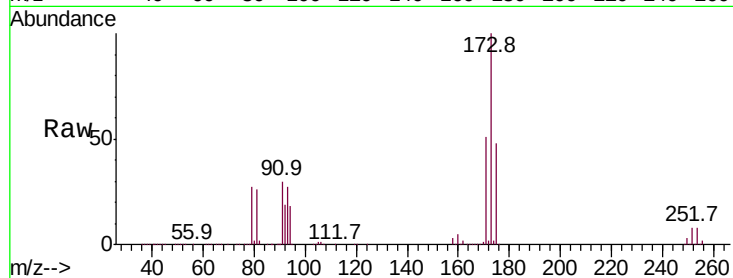
173 100

175 48.5 39.6 59.4

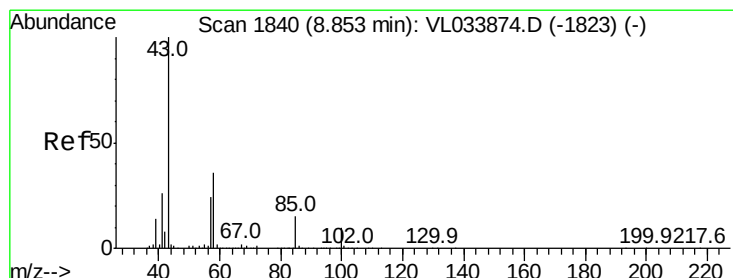
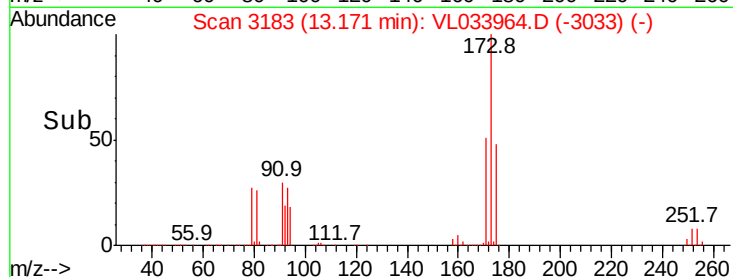
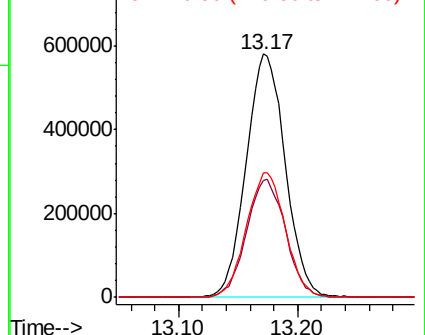
171 51.4 41.8 62.8

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



#50

4-Methyl-2-Pentanone

Concen: 10.697 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VL033964.D

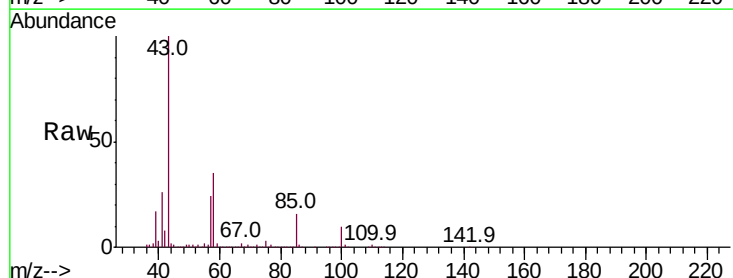
Acq: 26 Jun 2019 11:44

Tgt Ion: 43 Resp: 1983679

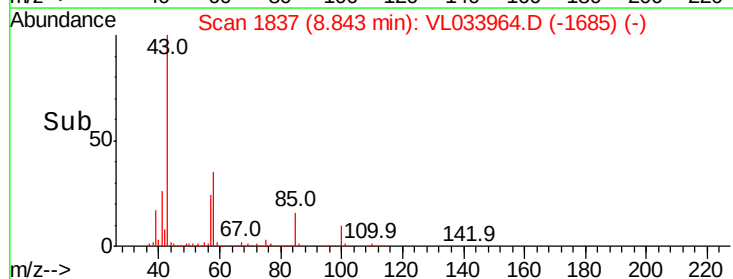
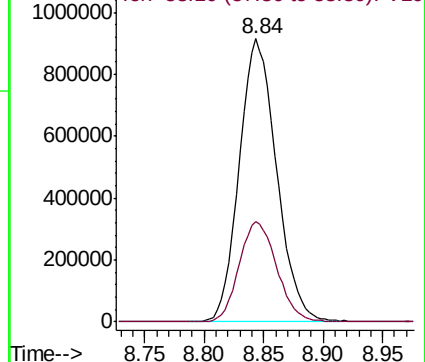
Ion Ratio Lower Upper

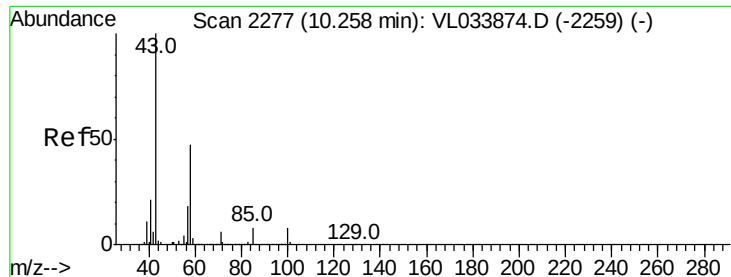
43 100

58 35.8 28.6 42.8



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





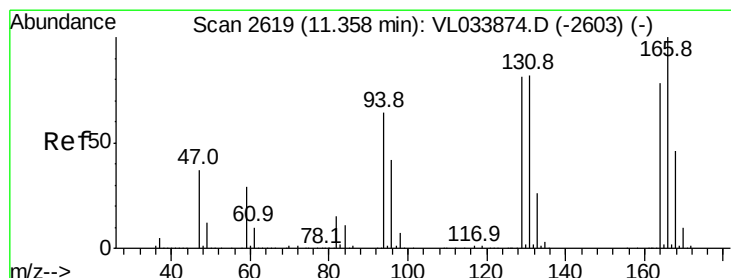
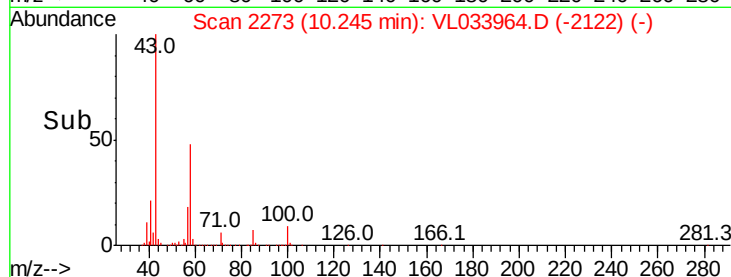
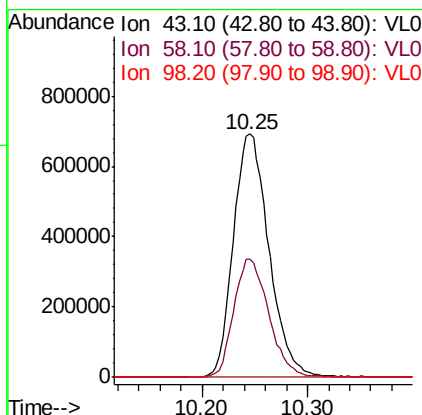
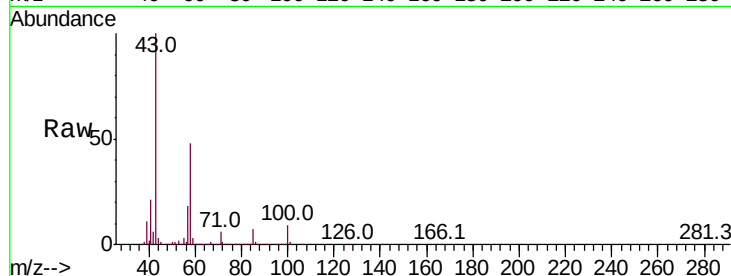
#51
2-Hexanone
Concen: 11.204 ppbv
RT: 10.25 min Scan# 2273
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1622414
Ion Ratio Lower Upper
43 100
58 47.9 38.2 57.4
98 0.3 0.2 0.2#

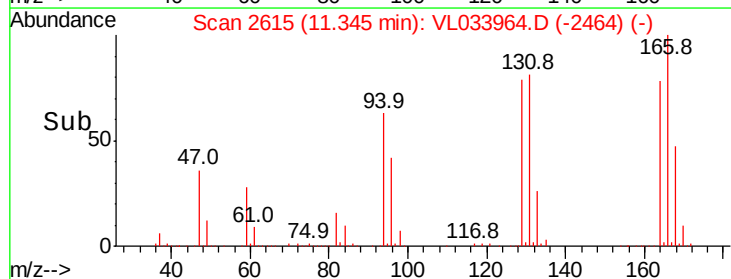
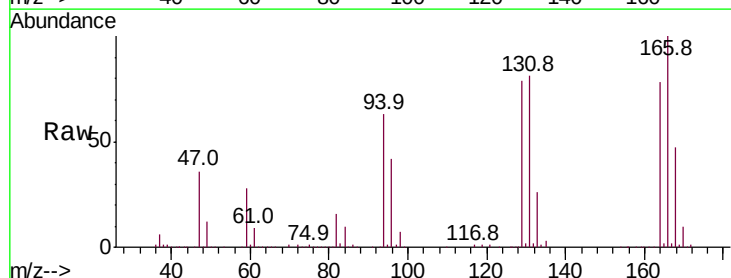
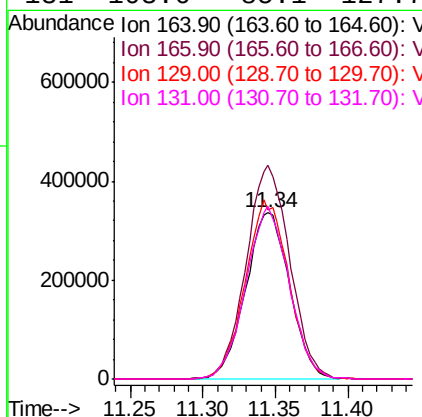
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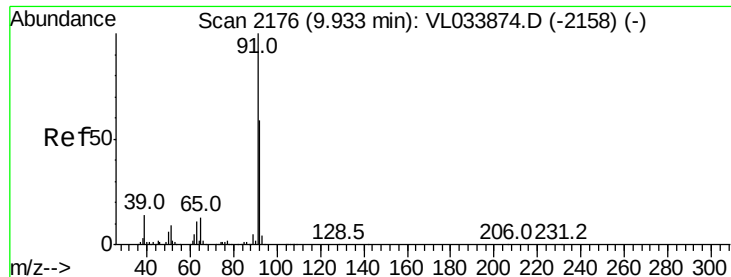
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#52
Tetrachloroethene
Concen: 12.012 ppbv
RT: 11.34 min Scan# 2615
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:164 Resp: 711698
Ion Ratio Lower Upper
164 100
166 128.3 103.1 154.7
129 101.7 83.9 125.9
131 103.6 85.1 127.7





