

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\
 Data File : VX012375.D
 Acq On : 13 Sep 2019 09:47
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:13:02 AM

Quant Time: Sep 13 12:22:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	148597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	247697	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	110951	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	94958	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
35) Dibromofluoromethane	5.48	113	78922	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	8.71	98	291108	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	11.13	95	119769	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	51591	42.465	ug/l	98
3) Chloromethane	1.31	50	48215	44.028	ug/l	94
4) Vinyl Chloride	1.39	62	48605	44.763	ug/l	99
5) Bromomethane	1.62	94	25453	58.637	ug/l	97
6) Chloroethane	1.71	64	32977	45.418	ug/l	98
7) Trichlorofluoromethane	1.92	101	91253	46.436	ug/l	100
8) Diethyl Ether	2.17	74	30695	45.775	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	64318	48.562	ug/l	98
10) Methyl Iodide	2.50	142	42143	33.432	ug/l	99
11) Tert butyl alcohol	3.02	59	47151	209.882	ug/l	99
12) 1,1-Dichloroethene	2.36	96	53019	47.152	ug/l	96
13) Acrolein	2.28	56	28356	258.199	ug/l	93
14) Allyl chloride	2.72	41	105155	45.870	ug/l	98
15) Acrylonitrile	3.13	53	91865	221.621	ug/l	99
16) Acetone	2.43	43	119114	239.503	ug/l	98
17) Carbon Disulfide	2.56	76	99024	41.938	ug/l	99
18) Methyl Acetate	2.76	43	44768	42.826	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	199335	44.890	ug/l	99
20) Methylene Chloride	2.84	84	69229	44.318	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	61060	45.516	ug/l	98
22) Diisopropyl ether	3.84	45	239111	45.608	ug/l	92
23) Vinyl Acetate	3.80	43	732590	227.748	ug/l	99
24) 1,1-Dichloroethane	3.68	63	130059	46.313	ug/l	99
25) 2-Butanone	4.65	43	146696	230.736	ug/l	98
26) 2,2-Dichloropropane	4.56	77	120540	45.719	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	77819	44.931	ug/l	99
28) Bromochloromethane	5.00	49	61219	46.481	ug/l	100
29) Tetrahydrofuran	5.11	42	76532	223.107	ug/l	98
30) Chloroform	5.19	83	141239	44.601	ug/l	97
31) Cyclohexane	5.56	56	88907	45.576	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	123580	45.448	ug/l	99
36) 1,1-Dichloropropene	5.78	75	88671	49.095	ug/l	98
37) Ethyl Acetate	4.81	43	53041	47.507	ug/l	98
38) Carbon Tetrachloride	5.77	117	103229	48.715	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	97368	49.124	ug/l	99
40) Benzene	6.13	78	268682	49.152	ug/l	97
41) Methacrylonitrile	5.03	41	33063	48.036	ug/l	97
42) 1,2-Dichloroethane	6.18	62	101164	46.824	ug/l	100
43) Isopropyl Acetate	6.43	43	108615	46.143	ug/l	100
44) Trichloroethene	7.20	130	73461	49.657	ug/l	94
45) 1,2-Dichloropropane	7.51	63	73234	48.401	ug/l	97
46) Dibromomethane	7.65	93	40175	48.582	ug/l	96
47) Bromodichloromethane	7.89	83	108204	47.947	ug/l	100
48) Methyl methacrylate	7.76	41	53038	47.074	ug/l	98
49) 1,4-Dioxane	7.73	88	13330	876.769	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	290024	233.453	ug/l	100
52) Toluene	8.78	92	174523	48.336	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	106283	47.186	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	120983	48.438	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	63419	49.501	ug/l	97
56) Ethyl methacrylate	9.17	69	82926	47.805	ug/l	98
57) 1,3-Dichloropropane	9.37	76	106400	48.625	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	212442	238.949	ug/l	100
59) 2-Hexanone	9.48	43	219652	254.287	ug/l	99
60) Dibromochloromethane	9.57	129	72280	48.327	ug/l	98
61) 1,2-Dibromoethane	9.67	107	57722	48.401	ug/l	97
64) Tetrachloroethene	9.33	164	59653	50.044	ug/l	100
65) Chlorobenzene	10.14	112	202135	49.082	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	77584	49.975	ug/l	100
67) Ethyl Benzene	10.25	91	359332	49.058	ug/l	97
68) m/p-Xylenes	10.36	106	268858	99.713	ug/l	100
69) o-Xylene	10.70	106	130500	49.407	ug/l	100
70) Styrene	10.71	104	232687	49.672	ug/l	99
71) Bromoform	10.85	173	38939	48.369	ug/l #	99
73) Isopropylbenzene	11.01	105	358571	49.091	ug/l	100
74) N-amyl acetate	10.89	43	98633	45.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	75986	48.439	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	67306m	47.221	ug/l	
77) Bromobenzene	11.25	156	84362	50.165	ug/l	96
78) n-propylbenzene	11.35	91	432275	49.008	ug/l	99
79) 2-Chlorotoluene	11.42	91	258967	47.388	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	321866	49.000	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22084	46.423	ug/l	97
82) 4-Chlorotoluene	11.51	91	316592	48.206	ug/l	99
83) tert-Butylbenzene	11.76	119	320110	50.188	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	326817	48.129	ug/l	98
85) sec-Butylbenzene	11.94	105	374621	49.225	ug/l	100
86) p-Isopropyltoluene	12.06	119	346849	49.326	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	170868	49.878	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	168597	48.671	ug/l	98
89) n-Butylbenzene	12.39	91	323828	46.985	ug/l	99
90) Hexachloroethane	12.59	117	60073	46.381	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	154554	48.772	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14242	44.479	ug/l	96

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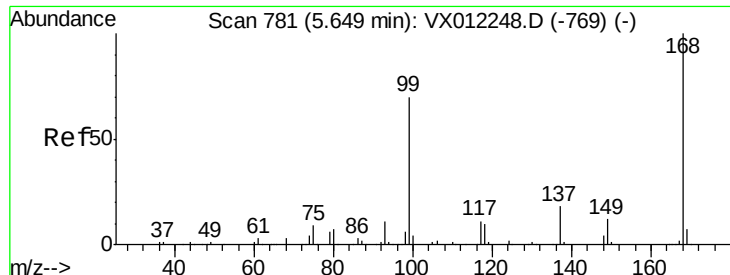
Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	102606	46.886	ug/l	99
94) Hexachlorobutadiene	13.78	225	52268	48.010	ug/l	98
95) Naphthalene	13.83	128	209753	44.663	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	88431	45.670	ug/l	99

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



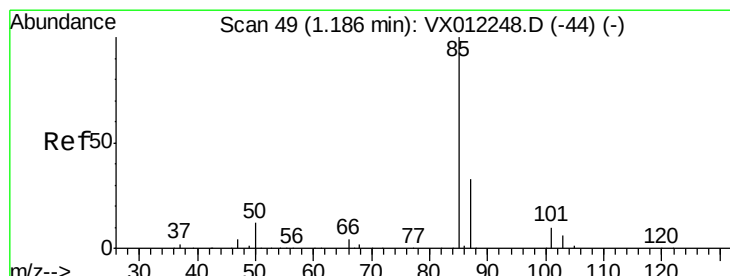
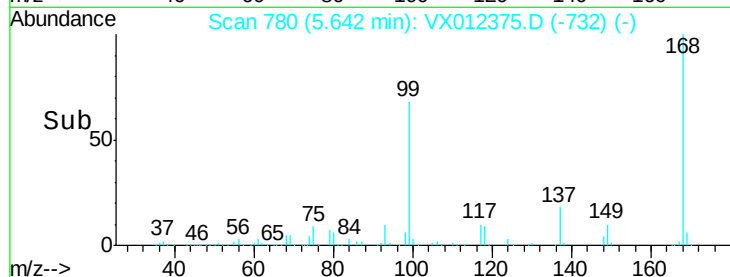
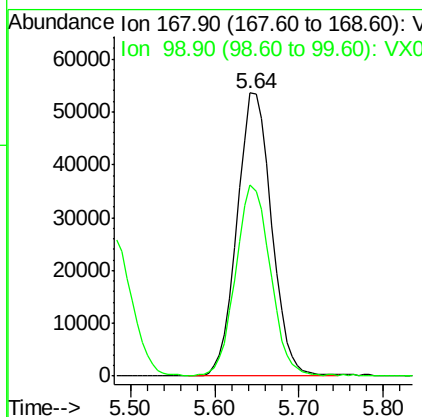
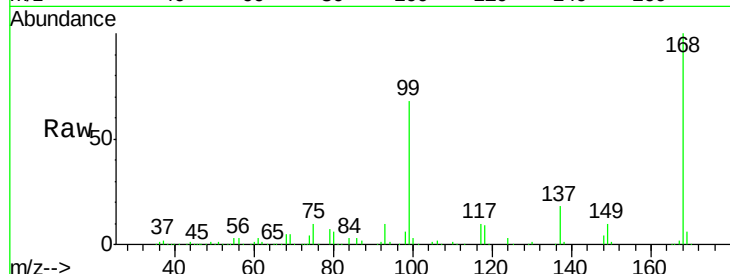
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.01 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	148597		
99	67.6	55.8	83.6	

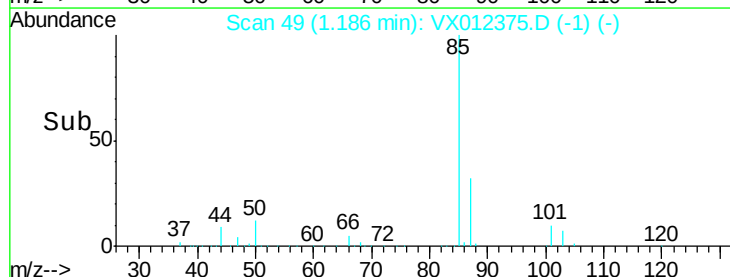
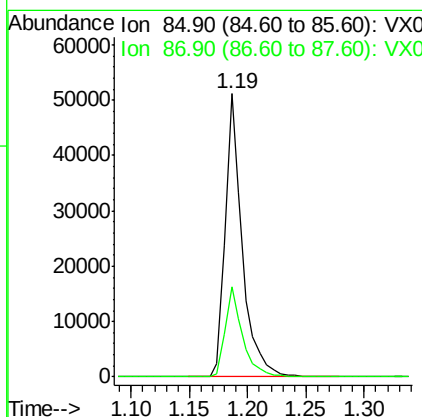
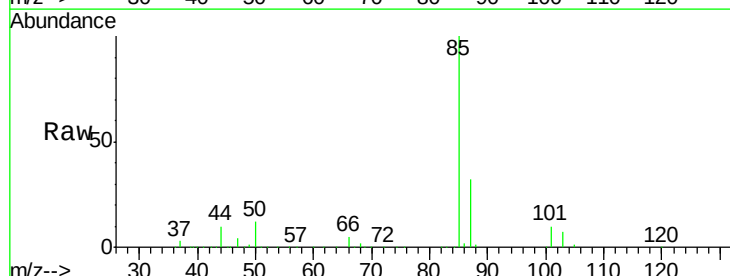
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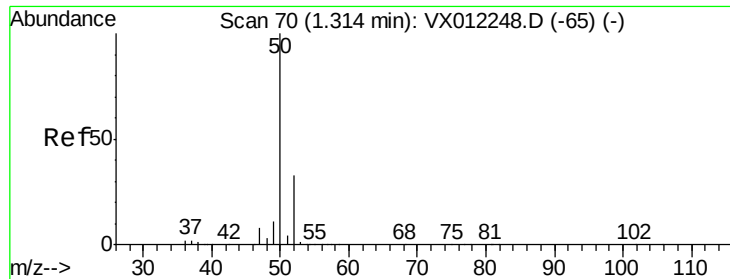
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#2
Dichlorodifluoromethane
Concen: 42.465 ug/l
RT: 1.19 min Scan# 49
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	51591		
87	32.0	16.7	50.0	





#3

Chloromethane

Concen: 44.028 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 48215

Ion Ratio Lower Upper

50 100

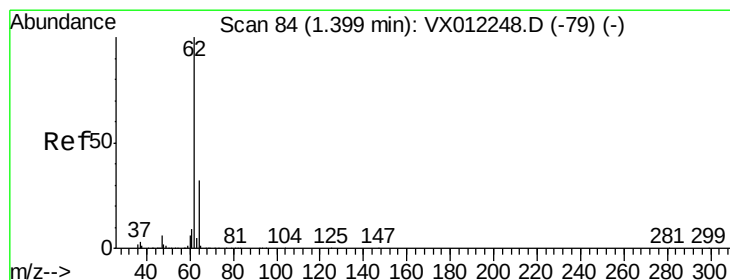
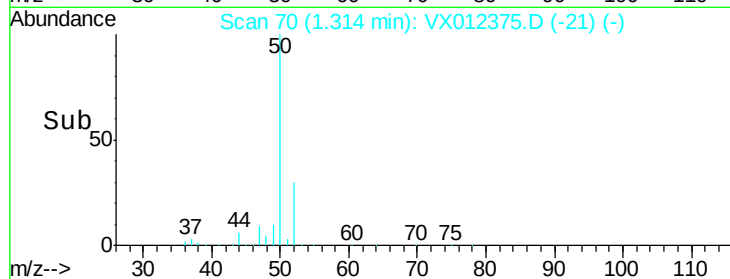
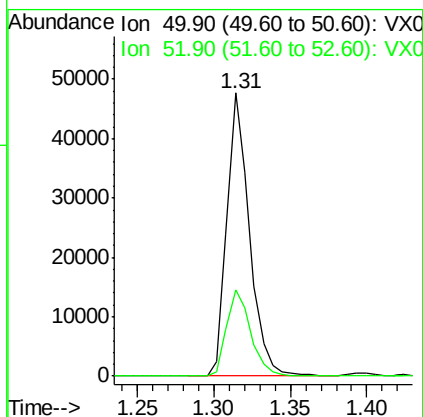
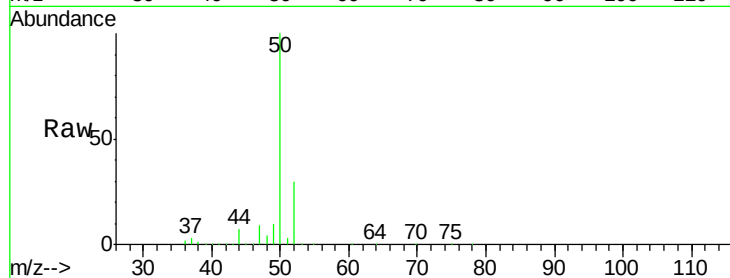
52 30.2 26.7 40.1

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#4

Vinyl Chloride

Concen: 44.763 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012375.D

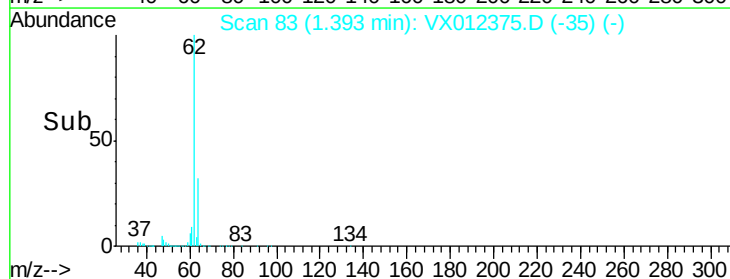
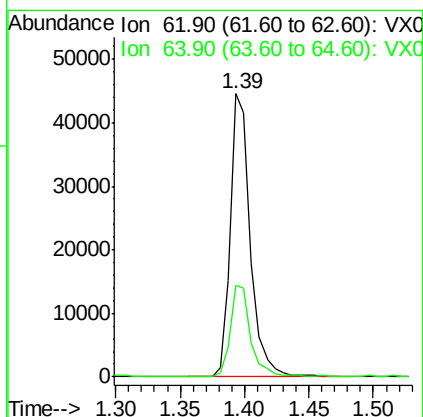
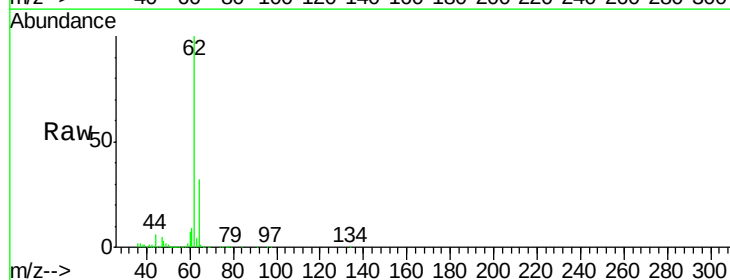
Acq: 13 Sep 2019 09:47

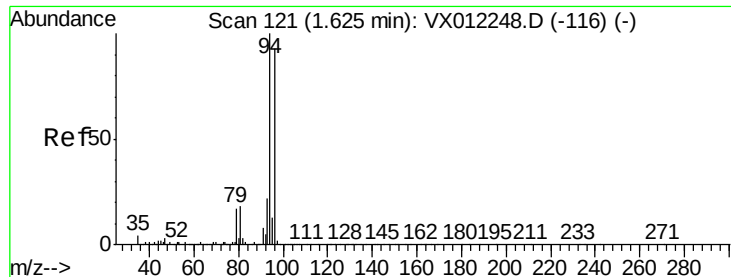
Tgt Ion: 62 Resp: 48605

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 58.637 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 25453

Ion Ratio Lower Upper

94 100

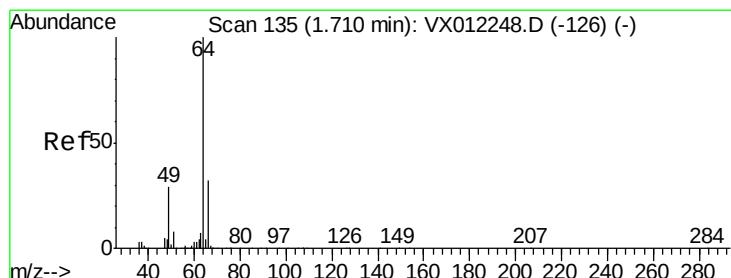
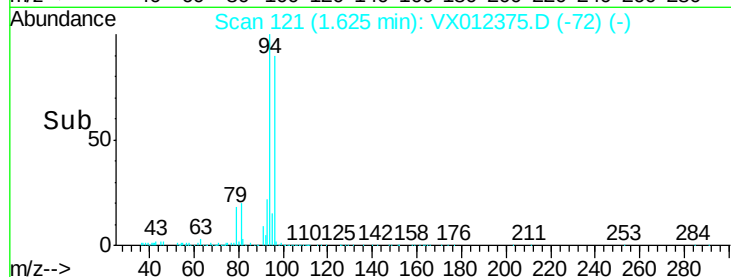
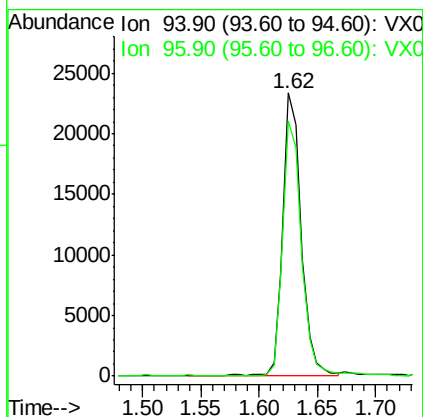
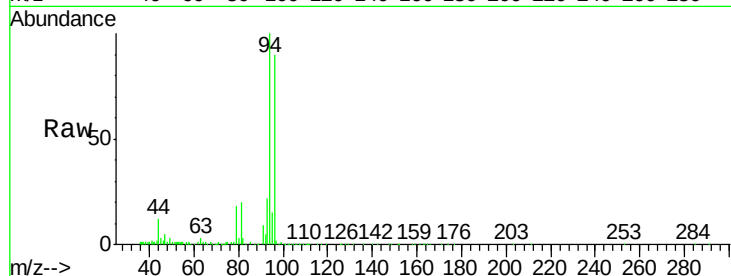
96 89.6 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 45.418 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012375.D

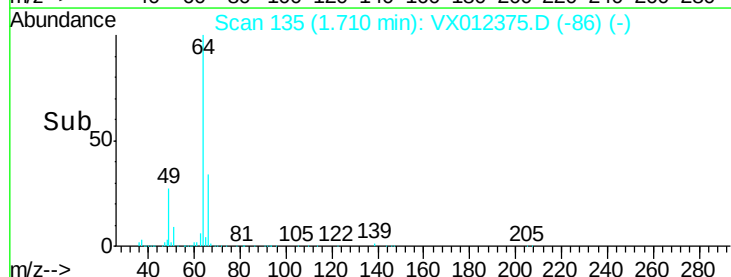
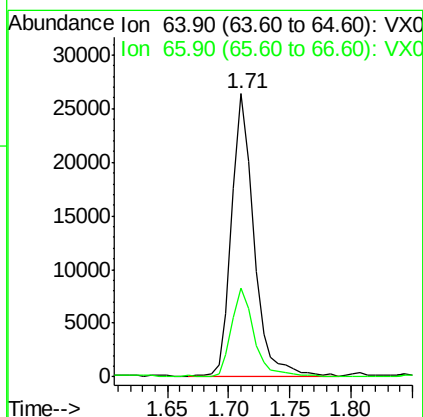
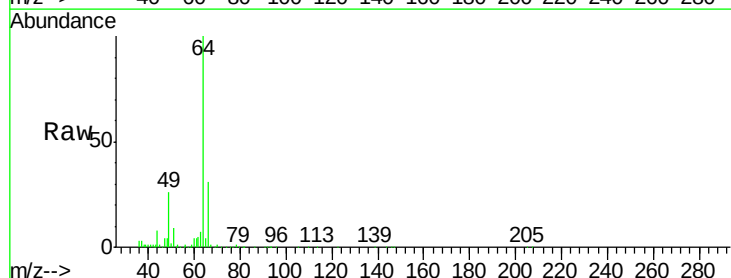
Acq: 13 Sep 2019 09:47

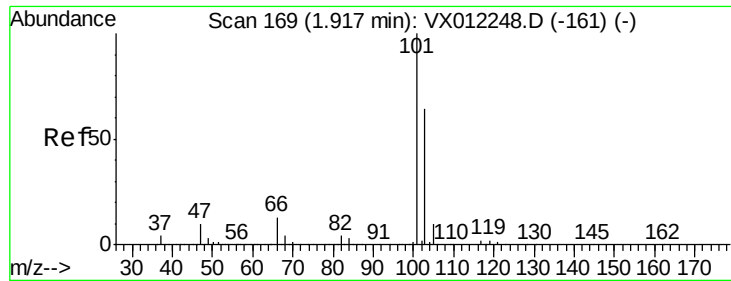
Tgt Ion: 64 Resp: 32977

Ion Ratio Lower Upper

64 100

66 31.3 25.8 38.6





#7

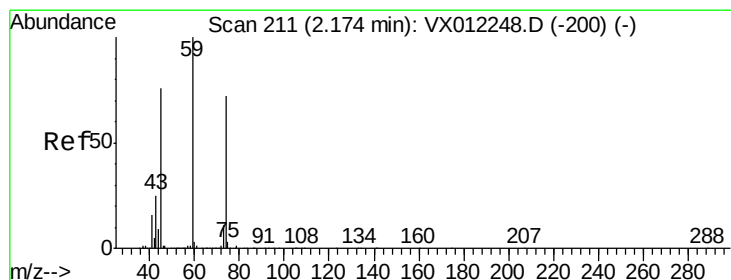
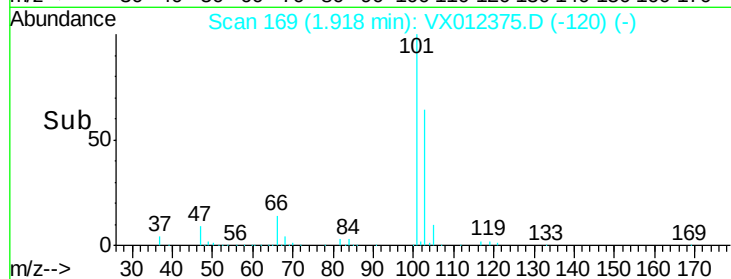
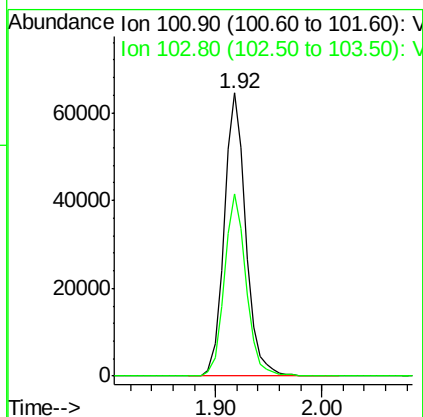
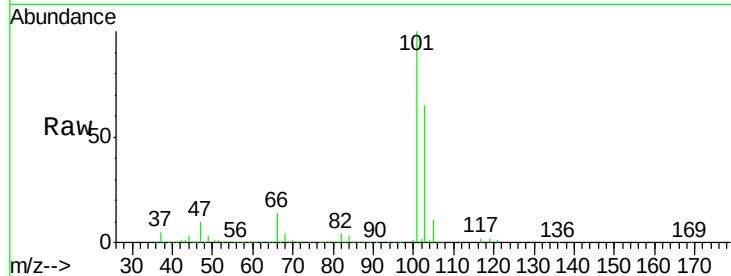
Trichlorofluoromethane
Concen: 46.436 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

Manual Integrations
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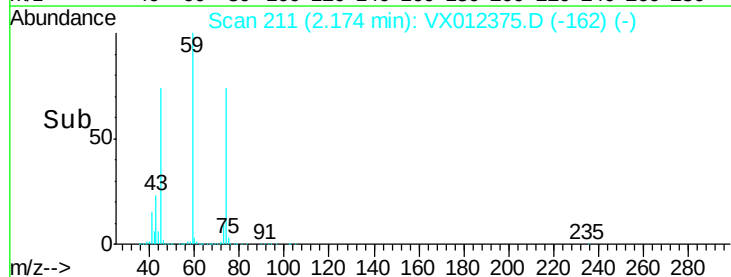
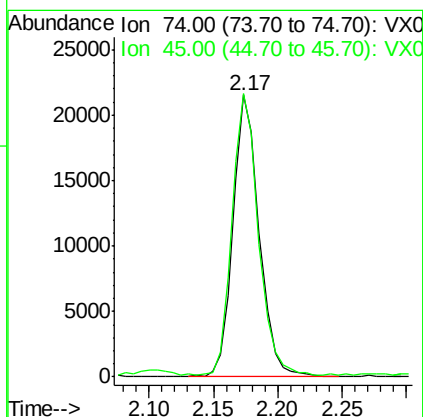
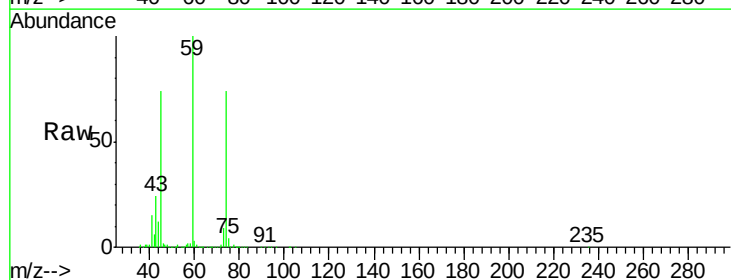
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9/16/2019 1:13:02 AM

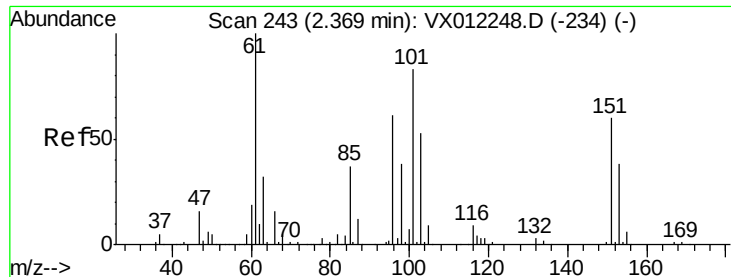


#8

Diethyl Ether
Concen: 45.775 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	51.3	153.9





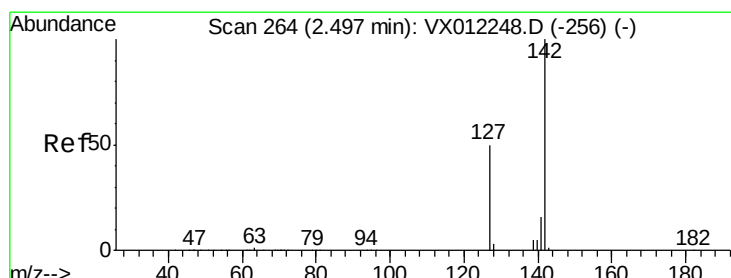
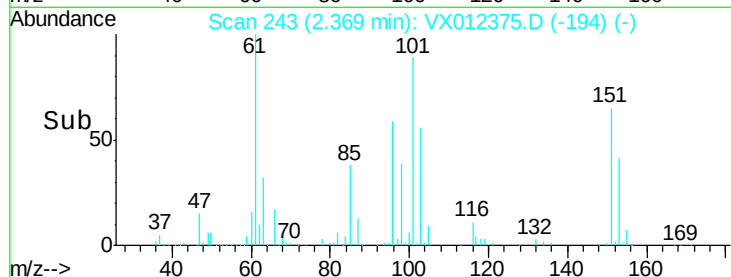
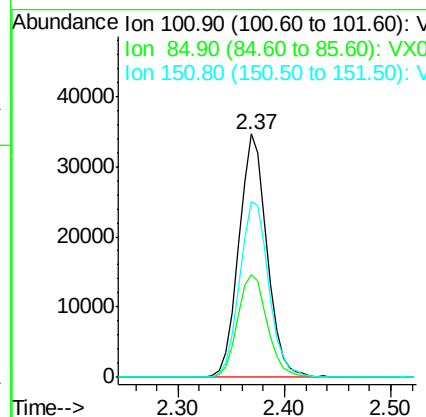
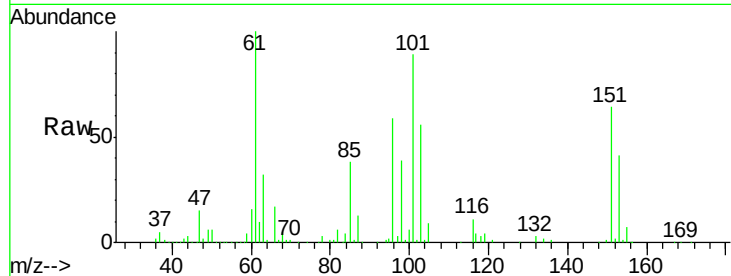
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.562 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	64318		
85	44.8	37.0	55.6	
151	75.3	58.6	87.8	

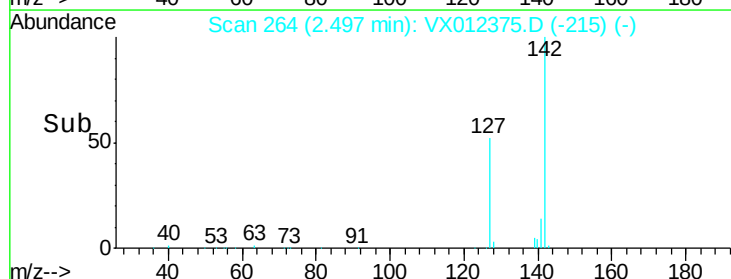
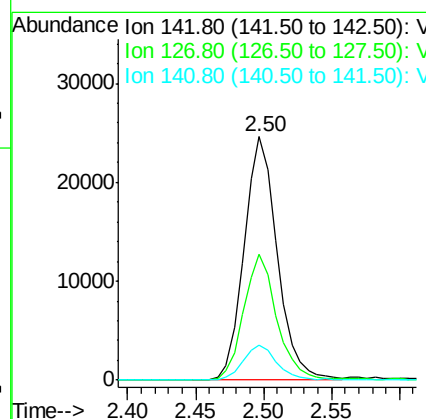
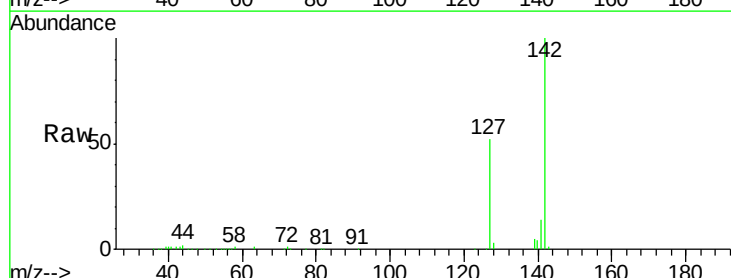
Manual Integrations
 APPROVED

