

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
 Data File : VX011571.D
 Acq On : 16 Aug 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:29:44 AM

Quant Time: Aug 19 01:23:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	412297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	551256	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	498347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	276539	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	185822	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	5.49	113	178389	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	8.71	98	577689	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	11.13	95	242314	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	237945	58.713	ug/l	99
3) Chloromethane	1.32	50	195997	46.564	ug/l	98
4) Vinyl Chloride	1.40	62	197653	51.982	ug/l	97
5) Bromomethane	1.63	94	94302	55.350	ug/l	98
6) Chloroethane	1.71	64	95360	52.990	ug/l	100
7) Trichlorofluoromethane	1.92	101	281864	53.519	ug/l	97
8) Diethyl Ether	2.18	74	93748	51.891	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	191203	52.562	ug/l	99
10) Methyl Iodide	2.50	142	286407	55.269	ug/l	99
11) Tert butyl alcohol	3.04	59	230125	245.331	ug/l	98
12) 1,1-Dichloroethene	2.36	96	178378	50.741	ug/l	100
13) Acrolein	2.29	56	90327	309.888	ug/l	98
14) Allyl chloride	2.72	41	306492	52.410	ug/l	99
15) Acrylonitrile	3.14	53	534720	249.073	ug/l	100
16) Acetone	2.43	43	466195	242.490	ug/l	100
17) Carbon Disulfide	2.56	76	438837	52.976	ug/l	98
18) Methyl Acetate	2.76	43	298607	50.081	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	598063	52.235	ug/l	100
20) Methylene Chloride	2.85	84	195399	48.407	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	191007	51.272	ug/l	97
22) Diisopropyl ether	3.84	45	602531	51.736	ug/l	95
23) Vinyl Acetate	3.81	43	2448815	265.532	ug/l	99
24) 1,1-Dichloroethane	3.68	63	334812	50.848	ug/l	99
25) 2-Butanone	4.66	43	743672	246.395	ug/l	97
26) 2,2-Dichloropropane	4.57	77	285233	57.555	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	220662	50.810	ug/l	98
28) Bromochloromethane	5.00	49	151522	52.420	ug/l	99
29) Tetrahydrofuran	5.12	42	484440	244.684	ug/l	100
30) Chloroform	5.20	83	352811	50.771	ug/l	97
31) Cyclohexane	5.57	56	308060	54.338	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	318518	53.307	ug/l	99
36) 1,1-Dichloropropene	5.79	75	259339	55.024	ug/l	99
37) Ethyl Acetate	4.82	43	276754	51.052	ug/l	99
38) Carbon Tetrachloride	5.77	117	283020	54.504	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	331520	56.958	ug/l	99
40) Benzene	6.13	78	766730	52.349	ug/l	100
41) Methacrylonitrile	5.02	41	157065	52.643	ug/l	99
42) 1,2-Dichloroethane	6.18	62	271646	53.531	ug/l	99
43) Isopropyl Acetate	6.43	43	445017	52.601	ug/l	100
44) Trichloroethene	7.21	130	235335	54.163	ug/l	99
45) 1,2-Dichloropropane	7.51	63	198169	54.252	ug/l	99
46) Dibromomethane	7.65	93	136108	51.276	ug/l	100
47) Bromodichloromethane	7.89	83	267168	54.817	ug/l	99
48) Methyl methacrylate	7.76	41	225695	53.870	ug/l	100
49) 1,4-Dioxane	7.73	88	113198	1015.834	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	1441313	260.281	ug/l	100
52) Toluene	8.78	92	495156	53.065	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	292937	57.913	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	319790	57.770	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	207166	52.208	ug/l	99
56) Ethyl methacrylate	9.17	69	317768	55.098	ug/l	100
57) 1,3-Dichloropropane	9.37	76	333589	52.887	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	740758	257.775	ug/l	99
59) 2-Hexanone	9.49	43	1110040	259.944	ug/l	99
60) Dibromochloromethane	9.58	129	238571	57.705	ug/l	100
61) 1,2-Dibromoethane	9.67	107	224631	53.043	ug/l	100
64) Tetrachloroethene	9.33	164	222995	54.537	ug/l	98
65) Chlorobenzene	10.13	112	567613	53.401	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	220873	55.595	ug/l	99
67) Ethyl Benzene	10.25	91	970982	54.736	ug/l	100
68) m/p-Xylenes	10.35	106	758403	111.378	ug/l	98
69) o-Xylene	10.69	106	366911	55.010	ug/l	98
70) Styrene	10.71	104	633395	56.411	ug/l	99
71) Bromoform	10.85	173	192960	49.982	ug/l #	100
73) Isopropylbenzene	11.02	105	992229	55.295	ug/l	100
74) N-amyl acetate	10.90	43	405826	53.218	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	319033	51.683	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	277292m	52.880	ug/l	
77) Bromobenzene	11.25	156	285935	53.559	ug/l	99
78) n-propylbenzene	11.36	91	1109892	57.361	ug/l	100
79) 2-Chlorotoluene	11.41	91	651043	54.795	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	851326	56.477	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	101379	52.159	ug/l	97
82) 4-Chlorotoluene	11.51	91	764158	55.437	ug/l	100
83) tert-Butylbenzene	11.77	119	864802	56.330	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	856600	56.605	ug/l	100
85) sec-Butylbenzene	11.94	105	993290	57.346	ug/l	100
86) p-Isopropyltoluene	12.06	119	958069	58.795	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	503405	54.858	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	508628	54.687	ug/l	99
89) n-Butylbenzene	12.38	91	797856	59.556	ug/l	100
90) Hexachloroethane	12.59	117	148582	57.741	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	502881	54.592	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	72339	51.223	ug/l	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	390544	56.901	ug/l	99
94) Hexachlorobutadiene	13.78	225	216747	57.995	ug/l	99
95) Naphthalene	13.83	128	1096626	56.517	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	395224	57.090	ug/l	99

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

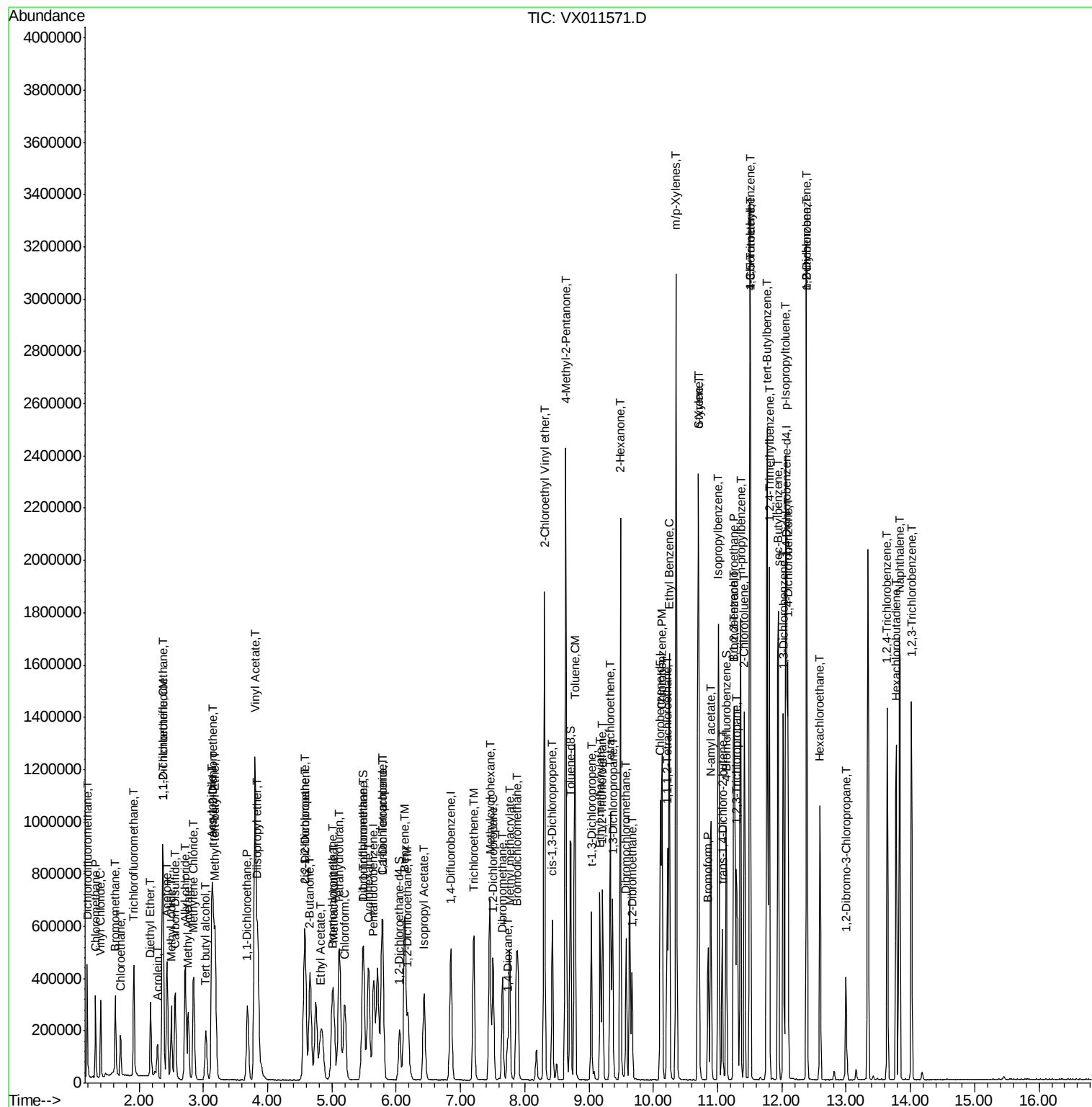
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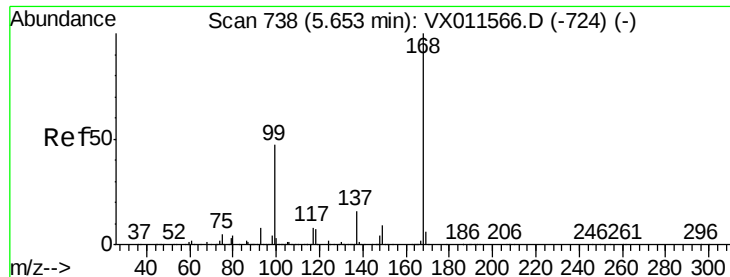
Instrument :
MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 412297