#53

Toluene

Concen: 11.466 ppbv

RT: 9.92 min Scan# 2172

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2136649

Ion Ratio Lower Upper

91 100

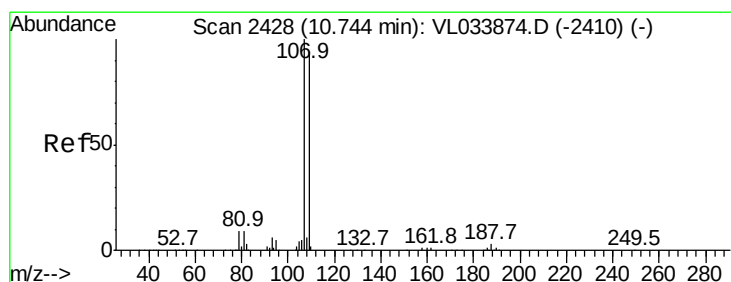
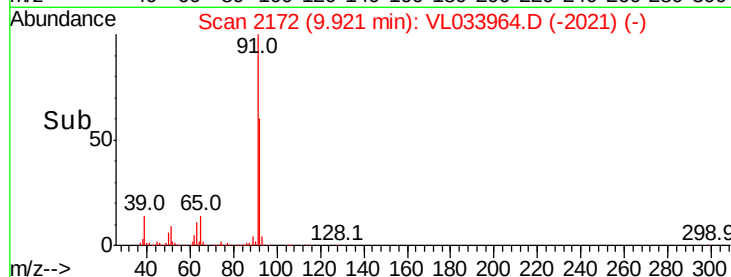
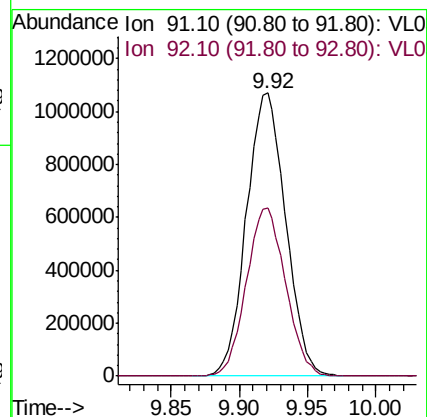
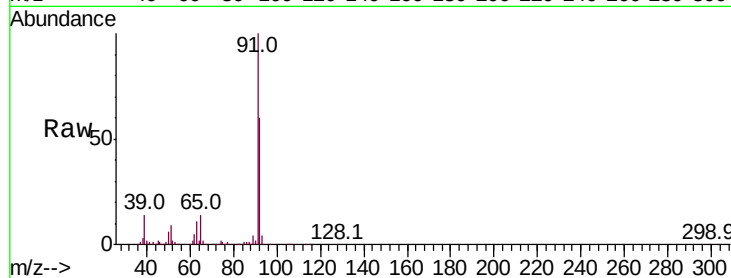
92 59.5 47.0 70.6

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#54

1,2-Dibromoethane

Concen: 10.602 ppbv

RT: 10.73 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL033964.D

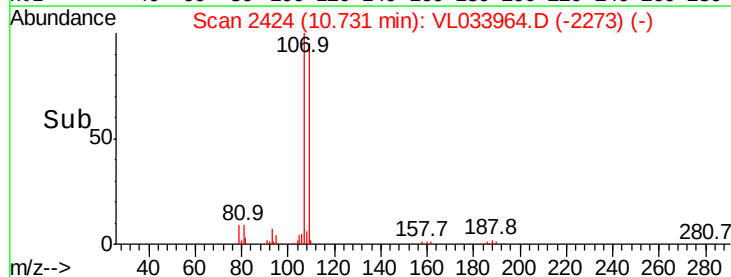
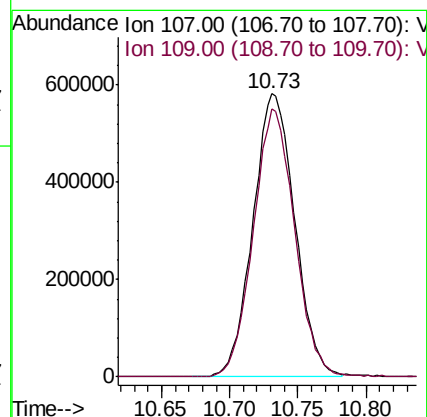
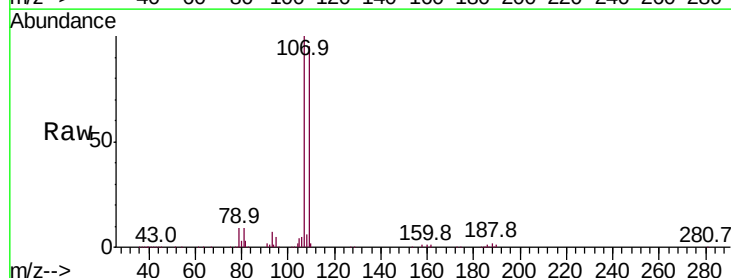
Acq: 26 Jun 2019 11:44

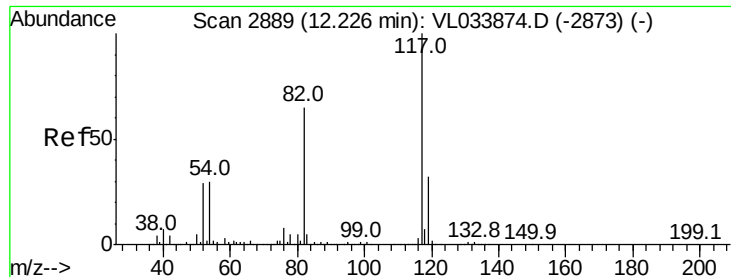
Tgt Ion: 107 Resp: 1238200

Ion Ratio Lower Upper

107 100

109 94.7 74.9 112.3





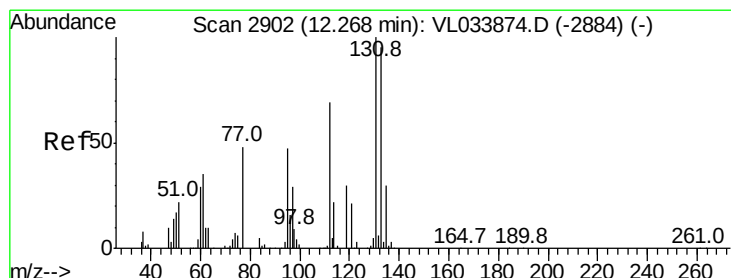
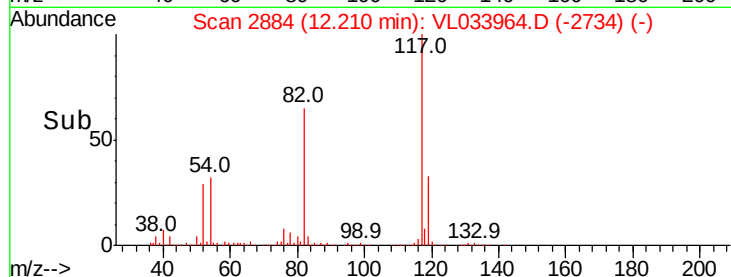
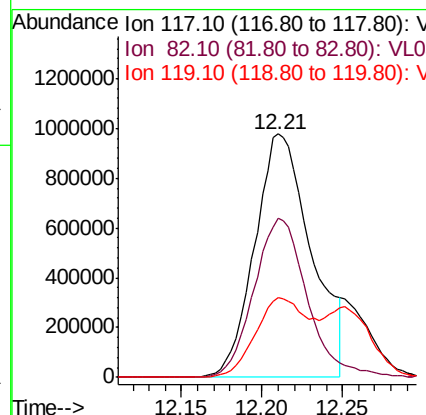
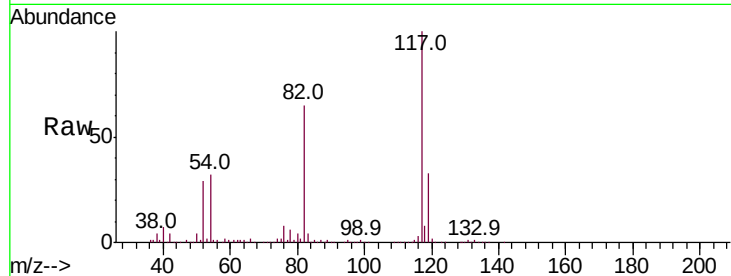
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.21 min Scan# 2884
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2387152
Ion Ratio Lower Upper
117 100
82 61.7 50.2 75.2
119 31.6 24.8 37.2

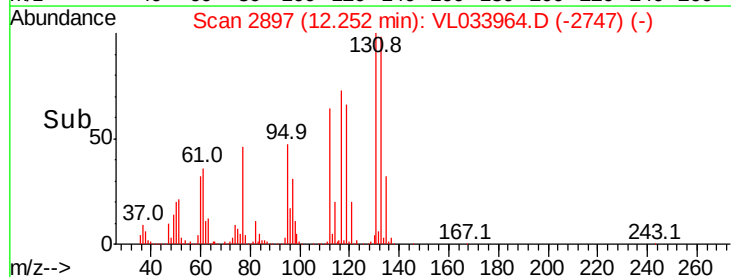
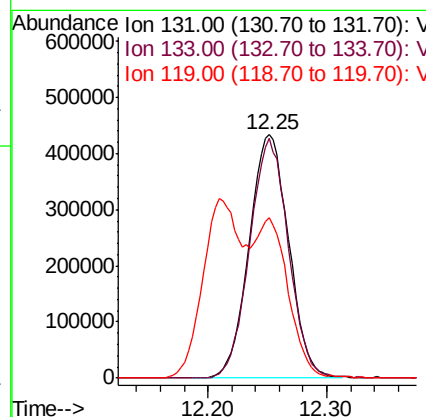
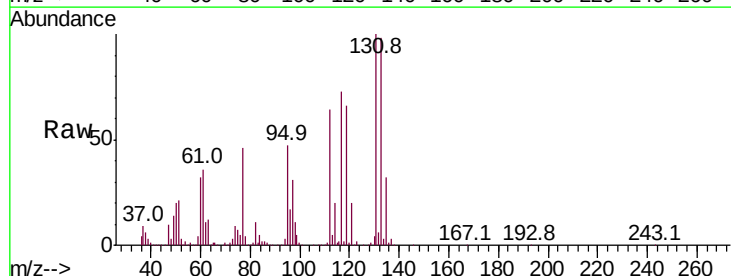
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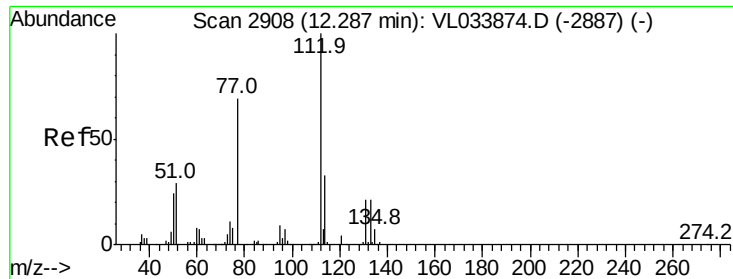
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.571 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:131 Resp: 998062
Ion Ratio Lower Upper
131 100
133 96.6 76.5 114.7
119 54.7 42.6 64.0