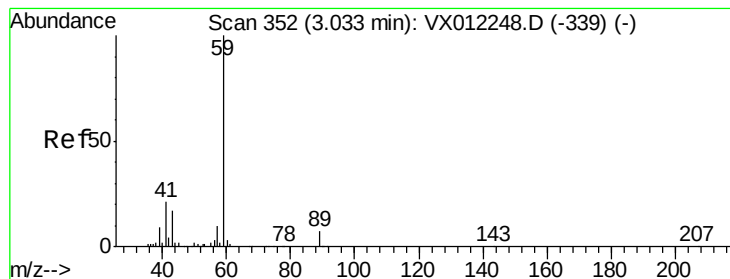
MMDadoda
 9/16/2019 1:13:02 AM



#10
 Methyl Iodide
 Concen: 33.432 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	42143		
127	51.4	40.6	61.0	
141	14.6	12.0	18.0	





#11

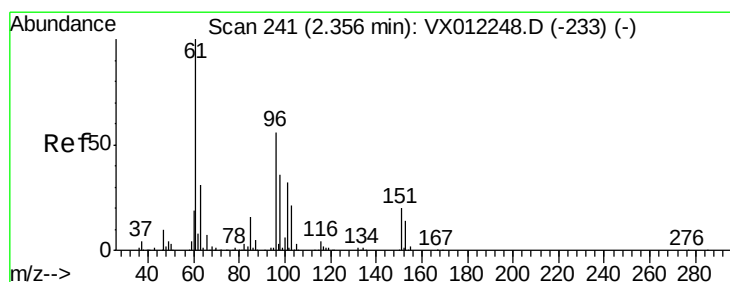
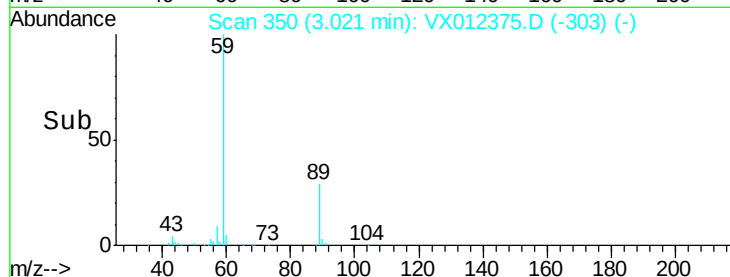
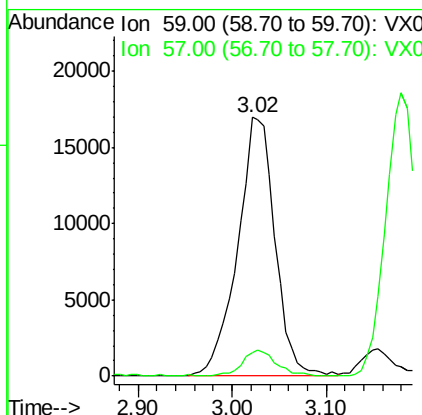
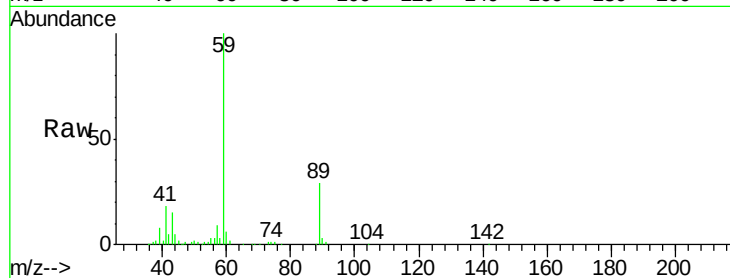
Tert butyl alcohol
 Concen: 209.882 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.8	11.6

Manual Integrations
 APPROVED

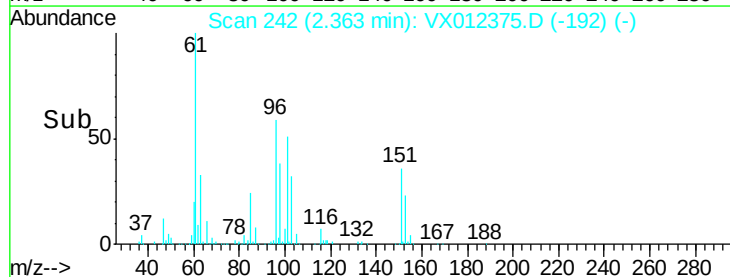
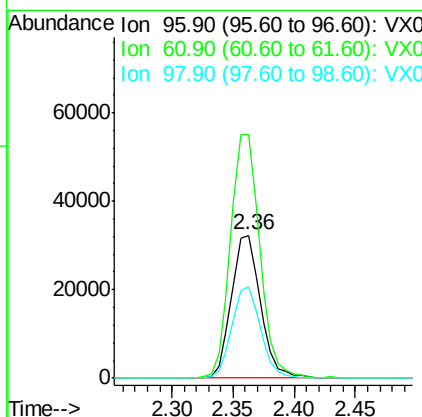
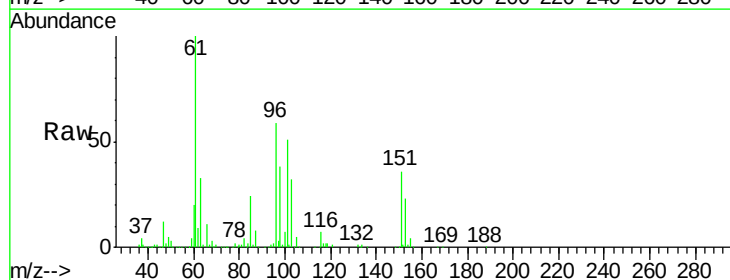
MMDadoda
 9/16/2019 1:13:02 AM

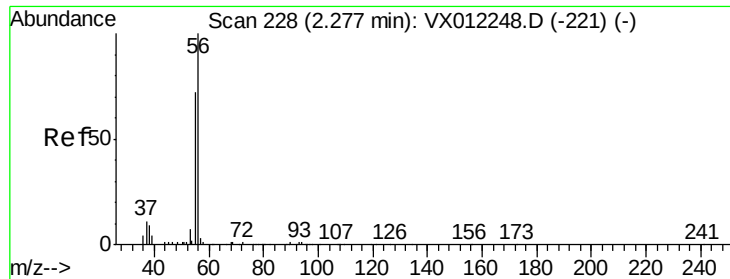


#12

1,1-Dichloroethene
 Concen: 47.152 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.0	142.2	213.2
98	64.3	51.3	76.9





#13

Acrolein

Concen: 258.199 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 28356

Ion Ratio Lower Upper

56 100

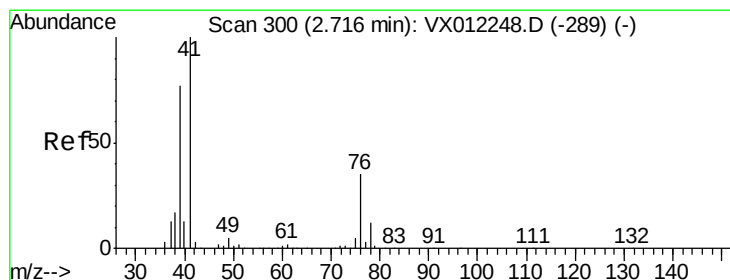
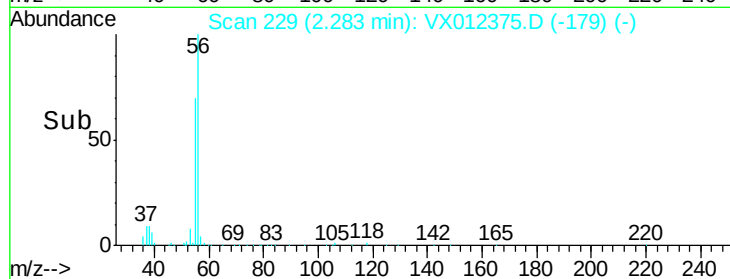
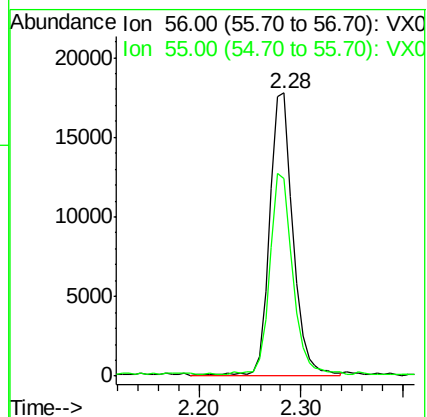
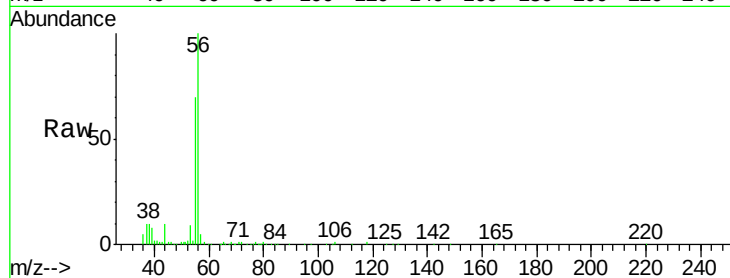
55 68.6 59.8 89.6

Manual Integrations

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MMDadoda

9/16/2019 1:13:02 AM



#14

Allyl chloride

Concen: 45.870 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

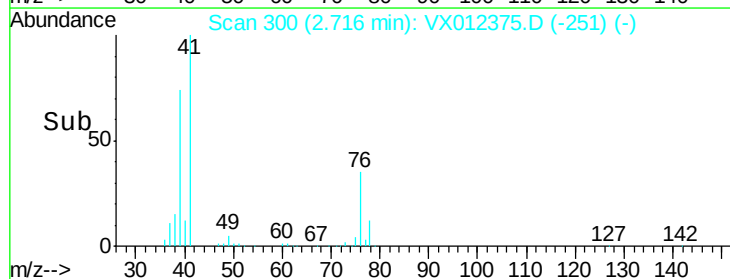
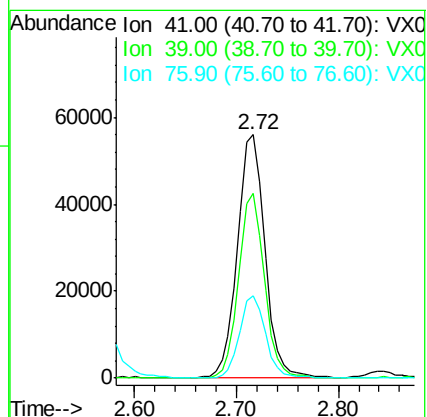
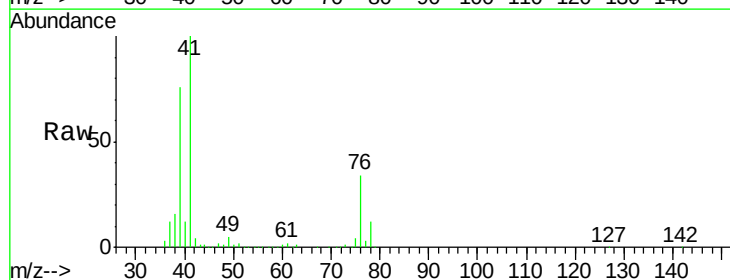
Tgt Ion: 41 Resp: 105155

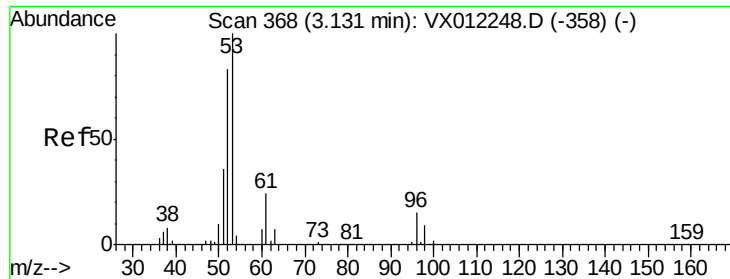
Ion Ratio Lower Upper

41 100

39 71.2 58.6 87.8

76 31.9 26.3 39.5





#15

Acrylonitrile

Concen: 221.621 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

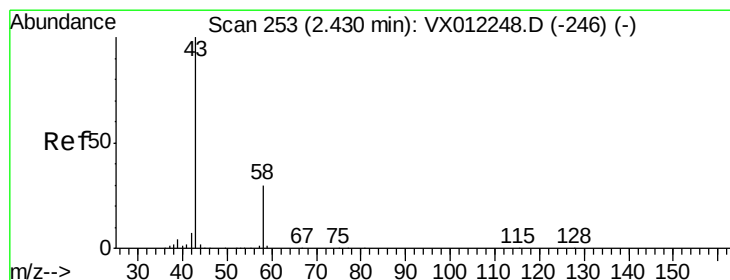
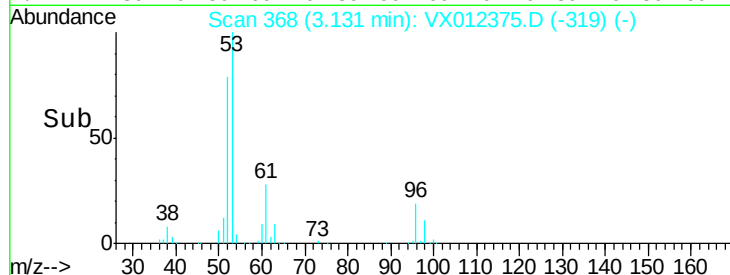
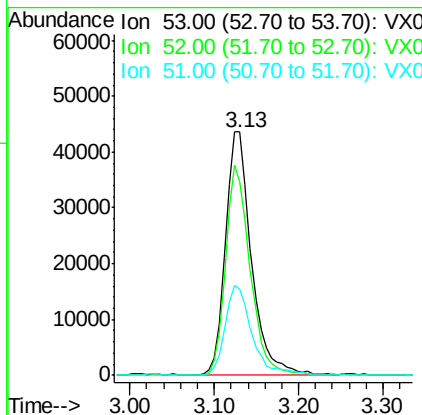
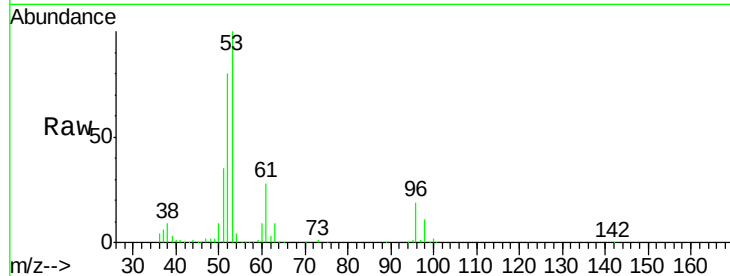
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	91865
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.8	100.2
51	37.9	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 239.503 ug/l

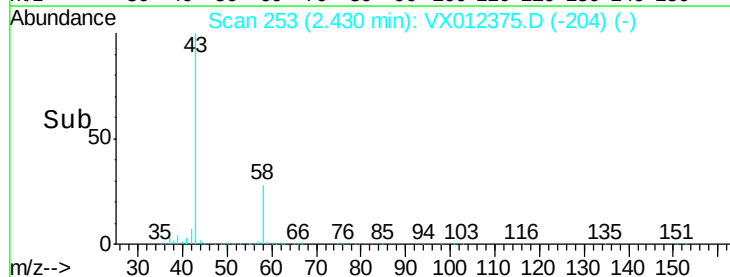
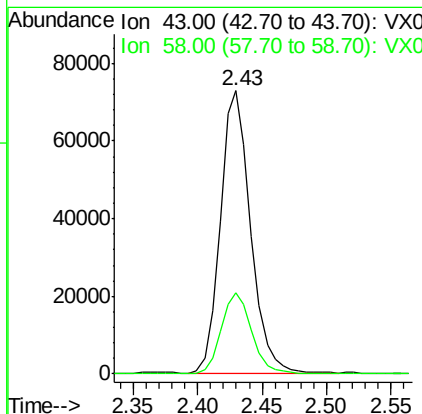
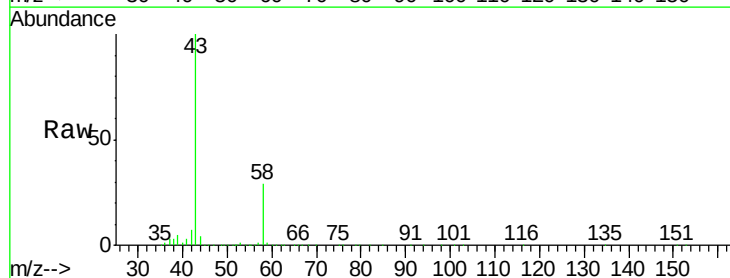
RT: 2.43 min Scan# 253

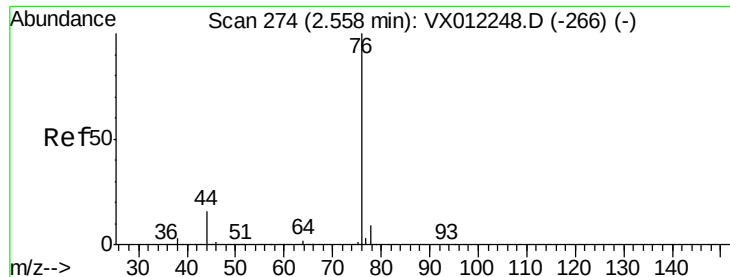
Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Tgt Ion:	43	Resp:	119114
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.6	35.4





#17

Carbon Disulfide

Concen: 41.938 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 99024

Ion Ratio Lower Upper

76 100

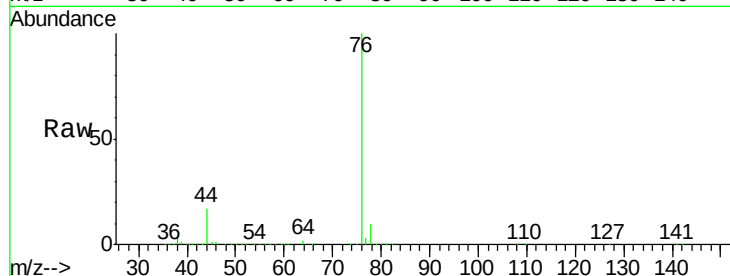
78 9.6 7.4 11.2

Manual Integrations

APPROVED

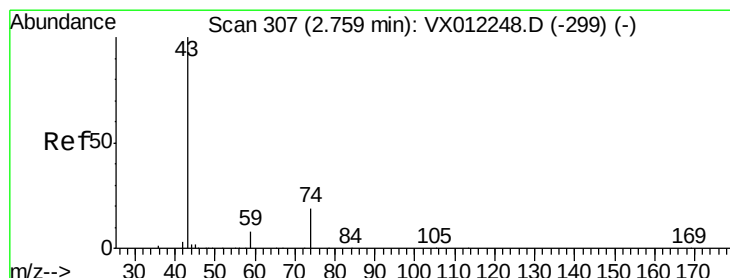
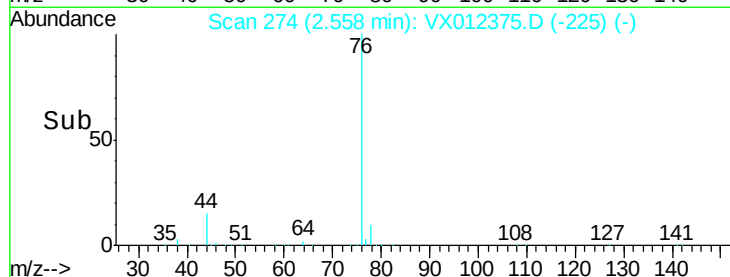
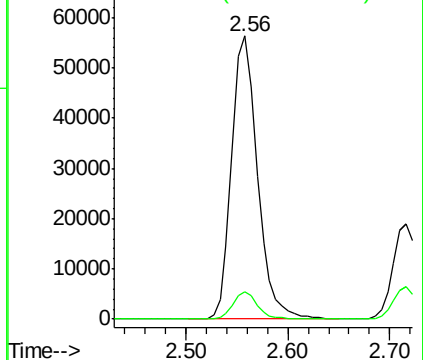
MMDadoda

9/16/2019 1:13:02 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 42.826 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX012375.D

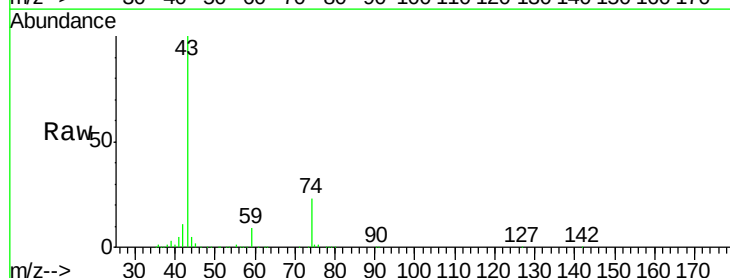
Acq: 13 Sep 2019 09:47

Tgt Ion: 43 Resp: 44768

Ion Ratio Lower Upper

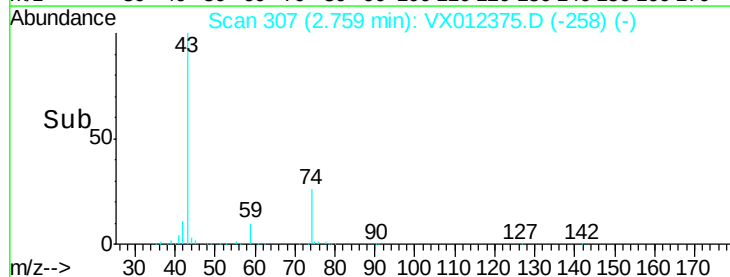
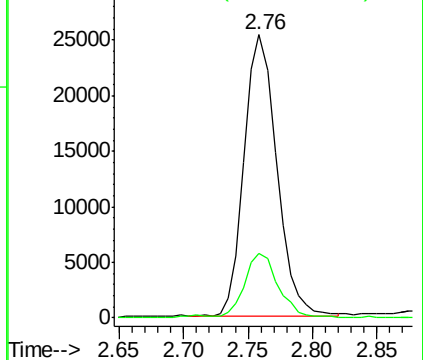
43 100

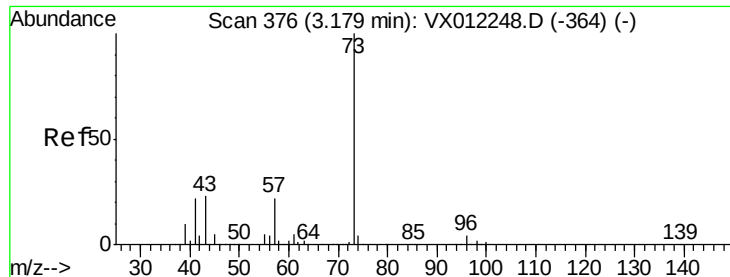
74 23.1 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





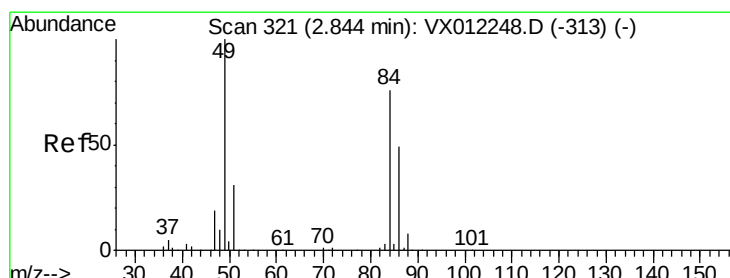
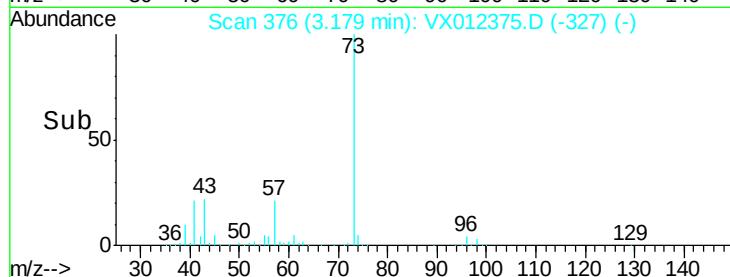
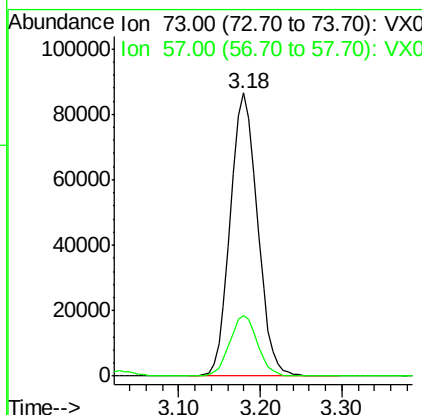
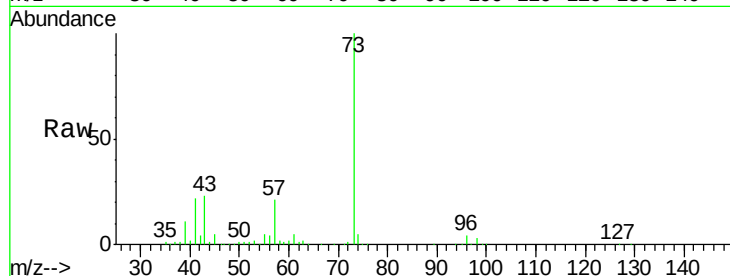
#19
Methyl tert-butyl Ether
Concen: 44.890 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.7	26.5

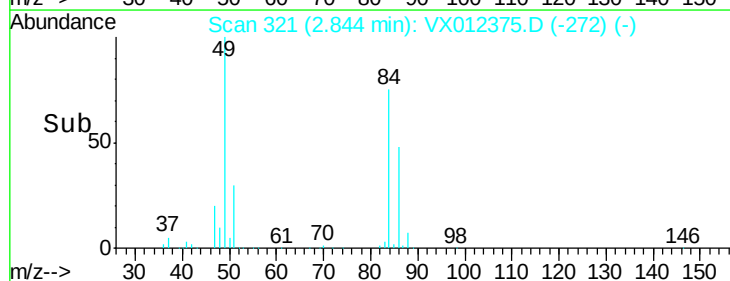
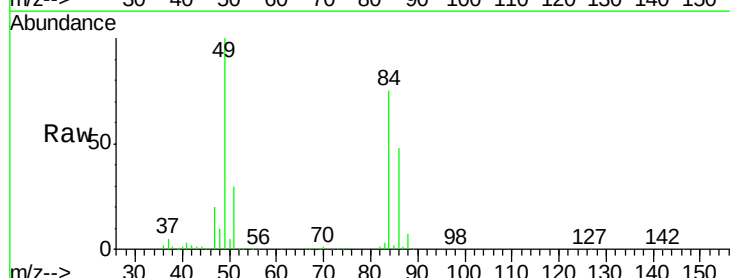
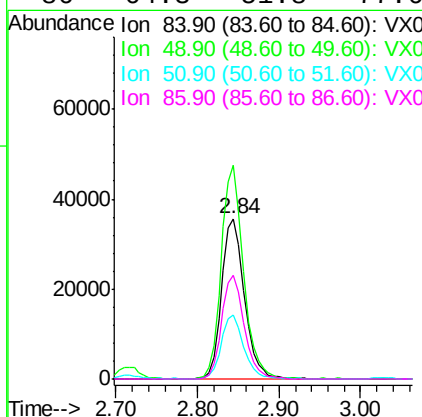
Manual Integrations
APPROVED

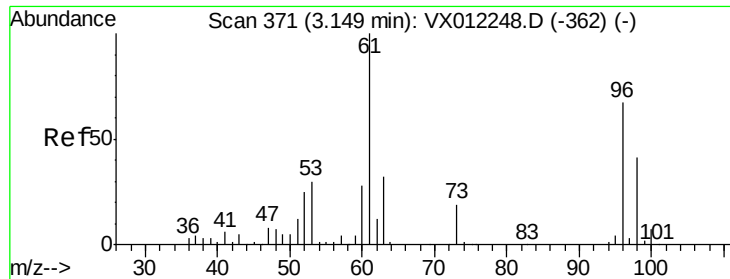
MMDadoda
9/16/2019 1:13:02 AM



#20
Methylene Chloride
Concen: 44.318 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.1	105.0	157.6
51	39.8	32.6	48.8
86	64.3	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 45.516 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

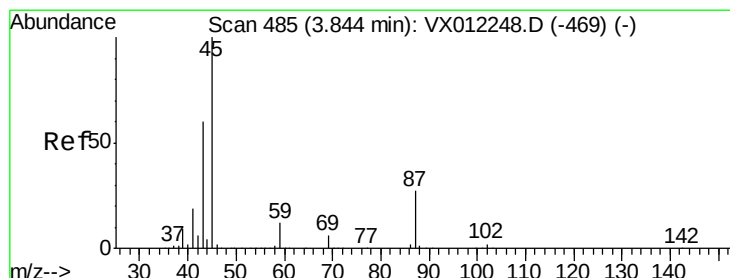
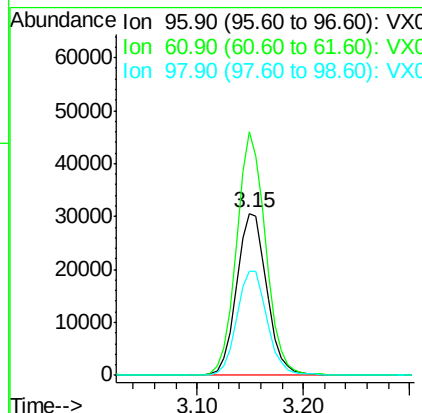
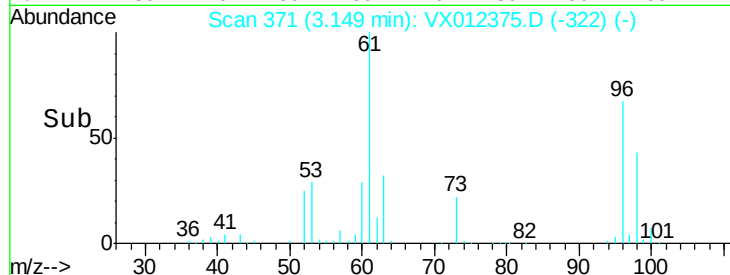
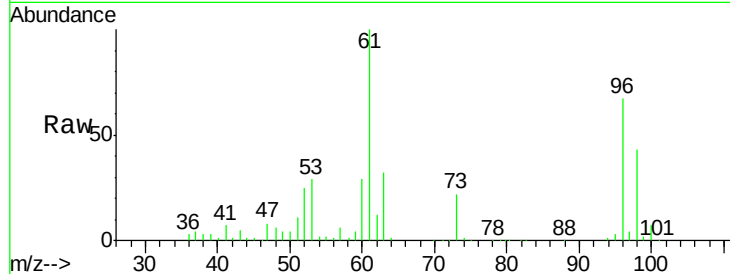
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	61060
Ion	Ratio	Lower	Upper
96	100		
61	150.3	119.4	179.2
98	63.9	48.4	72.6

Manual Integrations
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MMDadoda
9/16/2019 1:13:02 AM



#22

Diisopropyl ether

Concen: 45.608 ug/l

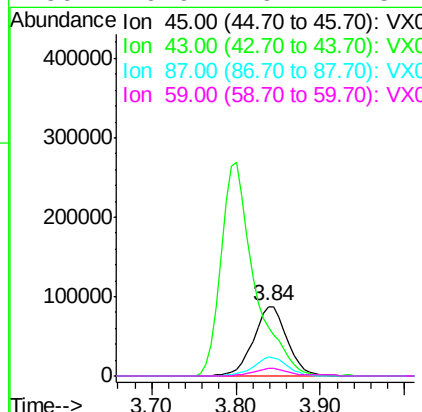
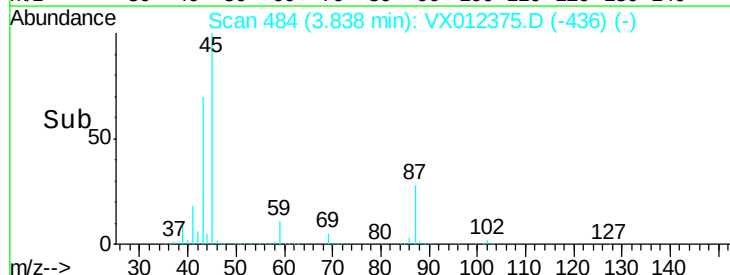
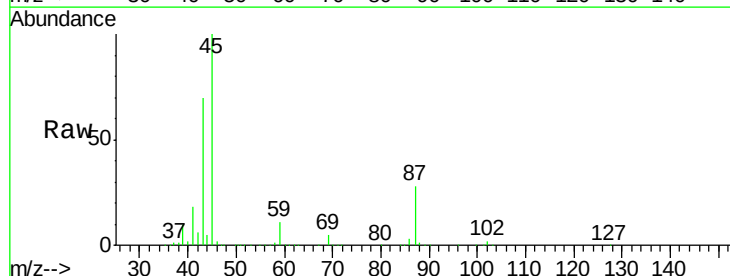
RT: 3.84 min Scan# 484