Ion Ratio Lower Upper

168 100

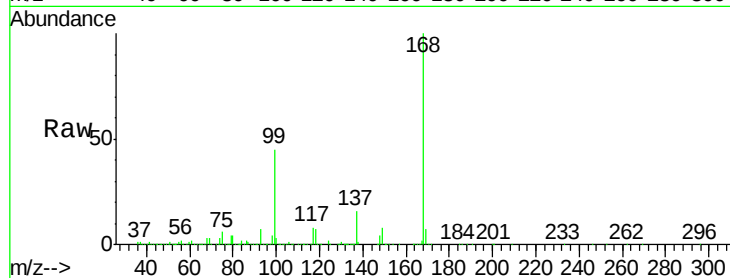
99 45.1 37.3 55.9

Manual Integrations

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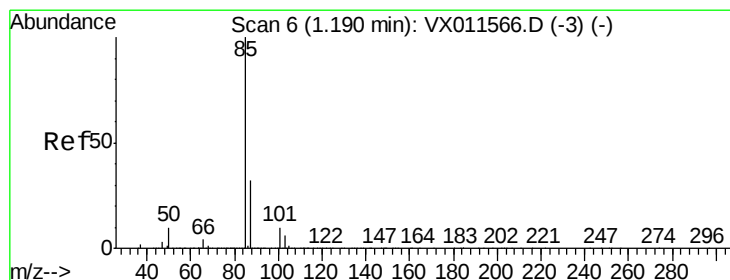
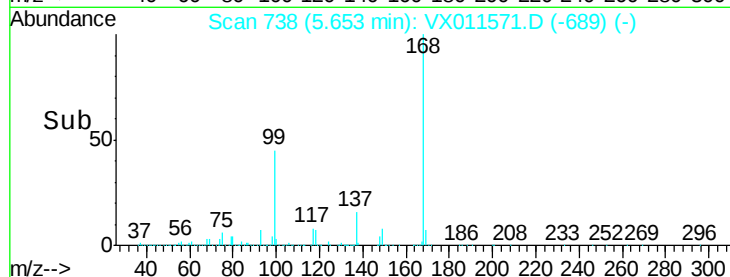
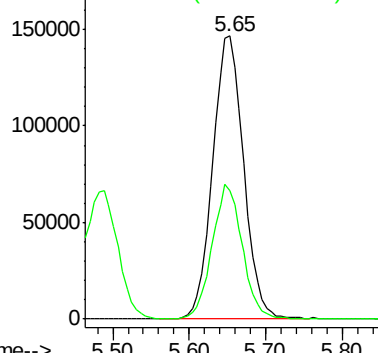
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 58.713 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011571.D

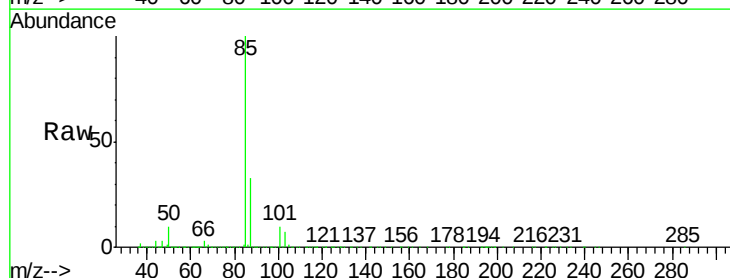
Acq: 16 Aug 2019 10:46

Tgt Ion: 85 Resp: 237945

Ion Ratio Lower Upper

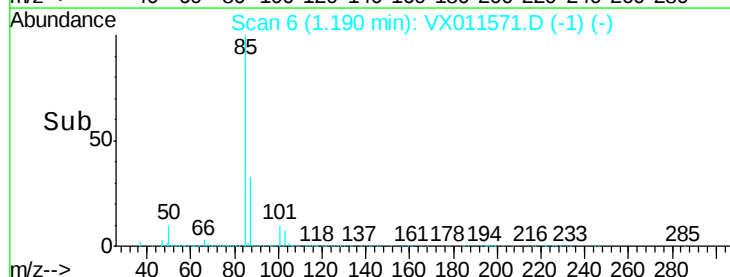
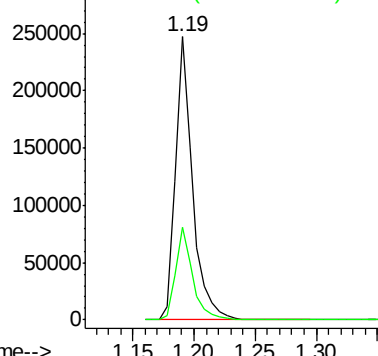
85 100

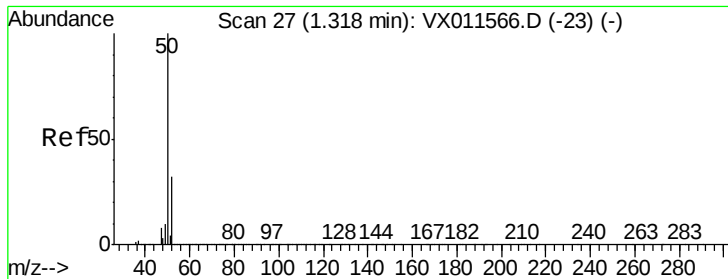
87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.564 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 195997

Ion Ratio Lower Upper

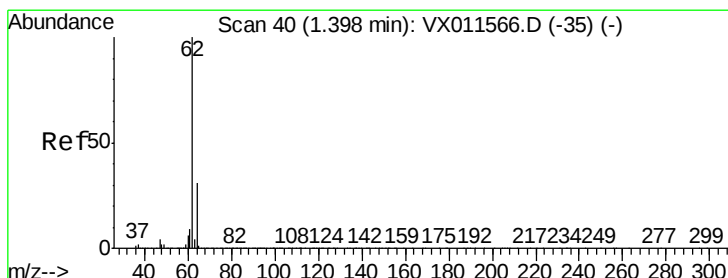
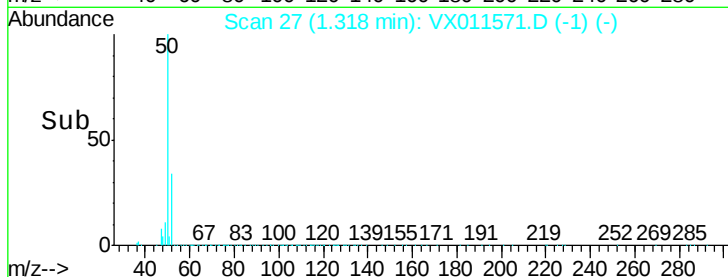
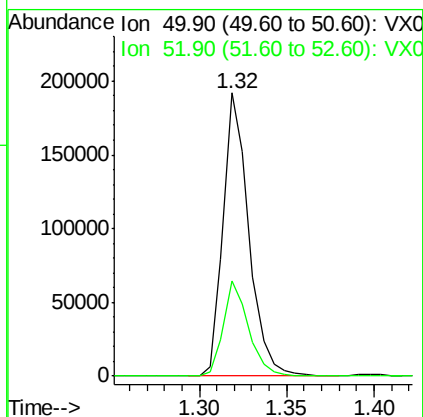
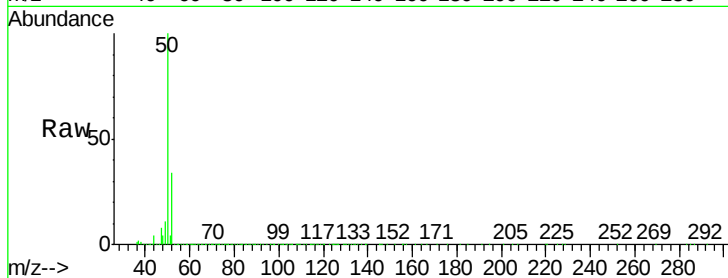
50 100

52 33.5 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 51.982 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011571.D

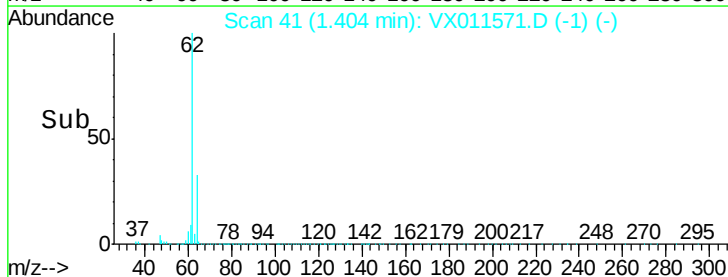
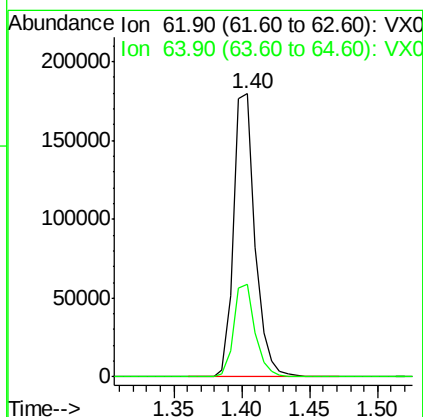
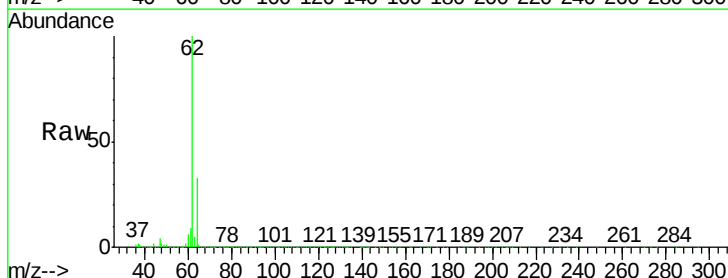
Acq: 16 Aug 2019 10:46

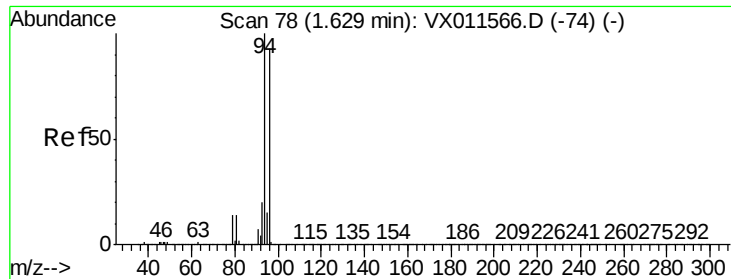
Tgt Ion: 62 Resp: 197653

Ion Ratio Lower Upper

62 100

64 32.6 25.0 37.4





#5

Bromomethane

Concen: 55.350 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tot Ion: 94 Resp: 94302

Ion Ratio Lower Upper

94 100

96 91.1 74.8 112.2

Instrument :