#57

Chlorobenzene

Concen: 9.396 ppbv

RT: 12.27 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

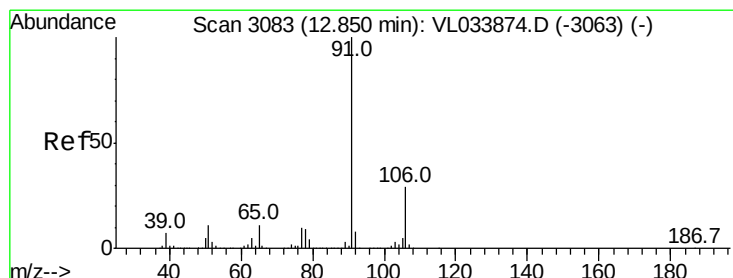
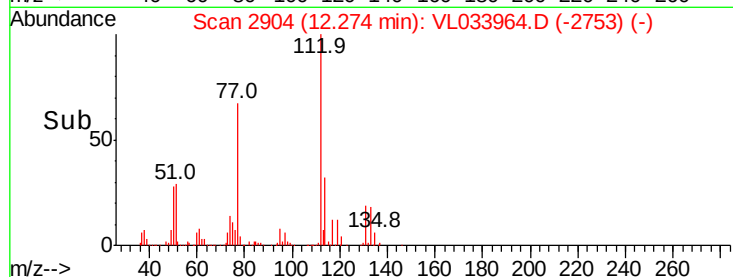
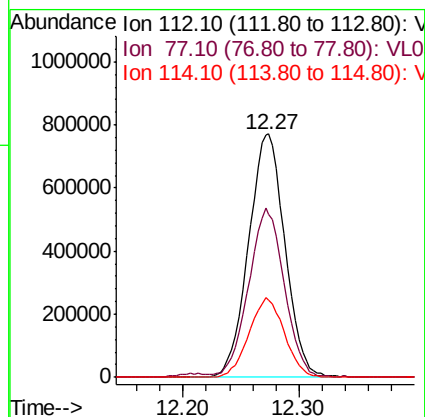
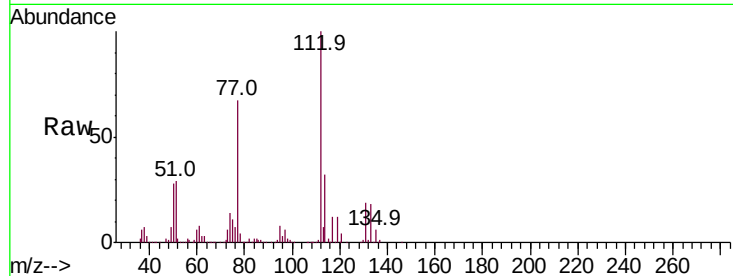
ClientSampleId :

VSTDCCC010

Tot Ion:	112	Resp:	1679831
Ion	Ratio	Lower	Upper
112	100		
77	66.7	55.8	83.6
114	31.6	29.8	36.4

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#58

Ethyl Benzene

Concen: 10.971 ppbv

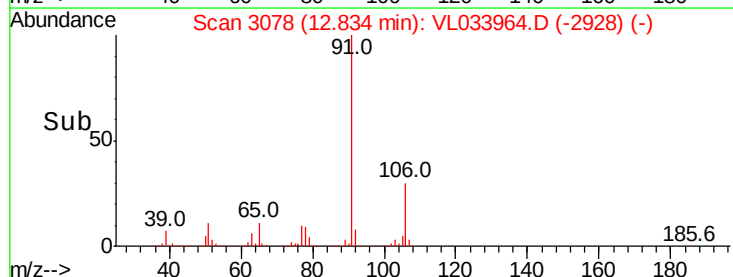
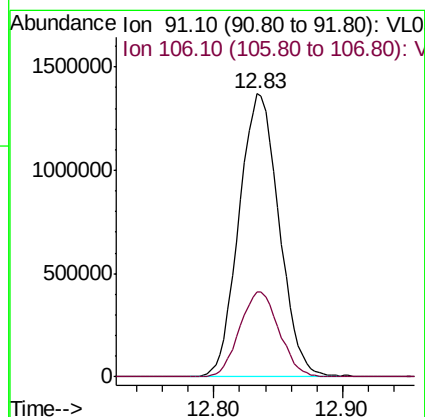
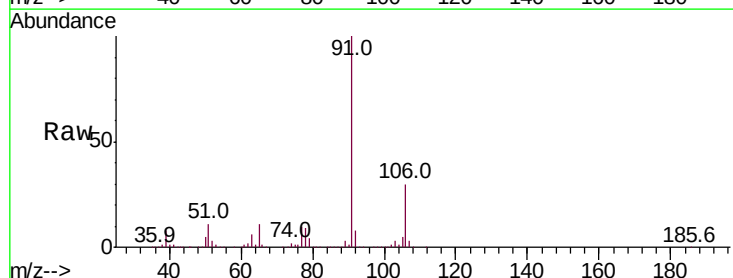
RT: 12.83 min Scan# 3078

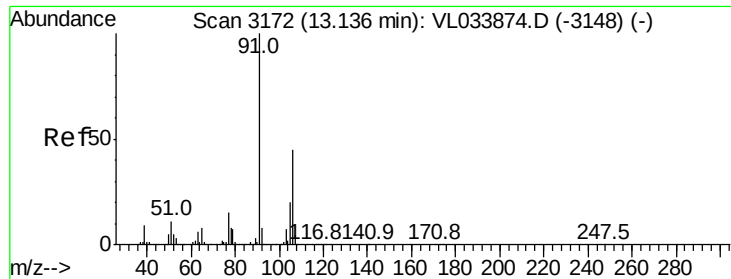
Delta R.T. -0.02 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Tgt Ion:	91	Resp:	2952612
Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.0	34.6





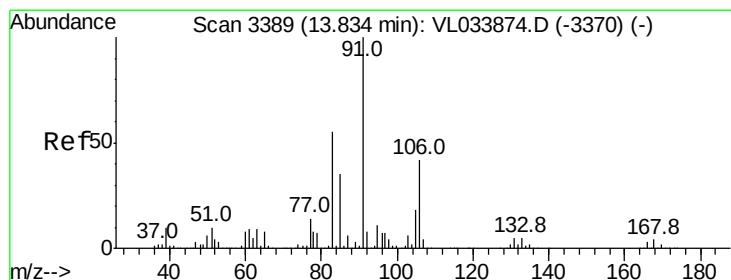
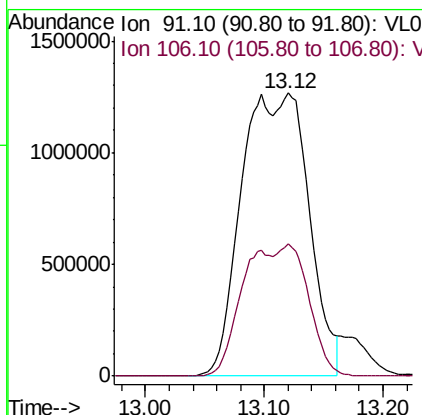
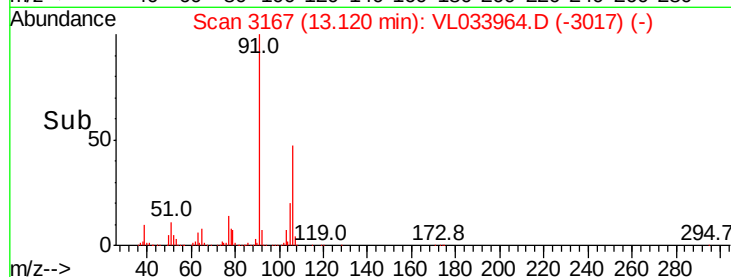
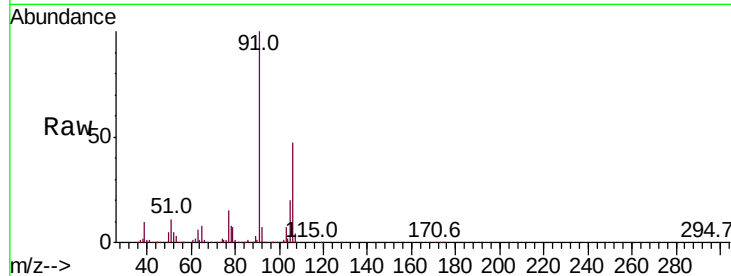
#59
m/p-Xylene
Concen: 20.520 ppbv m
RT: 13.12 min Scan# 3167
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 5022099
Ion Ratio Lower Upper
91 100
106 45.4 35.8 53.8

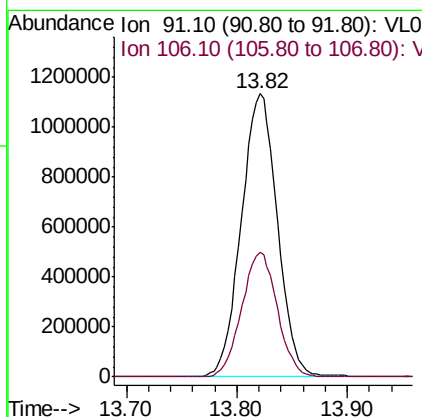
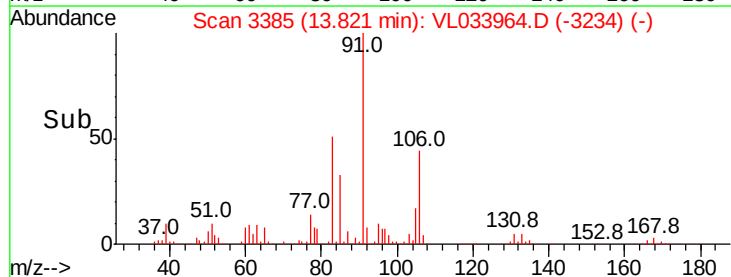
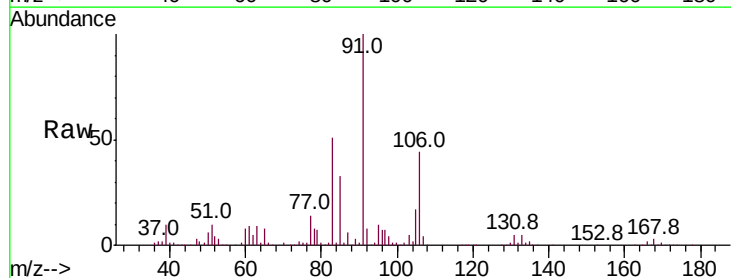
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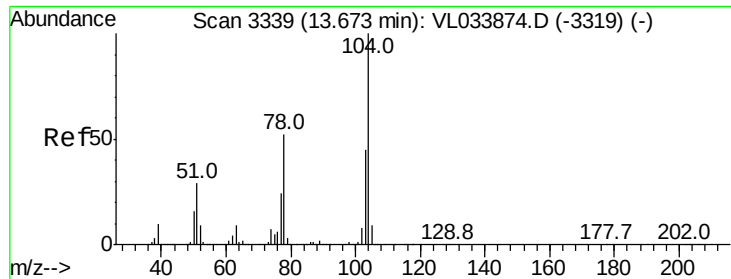
MMDadoda
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#60
o-Xylene
Concen: 10.172 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 91 Resp: 2570326
Ion Ratio Lower Upper
91 100
106 43.6 21.7 65.1