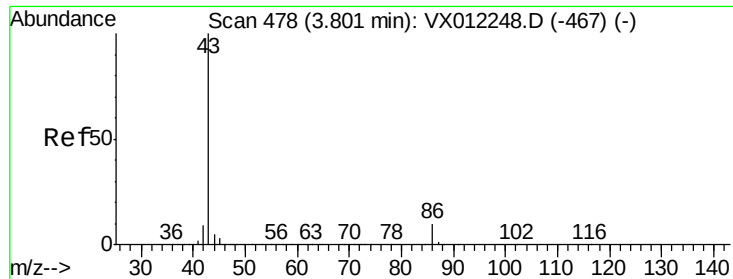
Delta R.T. -0.01 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Tgt Ion:	45	Resp:	239111
Ion	Ratio	Lower	Upper
45	100		
43	69.6	48.3	72.5
87	27.9	21.8	32.8
59	10.9	9.1	13.7





#23

Vinyl Acetate

Concen: 227.748 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 732590

Ion Ratio Lower Upper

43 100

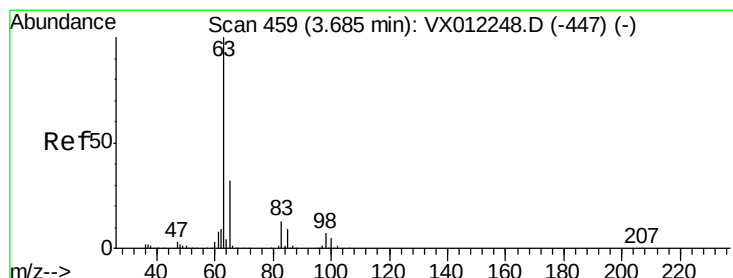
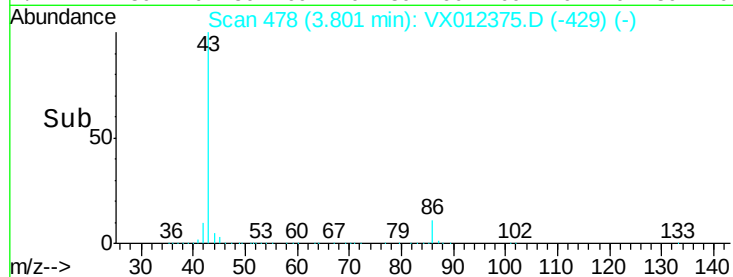
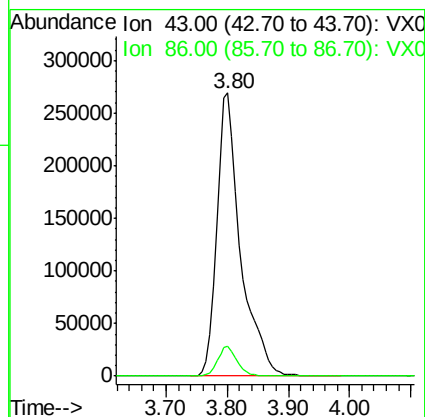
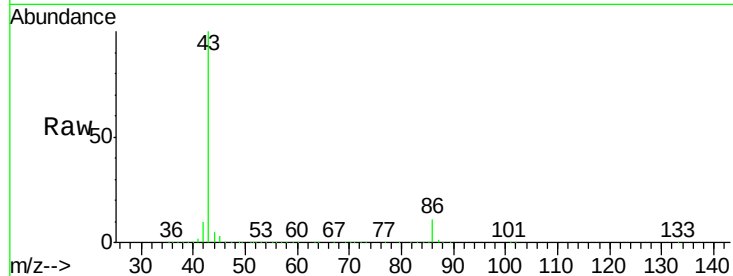
86 10.6 8.3 12.5

Manual Integrations

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MMDadoda

9/16/2019 1:13:02 AM



#24

1,1-Dichloroethane

Concen: 46.313 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

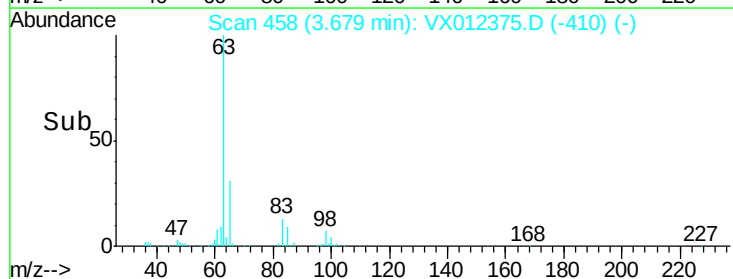
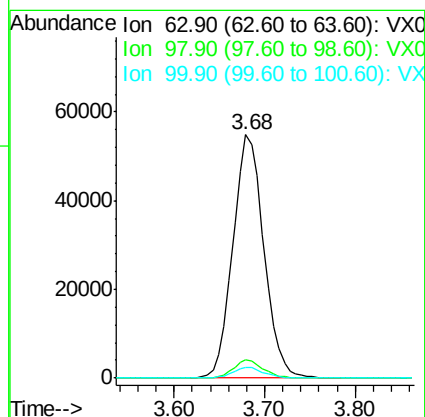
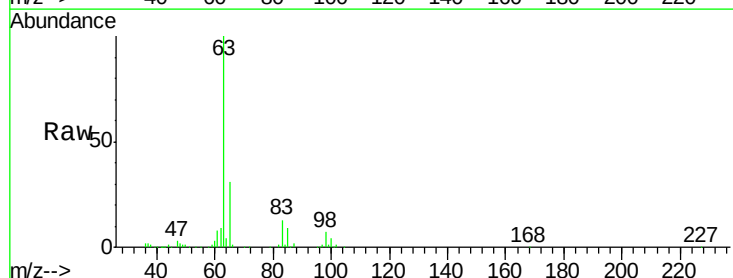
Tgt Ion: 63 Resp: 130059

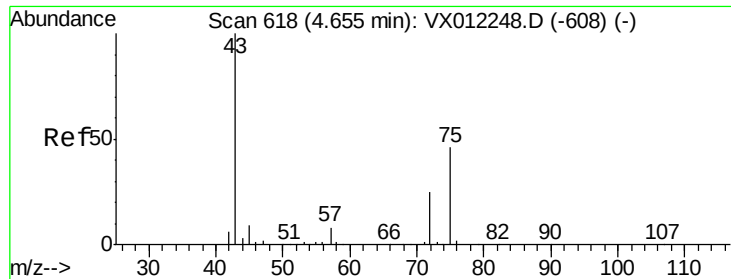
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 230.736 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 146696

Ion Ratio Lower Upper

43 100

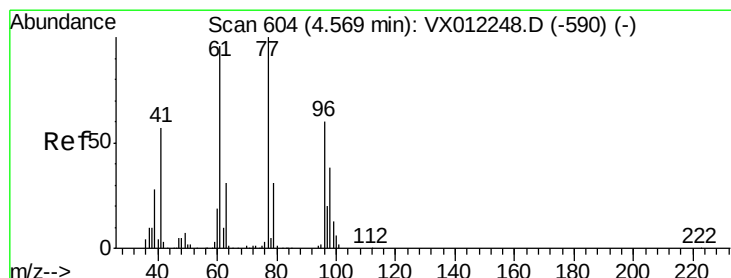
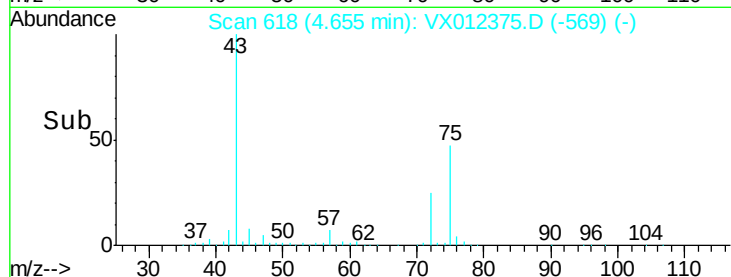
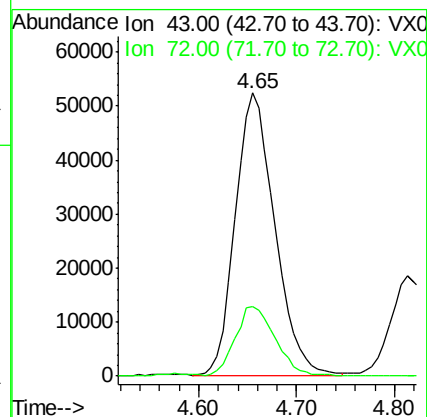
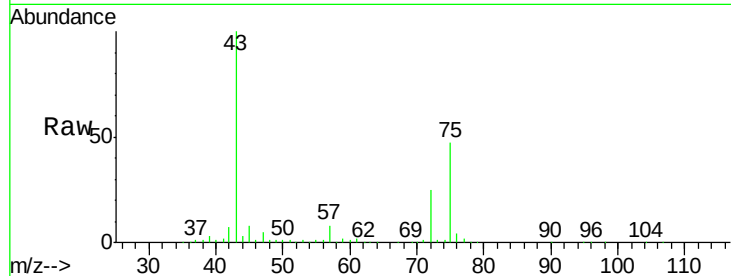
72 24.3 20.2 30.2

Manual Integrations

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MMDadoda

9/16/2019 1:13:02 AM



#26

2,2-Dichloropropane

Concen: 45.719 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012375.D

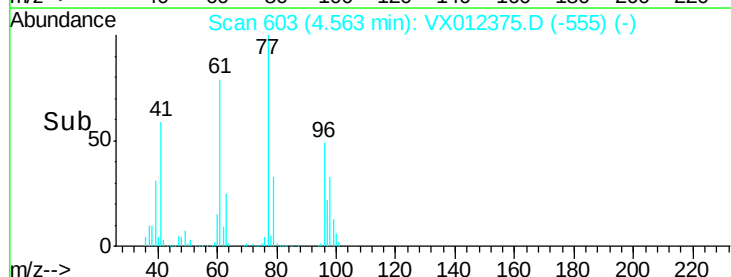
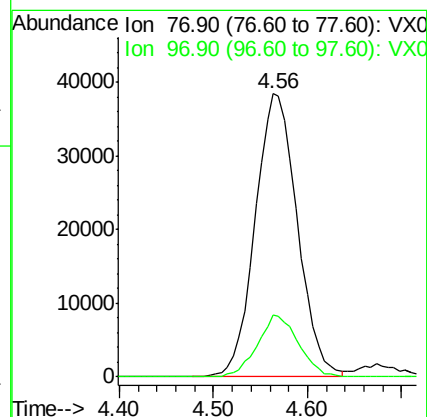
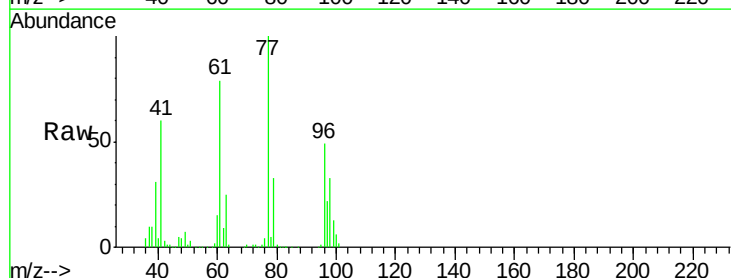
Acq: 13 Sep 2019 09:47

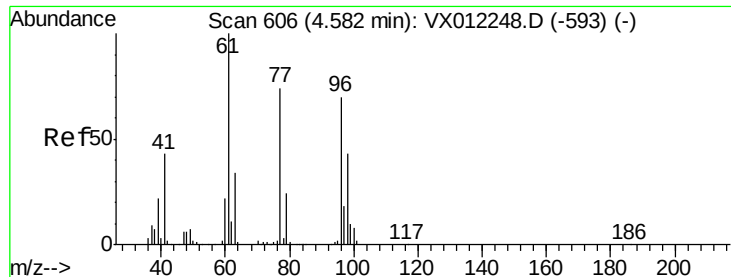
Tgt Ion: 77 Resp: 120540

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1





#27

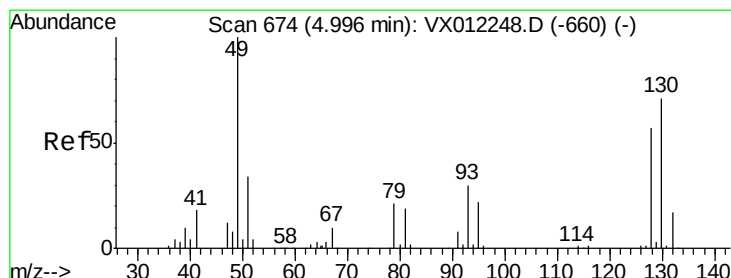
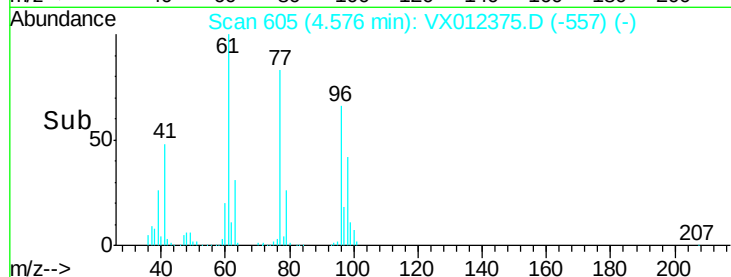
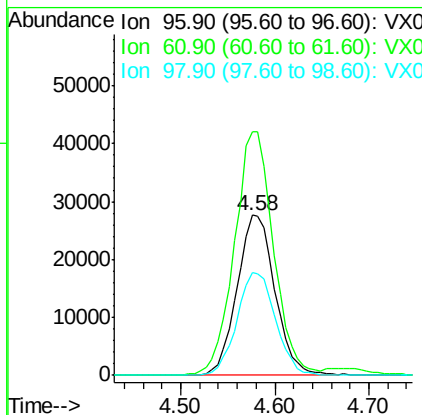
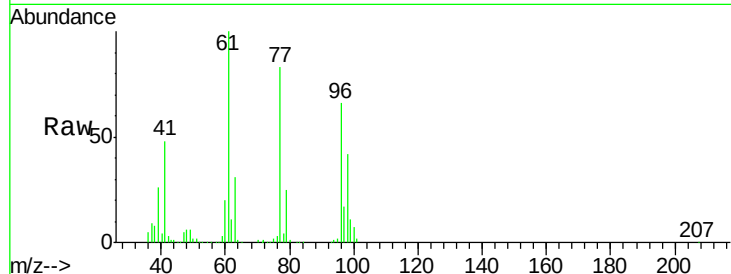
cis-1,2-Dichloroethene
 Concen: 44.931 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.6	0.0	310.4	
98	65.4	0.0	128.8	

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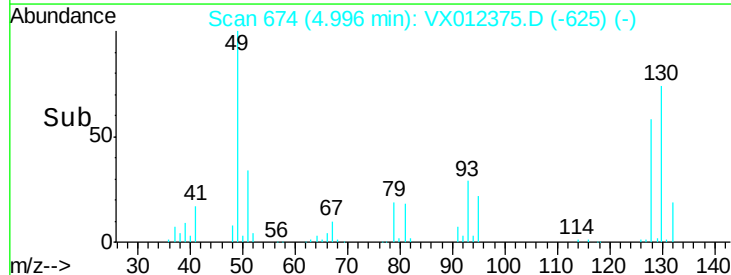
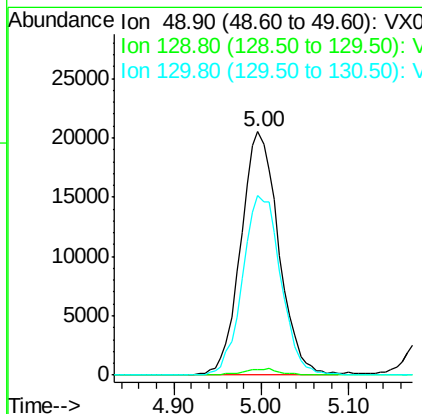
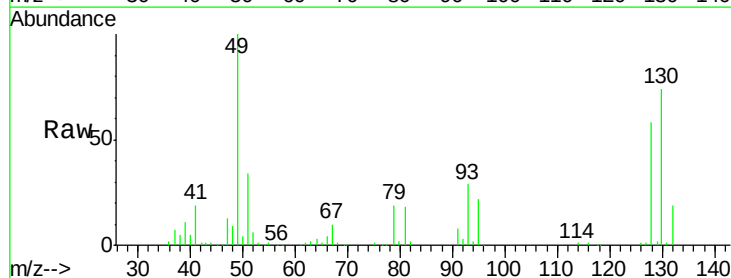
MMDadoda
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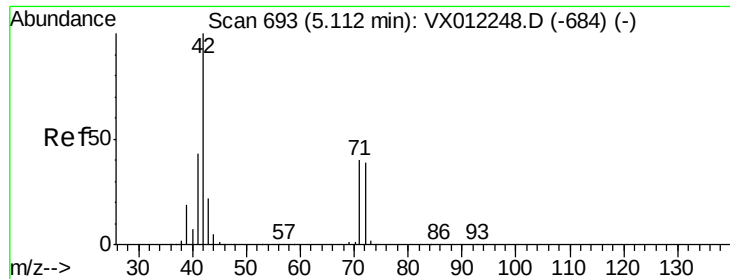


#28

Bromochloromethane
 Concen: 46.481 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	5.2	
130	75.4	60.1	90.1	





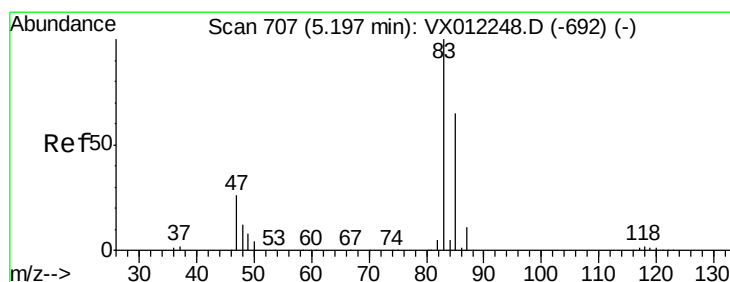
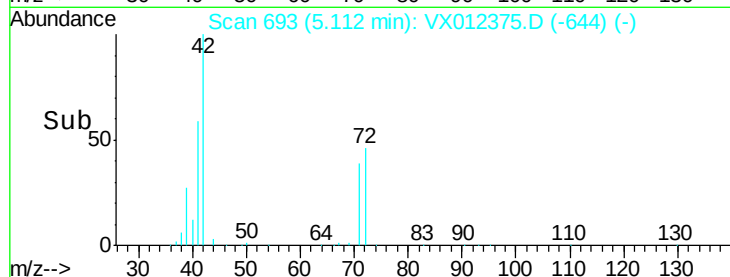
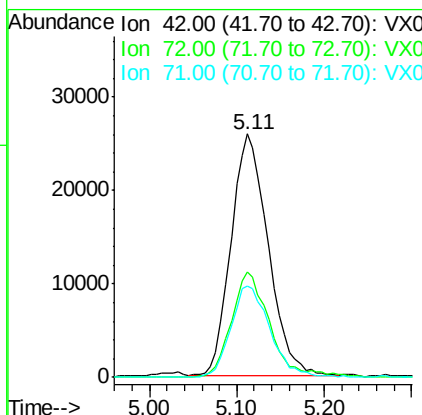
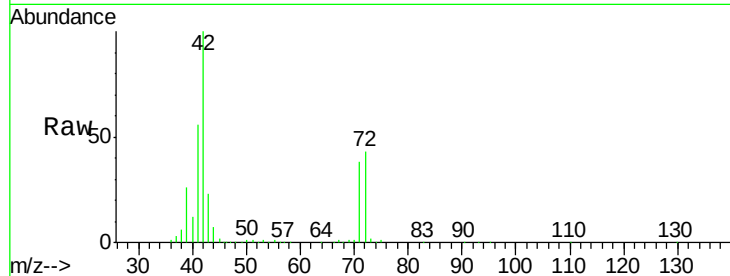
#29
Tetrahydrofuran
Concen: 223.107 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.2	52.8
71	39.7	32.5	48.7

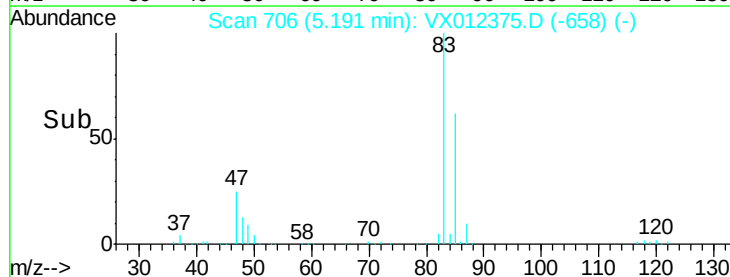
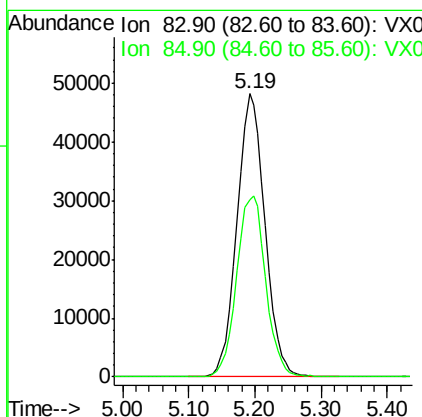
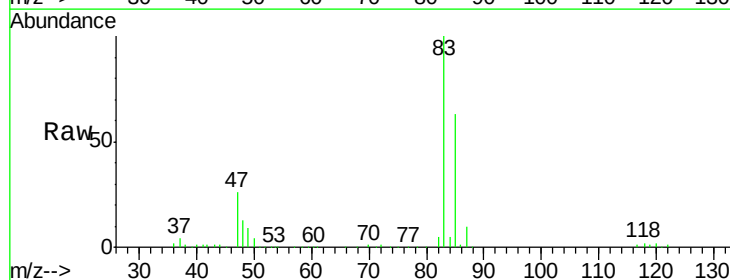
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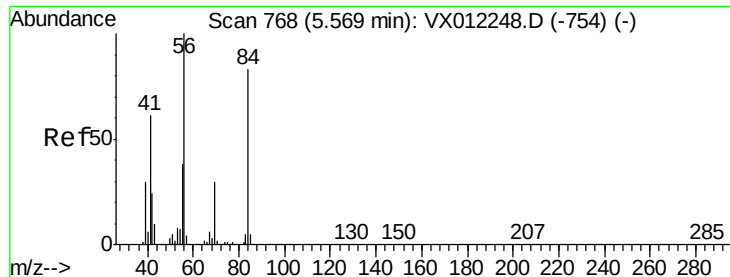
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#30
Chloroform
Concen: 44.601 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.3	78.5





#31

Cyclohexane

Concen: 45.576 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

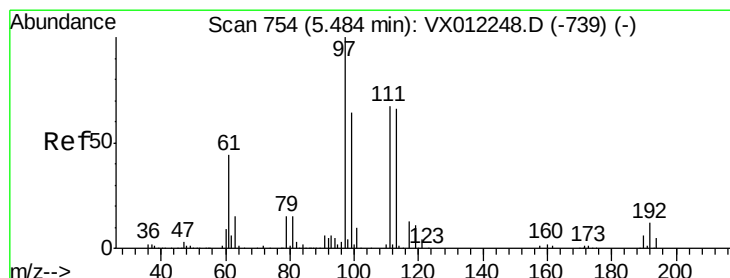
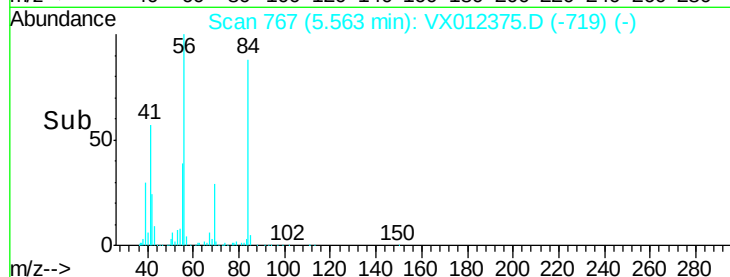
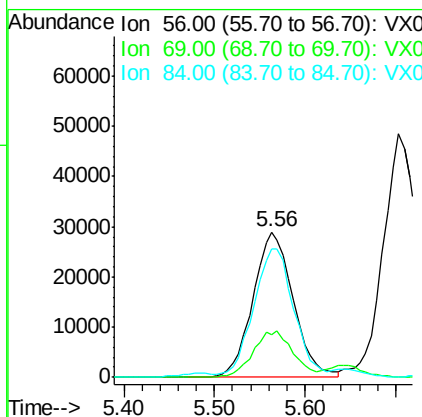
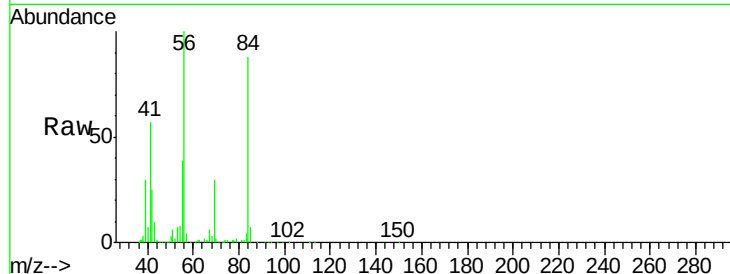
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	88907
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.8	35.6
84	85.8	66.6	100.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.448 ug/l

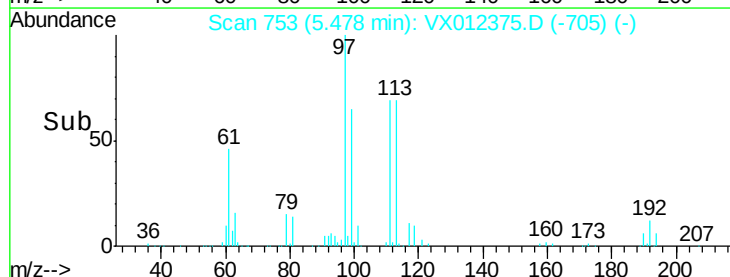
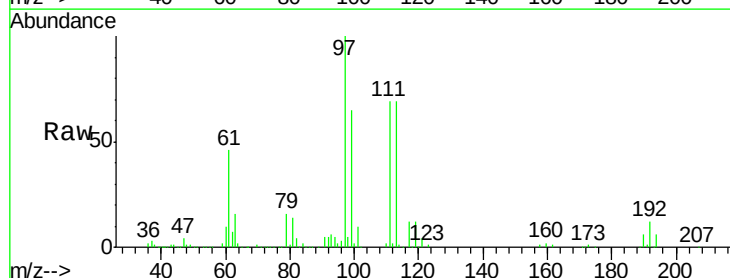
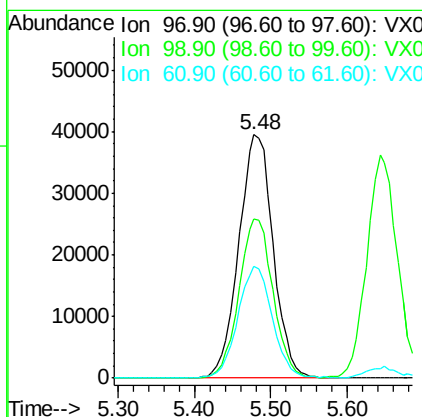
RT: 5.48 min Scan# 753

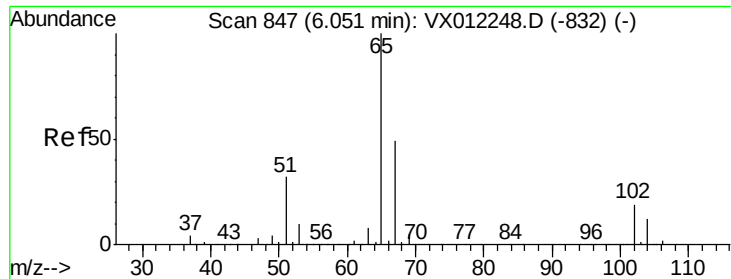
Delta R.T. -0.01 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Tgt Ion:	97	Resp:	123580
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	45.9	35.4	53.0





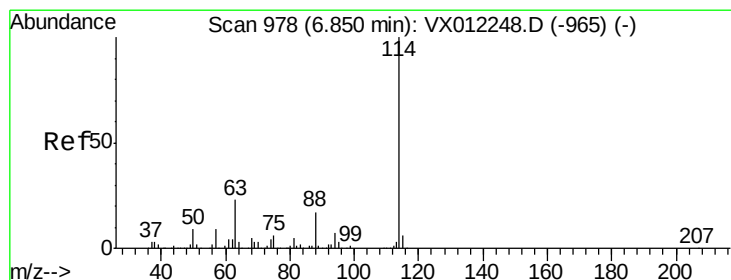
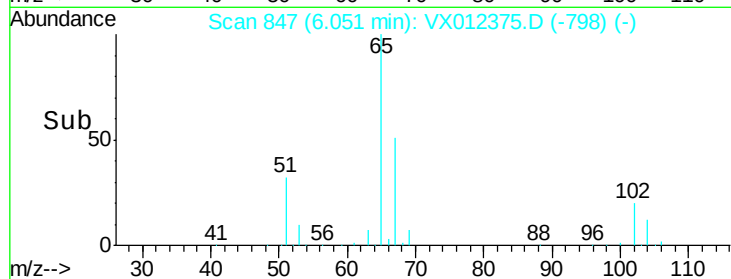
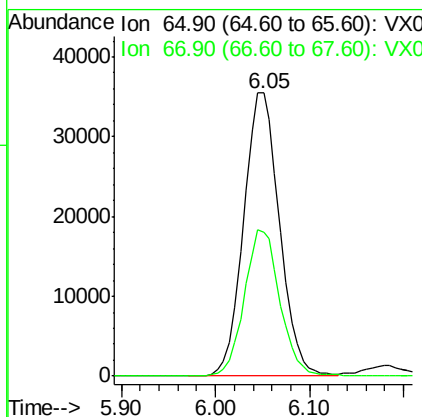
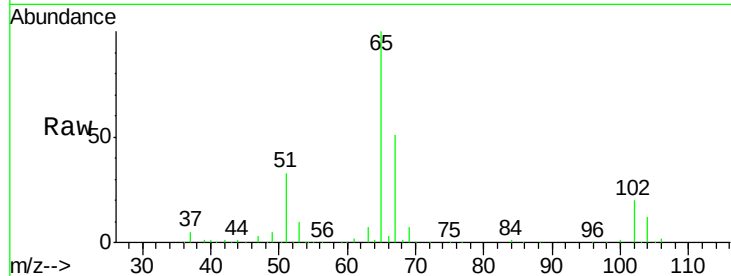
#33
 1,2-Dichloroethane-d4
 Concen: 45.199 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	94958		
67	51.0	0.0	99.8	

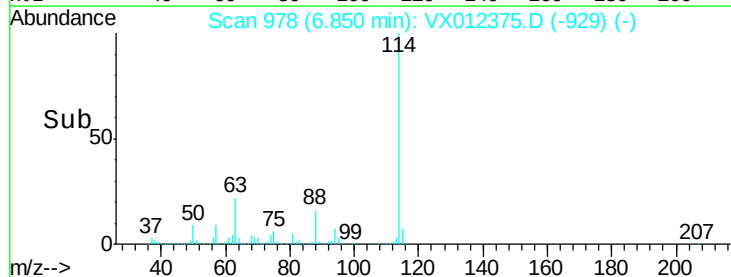
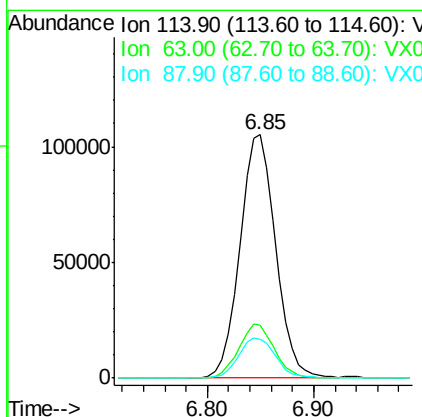
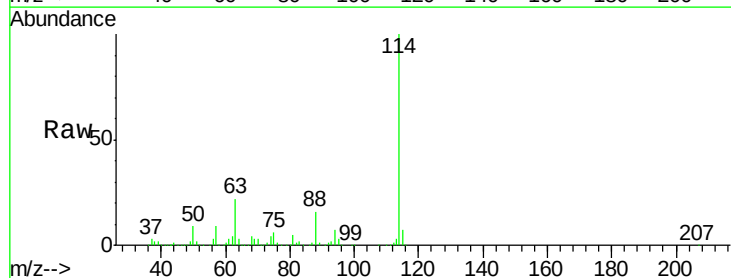
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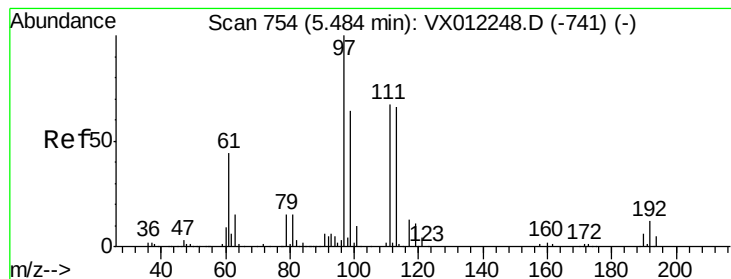
MMDadoda
 9/16/2019 1:13:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	247697		
63	21.5	0.0	45.2	
88	16.2	0.0	34.8	