MSVOA_X

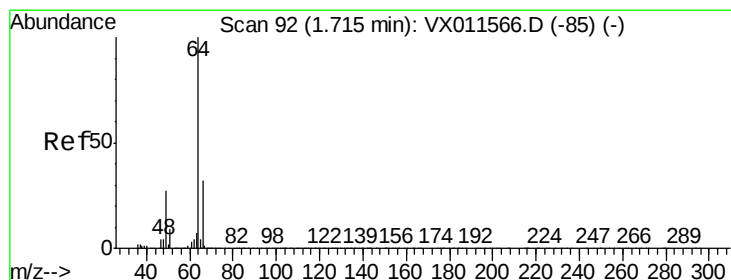
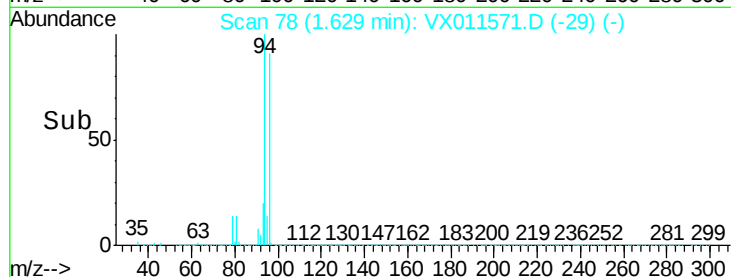
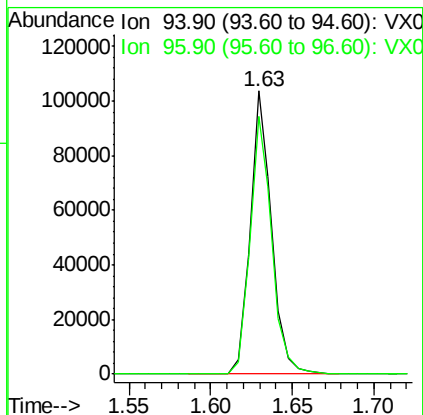
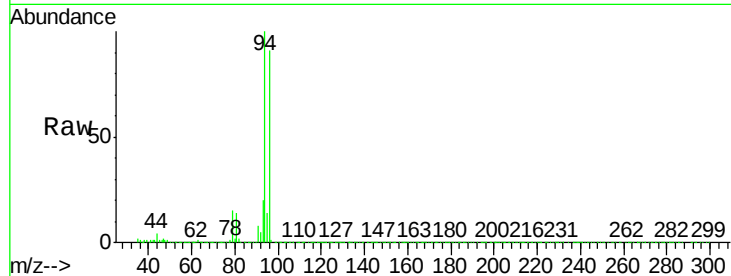
ClientSampleId :

VSTDCCC050

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#6

Chloroethane

Concen: 52.990 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011571.D

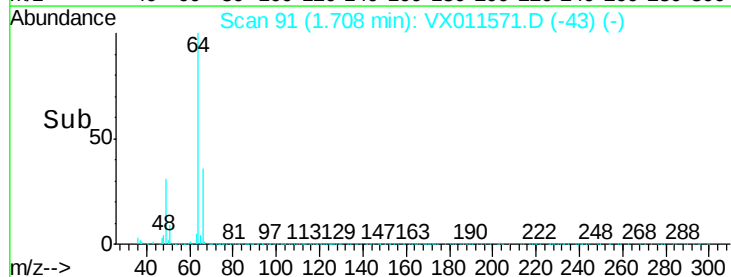
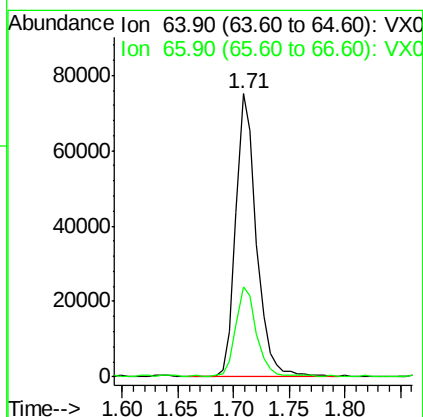
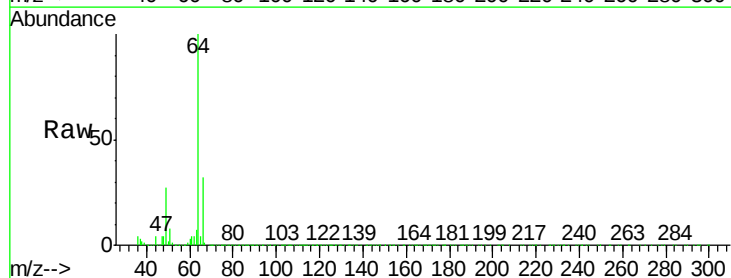
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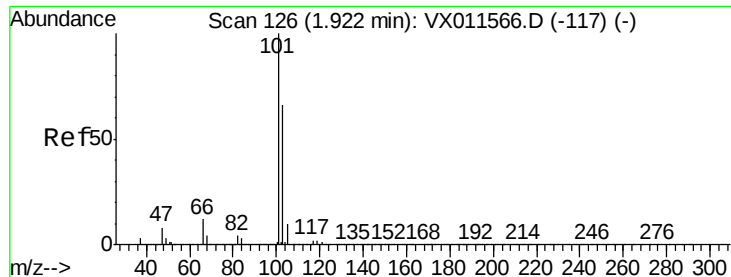
Tgt Ion: 64 Resp: 95360

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9





#7

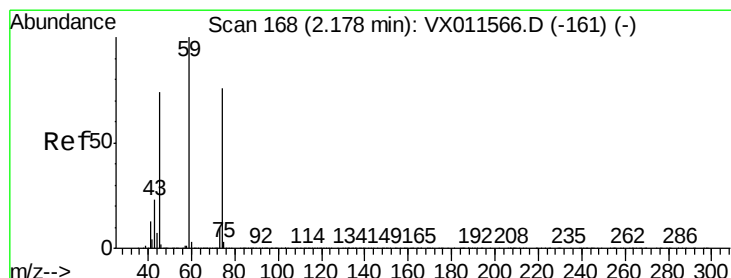
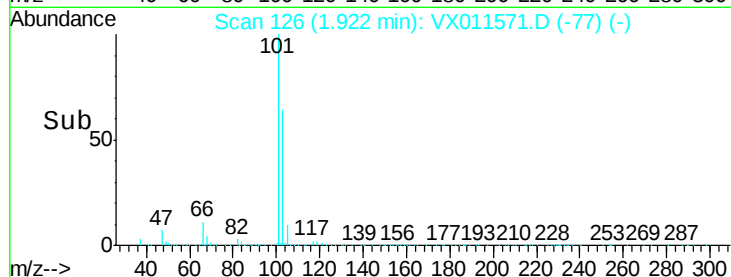
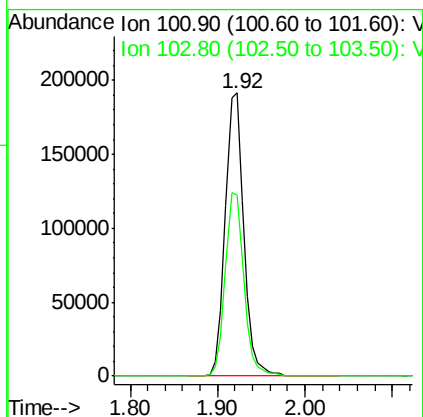
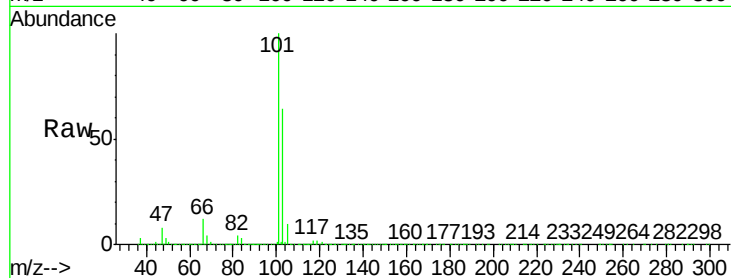
Trichlorofluoromethane
Concen: 53.519 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.9	79.3

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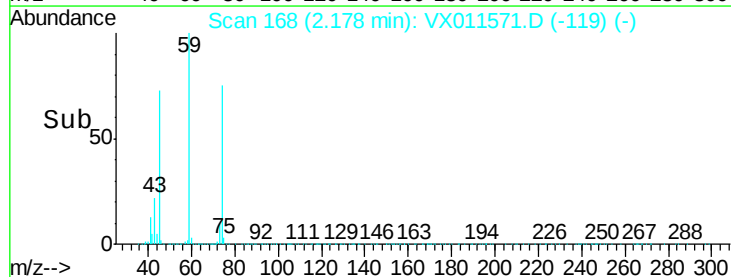
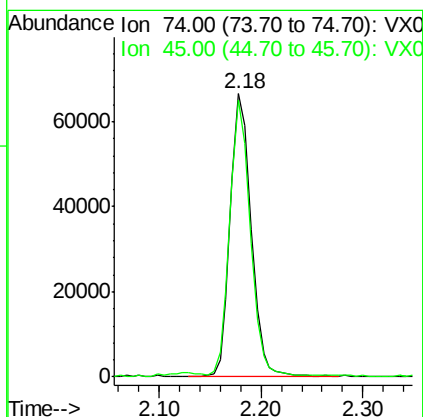
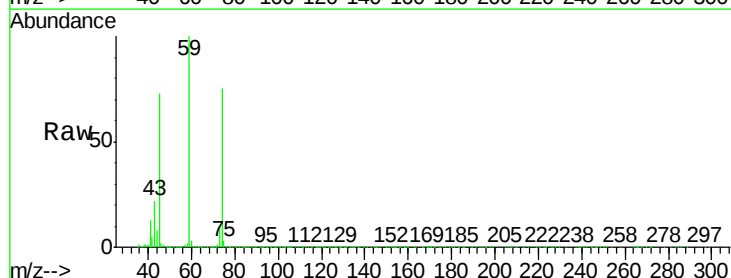
MMDadoda
8/19/2019 10:29:44 AM

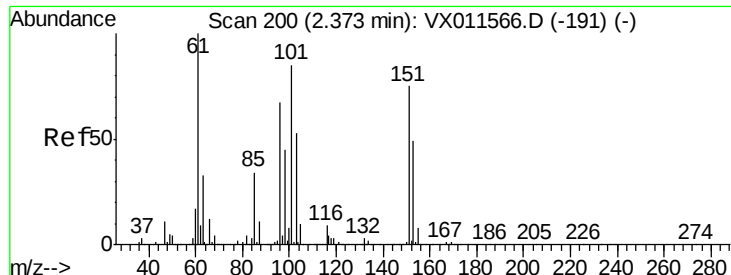


#8

Diethyl Ether
Concen: 51.891 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011571.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.562 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