#61

Stvrene

Concen: 11.060 ppbv

RT: 13.66 min Scan# 3334

Delta R.T. -0.02 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 1808647

Ion Ratio Lower Upper

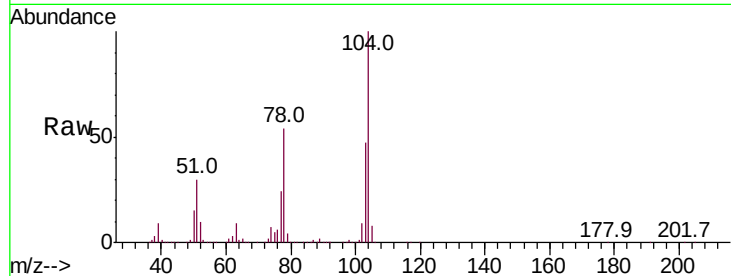
104 100

78 54.5 43.4 65.0

103 46.5 37.6 56.4

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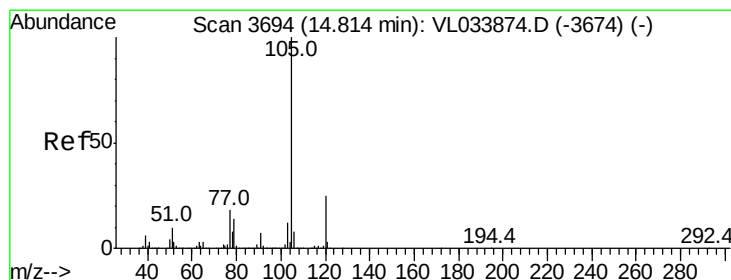
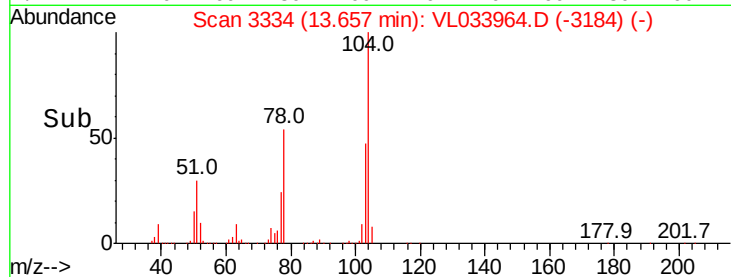
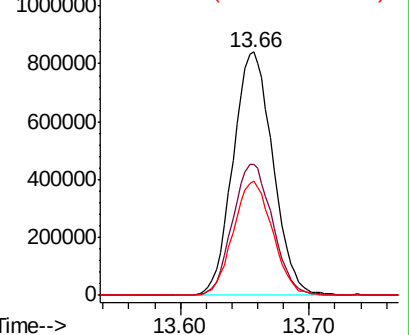
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.150 ppbv

RT: 14.80 min Scan# 3689

Delta R.T. -0.02 min

Lab File: VL033964.D

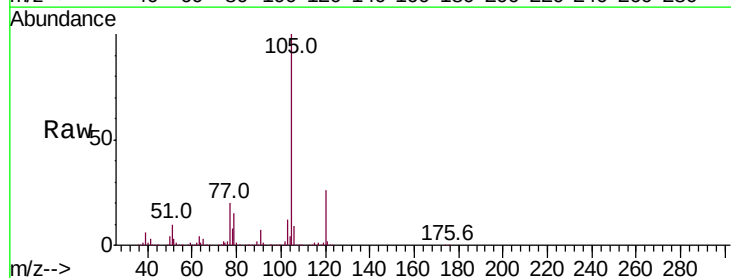
Acq: 26 Jun 2019 11:44

Tgt Ion:105 Resp: 3456990

Ion Ratio Lower Upper

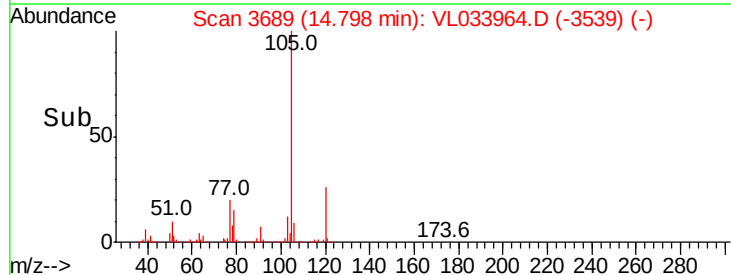
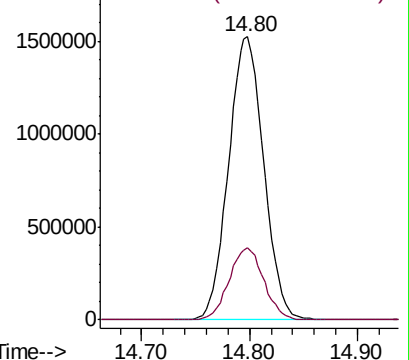
105 100

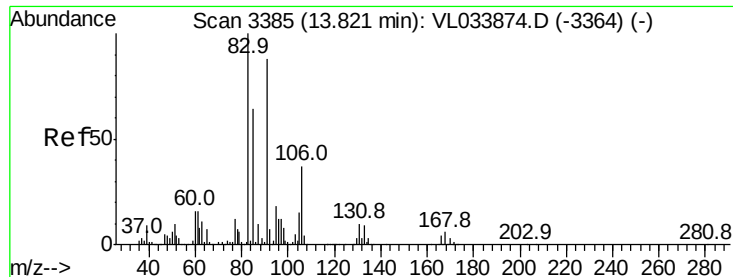
120 25.1 20.3 30.5



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: 9.500 ppbv

RT: 13.81 min Scan# 3381

Delta R.T. -0.01 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 1806961

Ion Ratio Lower Upper

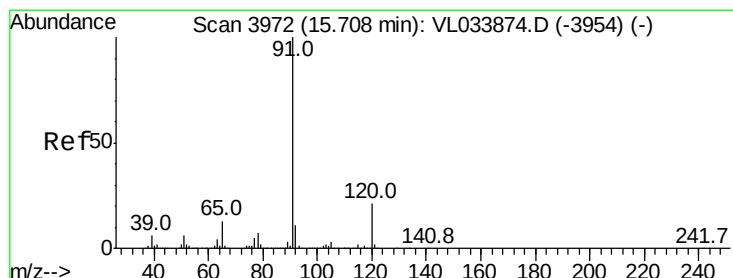
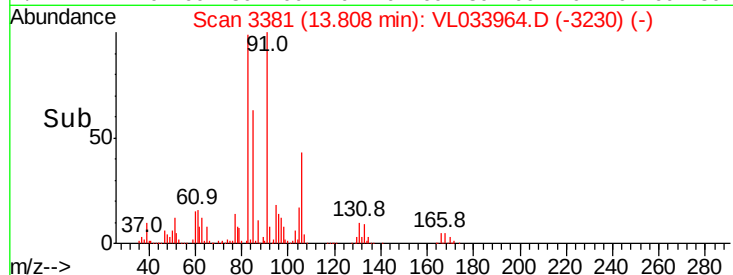
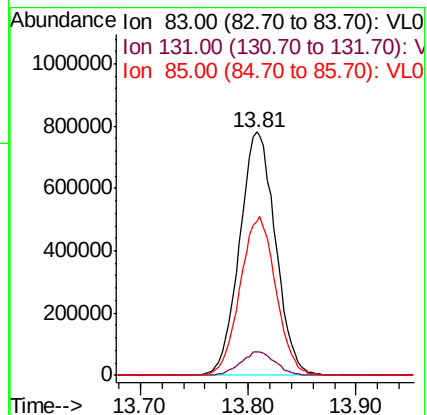
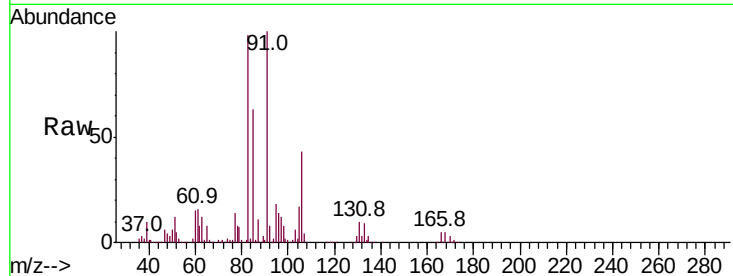
83 100

131 9.5 4.8 14.4

85 65.2 32.1 96.3

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#64

n-propylbenzene

Concen: 10.278 ppbv

RT: 15.69 min Scan# 3967

Delta R.T. -0.02 min

Lab File: VL033964.D

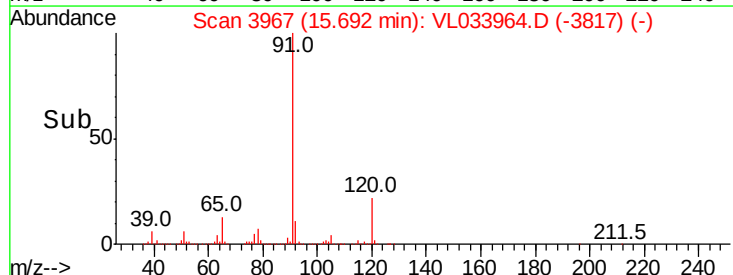
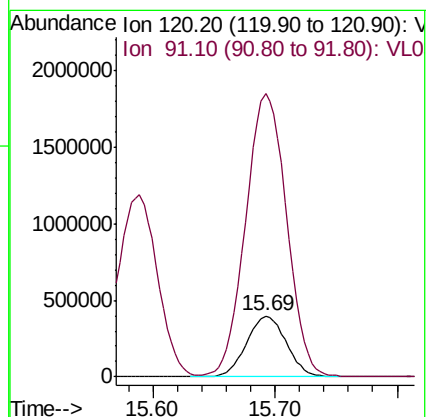
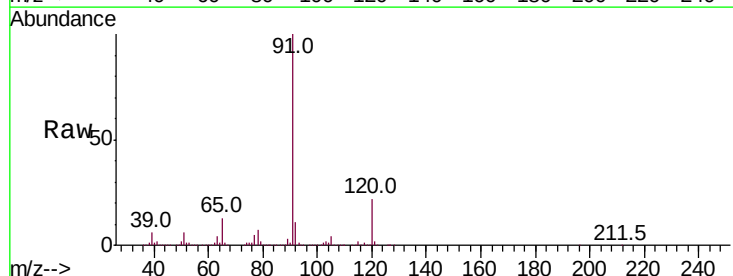
Acq: 26 Jun 2019 11:44