#35

Dibromofluoromethane

Concen: 49.704 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

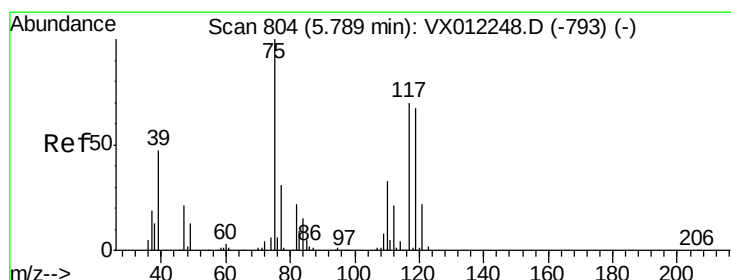
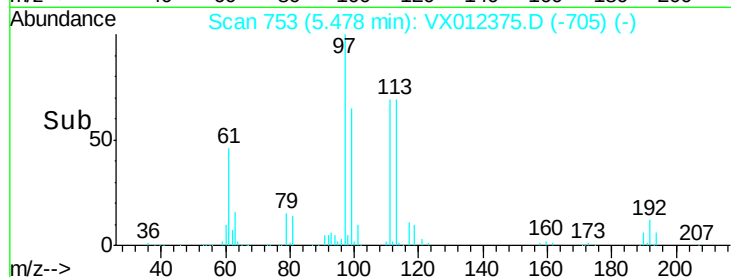
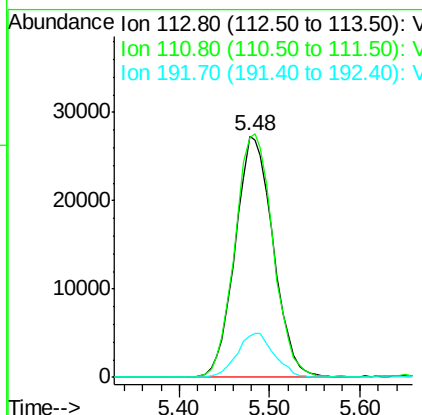
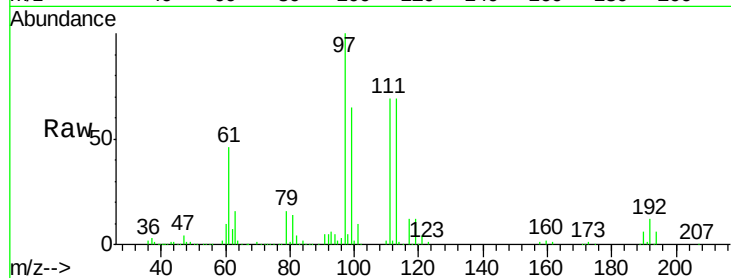
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	78922
Ion Ratio	Lower	Upper	
113	100		
111	102.3	83.0	124.6
192	18.0	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.095 ug/l

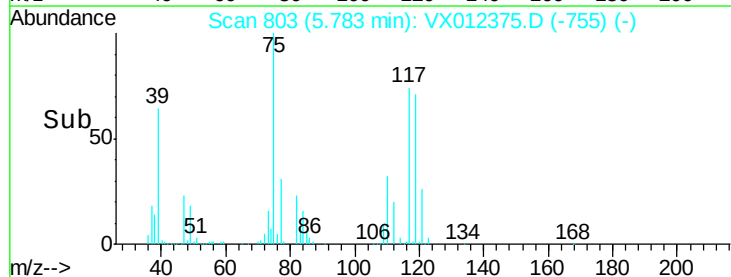
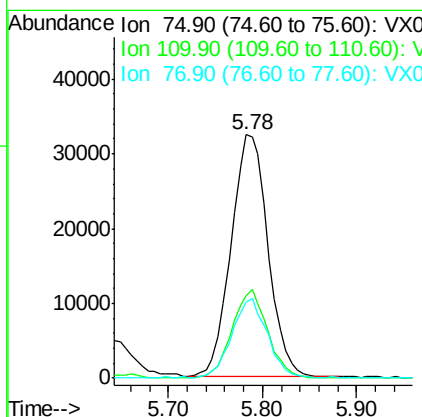
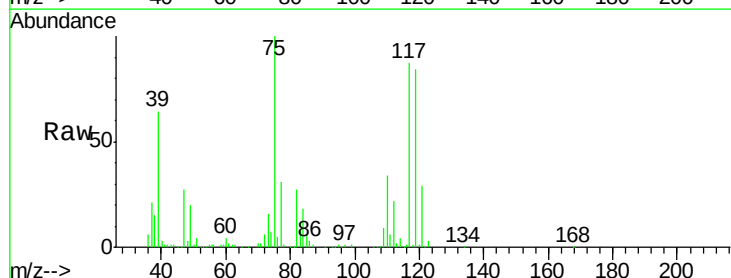
RT: 5.78 min Scan# 803

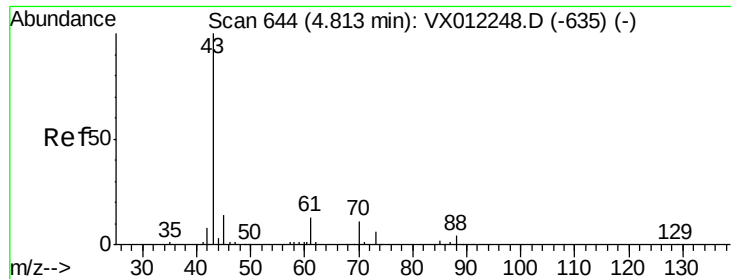
Delta R.T. -0.01 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Tgt Ion:	75	Resp:	88671
Ion Ratio	Lower	Upper	
75	100		
110	35.0	16.8	50.4
77	30.8	24.5	36.7





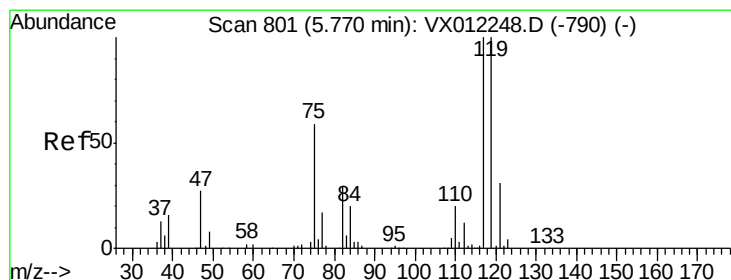
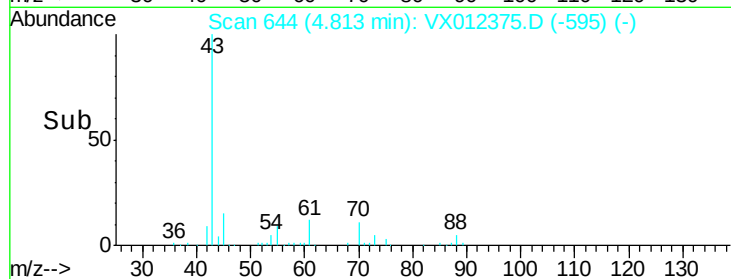
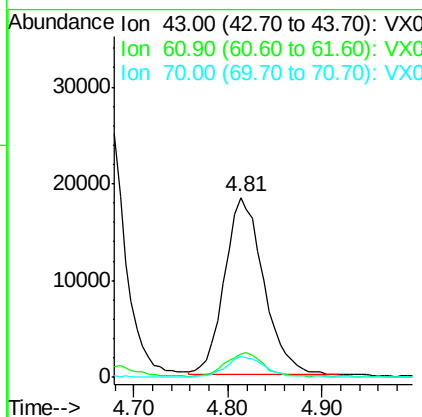
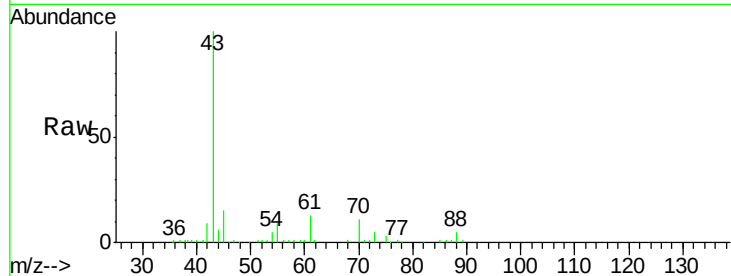
#37
Ethyl Acetate
Concen: 47.507 ug/l
RT: 4.81 min Scan# 644
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.3	15.5
70	12.2	9.1	13.7

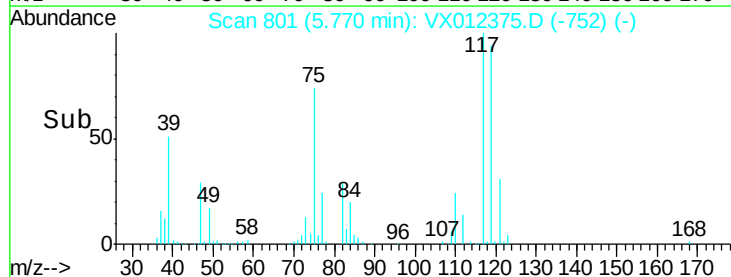
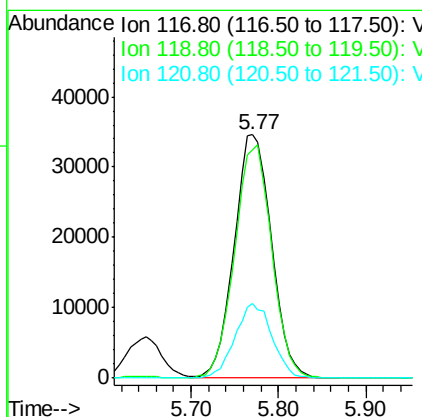
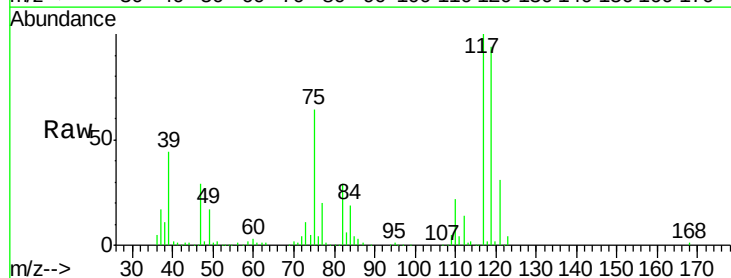
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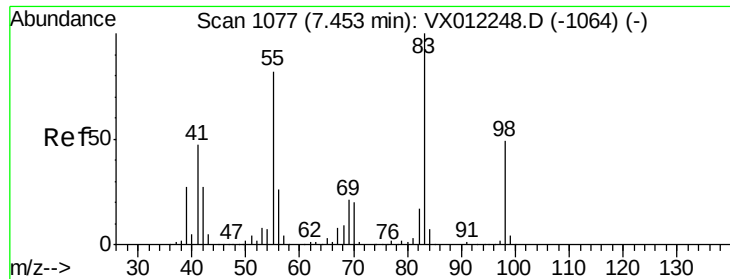
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#38
Carbon Tetrachloride
Concen: 48.715 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	79.6	119.4
121	30.8	24.7	37.1





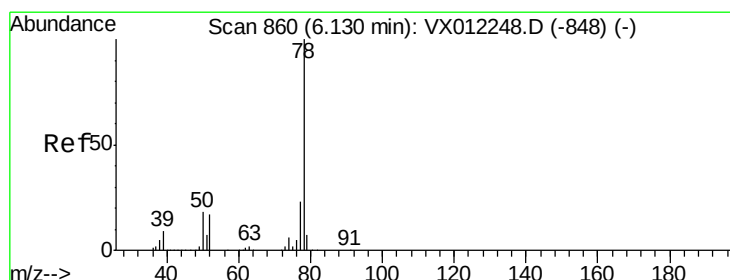
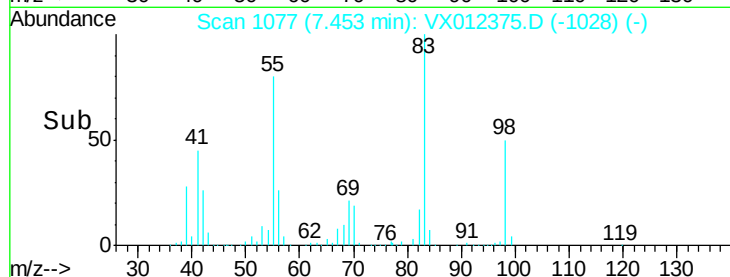
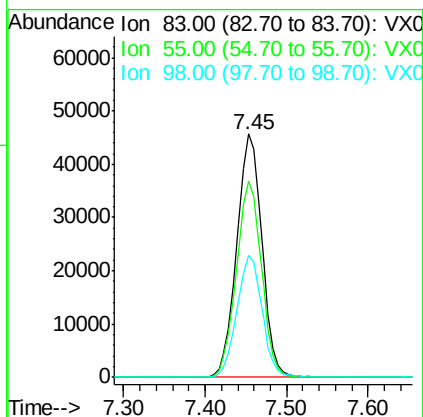
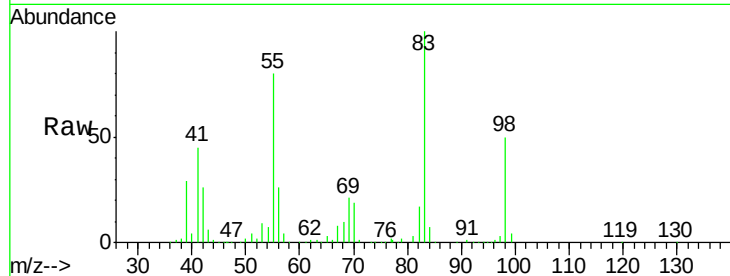
#39
Methylvlcyclohexane
Concen: 49.124 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	65.4	98.2
98	50.1	39.6	59.4

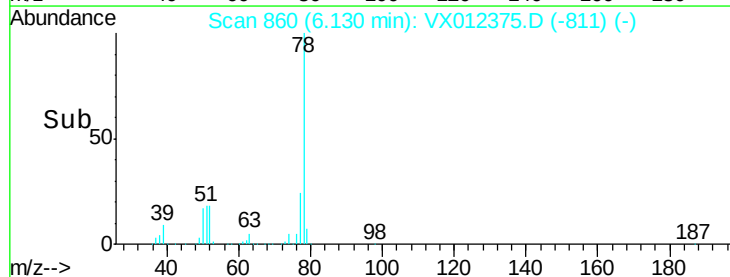
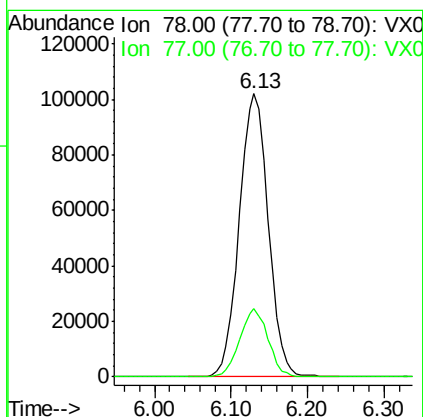
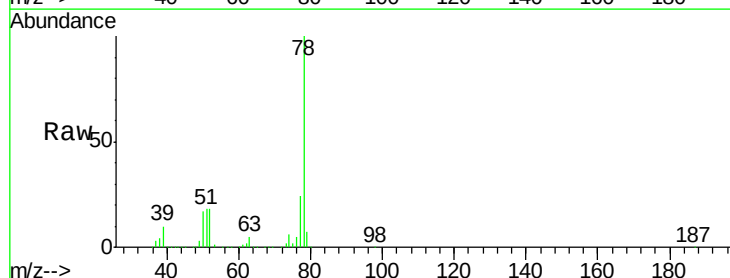
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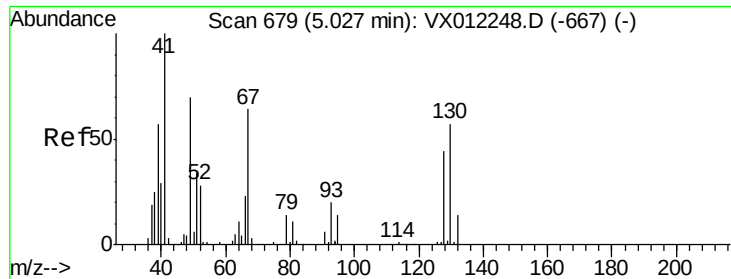
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#40
Benzene
Concen: 49.152 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.0	27.0





#41

Methacrylonitrile

Concen: 48.036 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012375.D

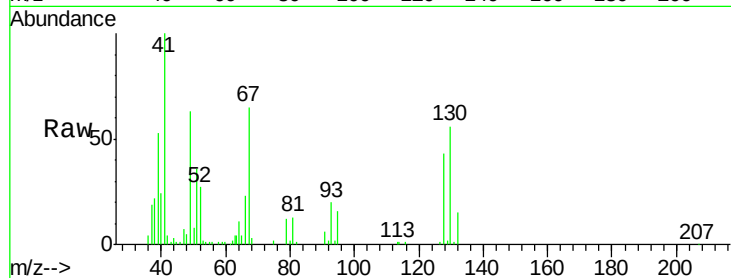
Acq: 13 Sep 2019 09:47

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		33063		
39	56.9	49.0	73.4		
67	69.2	55.0	82.4		
52	32.6	25.4	38.0		

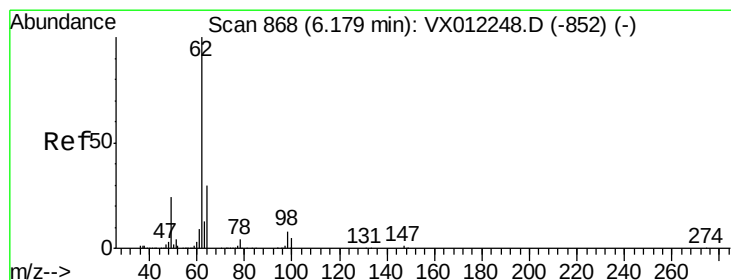
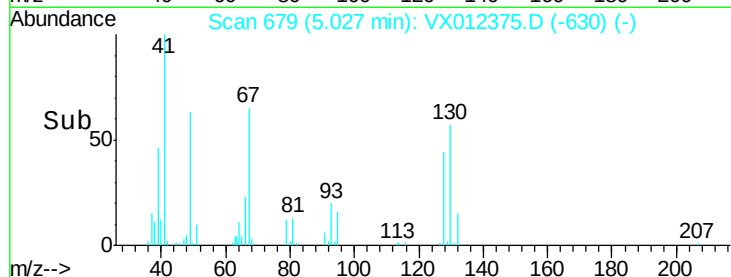
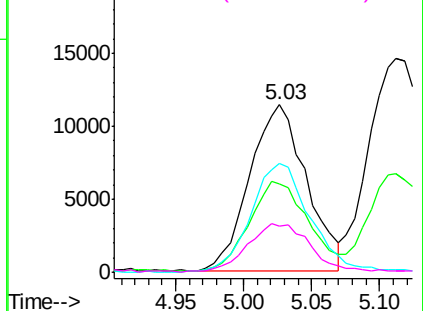
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 46.824 ug/l

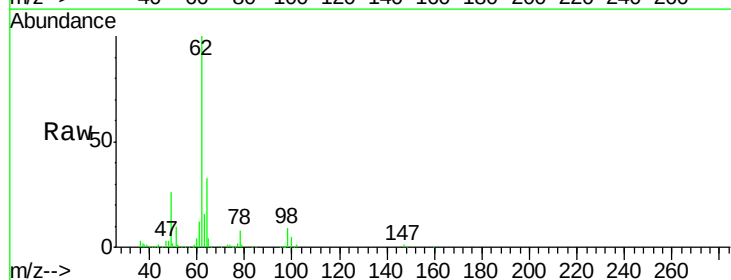
RT: 6.18 min Scan# 868

Delta R.T. 0.00 min

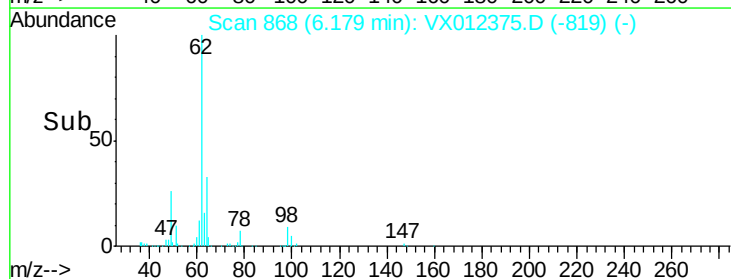
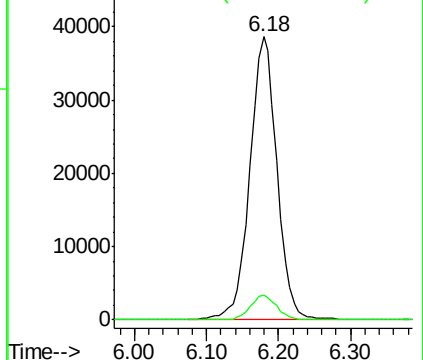
Lab File: VX012375.D

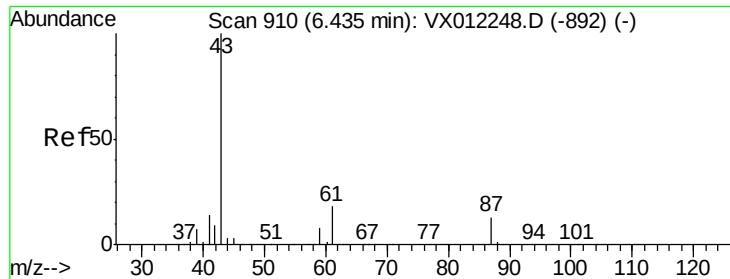
Acq: 13 Sep 2019 09:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		101164		
98	8.5	0.0	17.2		



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 46.143 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

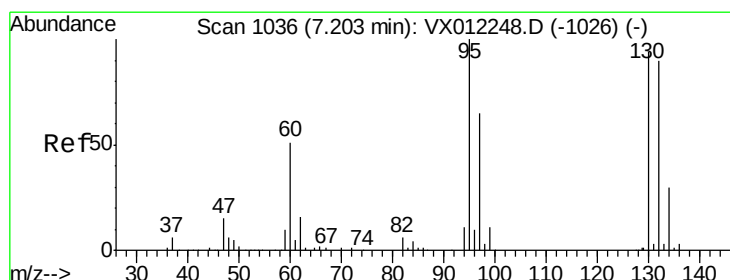
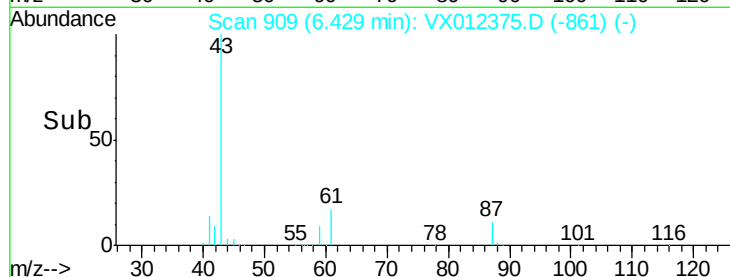
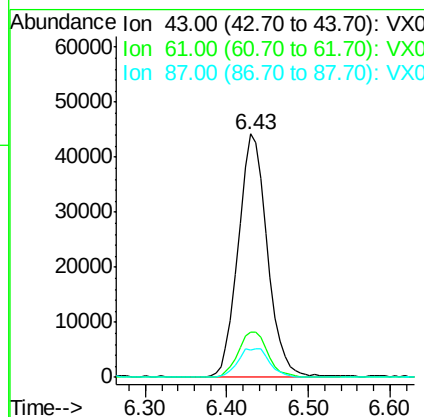
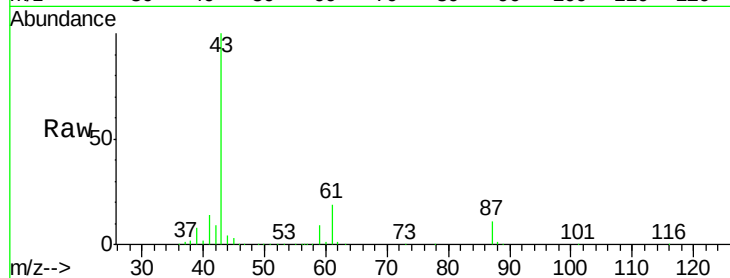
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	108615
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.2
87	13.0	10.5	15.7

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#44

Trichloroethene

Concen: 49.657 ug/l

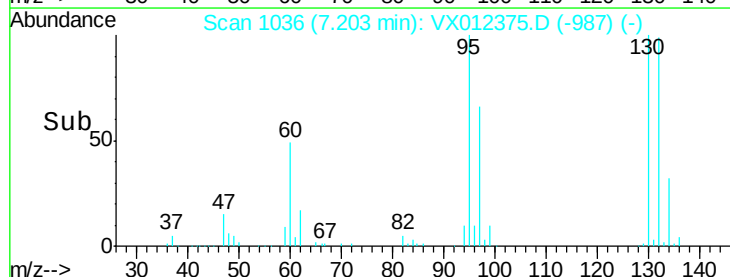
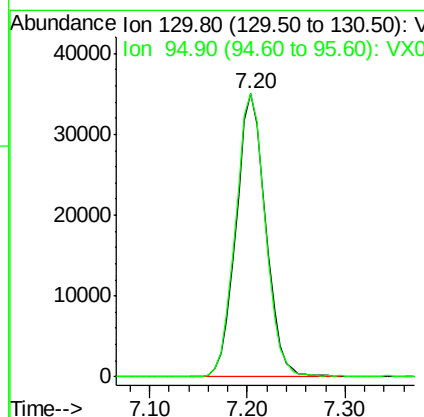
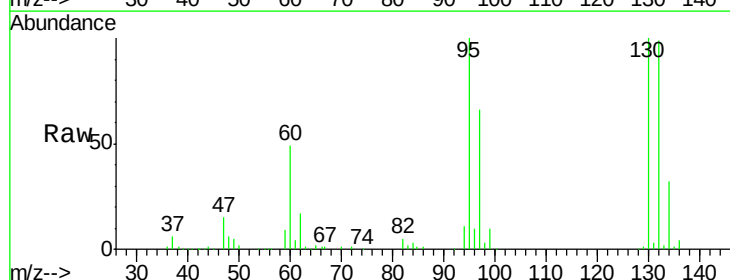
RT: 7.20 min Scan# 1036

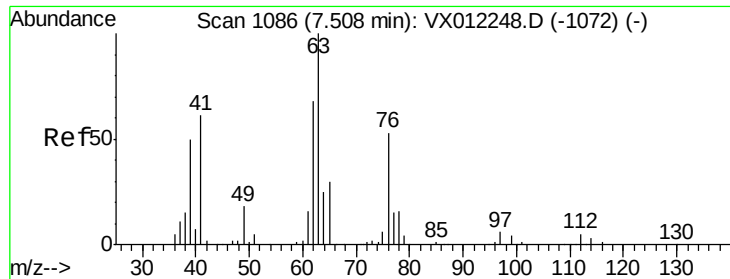
Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Tgt Ion:	130	Resp:	73461
Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	212.0





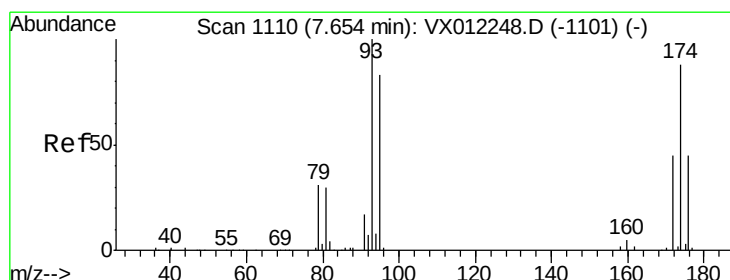
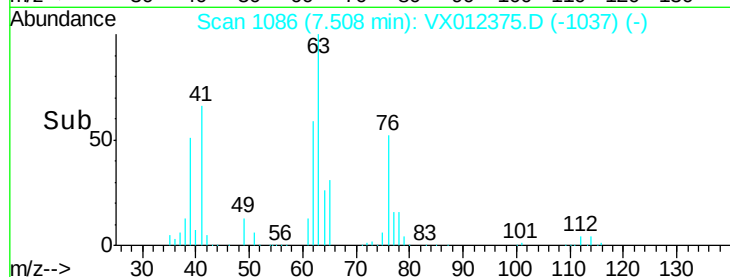
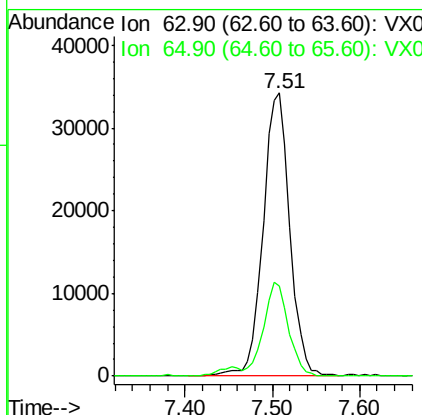
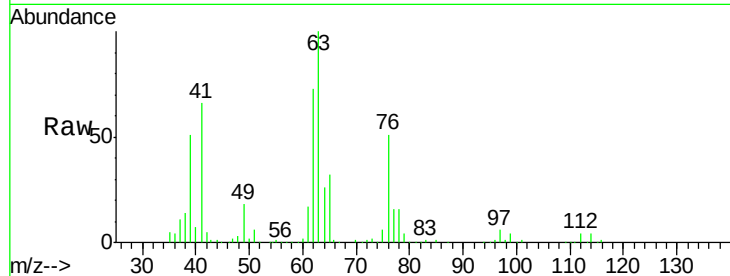
#45
1,2-Dichloropropane
Concen: 48.401 ug/l
RT: 7.51 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 73234
Ion Ratio Lower Upper
63 100
65 31.8 24.3 36.5

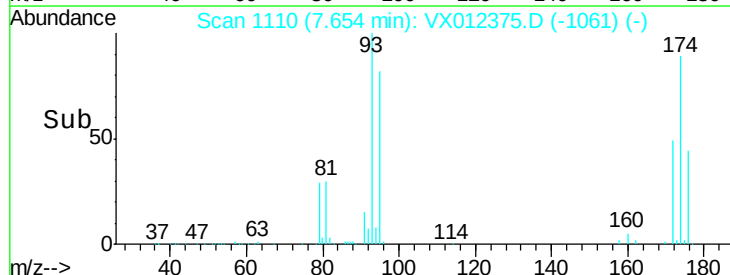
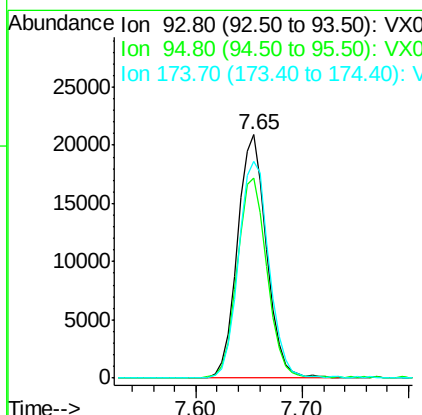
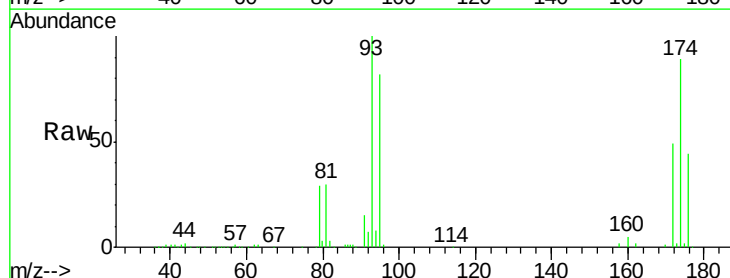
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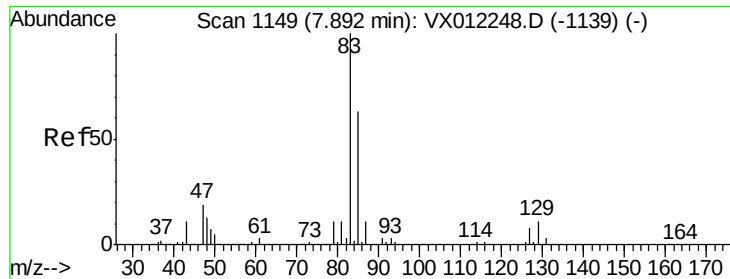
MMDadoda
9/16/2019 1:13:02 AM