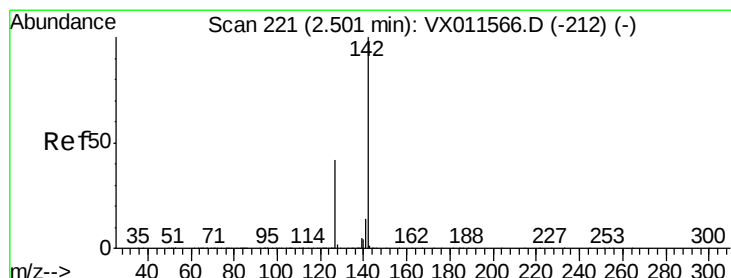
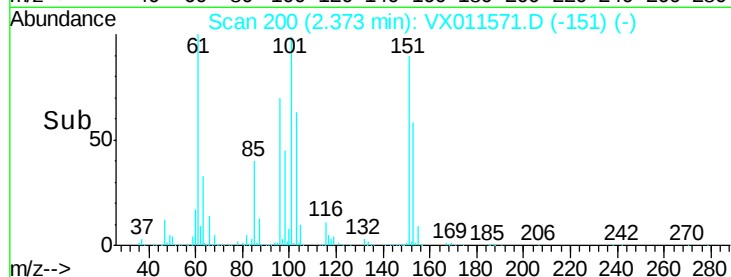
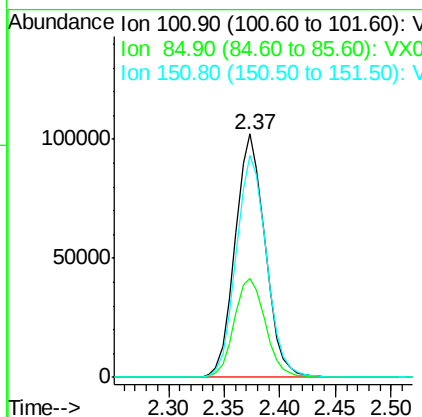
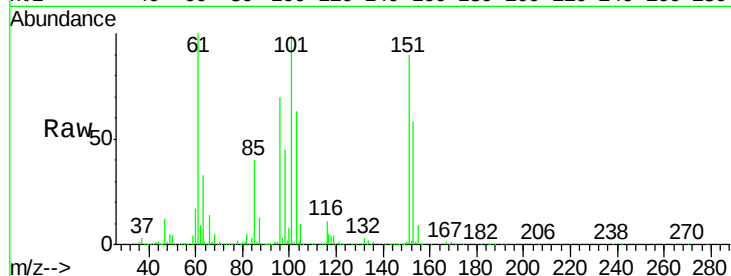
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	191203
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.0	49.4
151	92.6	73.3	109.9

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#10

Methyl Iodide

Concen: 55.269 ug/l

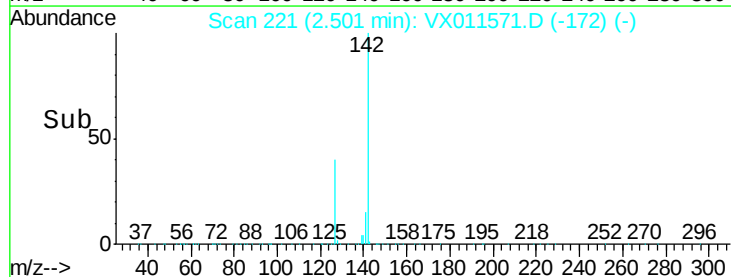
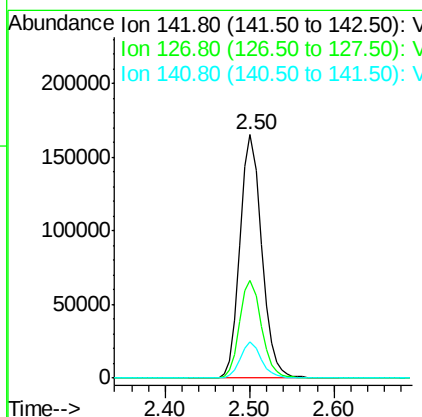
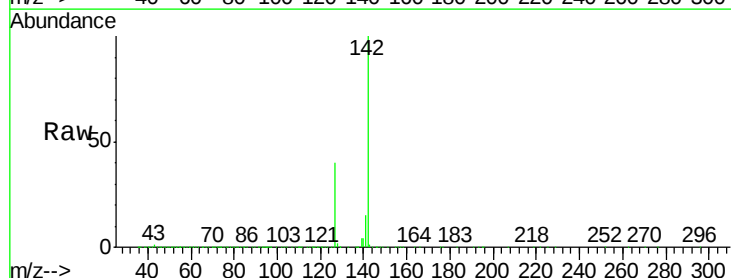
RT: 2.50 min Scan# 221

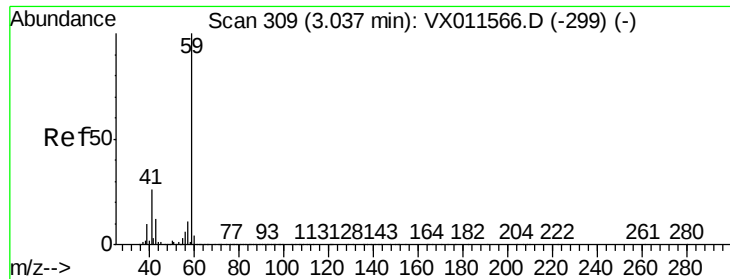
Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion:	142	Resp:	286407
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.8	49.2
141	14.3	11.4	17.2





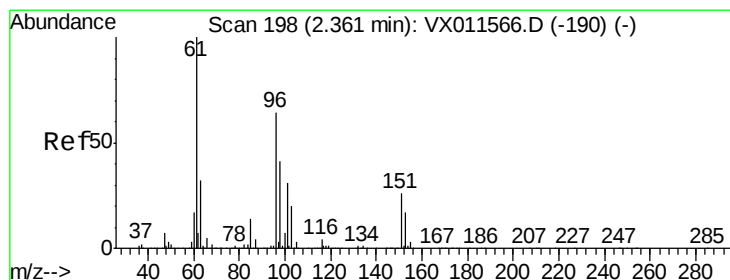
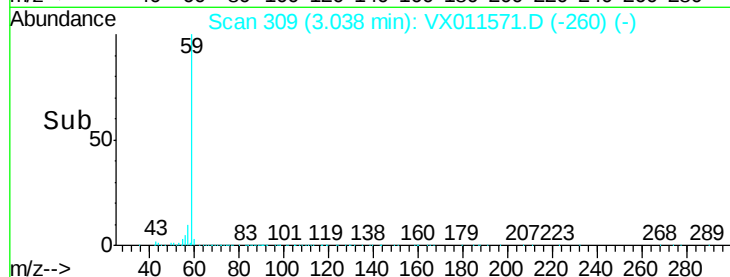
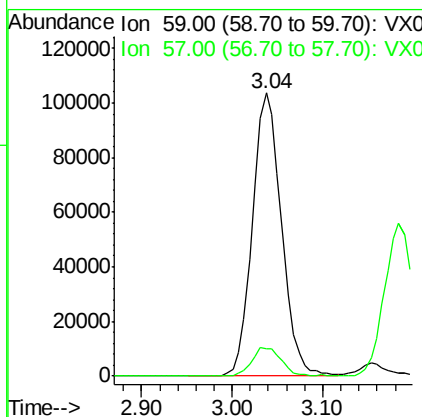
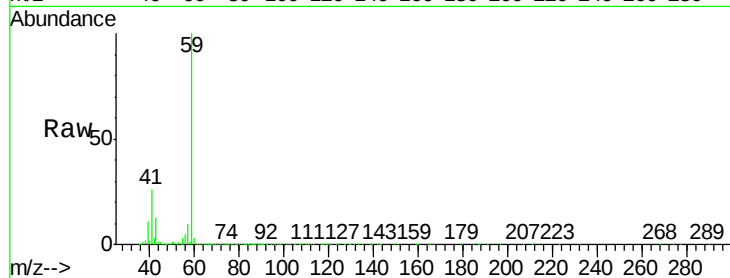
#11
Tert butyl alcohol
Concen: 245.331 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.7	13.1

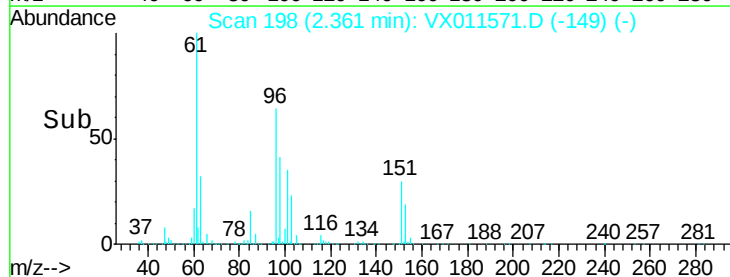
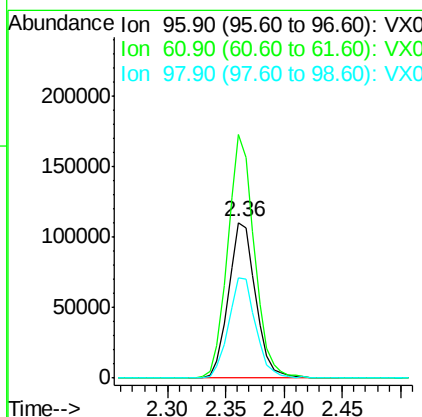
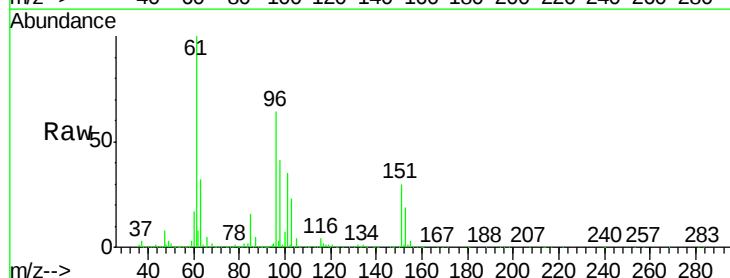
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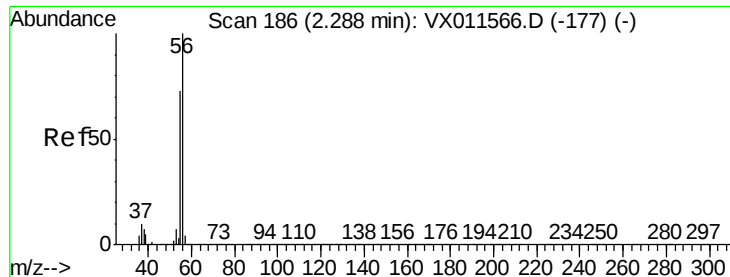
MMDadoda
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#12
1,1-Dichloroethene
Concen: 50.741 ug/l
RT: 2.36 min Scan# 198
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.5	125.0	187.4
98	64.6	51.5	77.3