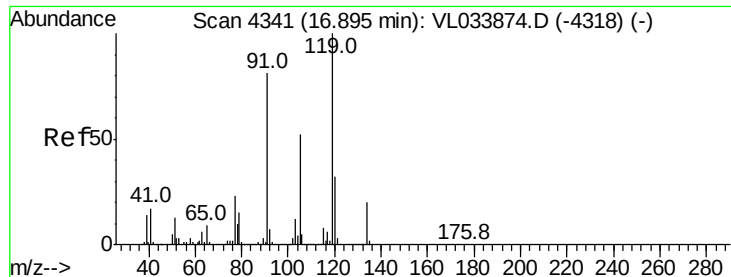
Tgt Ion: 120 Resp: 896451

Ion Ratio Lower Upper

120 100

91 479.5 387.0 580.6





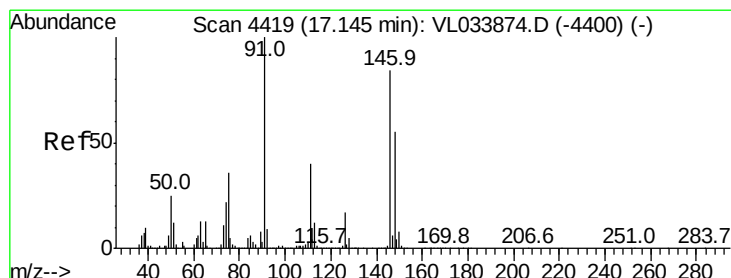
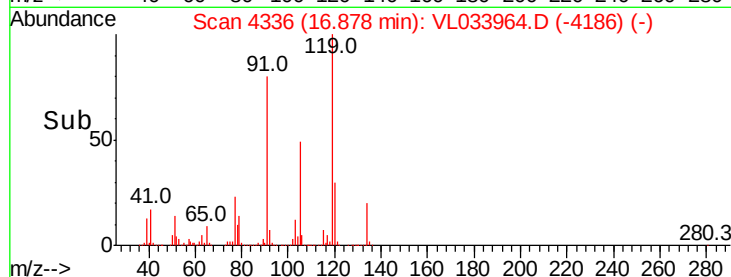
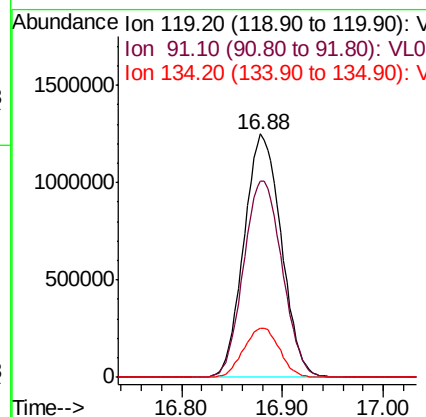
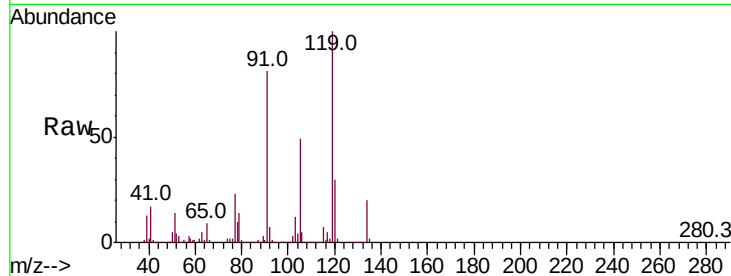
#65
tert-Butylbenzene
Concen: 10.171 ppbv
RT: 16.88 min Scan# 4336
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 3205357
Ion Ratio Lower Upper
119 100
91 83.8 66.6 100.0
134 19.5 15.5 23.3

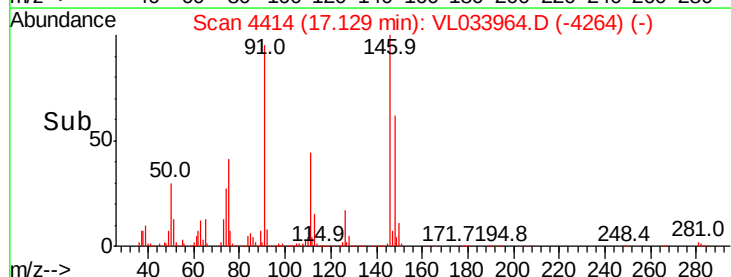
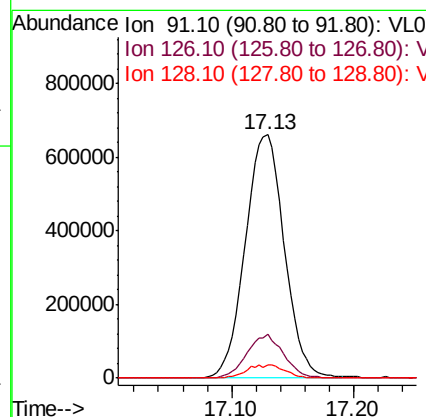
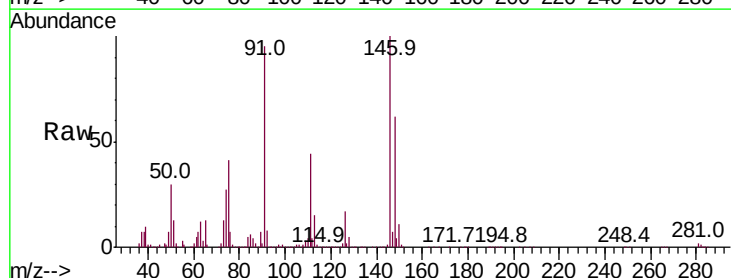
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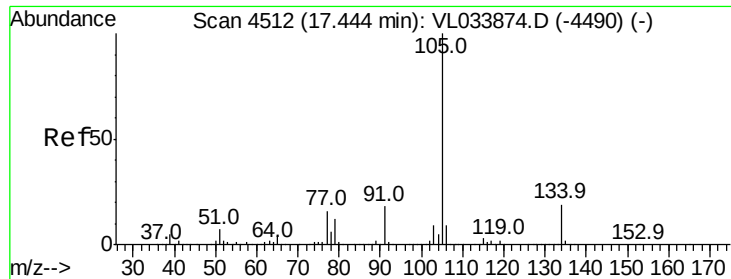
MMDadoda
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#66
Benzyl Chloride
Concen: 9.117 ppbv
RT: 17.13 min Scan# 4414
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 91 Resp: 1455930
Ion Ratio Lower Upper
91 100
126 16.9 13.8 20.6
128 5.4 4.4 6.6





#67

sec-Butylbenzene

Concen: 10.054 ppbv

RT: 17.43 min Scan# 4507

Delta R.T. -0.02 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4444848

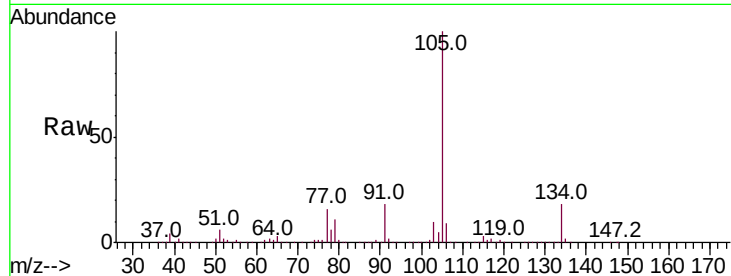
Ion Ratio Lower Upper

105 100

134 18.3 14.6 22.0

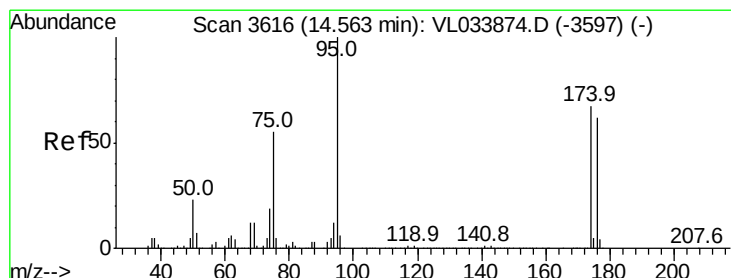
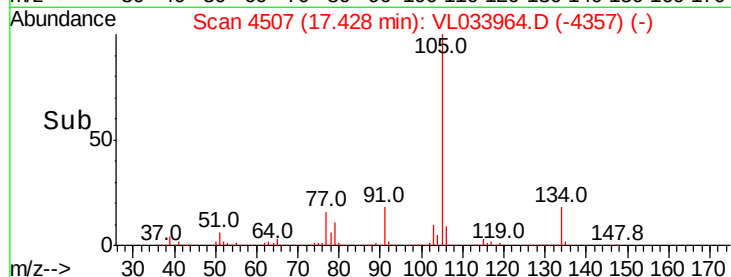
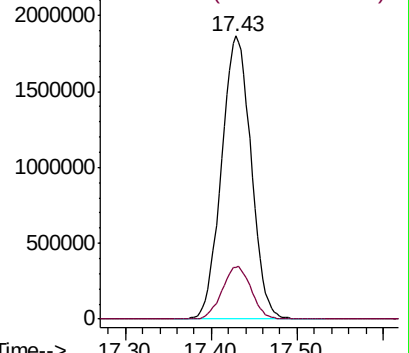
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.230 ppbv

RT: 14.55 min Scan# 3611

Delta R.T. -0.02 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

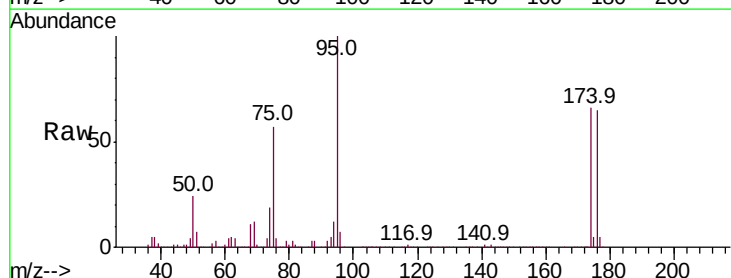
Tgt Ion: 95 Resp: 1809785

Ion Ratio Lower Upper

95 100

174 66.9 54.0 81.0

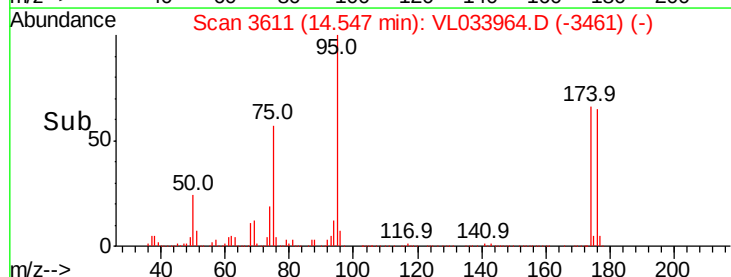
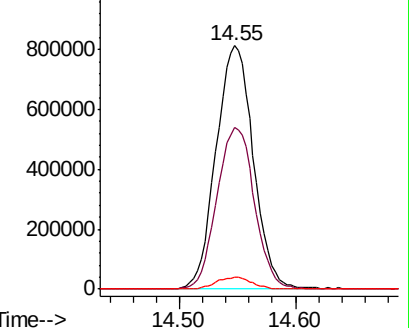
175 4.8 3.8 5.8