#46
Dibromomethane
Concen: 48.582 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion: 93 Resp: 40175
Ion Ratio Lower Upper
93 100
95 84.1 65.7 98.5
174 93.2 71.0 106.4





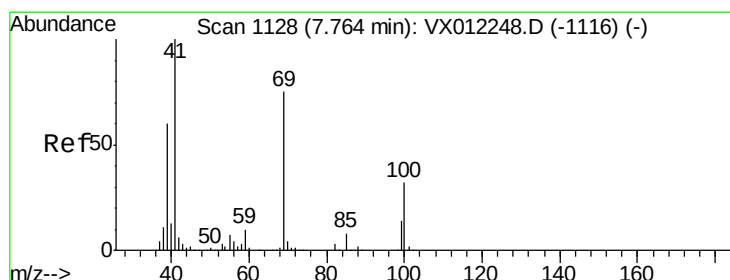
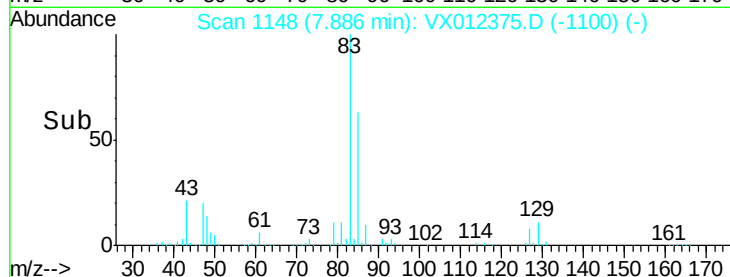
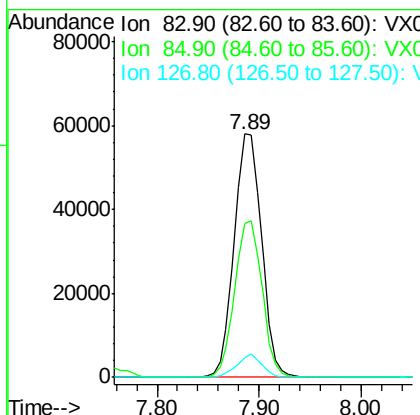
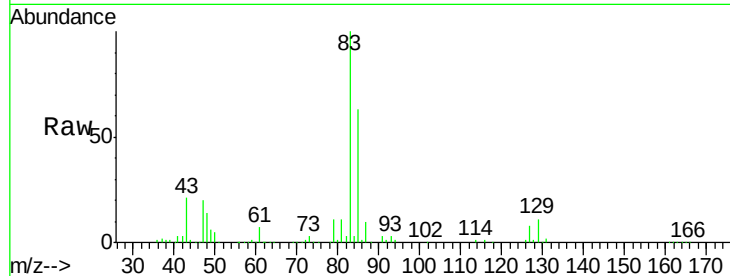
#47
Bromodichloromethane
Concen: 47.947 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	108204		
85	63.1	50.2	75.4	
127	8.0	6.3	9.5	

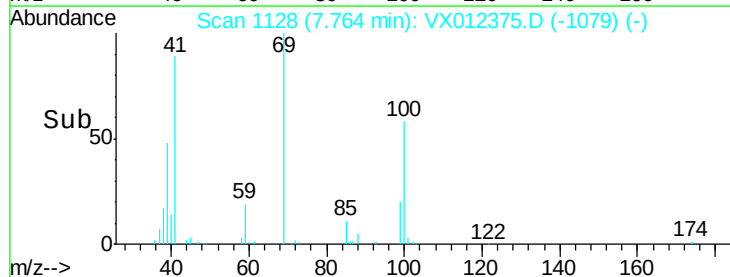
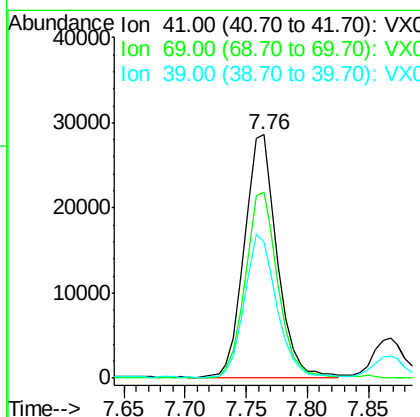
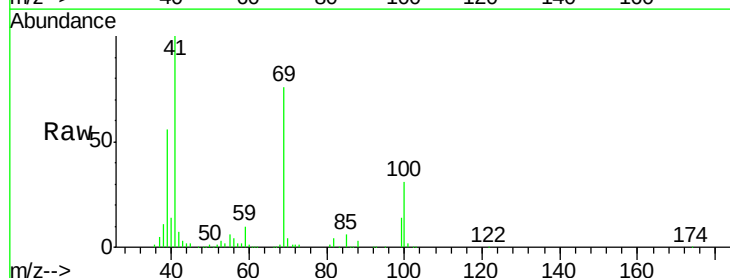
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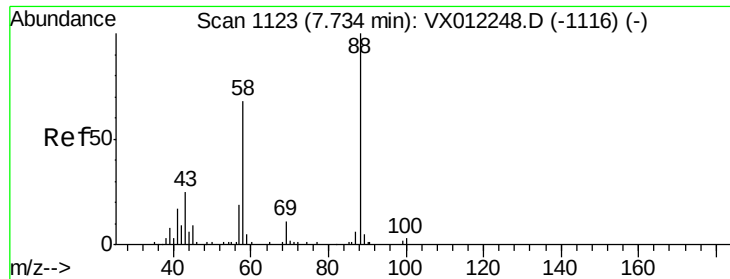
MMDadoda
9/16/2019 1:13:02 AM



#48
Methyl methacrylate
Concen: 47.074 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	53038		
69	76.4	61.8	92.6	
39	57.5	48.6	73.0	





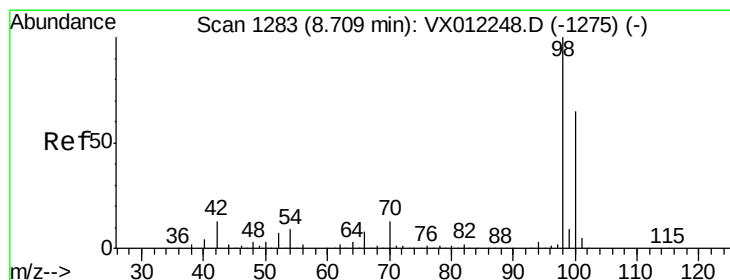
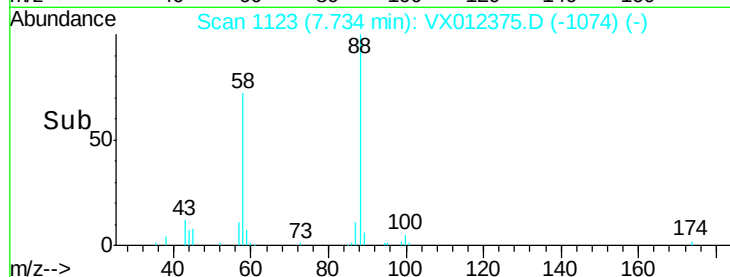
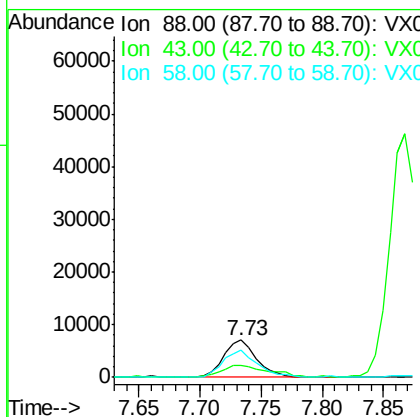
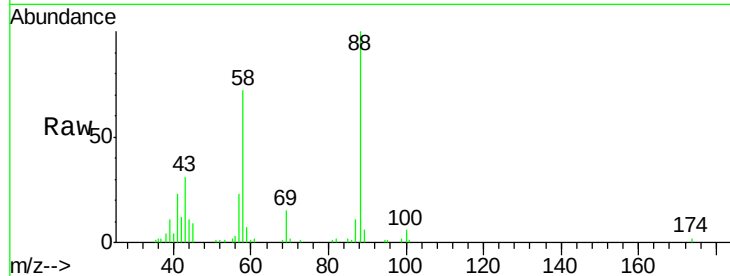
#49
1,4-Dioxane
Concen: 876.769 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.7	31.0	46.4
58	75.1	61.5	92.3

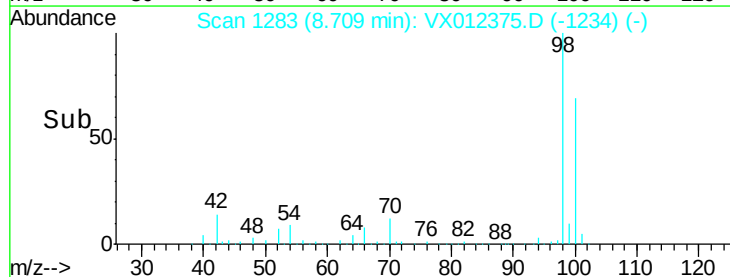
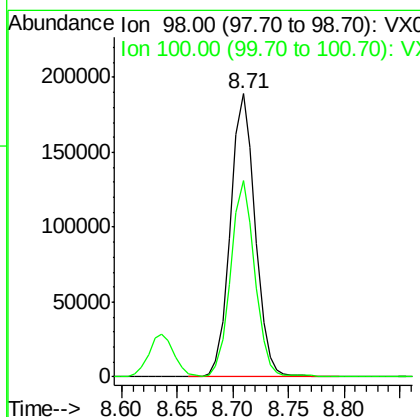
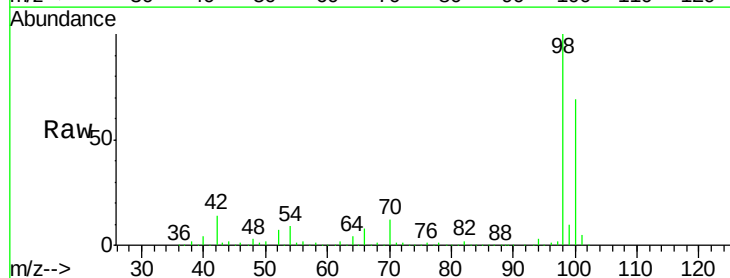
Manual Integrations
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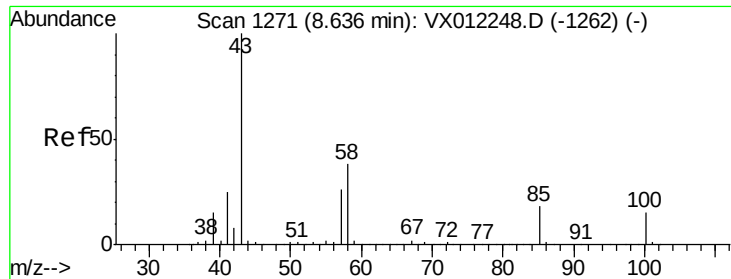
MMDadoda
9/16/2019 1:13:02 AM



#50
Toluene-d8
Concen: 52.272 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.7	54.1	81.1





#51

4-Methyl-2-Pentanone

Concen: 233.453 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 290024

Ion Ratio Lower Upper

43 100

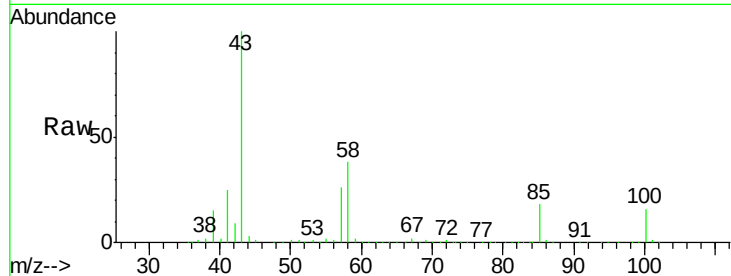
58 37.8 30.1 45.1

Manual Integrations

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MMDadoda

9/16/2019 1:13:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

200000

150000

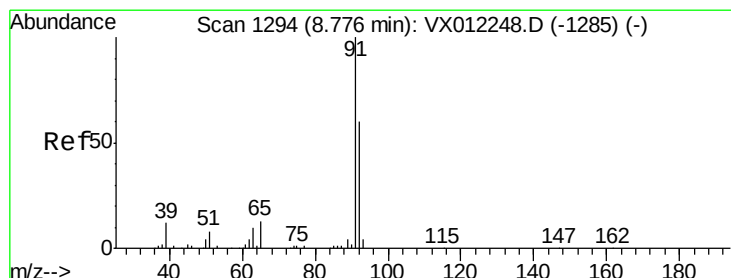
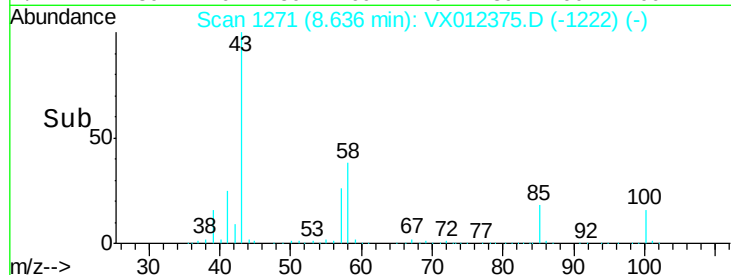
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 48.336 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX012375.D

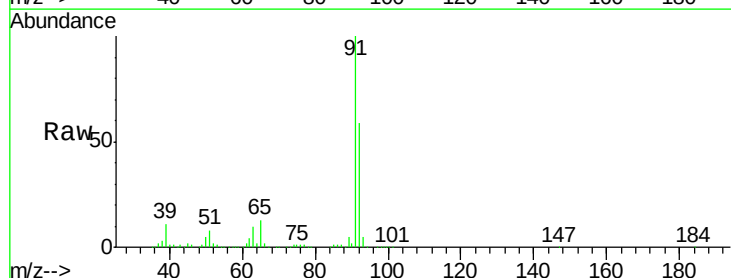
Acq: 13 Sep 2019 09:47

Tgt Ion: 92 Resp: 174523

Ion Ratio Lower Upper

92 100

91 170.5 133.6 200.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

200000

150000

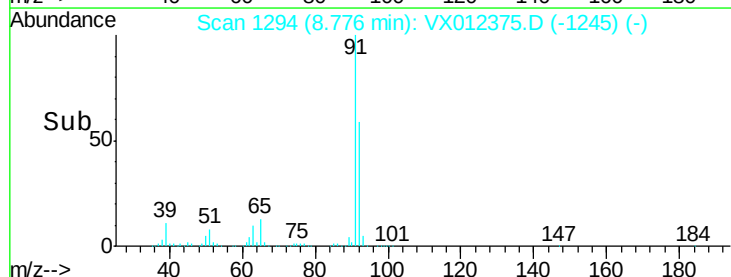
100000

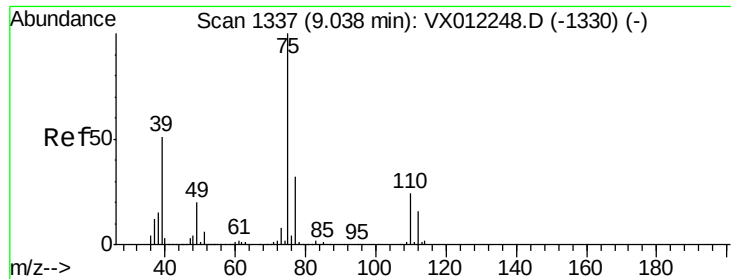
50000

0

8.70 8.80 8.90

Time-->





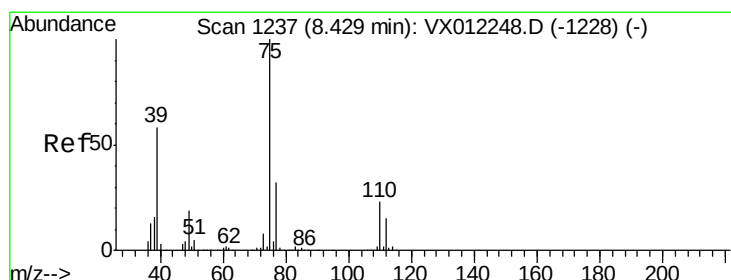
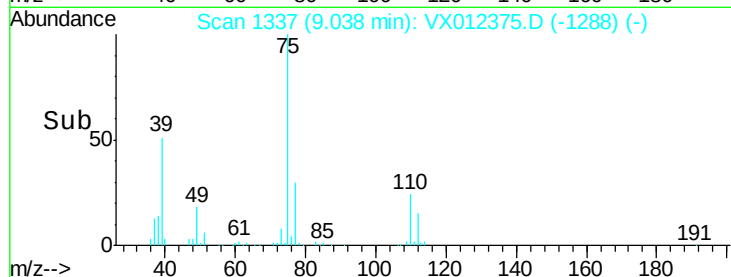
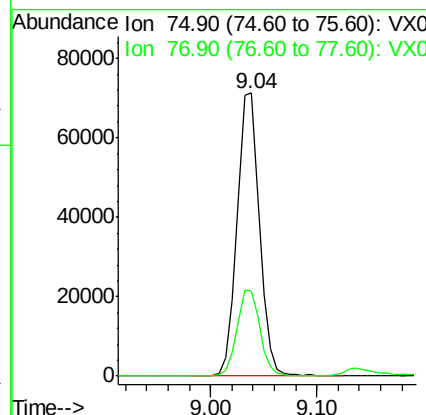
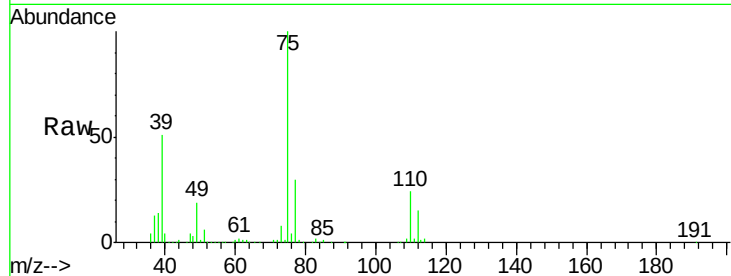
#53
 t-1,3-Dichloropropene
 Concen: 47.186 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 106283
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.8 38.6

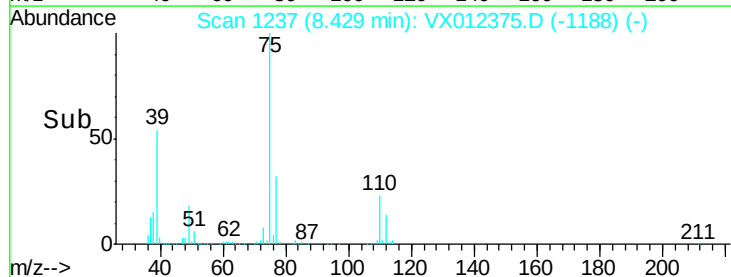
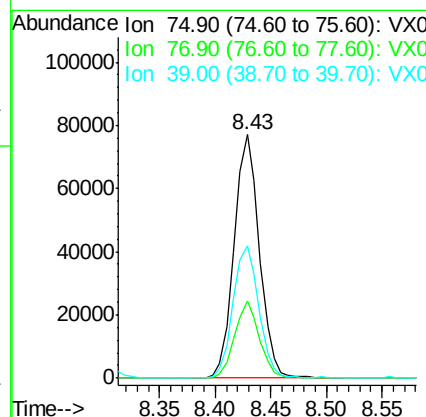
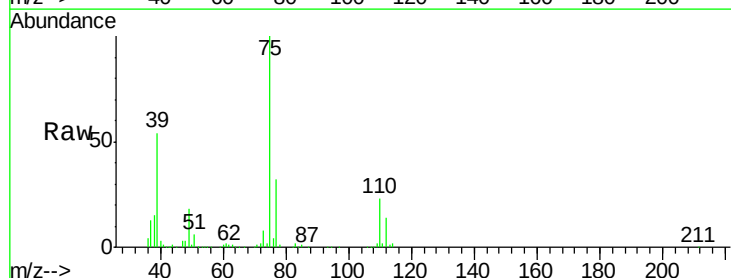
Manual Integrations
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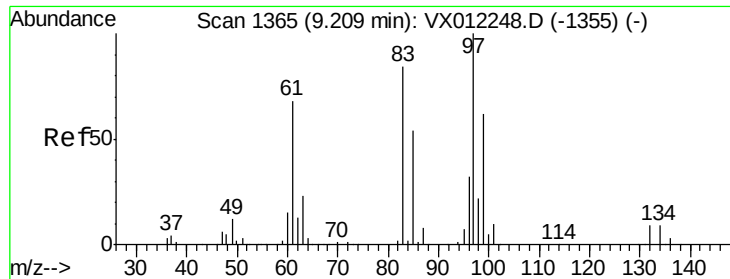
MMDadoda
 9/16/2019 1:13:02 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.438 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Tgt Ion: 75 Resp: 120983
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2
 39 53.9 46.5 69.7





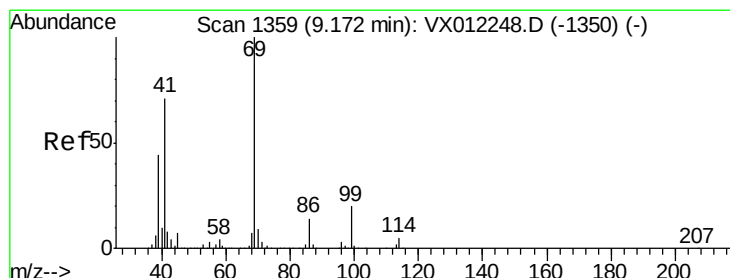
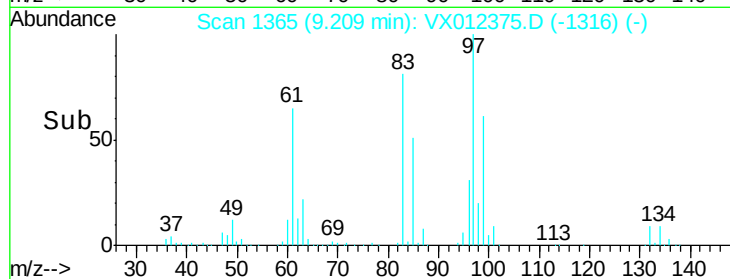
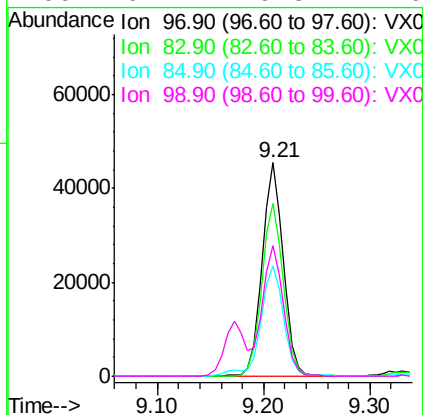
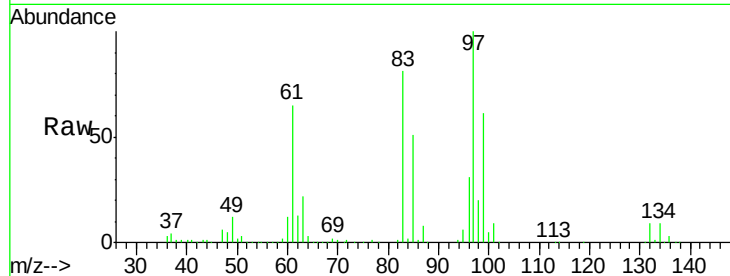
#55
 1,1,2-Trichloroethane
 Concen: 49.501 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	63419
Ion	Ratio	Lower	Upper
97	100		
83	80.8	67.4	101.2
85	51.2	43.4	65.2
99	61.2	49.8	74.6

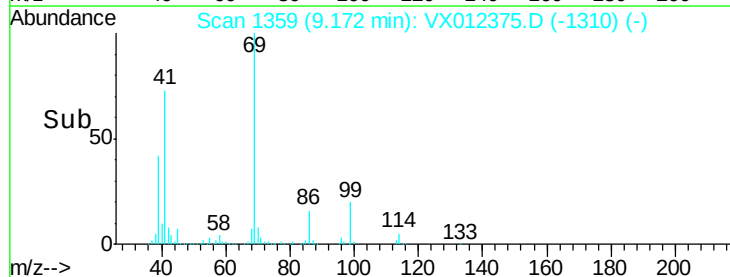
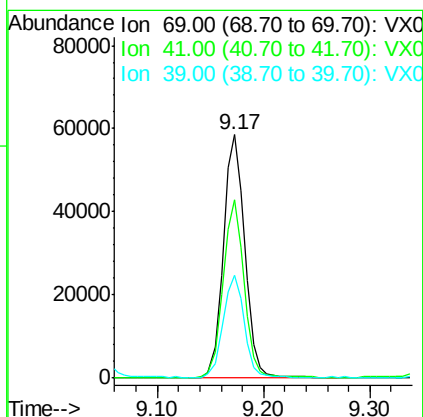
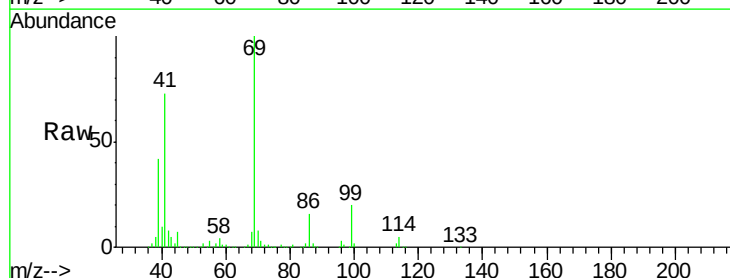
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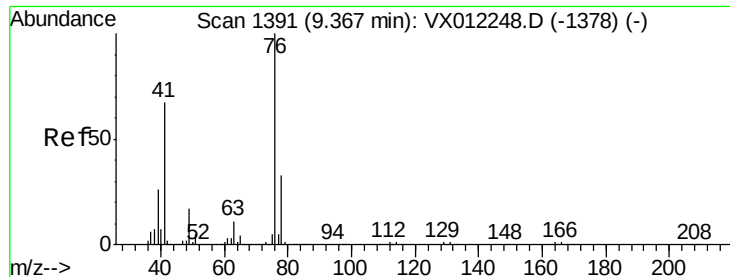
MMDadoda
 9/16/2019 1:13:02 AM



#56
 Ethyl methacrylate
 Concen: 47.805 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Tgt Ion:	69	Resp:	82926
Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.7	86.5
39	40.9	34.0	51.0





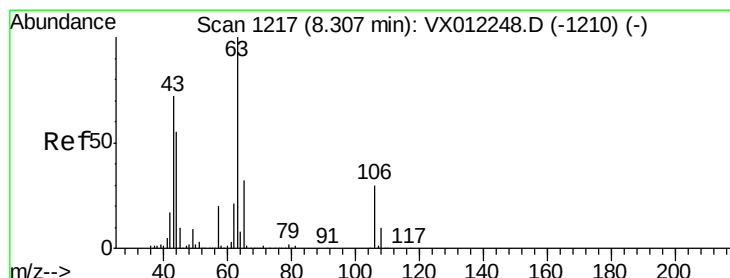
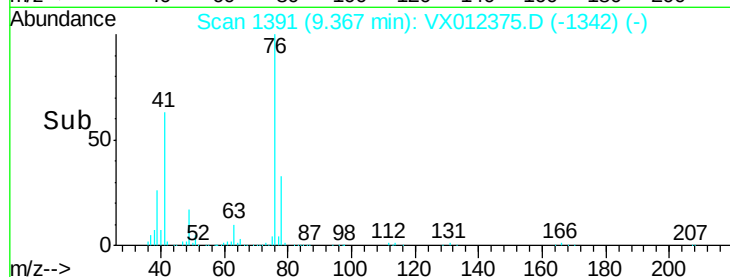
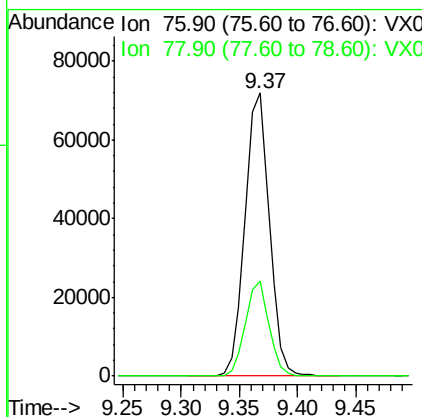
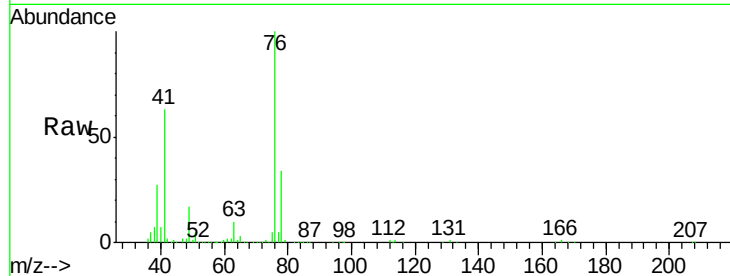
#57
 1,3-Dichloropropane
 Concen: 48.625 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

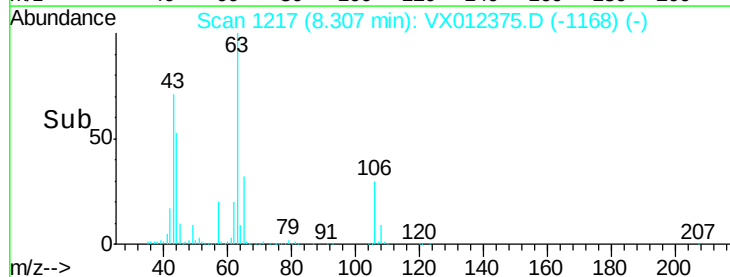
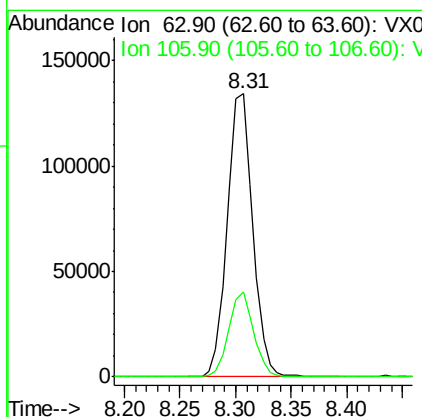
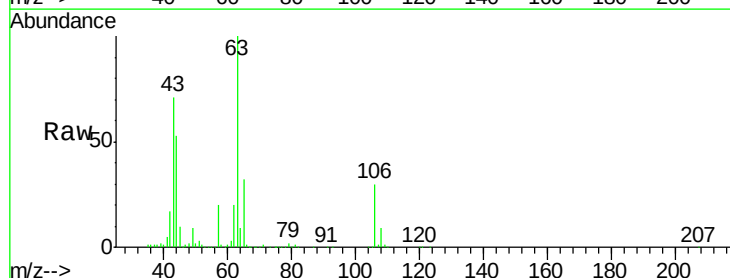
Manual Integrations
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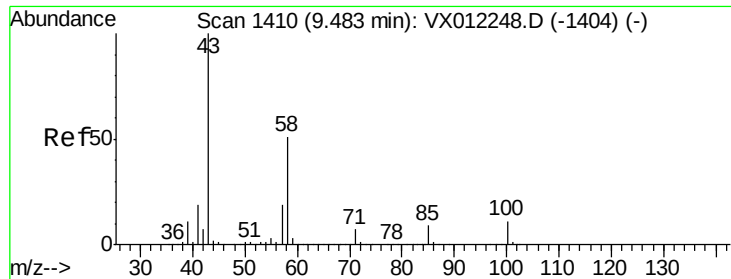
MMDadoda
 9/16/2019 1:13:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.949 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.4	35.2