#13

Acrolein

Concen: 309.888 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 90327

Ion Ratio Lower Upper

56 100

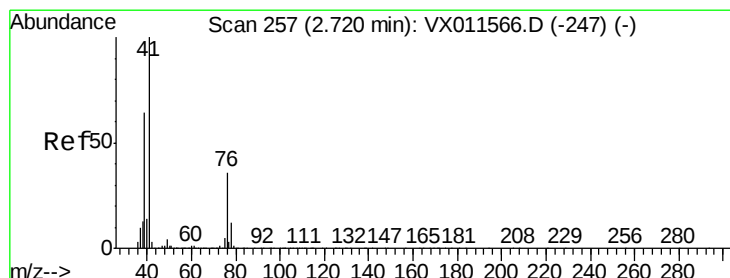
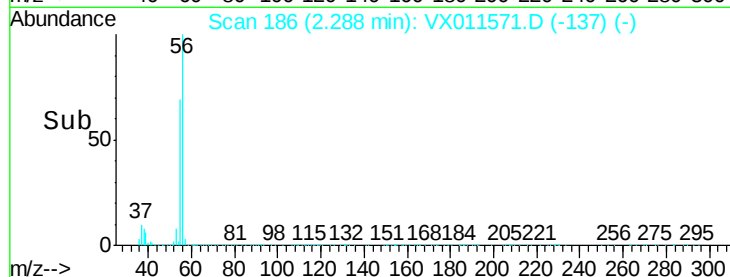
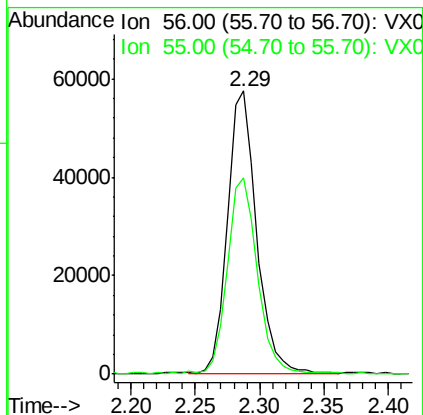
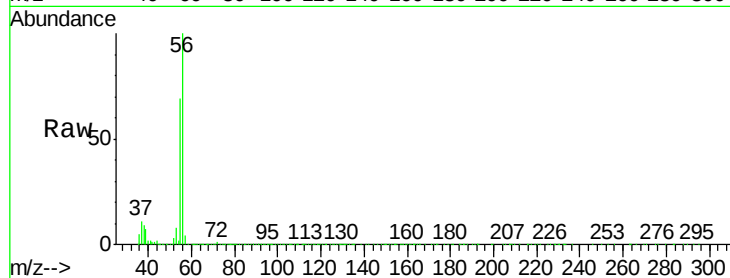
55 71.3 55.5 83.3

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#14

Allyl chloride

Concen: 52.410 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

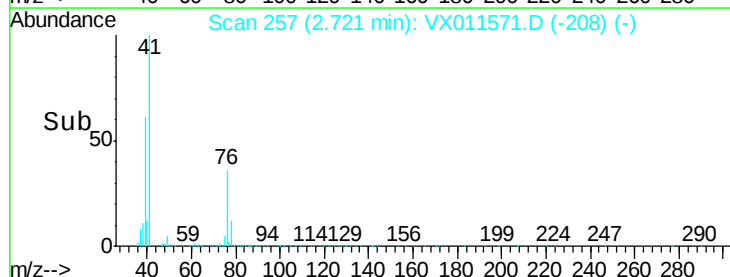
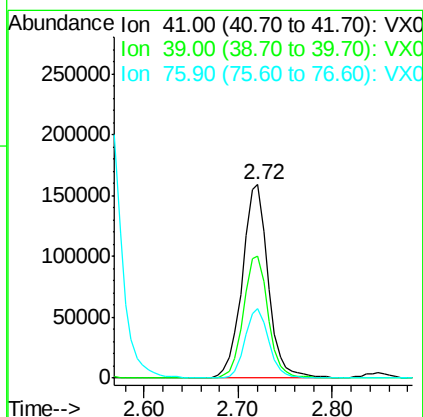
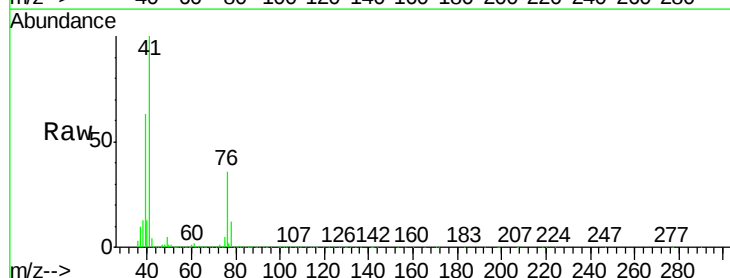
Tgt Ion: 41 Resp: 306492

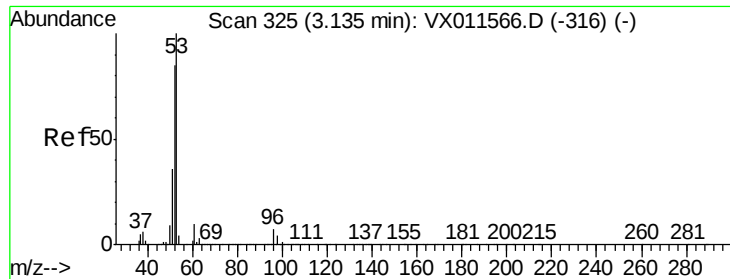
Ion Ratio Lower Upper

41 100

39 60.3 47.5 71.3

76 32.8 26.3 39.5





#15

Acrylonitrile

Concen: 249.073 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

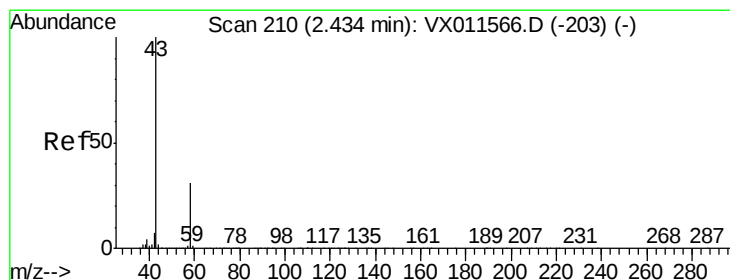
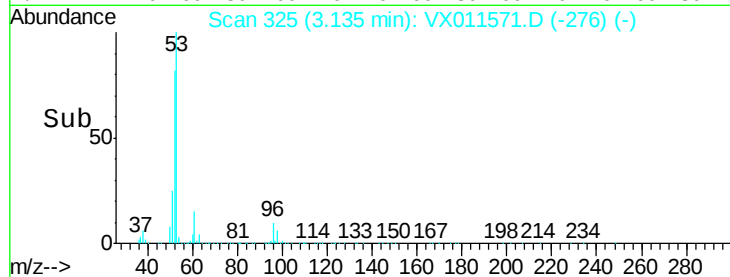
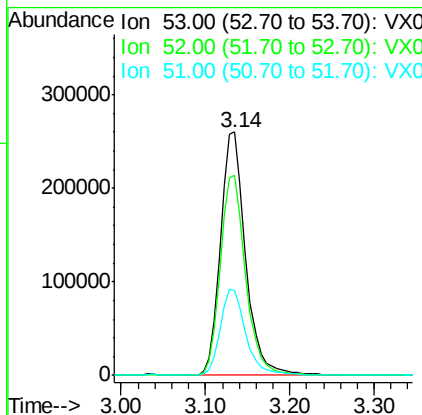
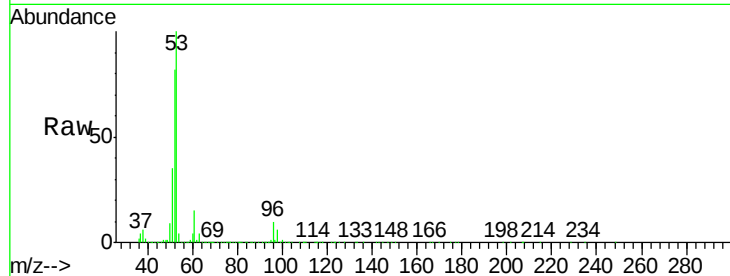
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	534720
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.7	100.1
51	35.9	28.7	43.1

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#16

Acetone

Concen: 242.490 ug/l

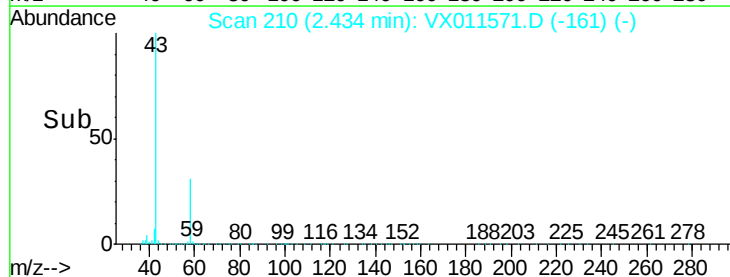
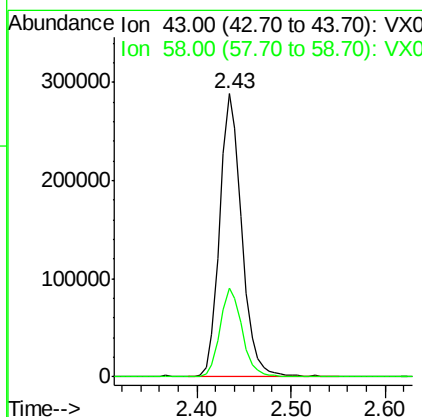
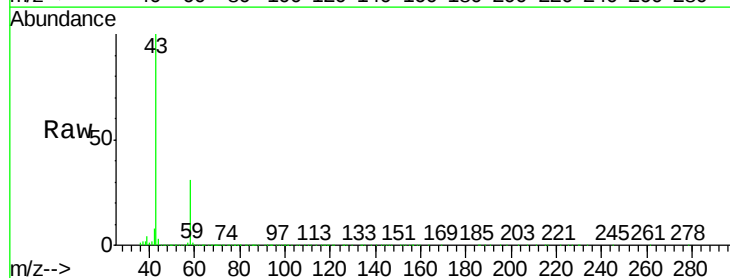
RT: 2.43 min Scan# 210