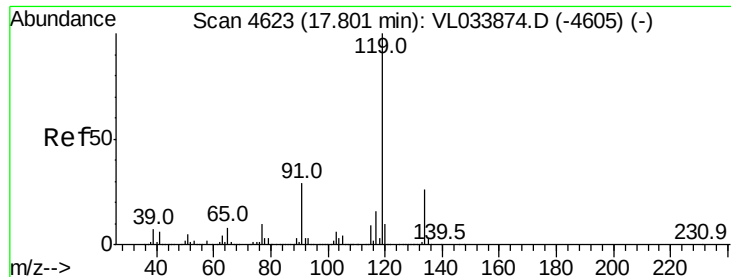


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





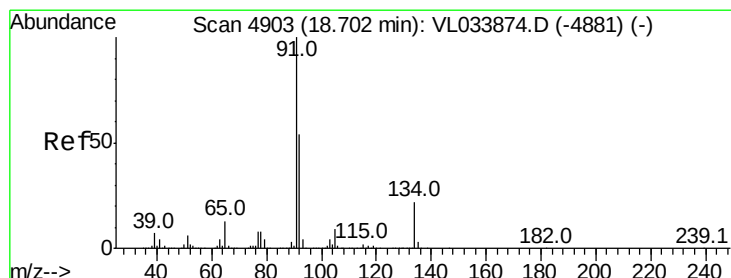
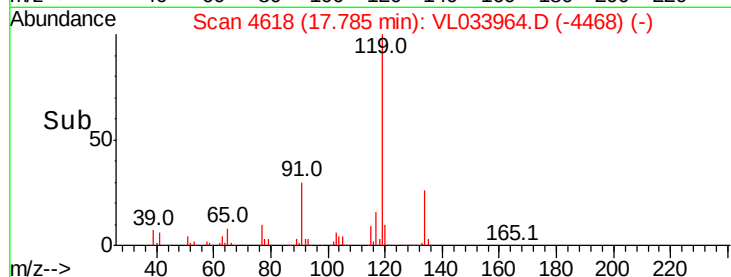
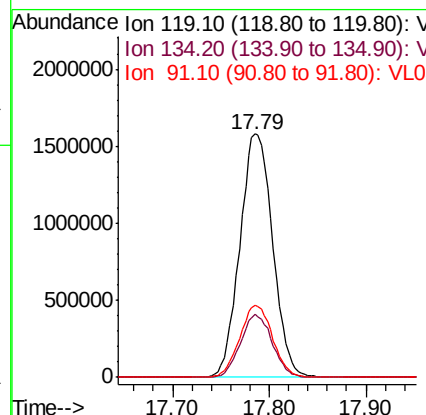
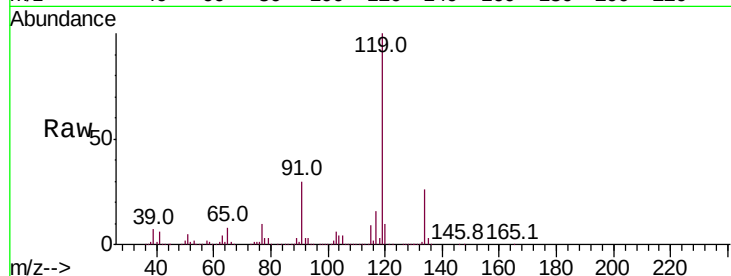
#69
 p-Isopropyltoluene
 Concen: 10.140 ppbv
 RT: 17.79 min Scan# 4618
 Delta R.T. -0.02 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.3	30.5
91	29.7	23.8	35.6

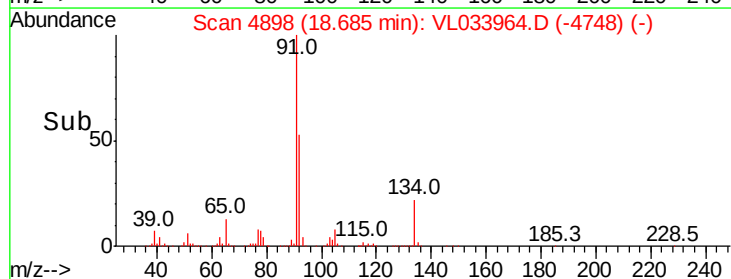
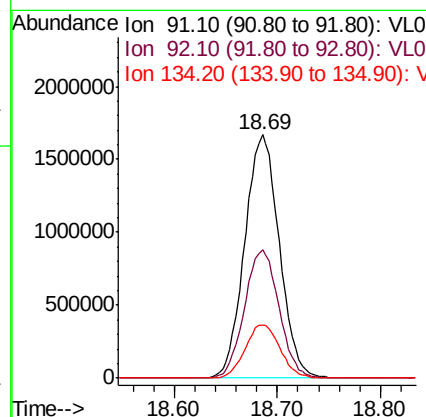
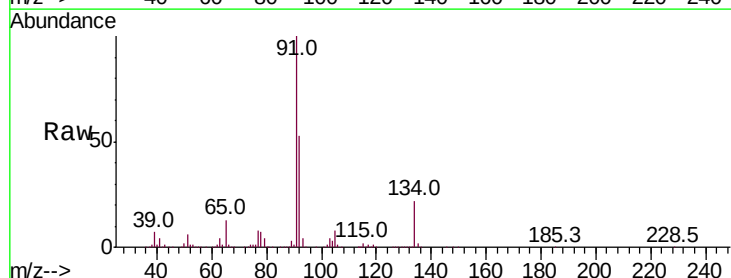
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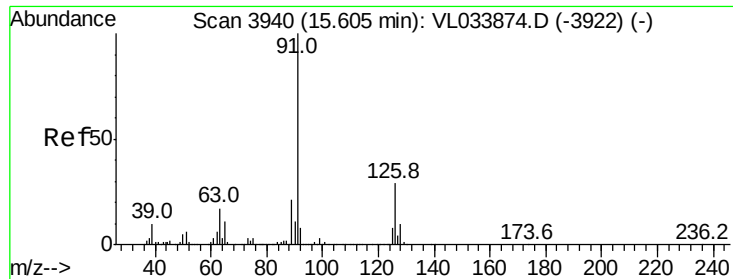
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.635 ppbv
 RT: 18.69 min Scan# 4898
 Delta R.T. -0.02 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	42.5	63.7
134	22.2	17.8	26.6





#71

2-Chlorotoluene

Concen: 10.679 ppbv

RT: 15.59 min Scan# 3935

Delta R.T. -0.02 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2679547

Ion Ratio Lower Upper

91 100

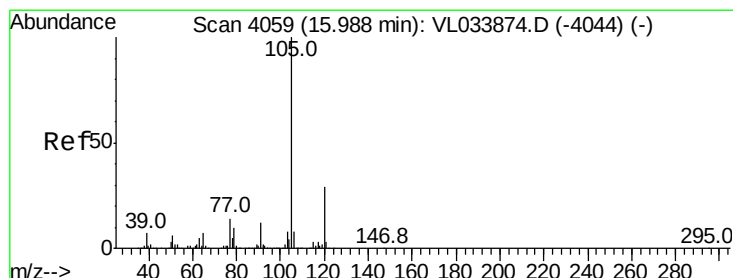
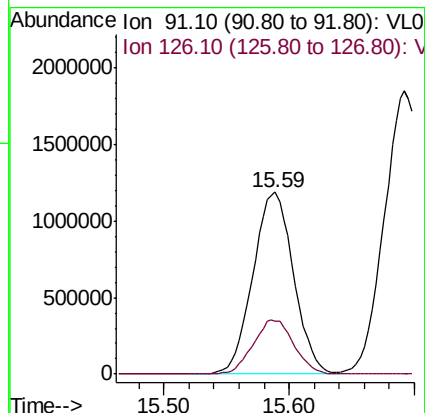
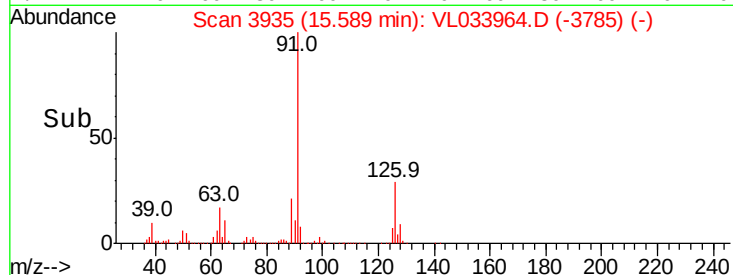
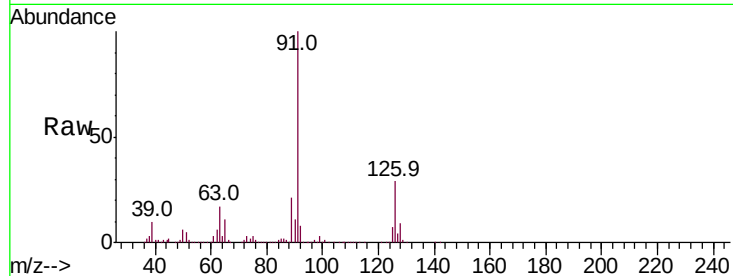
126 29.8 12.0 48.2

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#72

4-Ethyltoluene

Concen: 10.445 ppbv

RT: 15.97 min Scan# 4054

Delta R.T. -0.02 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Tgt Ion: 105 Resp: 3003577

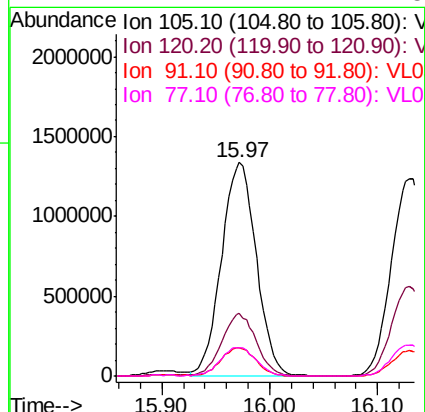
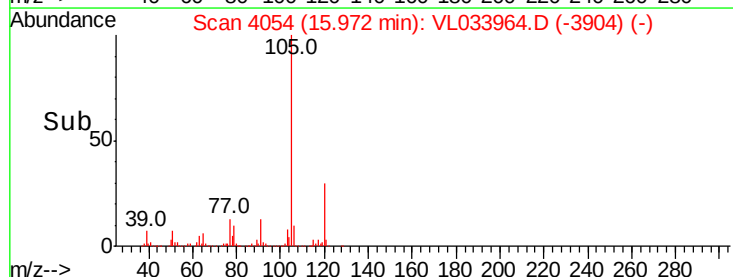
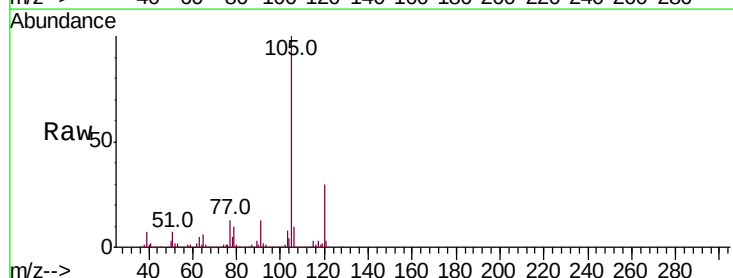
Ion Ratio Lower Upper