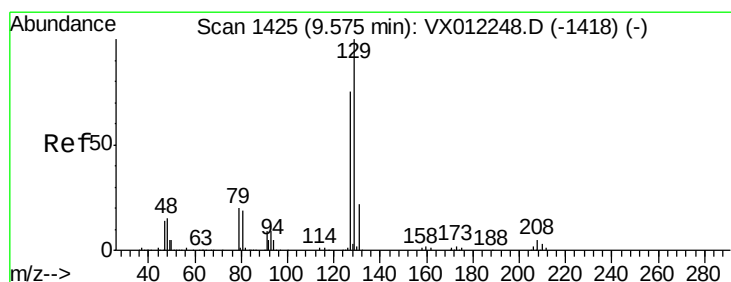
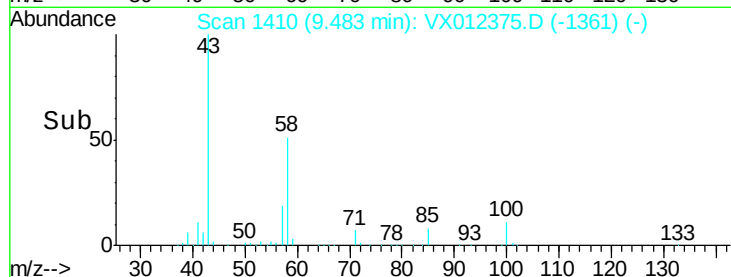
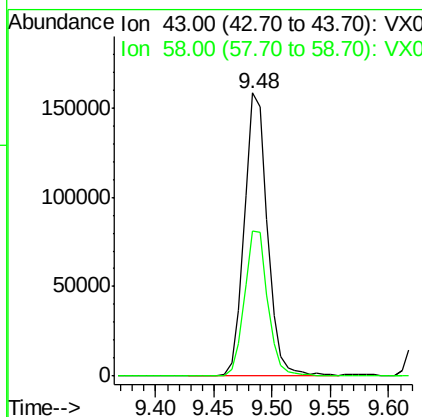
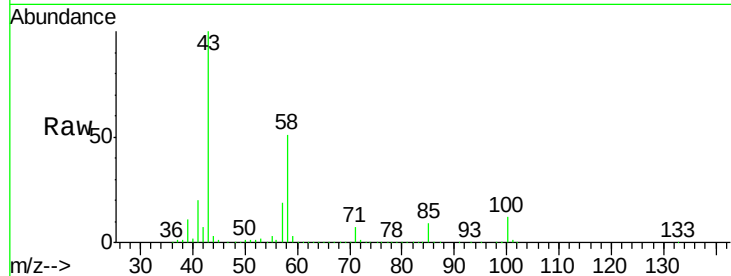
#59
2-Hexanone
Concen: 254.287 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 219652
Ion Ratio Lower Upper
43 100
58 52.3 25.8 77.3

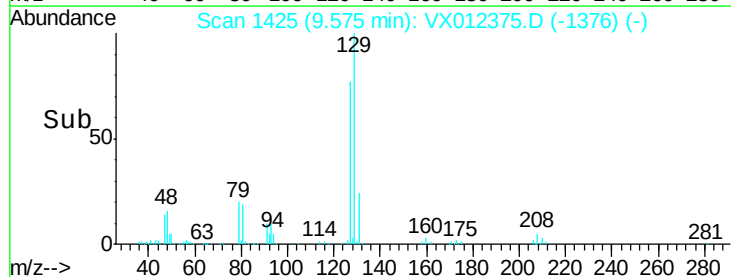
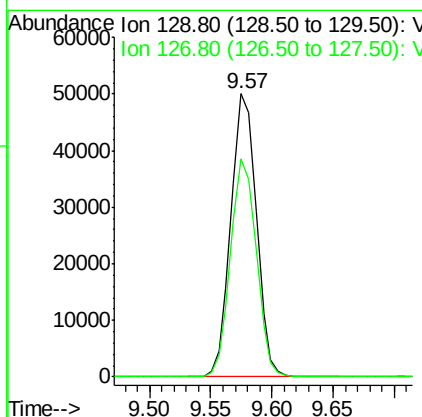
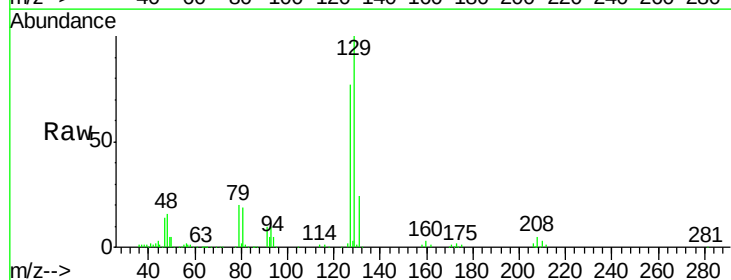
Manual Integrations
APPROVED

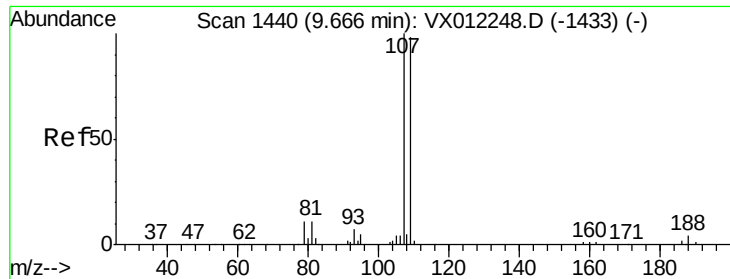
MMDadoda
9/16/2019 1:13:02 AM



#60
Dibromochloromethane
Concen: 48.327 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion: 129 Resp: 72280
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 48.401 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 57722

Ion Ratio Lower Upper

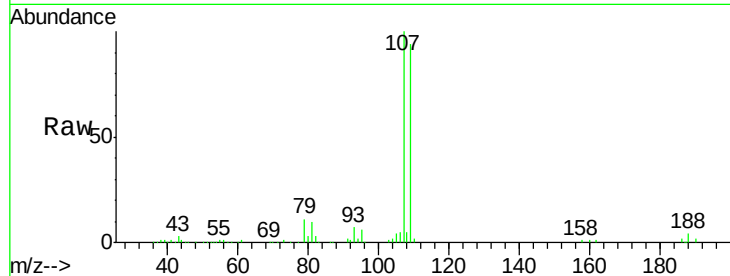
107 100

109 92.9 76.3 114.5

Manual Integrations
APPROVED

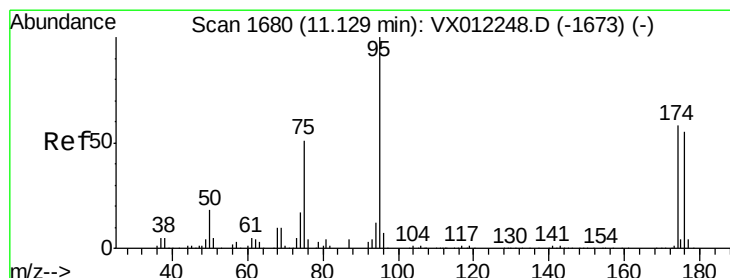
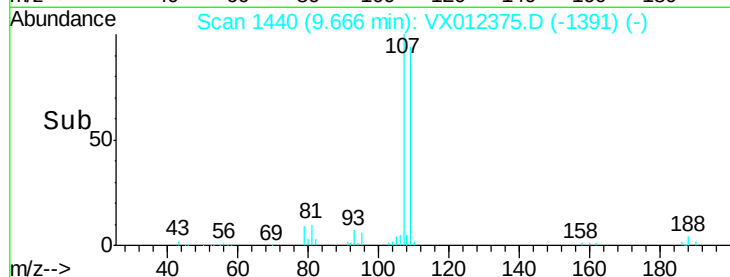
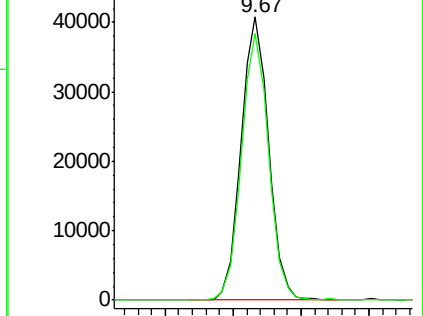
MMDadoda

9/16/2019 1:13:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.389 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

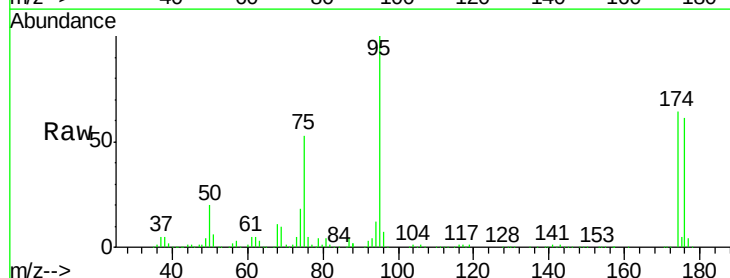
Tgt Ion: 95 Resp: 119769

Ion Ratio Lower Upper

95 100

174 70.0 0.0 127.0

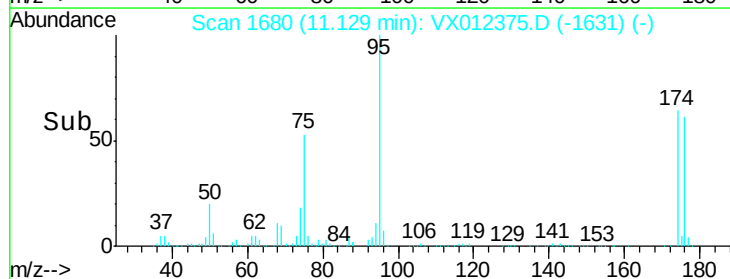
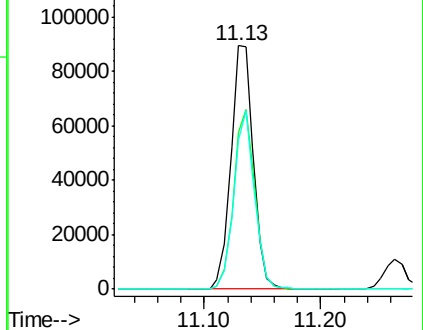
176 67.5 0.0 125.8

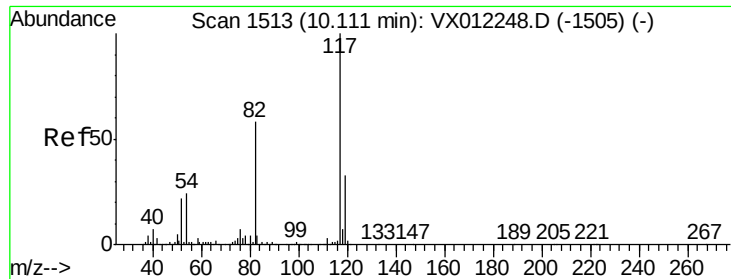


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





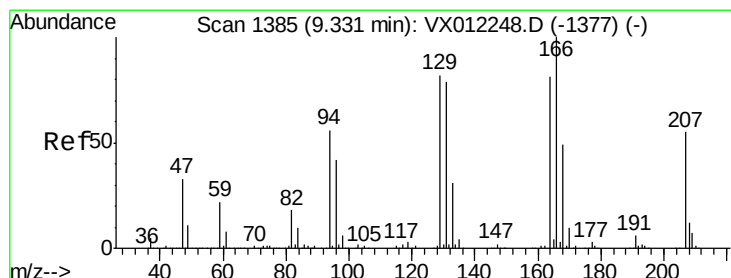
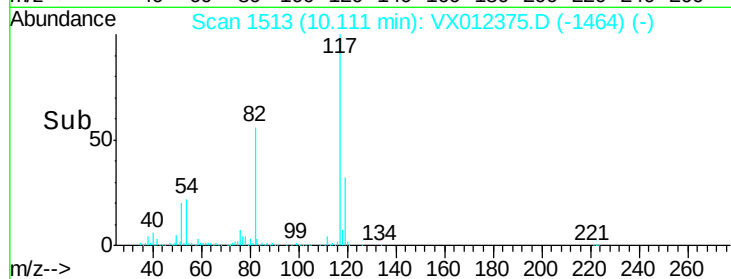
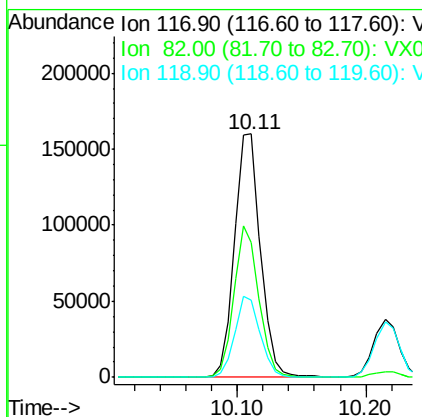
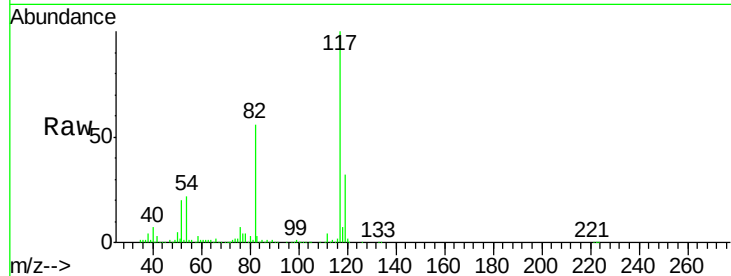
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	225391		
82	55.5	46.4	69.6	
119	31.7	26.6	39.8	

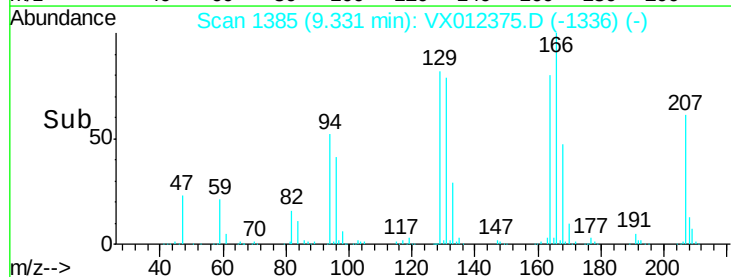
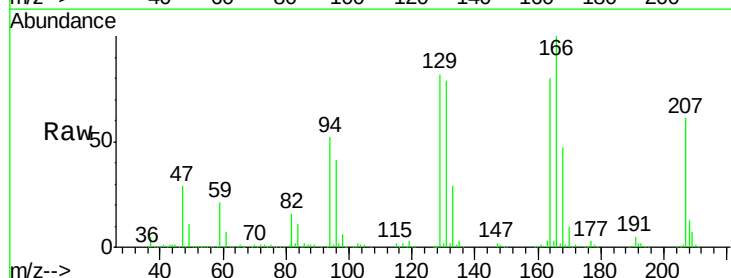
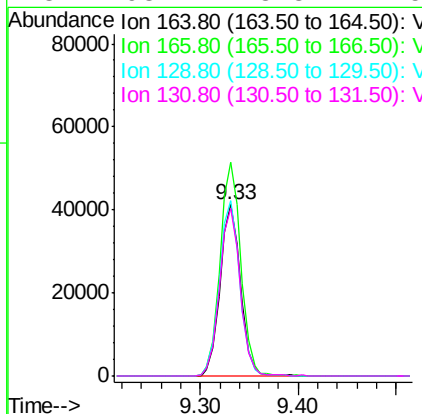
Manual Integrations
APPROVED

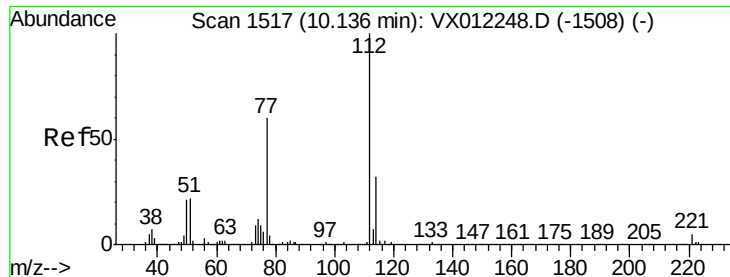
MMDadoda
9/16/2019 1:13:02 AM



#64
Tetrachloroethene
Concen: 50.044 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59653		
166	124.7	99.4	149.0	
129	102.1	81.8	122.8	
131	98.1	78.3	117.5	





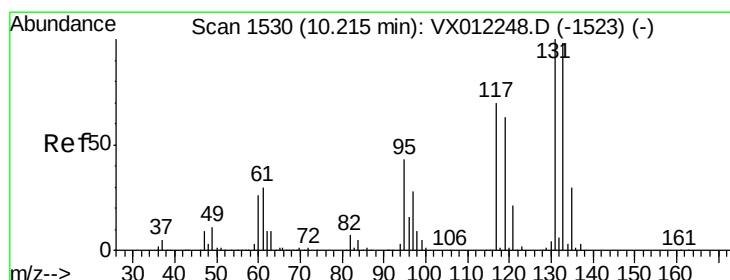
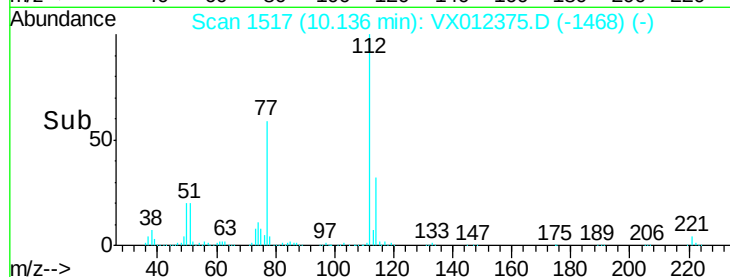
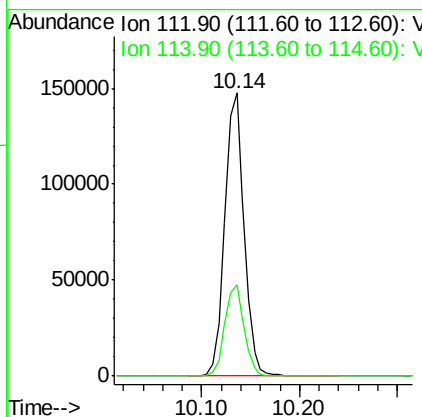
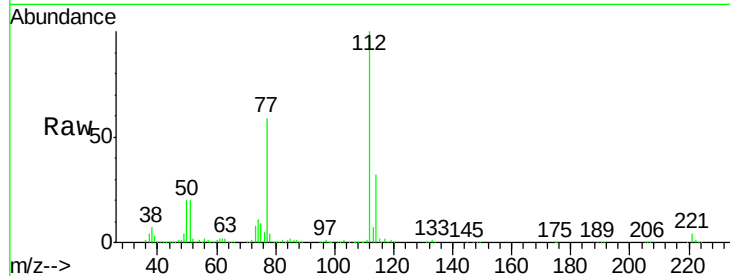
#65
Chlorobenzene
Concen: 49.082 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	202135		
114	32.3	25.4	38.0	

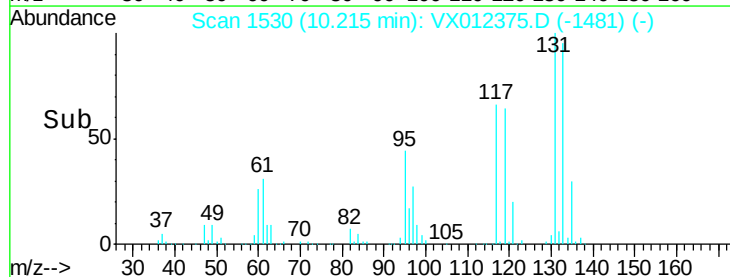
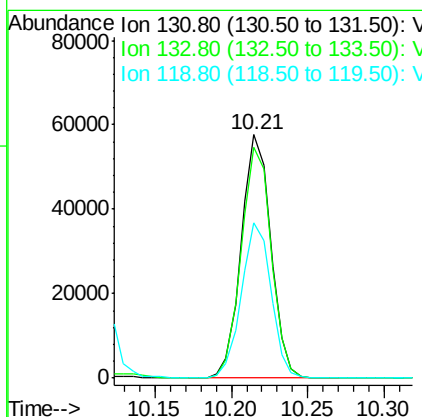
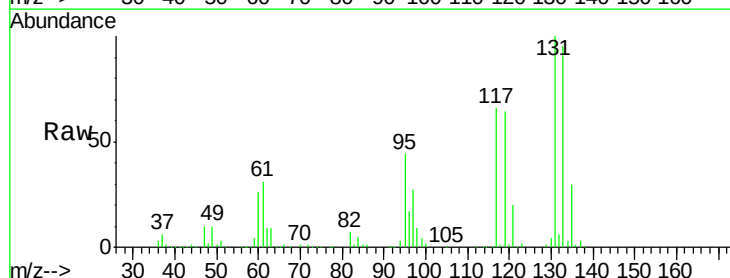
Manual Integrations
APPROVED

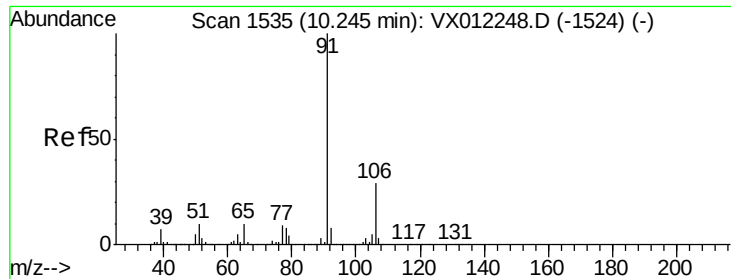
MMDadoda
9/16/2019 1:13:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.975 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	77584		
133	96.6	48.0	144.2	
119	63.7	31.6	95.0	





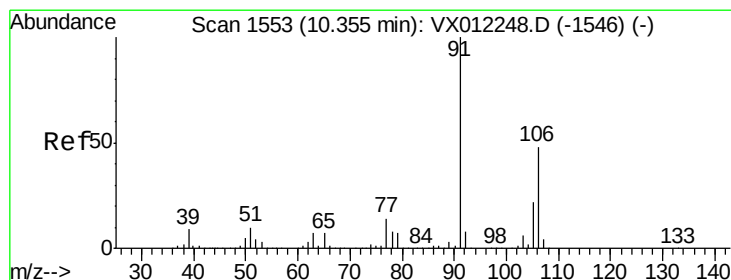
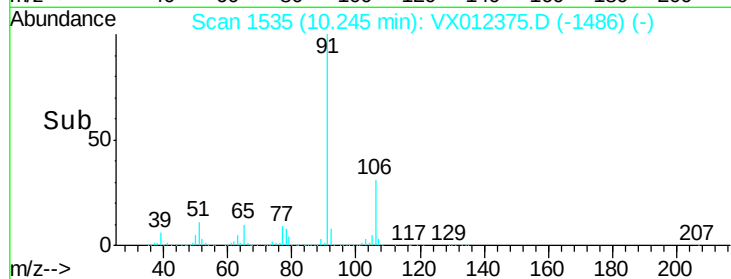
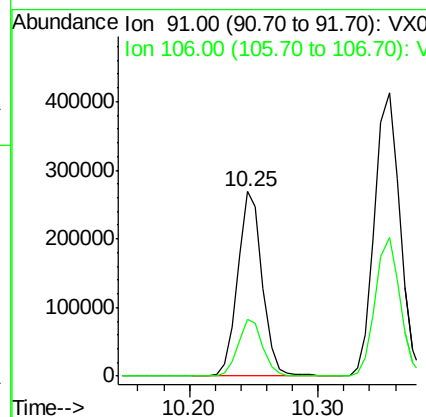
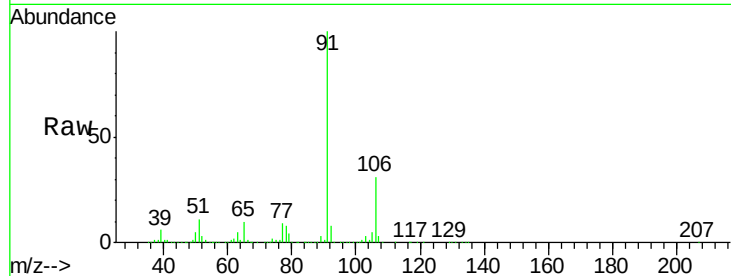
#67
Ethyl Benzene
Concen: 49.058 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 359332
Ion Ratio Lower Upper
91 100
106 30.5 23.1 34.7

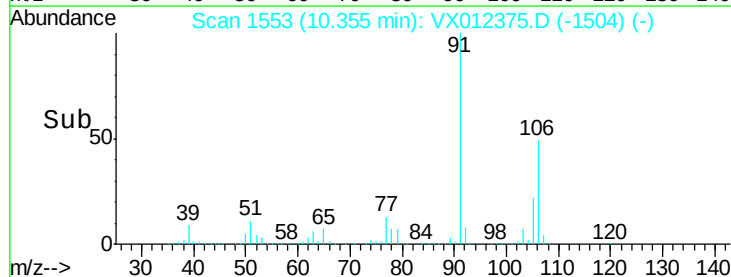
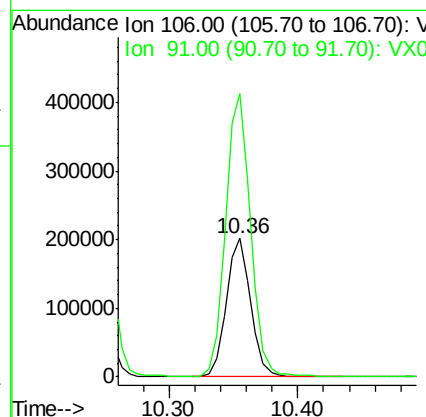
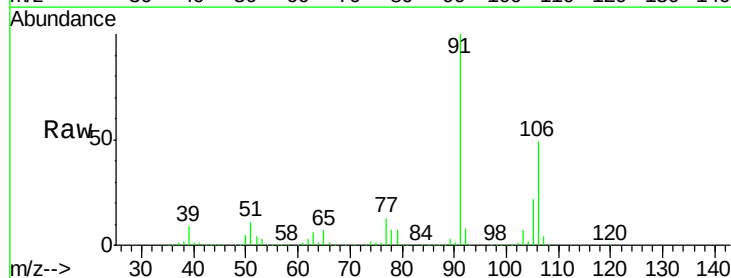
Manual Integrations
APPROVED

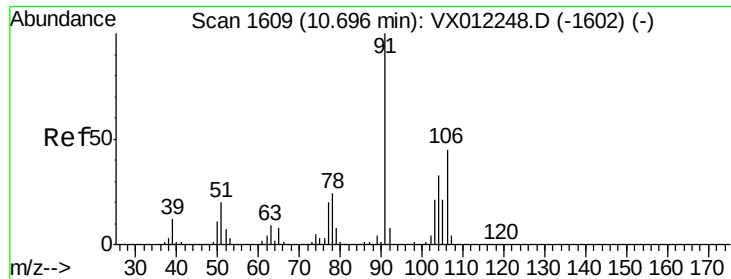
MMDadoda
9/16/2019 1:13:02 AM



#68
m/p-Xylenes
Concen: 99.713 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion: 106 Resp: 268858
Ion Ratio Lower Upper
106 100
91 209.1 167.0 250.6





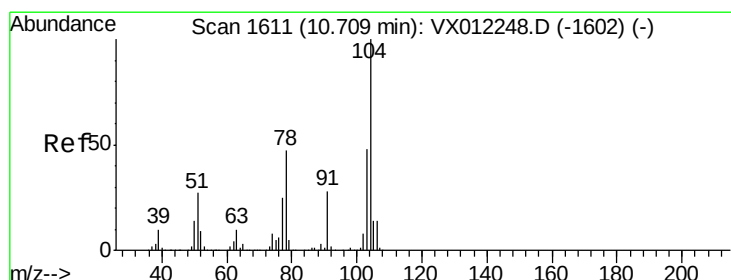
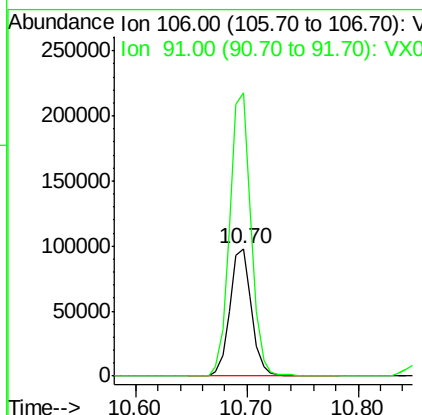
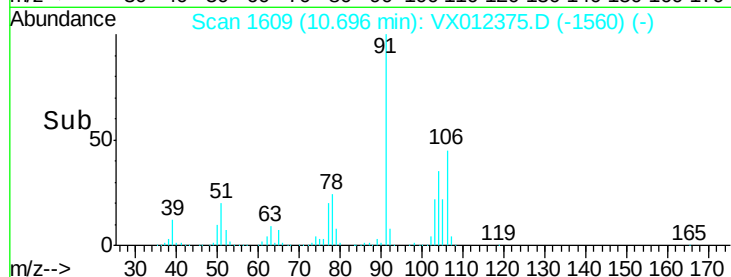
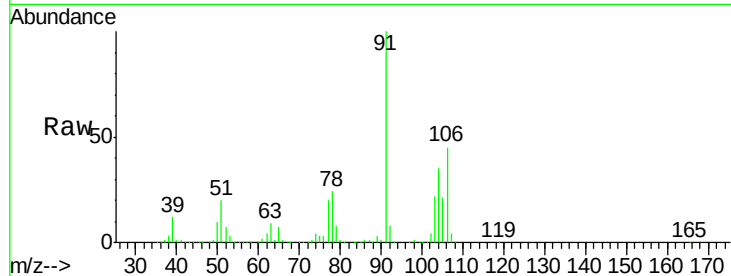
#69
o-Xylene
Concen: 49.407 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	220.4	110.5	130500		331.4

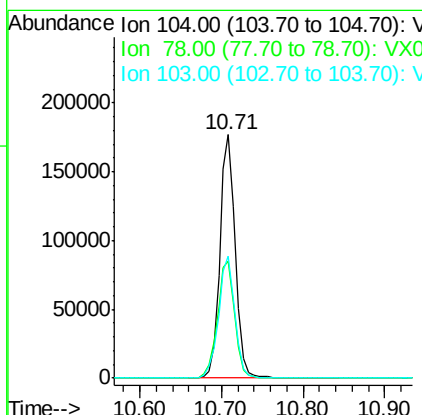
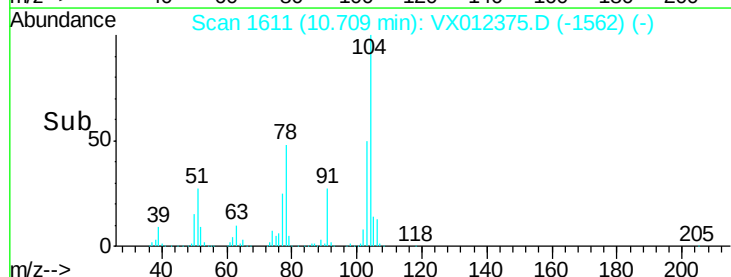
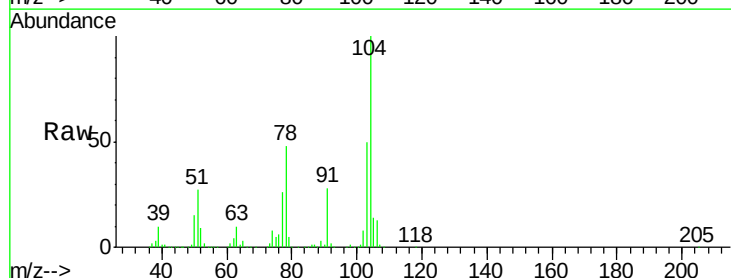
Manual Integrations
APPROVED

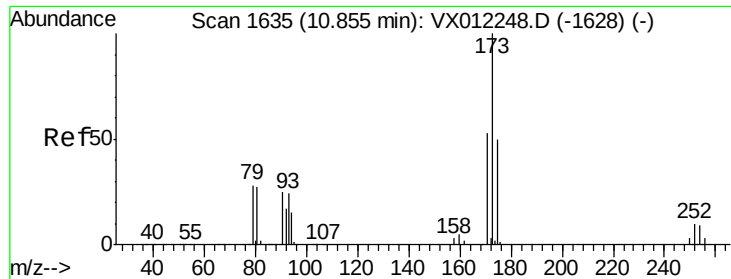
MMDadoda
9/16/2019 1:13:02 AM



#70
Styrene
Concen: 49.672 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	54.5	44.2	232687		66.2
103	53.7	42.5			63.7





#71

Bromoform

Concen: 48.369 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

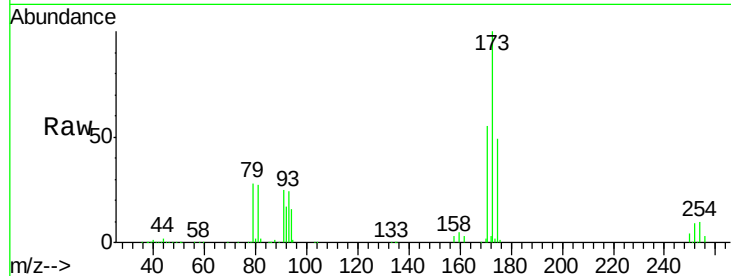
ClientSampleId :