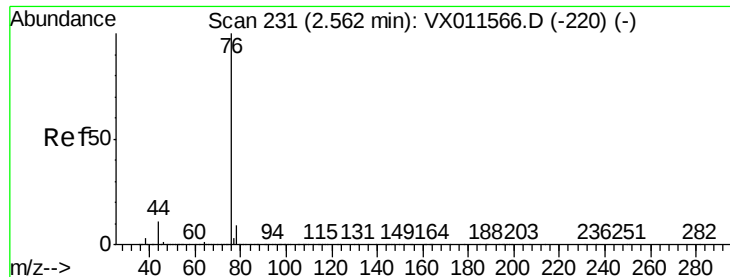
Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion:	43	Resp:	466195
Ion Ratio		Lower	Upper
43	100		
58	31.4	25.2	37.8





#17

Carbon Disulfide

Concen: 52.976 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 438837

Ion Ratio Lower Upper

76 100

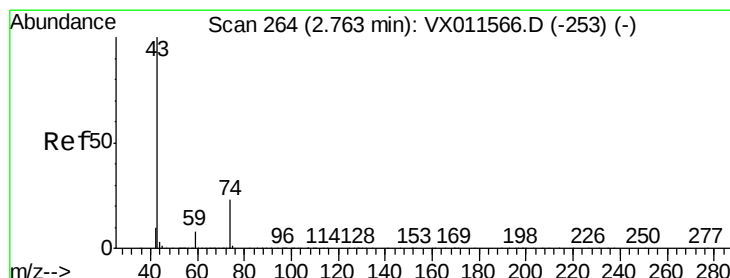
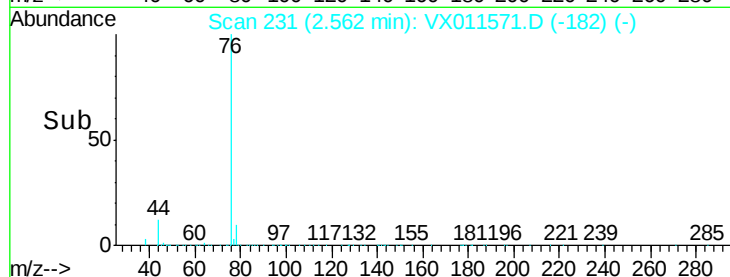
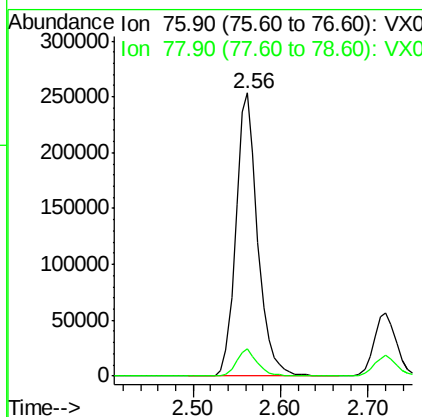
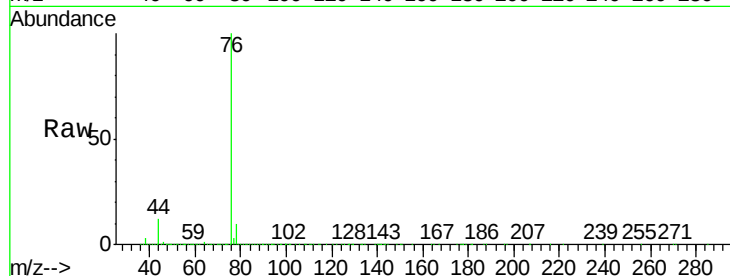
78 9.8 7.2 10.8

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#18

Methyl Acetate

Concen: 50.081 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011571.D

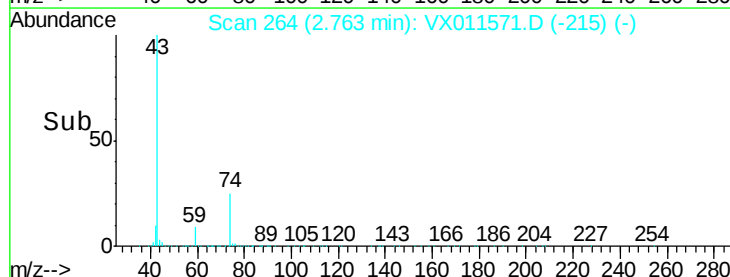
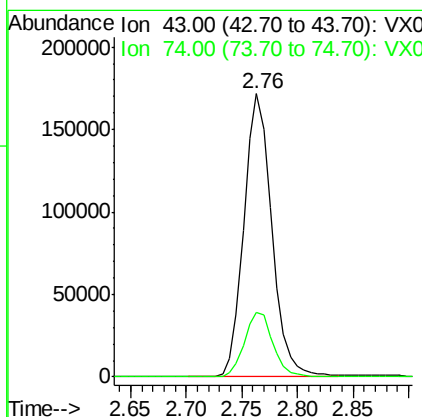
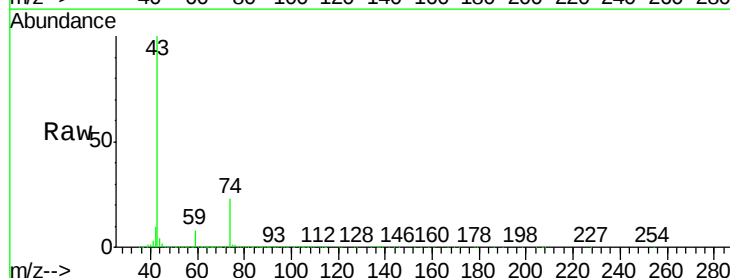
Acq: 16 Aug 2019 10:46

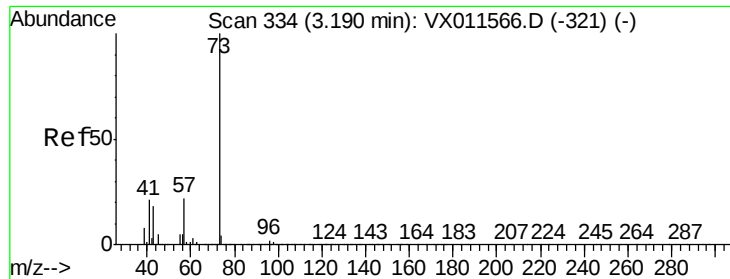
Tgt Ion: 43 Resp: 298607

Ion Ratio Lower Upper

43 100

74 23.6 19.7 29.5





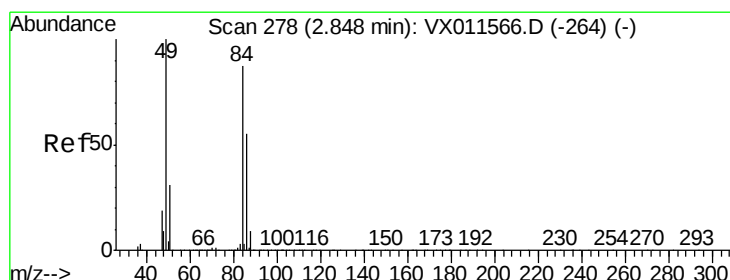
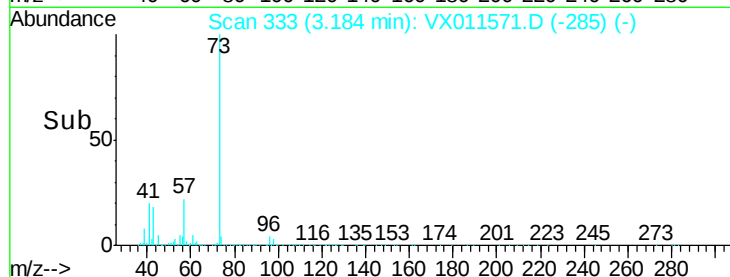
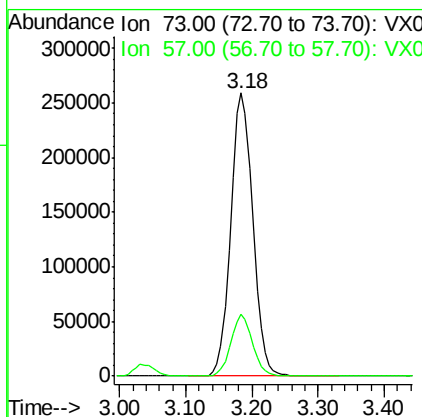
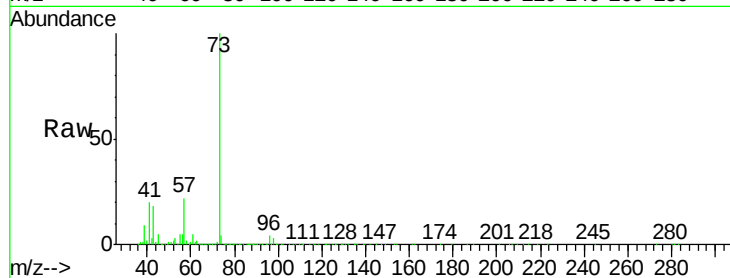
#19
Methvl tert-butvl Ether
Concen: 52.235 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.2	25.8

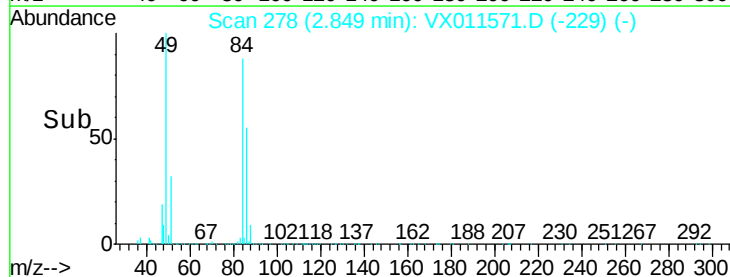
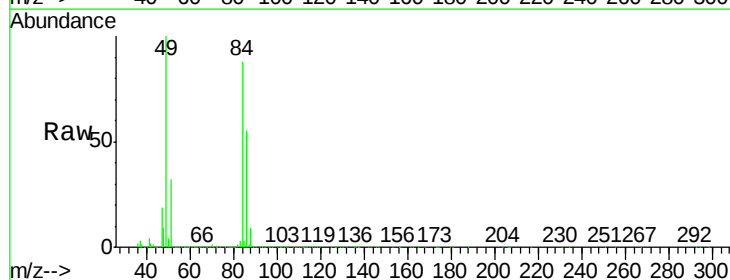
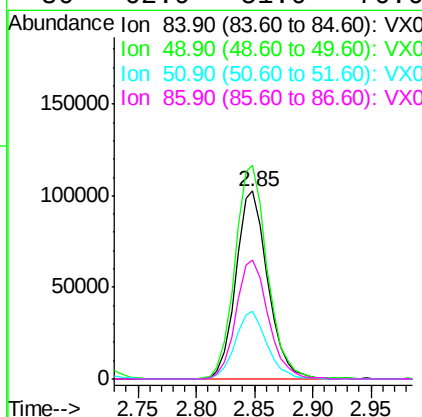
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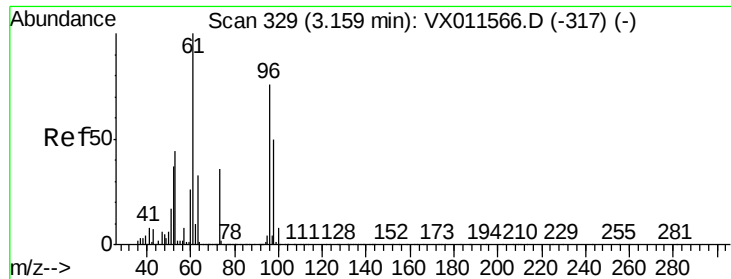
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#20
Methylene Chloride
Concen: 48.407 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.6	92.4	138.6
51	35.8	28.5	42.7
86	62.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 51.272 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011571.D