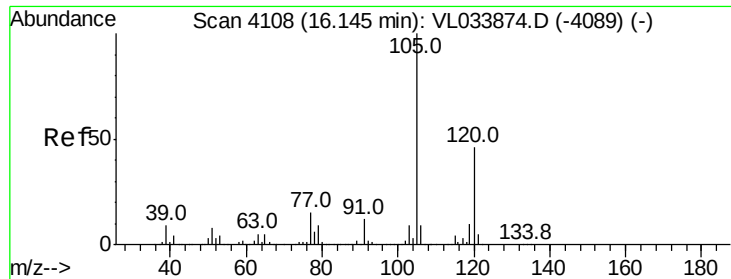
105 100

120 29.0 23.5 35.3

91 13.4 10.4 15.6

77 14.1 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 10.217 ppbv

RT: 16.13 min Scan# 4103

Delta R.T. -0.02 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 2894096

Ion Ratio Lower Upper

105 100

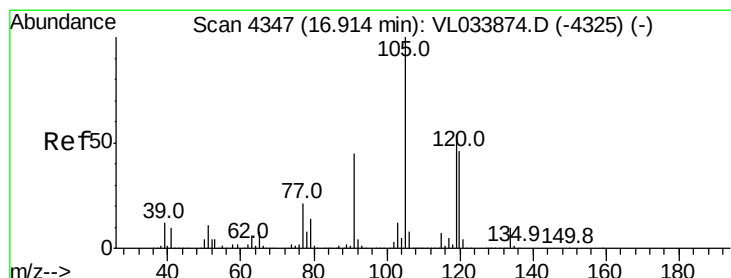
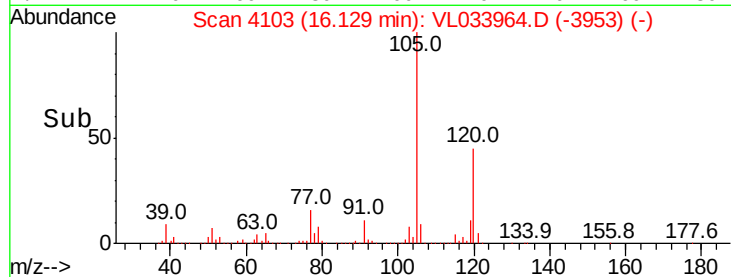
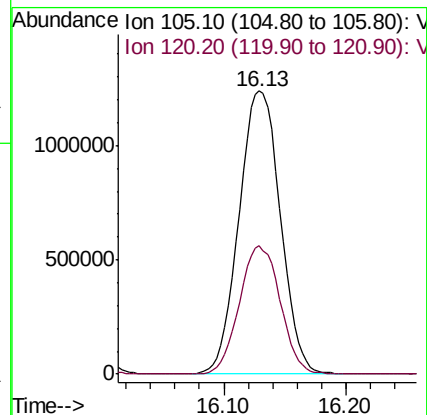
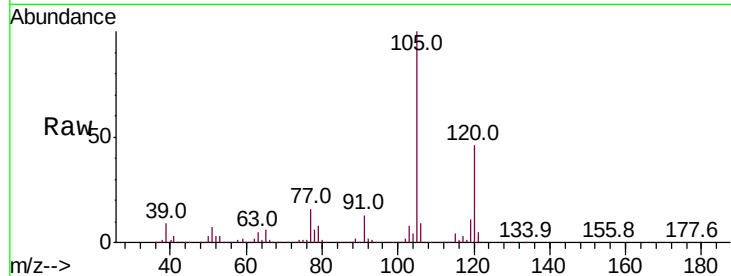
120 45.6 37.1 55.7

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#74

1,2,4-Trimethylbenzene

Concen: 9.300 ppbv

RT: 16.90 min Scan# 4342

Delta R.T. -0.02 min

Lab File: VL033964.D

Acq: 26 Jun 2019 11:44

Tgt Ion:105 Resp: 3036021

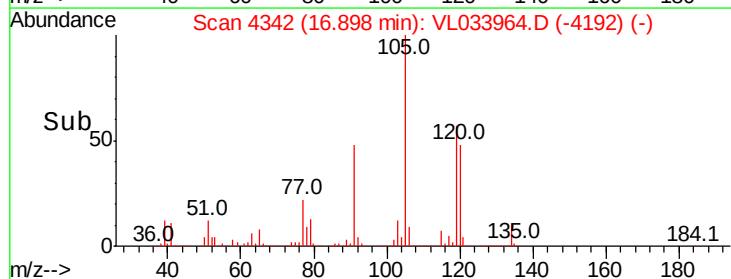
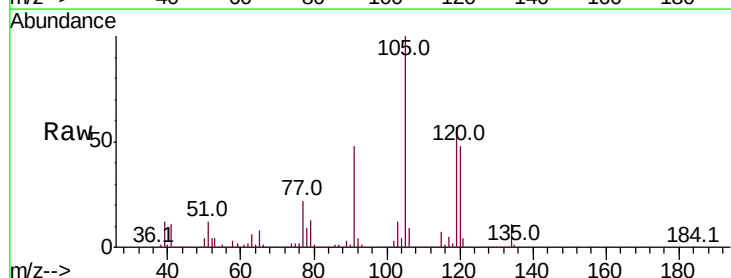
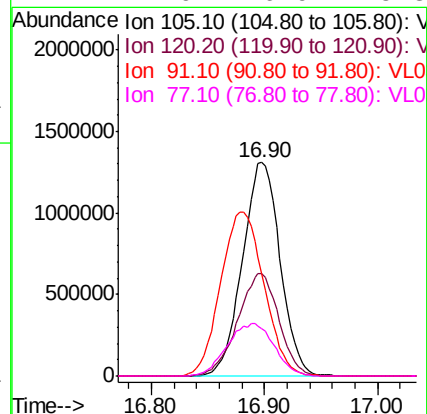
Ion Ratio Lower Upper

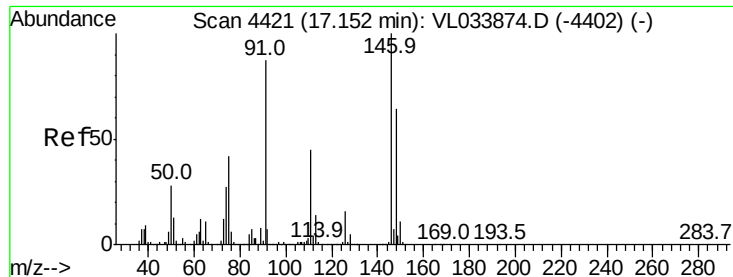
105 100

120 48.0 36.7 55.1

91 47.7 35.8 53.8

77 21.9 16.9 25.3





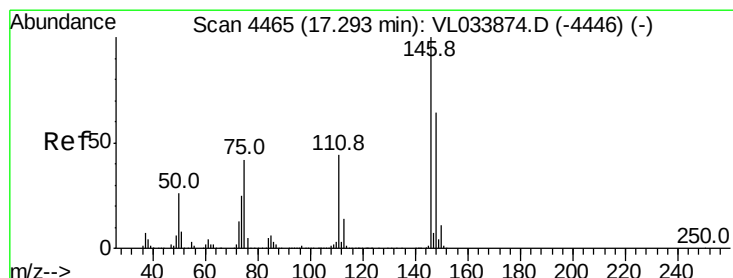
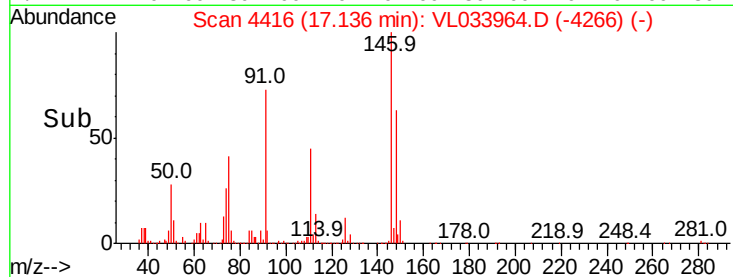
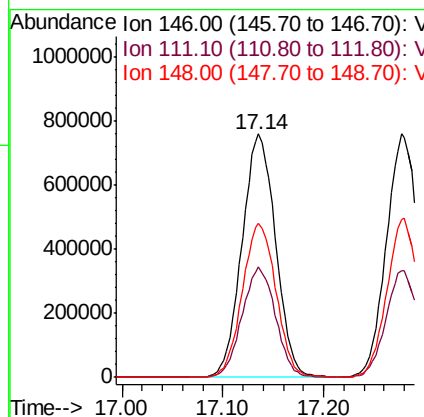
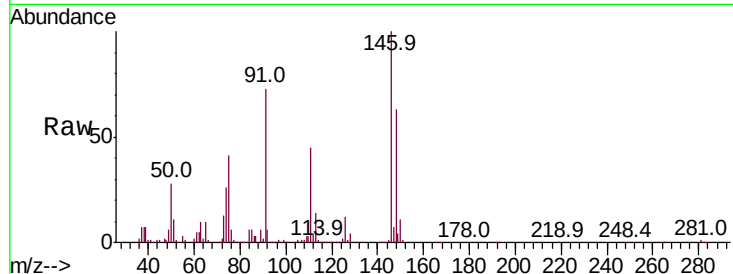
#75
 1,3-Dichlorobenzene
 Concen: 8.571 ppbv
 RT: 17.14 min Scan# 4416
 Delta R.T. -0.02 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.8	68.3
148	63.6	32.2	96.6

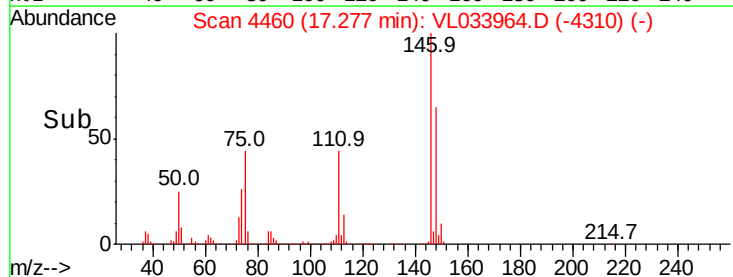
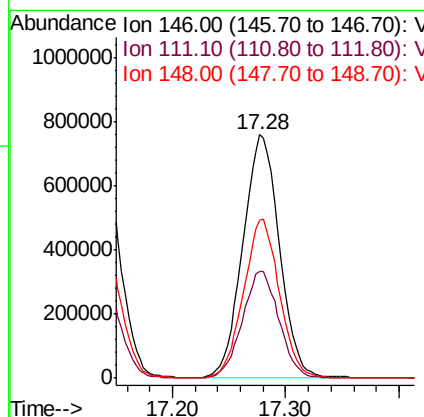
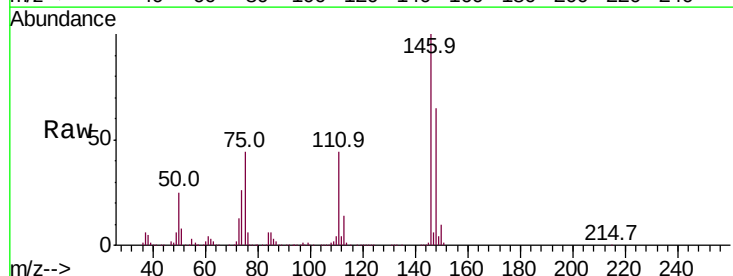
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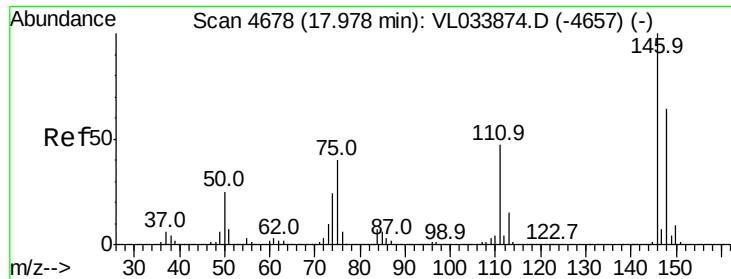
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#76
 1,4-Dichlorobenzene
 Concen: 9.041 ppbv
 RT: 17.28 min Scan# 4460
 Delta R.T. -0.02 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.5
148	64.8	32.4	97.0