VSTDCCC050

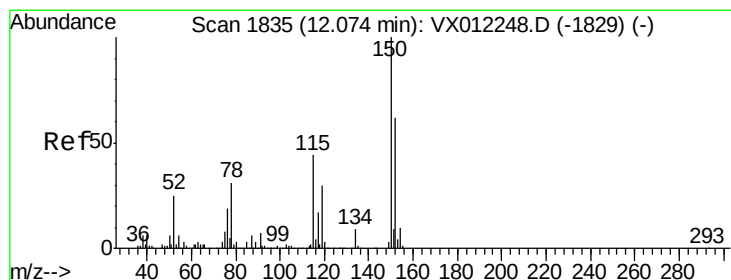
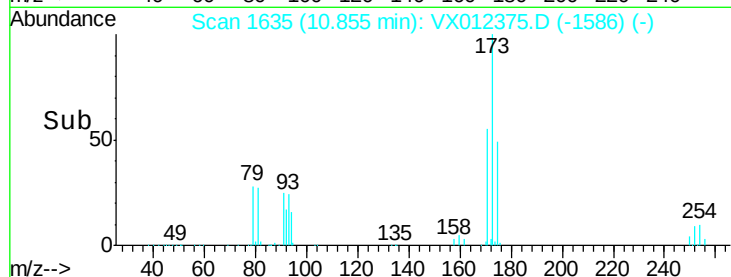
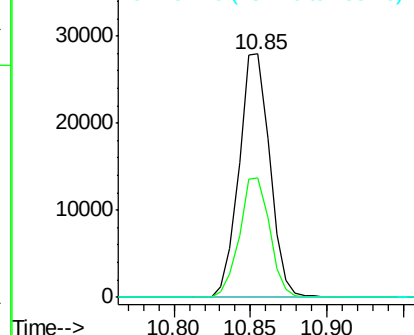
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.5	73.5
254	0.0	0.2	0.4

Manual Integrations
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9/16/2019 1:13:02 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

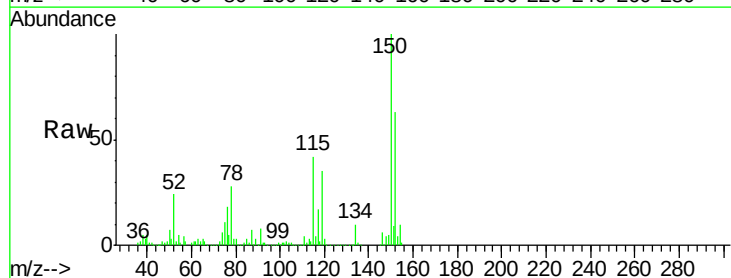
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

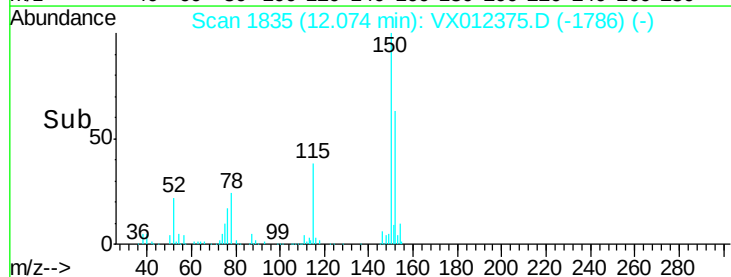
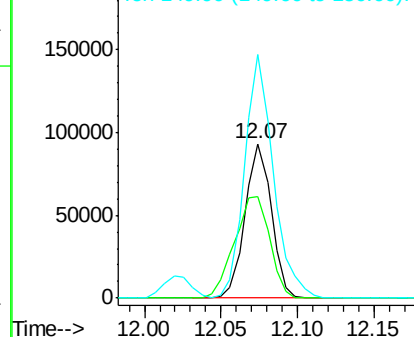
Lab File: VX012375.D

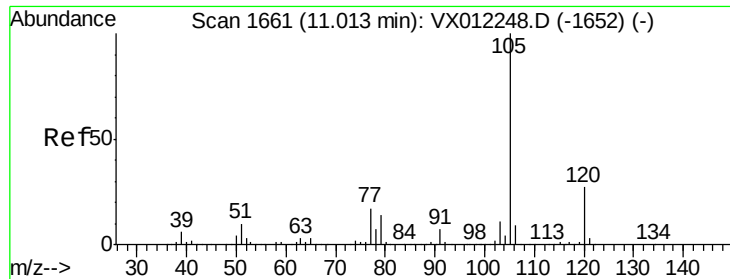
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	88.3	45.5	136.4
150	172.7	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.091 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 358571

Ion Ratio Lower Upper

105 100

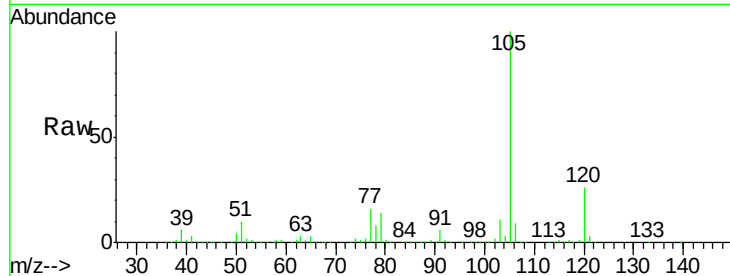
120 26.4 13.2 39.5

Manual Integrations

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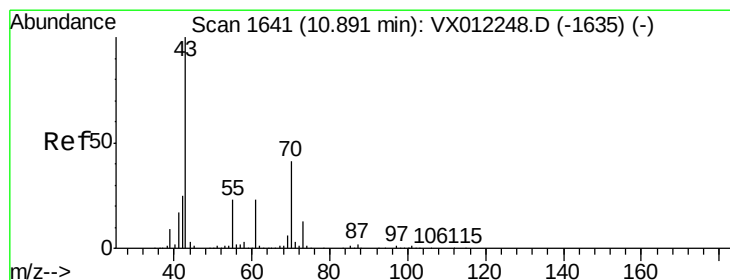
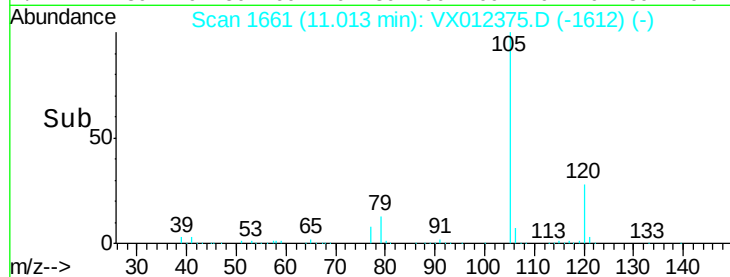
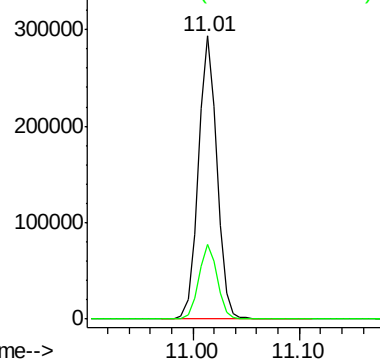
MMDadoda

9/16/2019 1:13:02 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.416 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Tgt Ion: 43 Resp: 98633

Ion Ratio Lower Upper

43 100

70 41.5 32.9 49.3

55 24.6 19.1 28.7

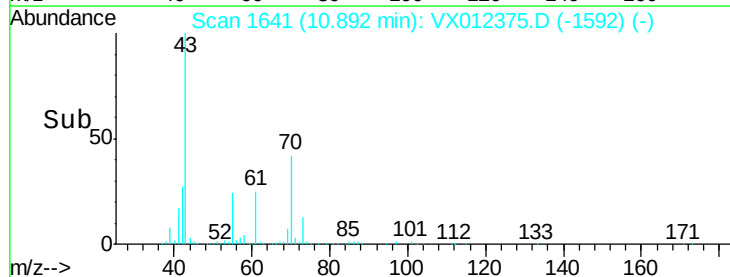
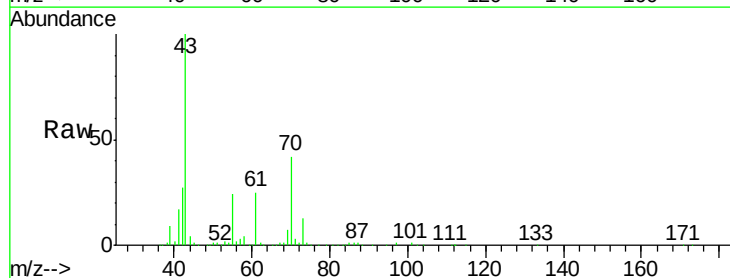
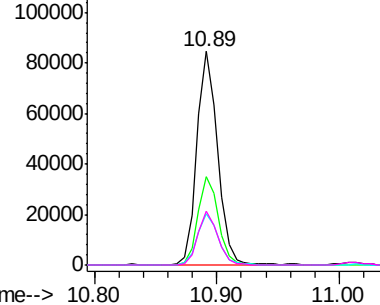
61 24.1 18.6 28.0

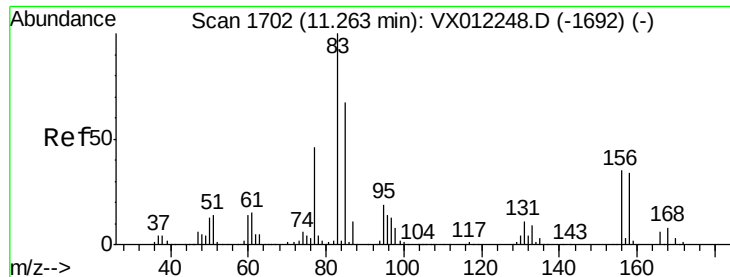
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.439 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

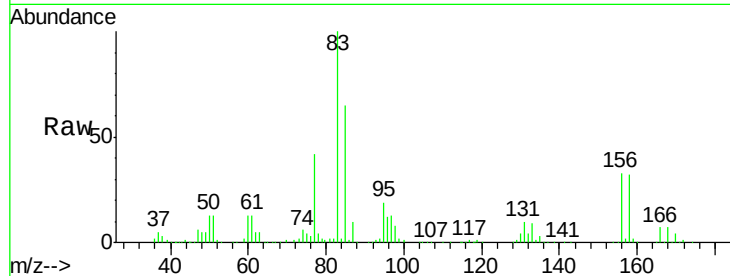
ClientSampleId :

VSTDCCC050

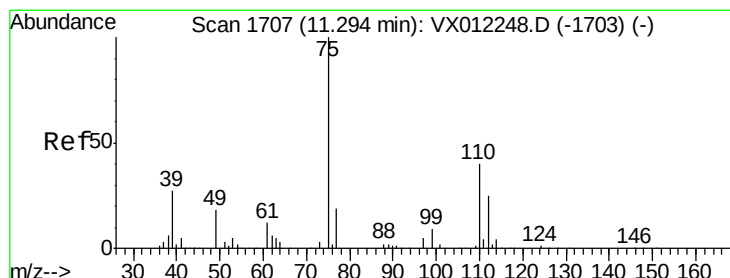
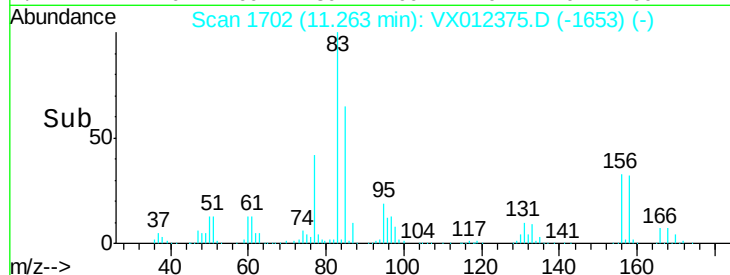
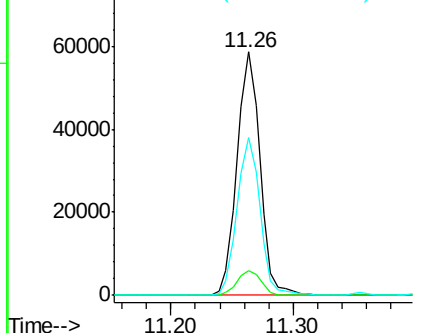
Tot Ion:	83	Resp:	75986
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	64.8	32.8	98.4

Manual Integrations
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9/16/2019 1:13:02 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 47.221 ug/l m

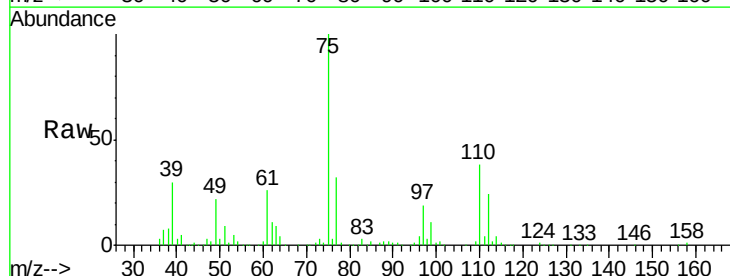
RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

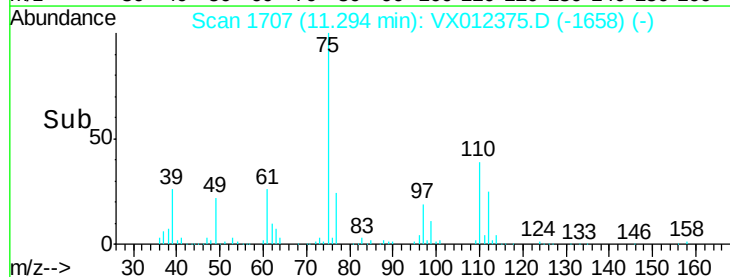
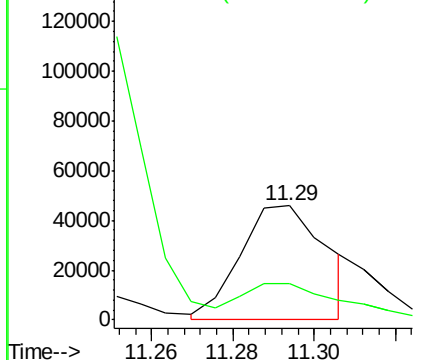
Lab File: VX012375.D

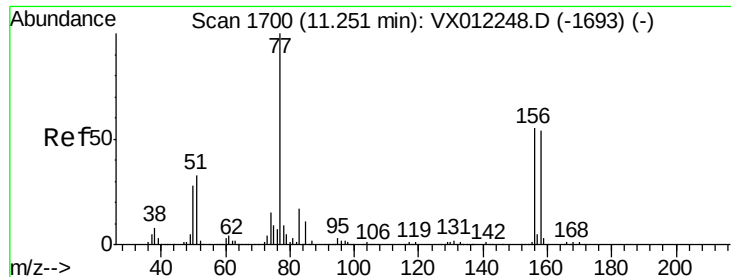
Acq: 13 Sep 2019 09:47

Tgt Ion:	75	Resp:	67306
Ion	Ratio	Lower	Upper
75	100		
77	37.3	19.7	59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.165 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 84362

Ion Ratio Lower Upper

156 100

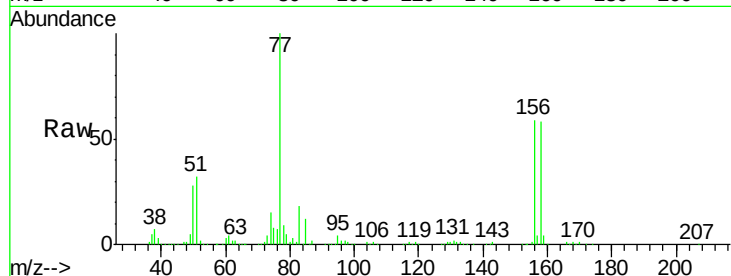
77 176.0 92.2 276.6

158 97.6 48.8 146.3

Manual Integrations
APPROVED

MMDadoda

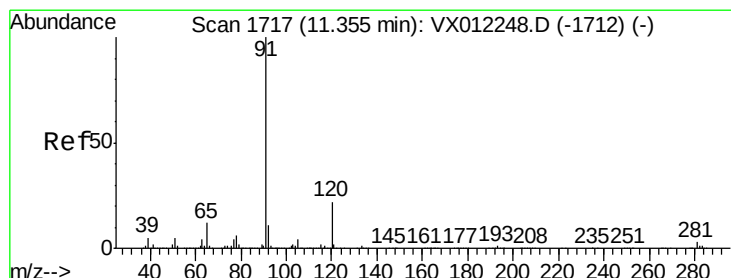
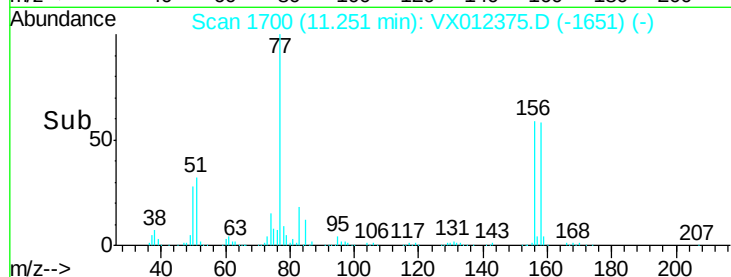
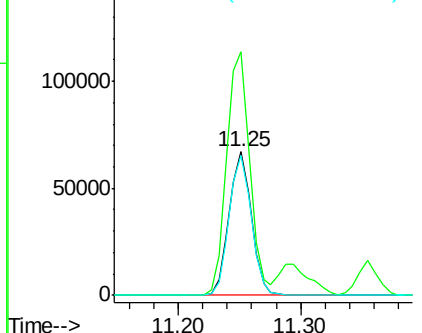
9/16/2019 1:13:02 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.008 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012375.D

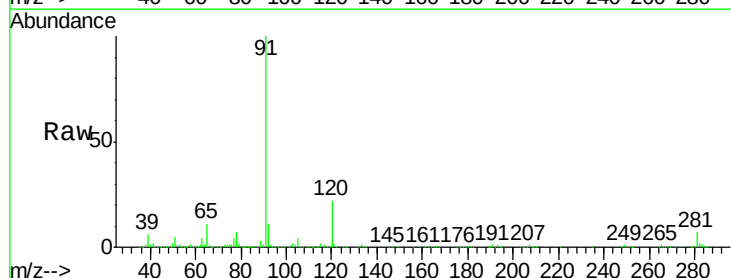
Acq: 13 Sep 2019 09:47

Tgt Ion: 91 Resp: 432275

Ion Ratio Lower Upper

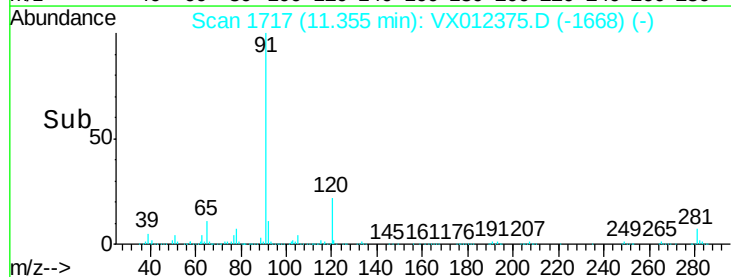
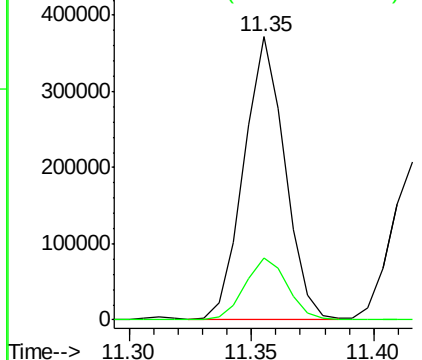
91 100

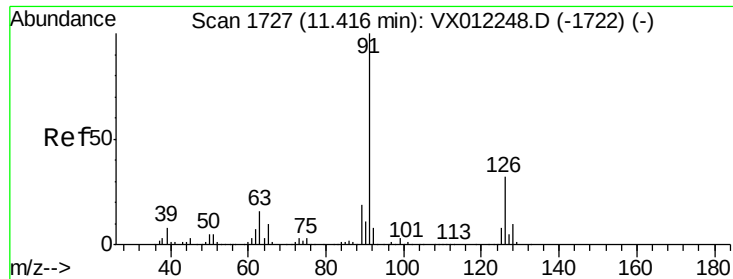
120 22.8 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.388 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 258967

Ion Ratio Lower Upper

91 100

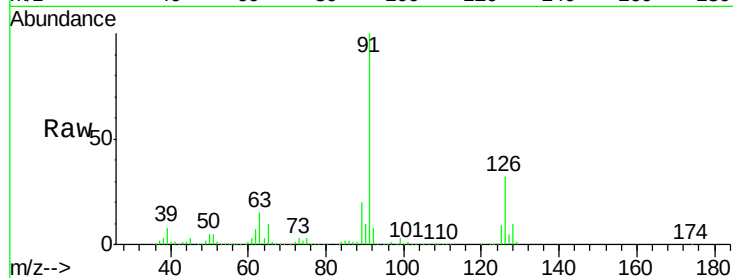
126 32.8 15.9 47.7

Manual Integrations

APPROVED

MMDadoda

9/16/2019 1:13:02 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

400000

300000

200000

100000

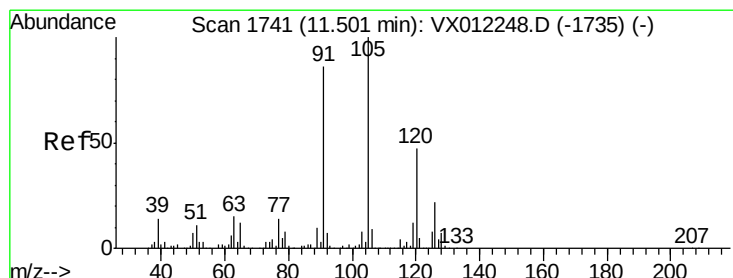
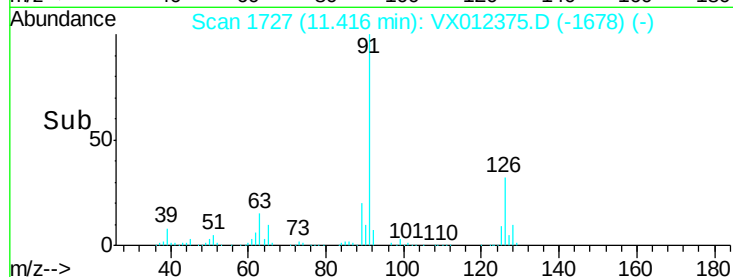
0

11.35

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.000 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012375.D

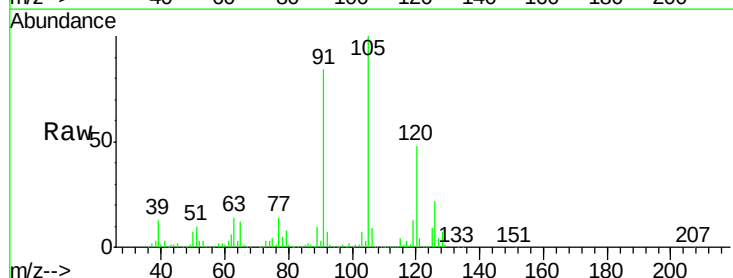
Acq: 13 Sep 2019 09:47

Tgt Ion:105 Resp: 321866

Ion Ratio Lower Upper

105 100

120 47.6 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

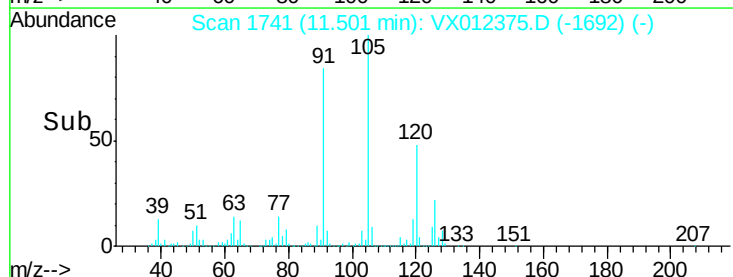
50000

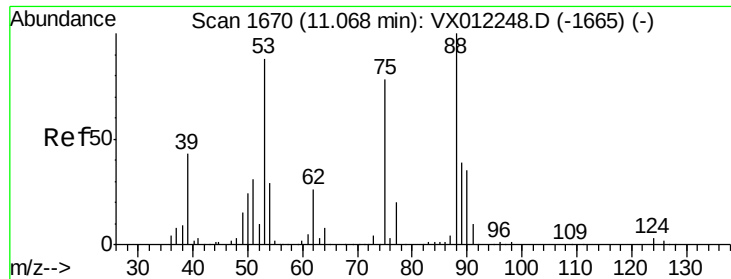
0

11.50

11.60

Time-->





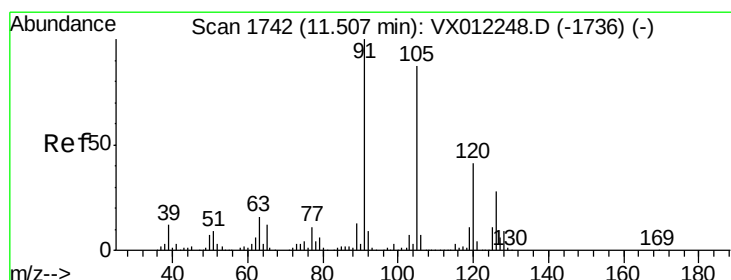
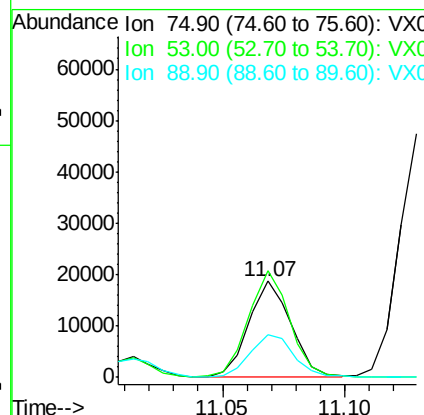
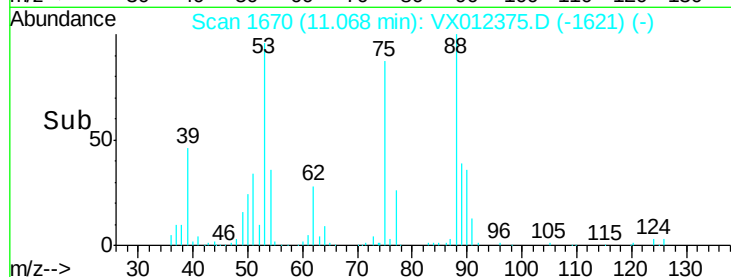
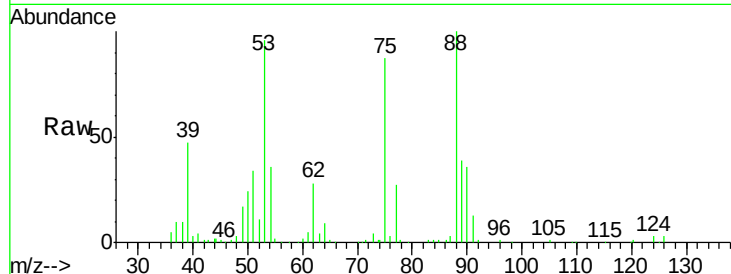
#81
trans-1,4-Dichloro-2-butene
Concen: 46.423 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.3	88.1	132.1
89	47.4	43.5	65.3

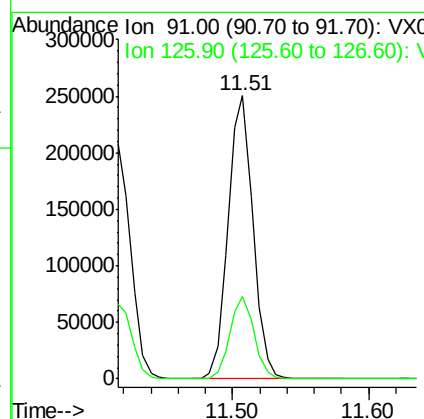
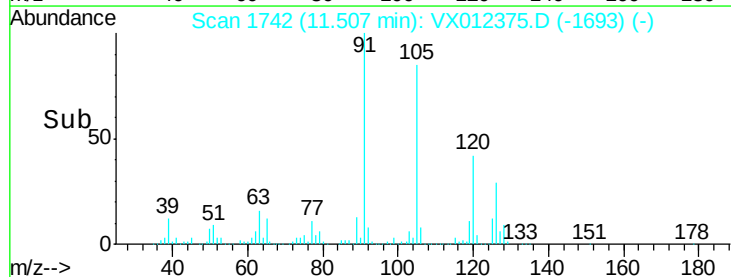
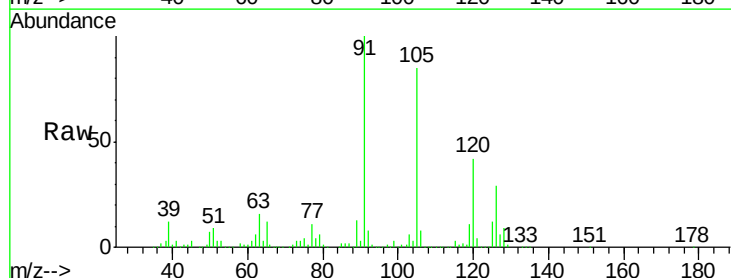
Manual Integrations
APPROVED

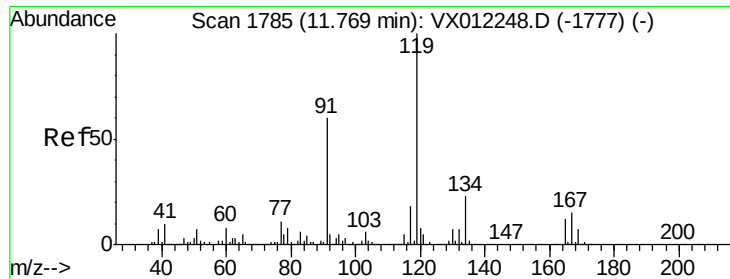
MMDadoda
9/16/2019 1:13:02 AM



#82
4-Chlorotoluene
Concen: 48.206 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.0	42.0





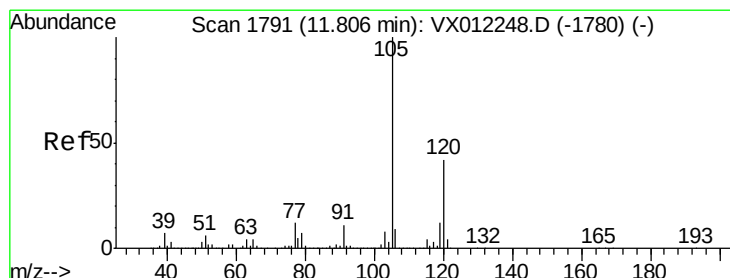
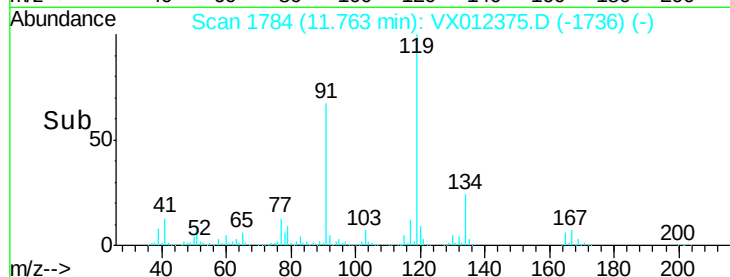
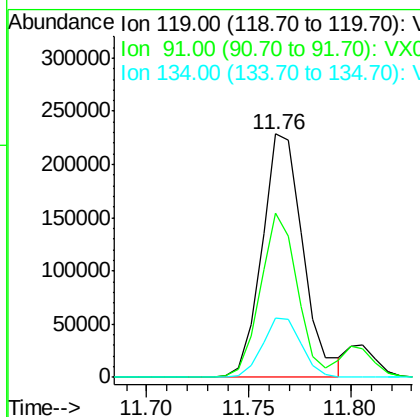
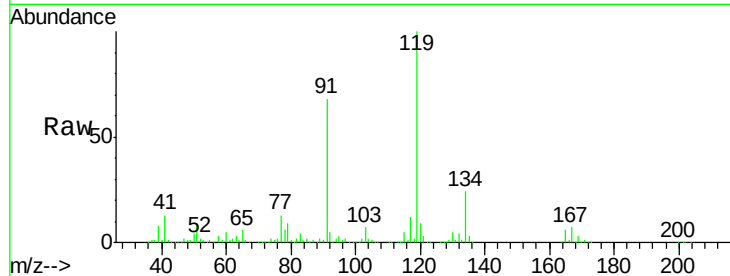
#83
 tert-Butylbenzene
 Concen: 50.188 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.9	92.8
134	23.2	11.2	33.6