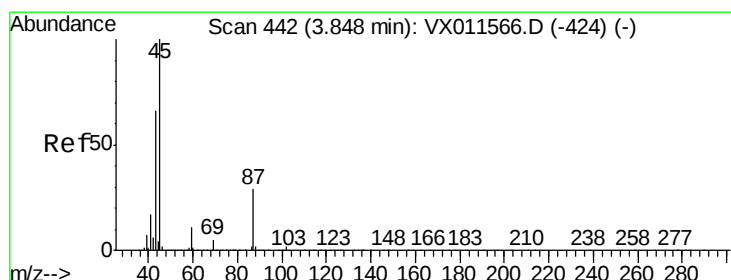
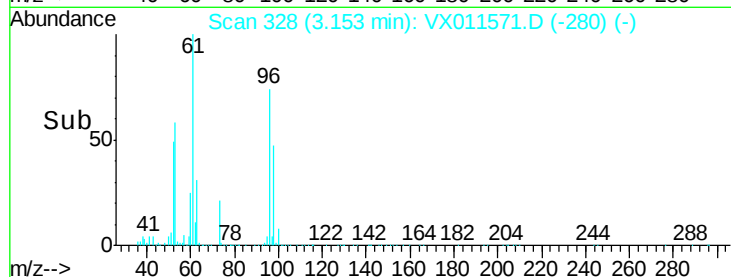
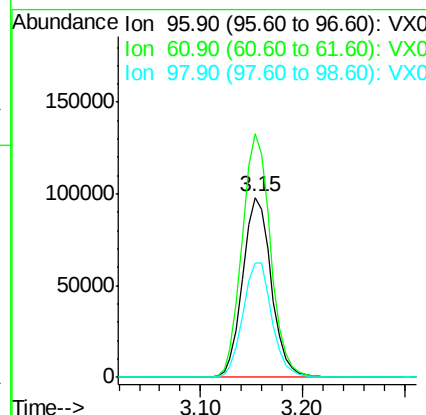
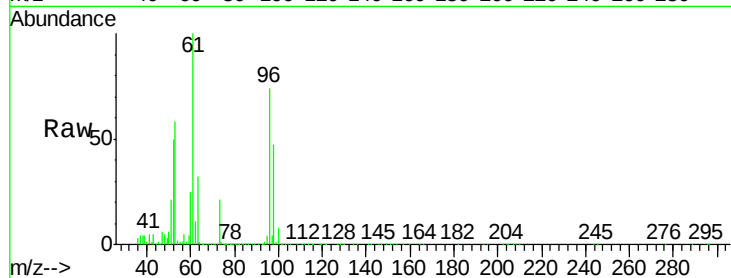
Acq: 16 Aug 2019 10:46

Tot Ion:	96	Resp:	191007
Ion	Ratio	Lower	Upper
96	100		
61	135.5	105.5	158.3
98	63.6	52.6	78.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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#22

Diisopropyl ether

Concen: 51.736 ug/l

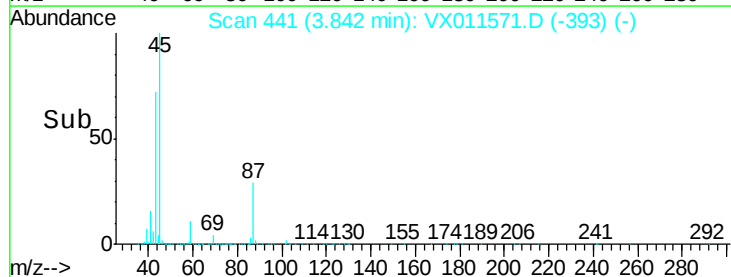
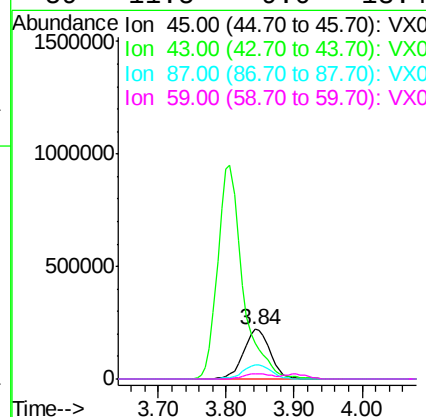
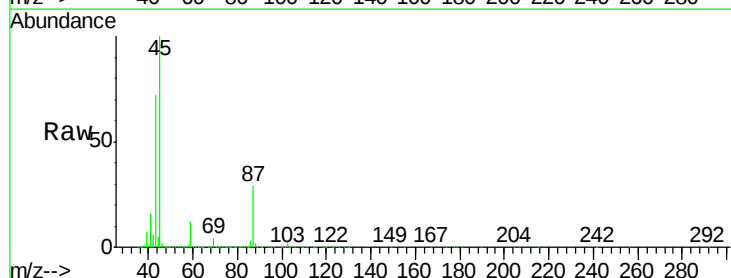
RT: 3.84 min Scan# 441

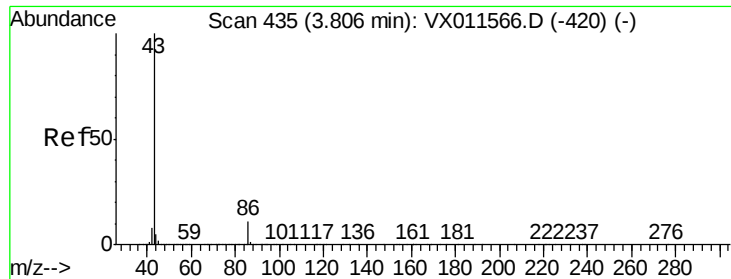
Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion:	45	Resp:	602531
Ion	Ratio	Lower	Upper
45	100		
43	71.4	52.7	79.1
87	28.7	23.5	35.3
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 265.532 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tot Ion: 43 Resp: 2448815

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0

Instrument :

MSVOA_X

ClientSampleId :

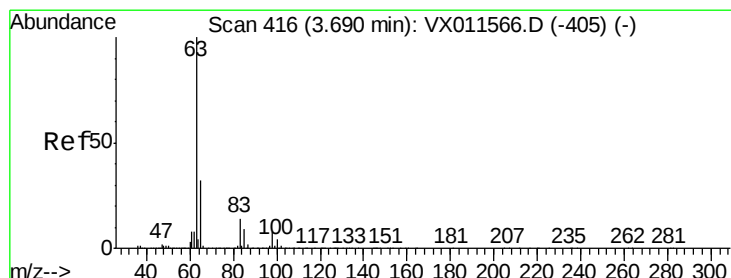
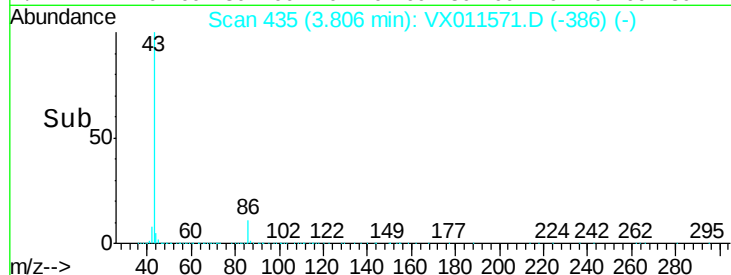
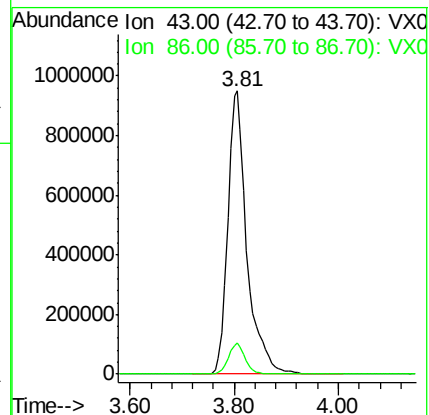
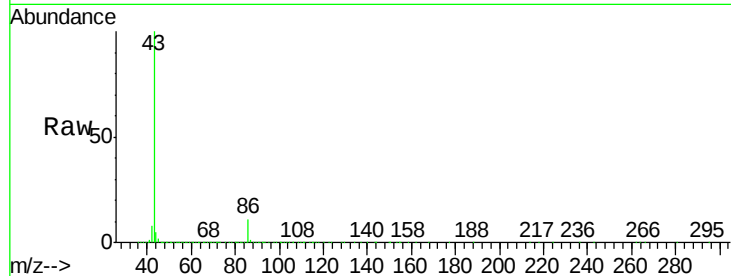
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 50.848 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