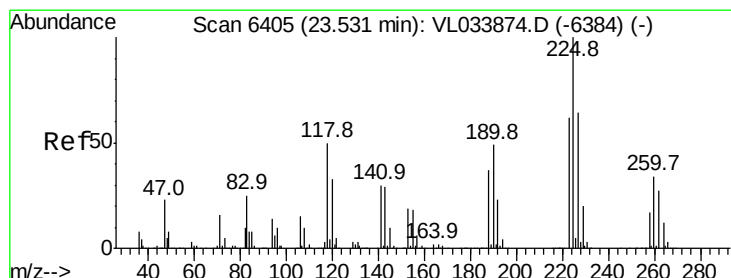
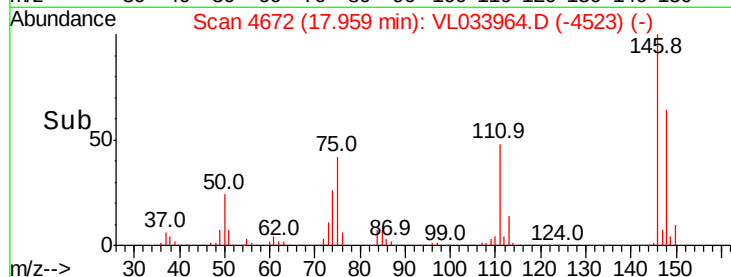
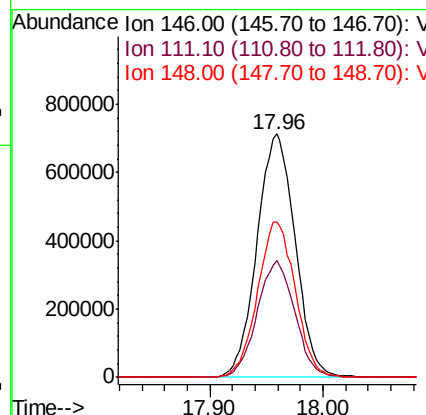
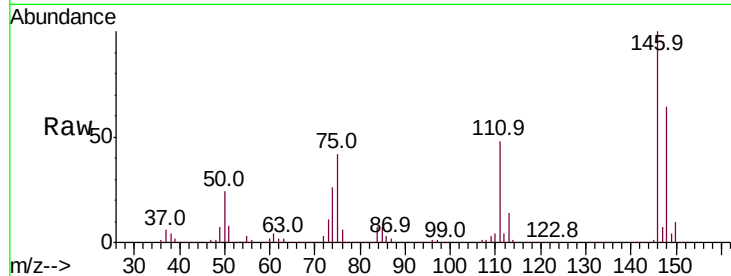
#77
 1,2-Dichlorobenzene
 Concen: 8.836 ppbv
 RT: 17.96 min Scan# 4672
 Delta R.T. -0.02 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1667071
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.4 70.0
 148 63.5 31.8 95.4

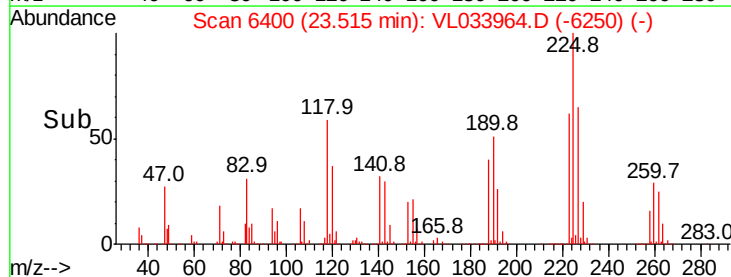
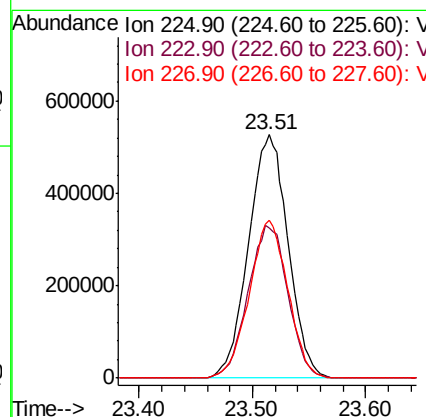
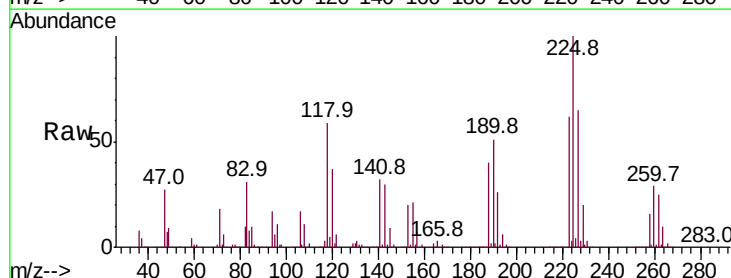
Manual Integrations
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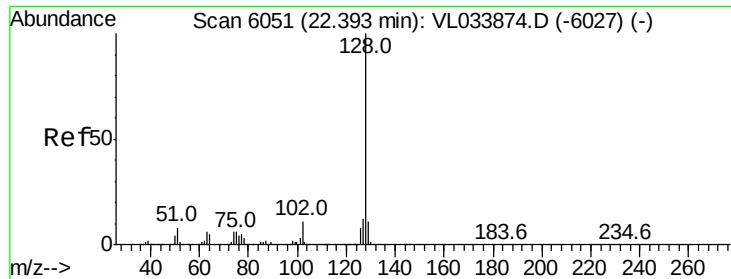
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.698 ppbv
 RT: 23.51 min Scan# 6400
 Delta R.T. -0.02 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Tgt Ion:225 Resp: 1281825
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.8 76.2
 227 63.0 51.8 77.6





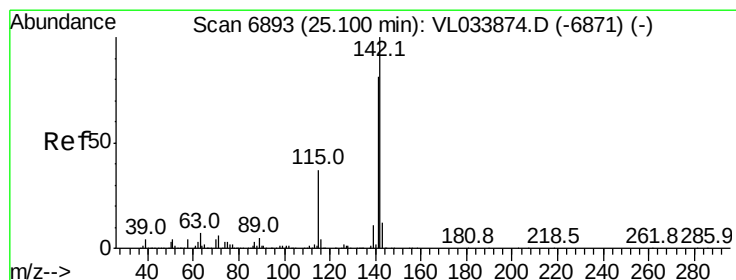
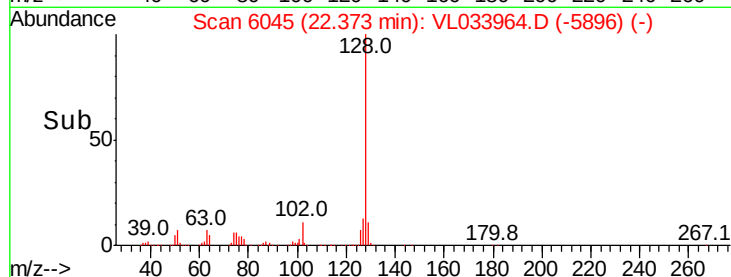
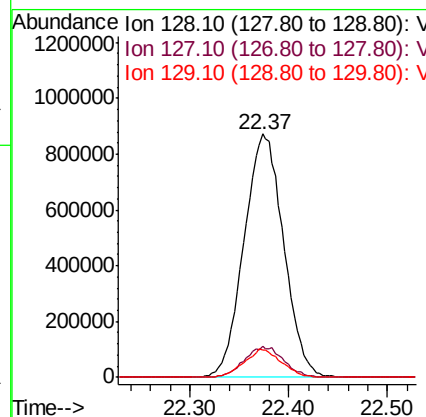
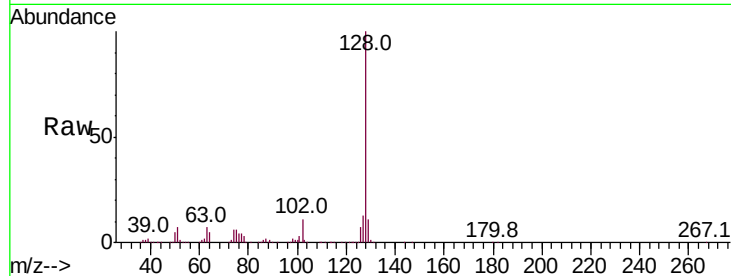
#79
Naphthalene
Concen: 9.271 ppbv
RT: 22.37 min Scan# 6045
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.7	14.5
129	10.9	8.6	12.8

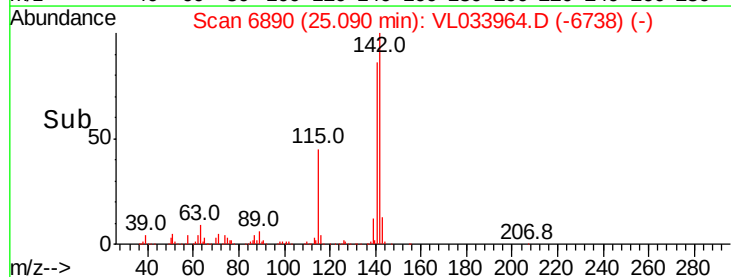
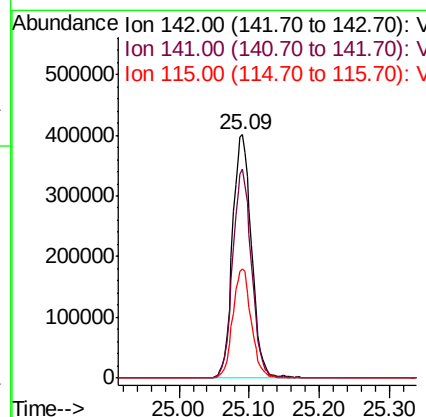
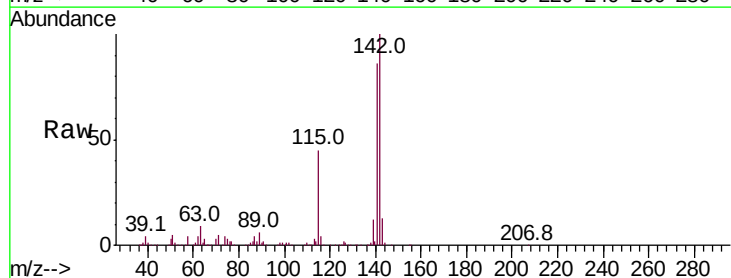
Manual Integrations
APPROVED

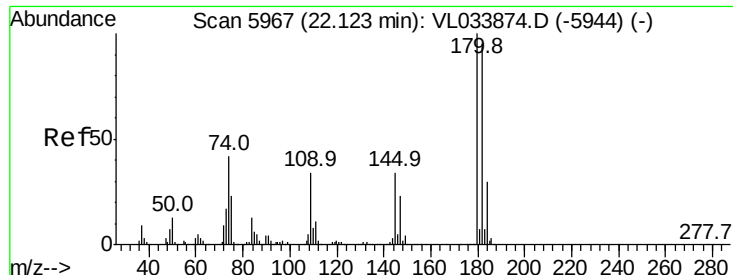
MMDadoda
6/27/2019 3:00:36 PM



#80
Naphthalene, 2-methyl-
Concen: 7.272 ppbv
RT: 25.09 min Scan# 6890
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	65.7	98.5
115	43.7	28.9	43.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 8.195 ppbv
 RT: 22.10 min Scan# 5960
 Delta R.T. -0.02 min
 Lab File: VL033964.D
 Acq: 26 Jun 2019 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
184	30.6	24.5	36.7

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 3:00:36 PM