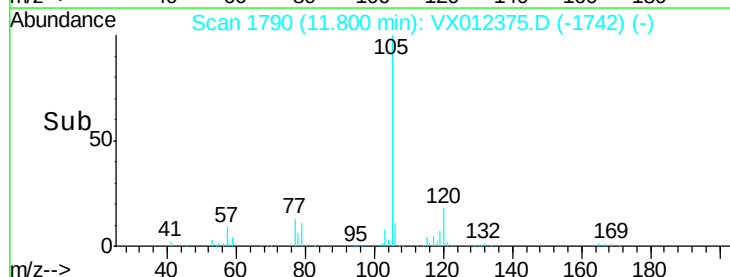
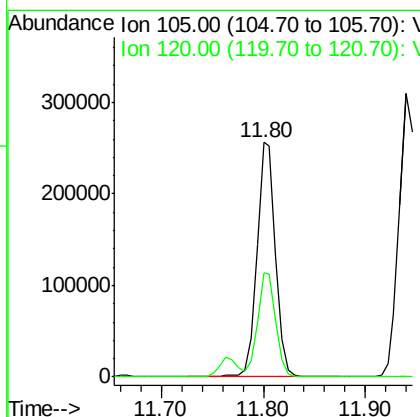
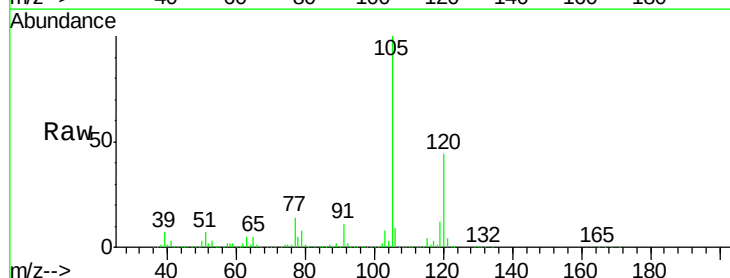
Manual Integrations
 APPROVED

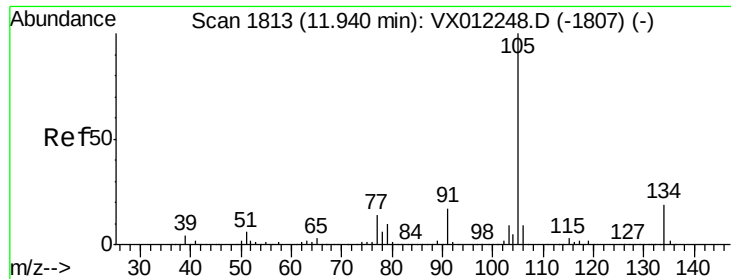
MMDadoda
 9/16/2019 1:13:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.129 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.3	63.9





#85

sec-Butylbenzene

Concen: 49.225 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 374621

Ion Ratio Lower Upper

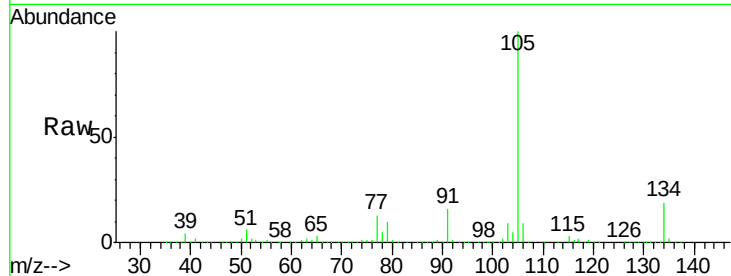
105 100

134 20.0 9.9 29.7

Manual Integrations
APPROVED

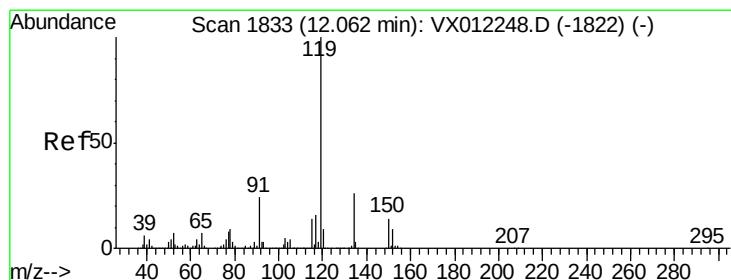
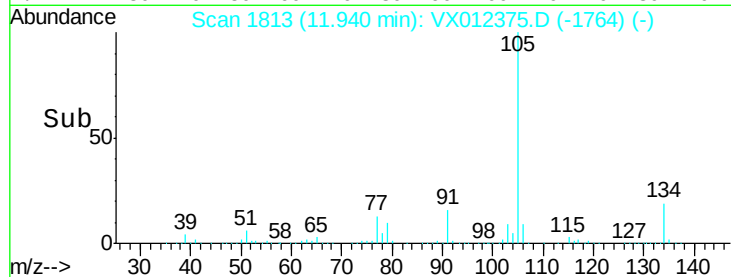
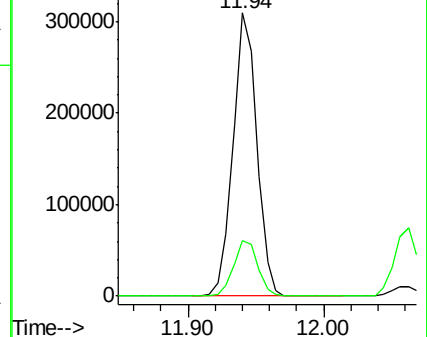
MMDadoda

9/16/2019 1:13:02 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.326 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

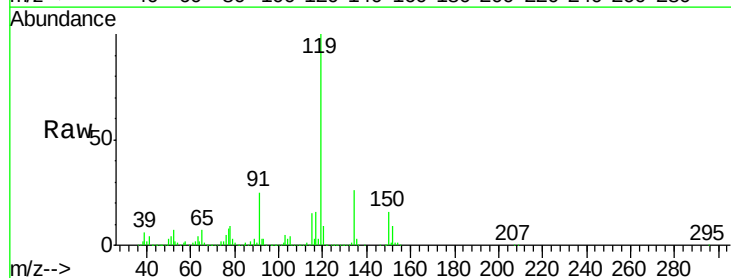
Tgt Ion:119 Resp: 346849

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

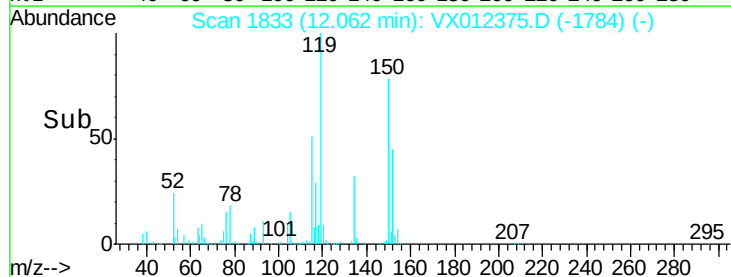
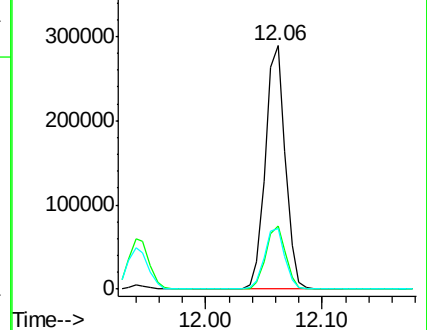
91 25.7 13.1 39.1

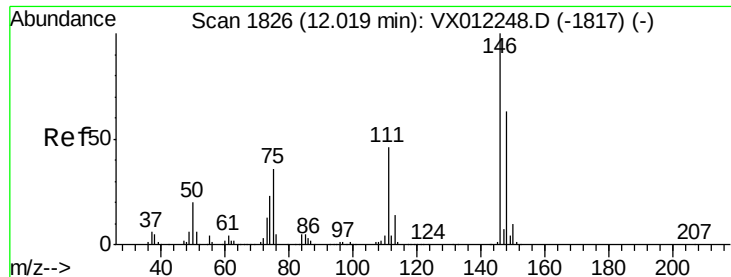


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





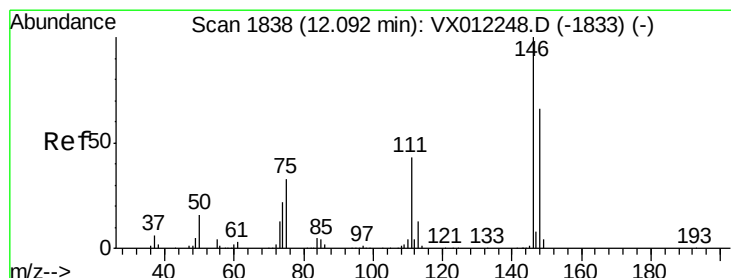
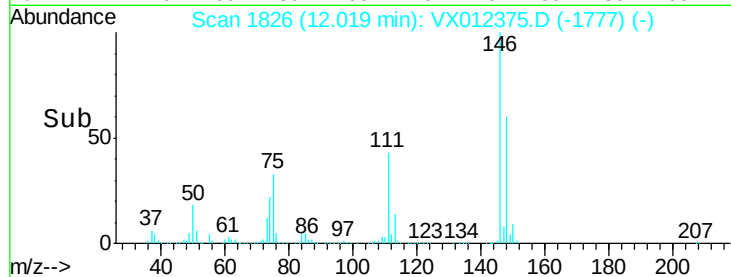
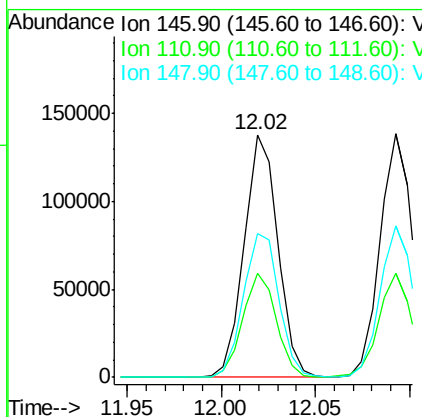
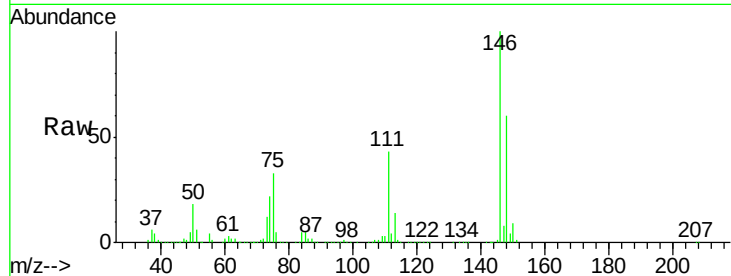
#87
 1,3-Dichlorobenzene
 Concen: 49.878 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.3	66.8
148	62.7	31.5	94.5

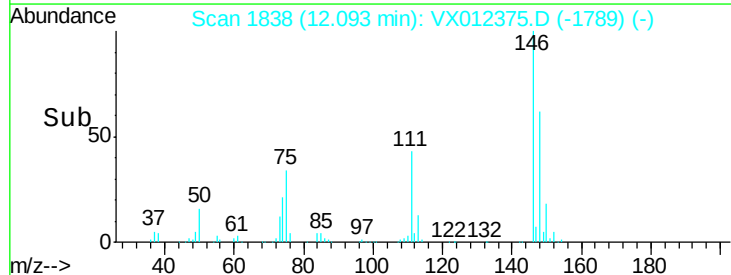
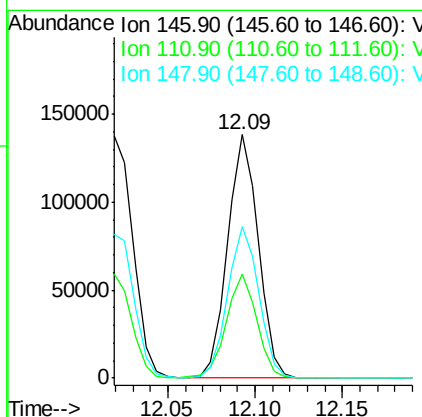
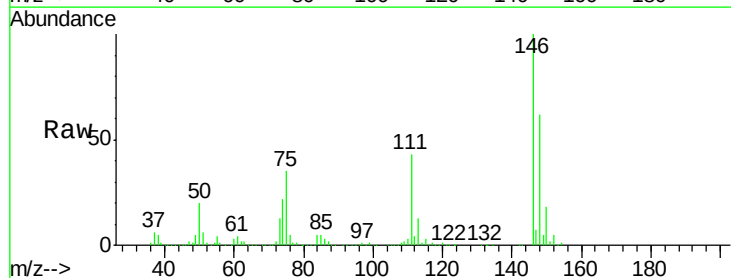
Manual Integrations
 APPROVED

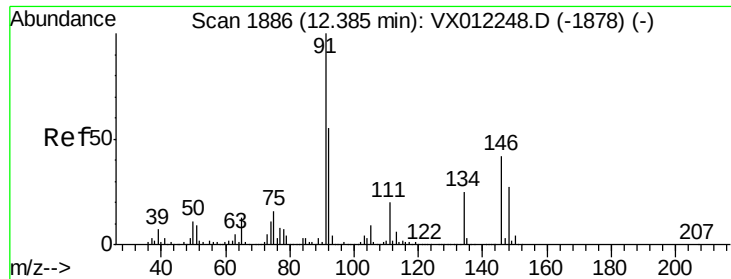
MMDadoda
 9/16/2019 1:13:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.671 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	64.8
148	63.2	32.4	97.2





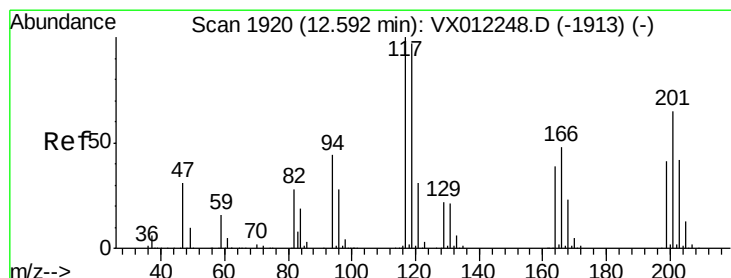
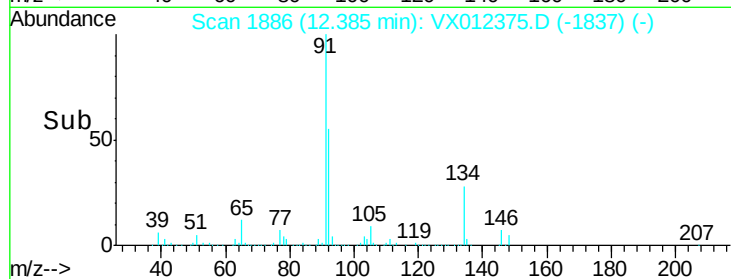
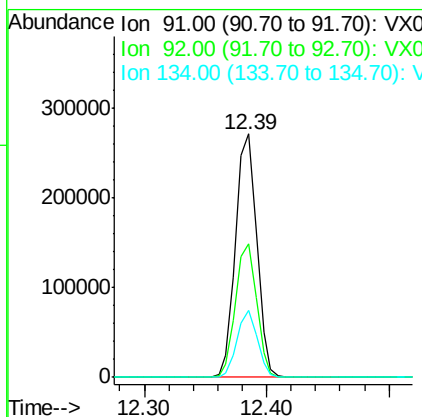
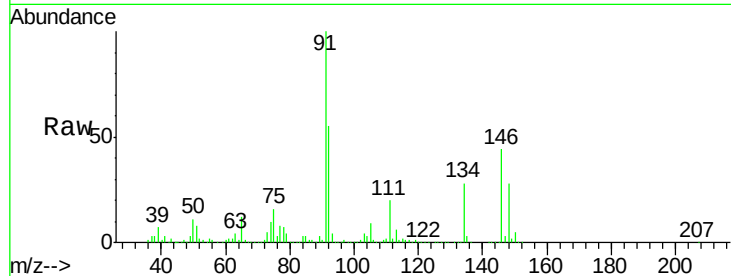
#89
n-Butylbenzene
Concen: 46.985 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.8	27.6	82.7	
134	26.4	12.5	37.5	

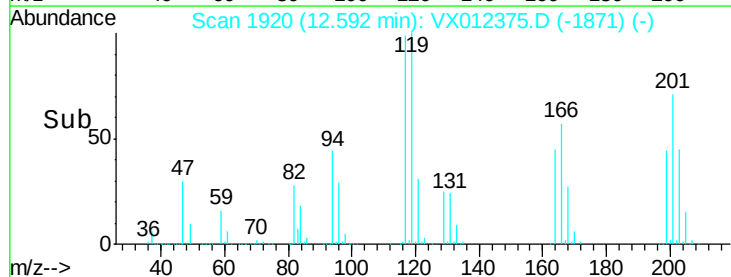
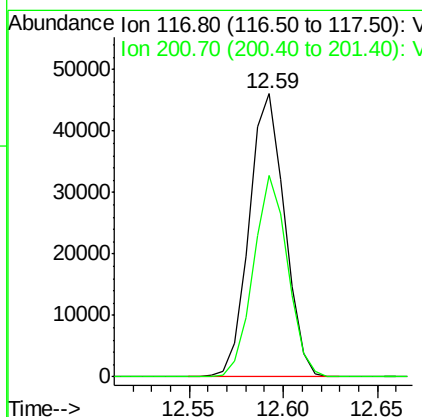
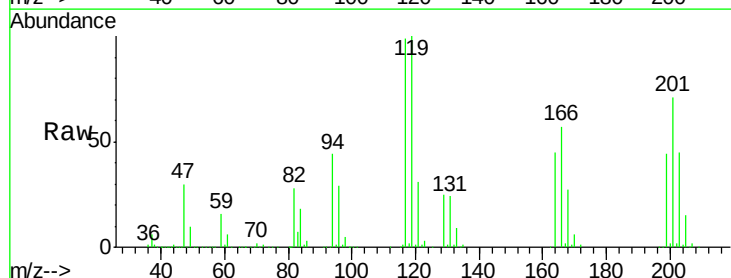
Manual Integrations
APPROVED

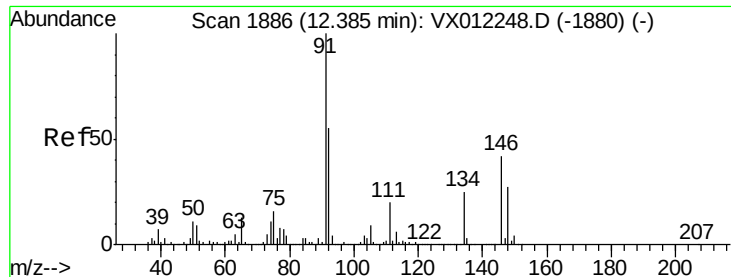
MMDadoda
9/16/2019 1:13:02 AM



#90
Hexachloroethane
Concen: 46.381 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012375.D
Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	68.9	32.2	96.6	





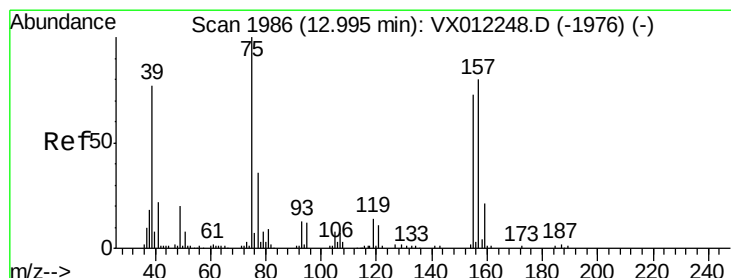
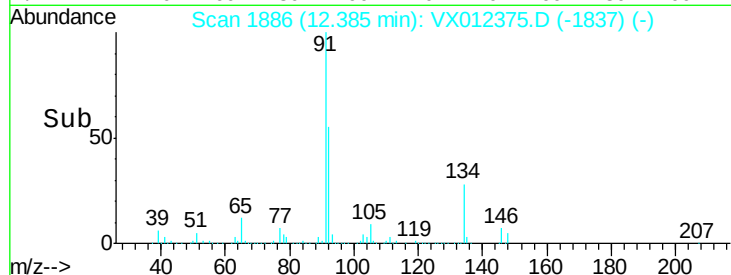
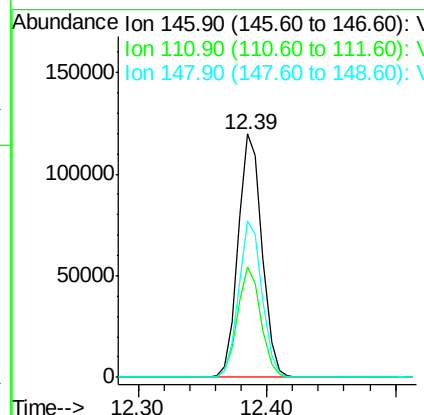
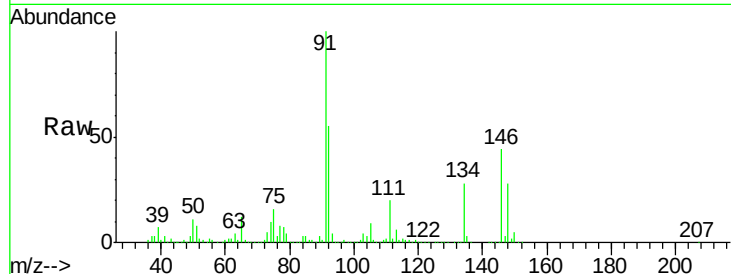
#91
 1,2-Dichlorobenzene
 Concen: 48.772 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	23.2	69.6
148	63.2	32.4	97.0

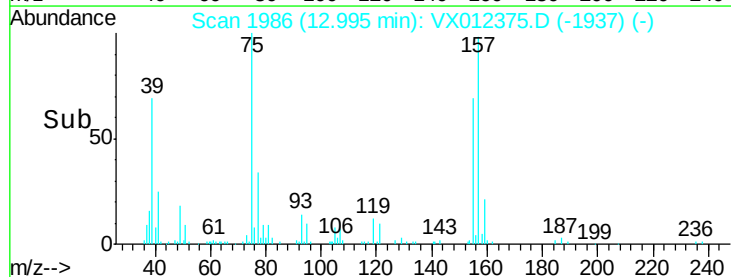
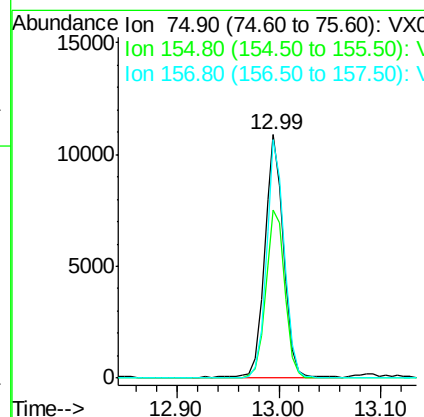
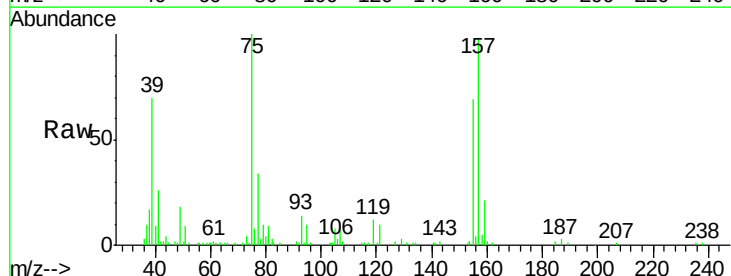
Manual Integrations
 APPROVED

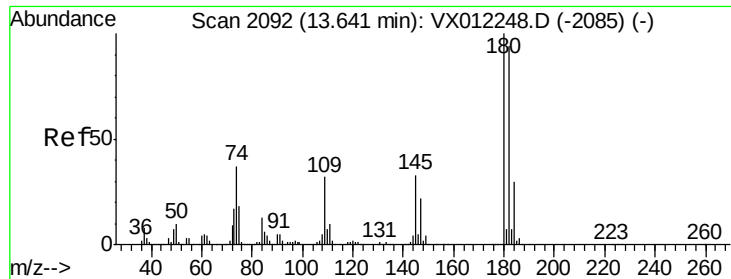
MMDadoda
 9/16/2019 1:13:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.479 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.7	35.3	105.7
157	91.4	43.2	129.6





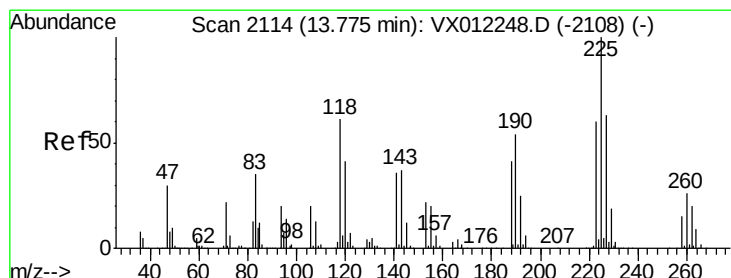
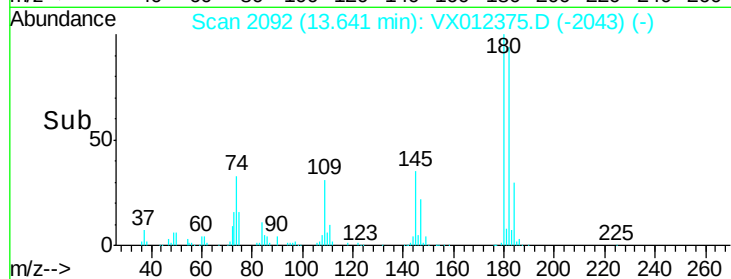
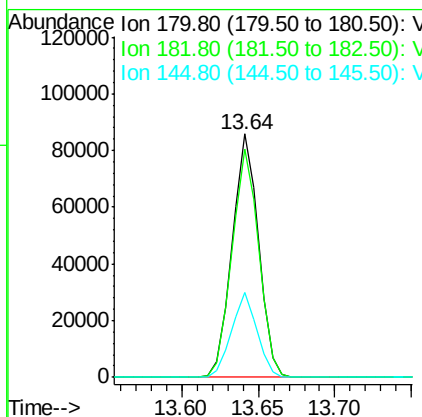
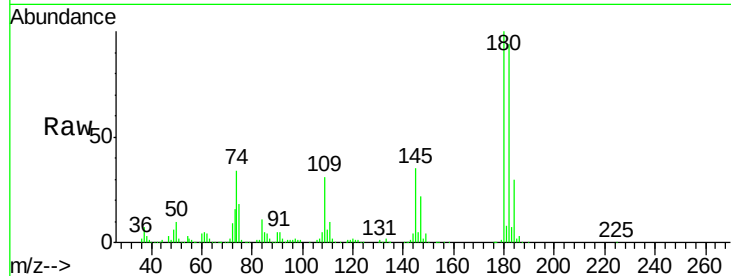
#93
 1,2,4-Trichlorobenzene
 Concen: 46.886 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102606		
182	95.3	46.9	140.8	
145	33.8	17.1	51.2	

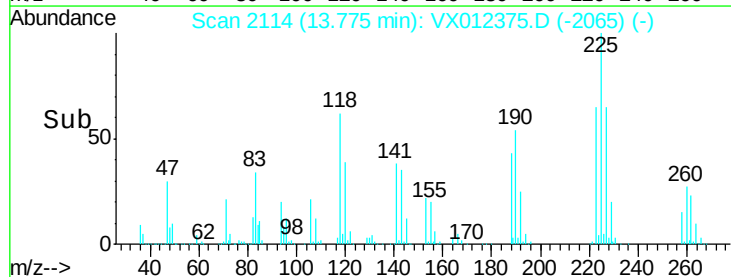
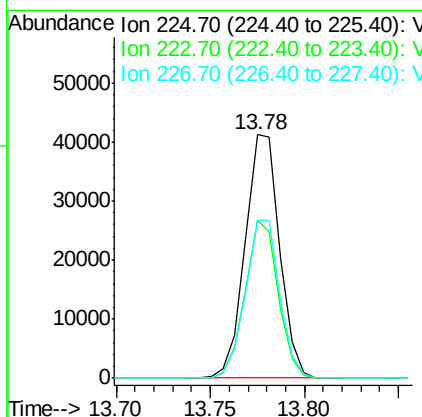
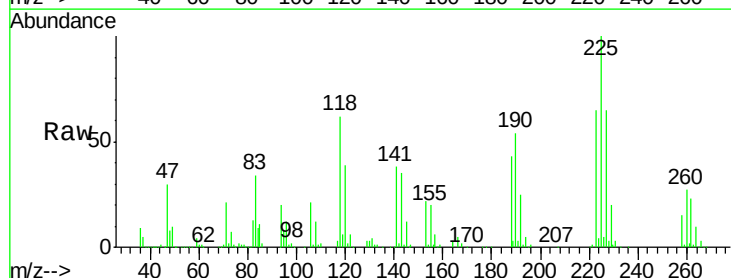
Manual Integrations
 APPROVED

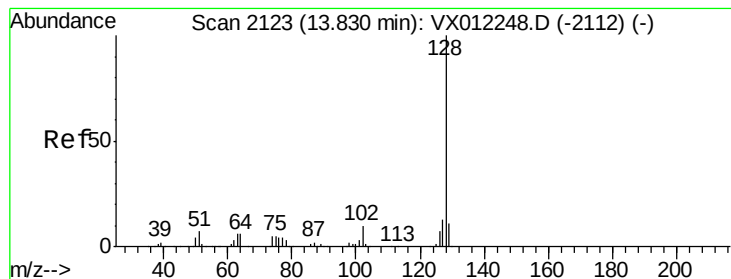
MMDadoda
 9/16/2019 1:13:02 AM



#94
 Hexachlorobutadiene
 Concen: 48.010 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX012375.D
 Acq: 13 Sep 2019 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52268		
223	62.0	32.1	96.5	
227	64.3	32.5	97.5	





#95

Naphthalene

Concen: 44.663 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Instrument :

MSVOA_X

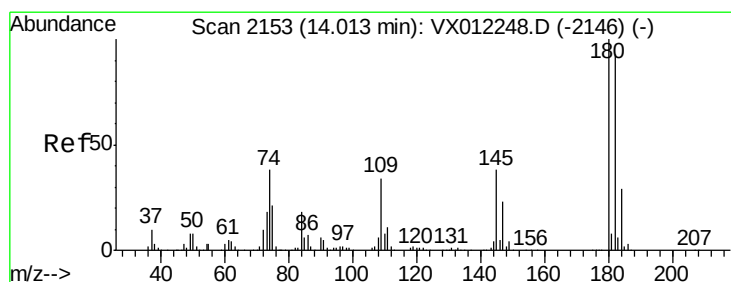
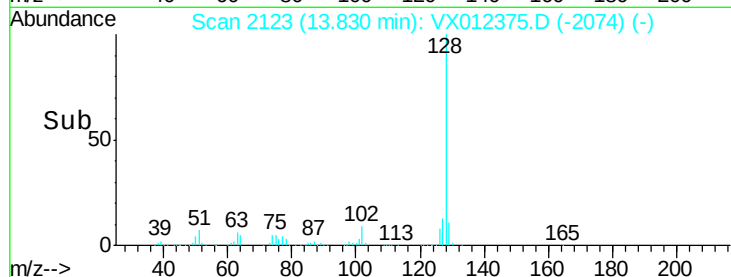
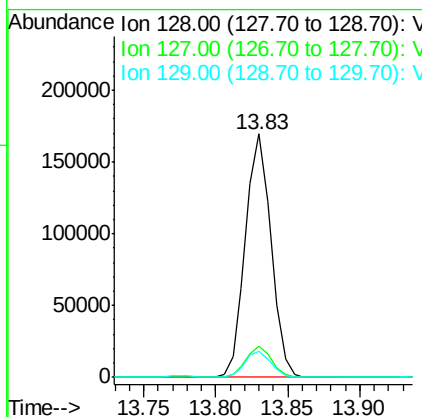
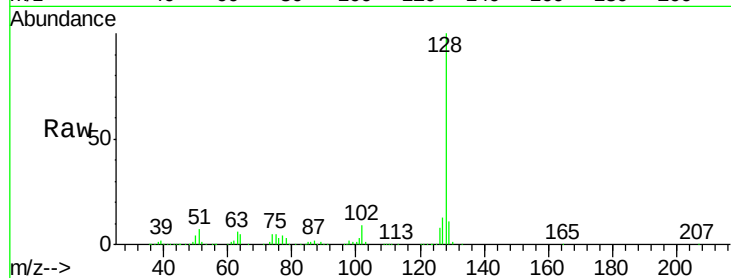
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	209753
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/16/2019 1:13:02 AM



#96

1,2,3-Trichlorobenzene

Concen: 45.670 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012375.D

Acq: 13 Sep 2019 09:47

Tgt Ion:	180	Resp:	88431
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.0	141.0
145	36.3	18.6	55.8