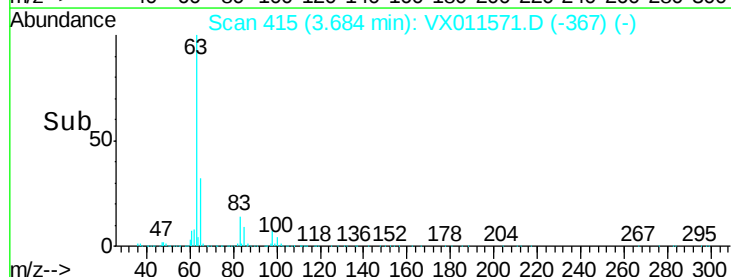
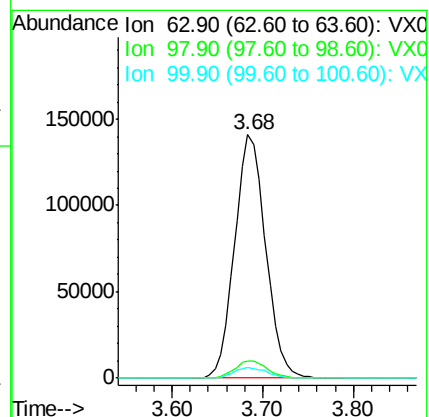
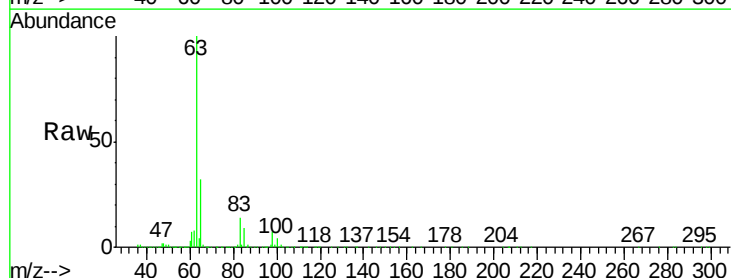
Tgt Ion: 63 Resp: 334812

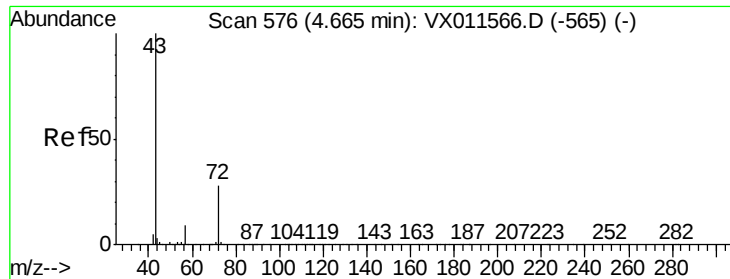
Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 246.395 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 743672

Ion Ratio Lower Upper

43 100

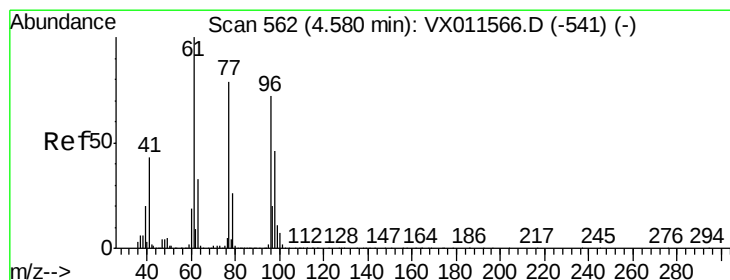
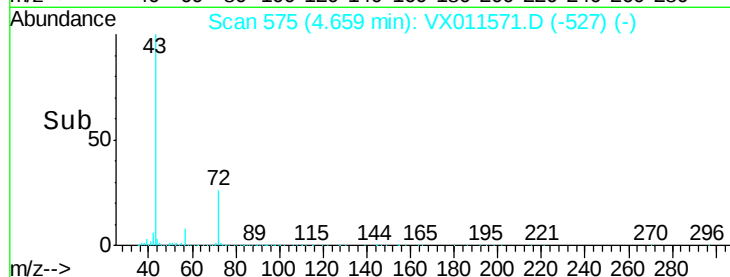
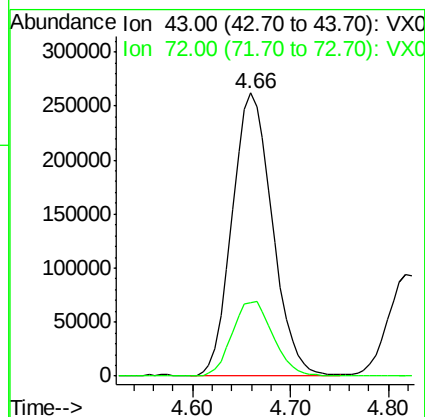
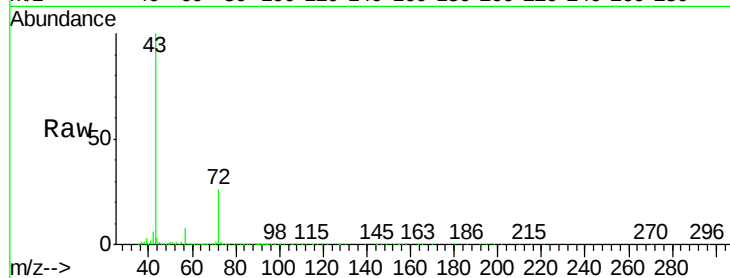
72 26.0 22.2 33.4

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#26

2,2-Dichloropropane

Concen: 57.555 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011571.D

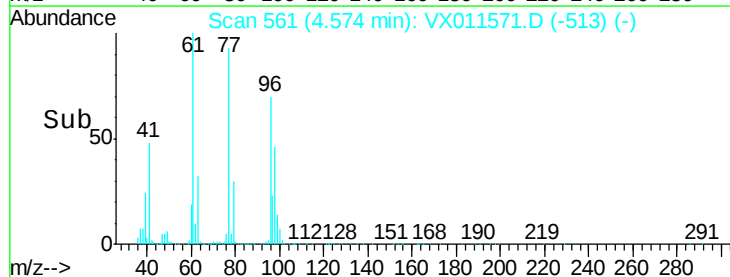
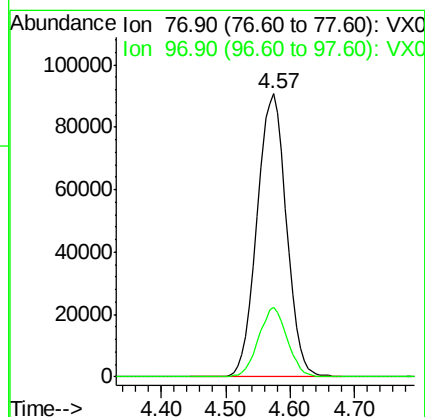
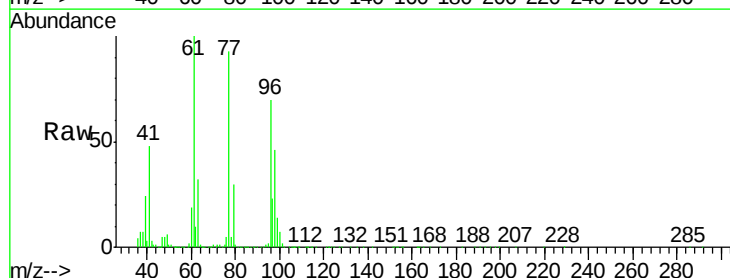
Acq: 16 Aug 2019 10:46

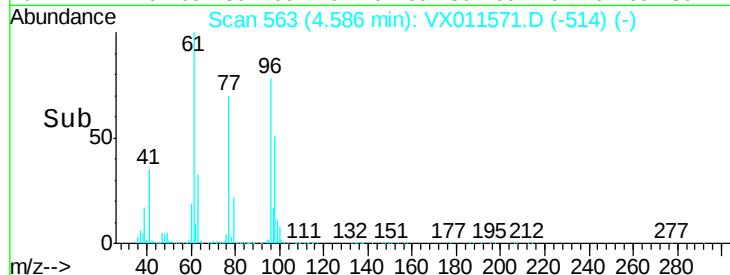
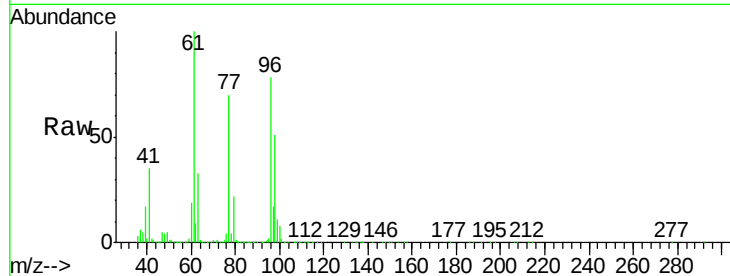
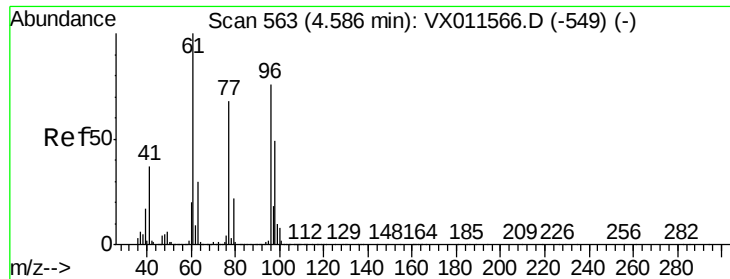
Tgt Ion: 77 Resp: 285233

Ion Ratio Lower Upper

77 100

97 24.1 12.4 37.2





#27

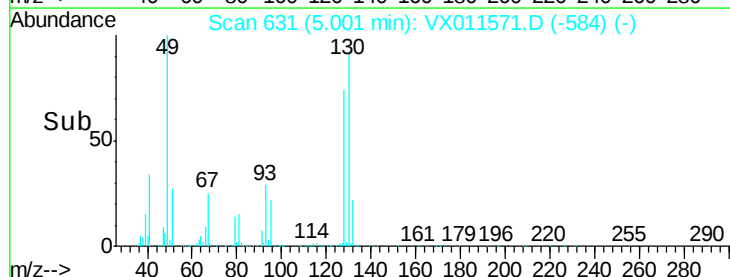
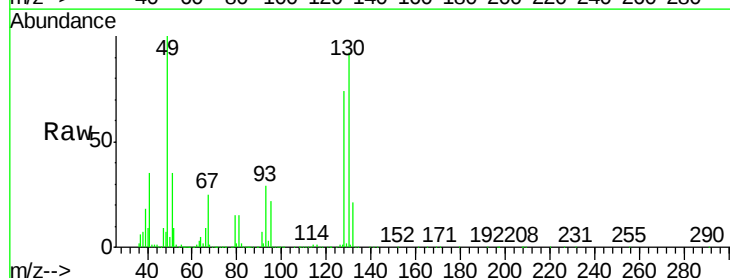
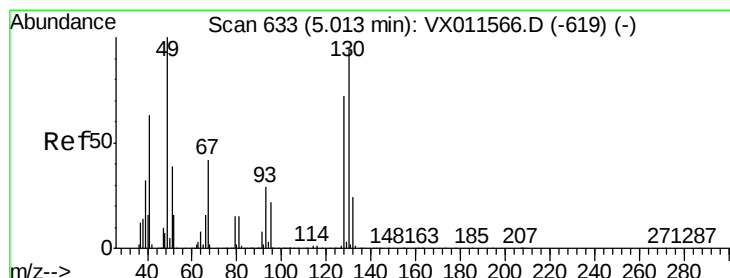
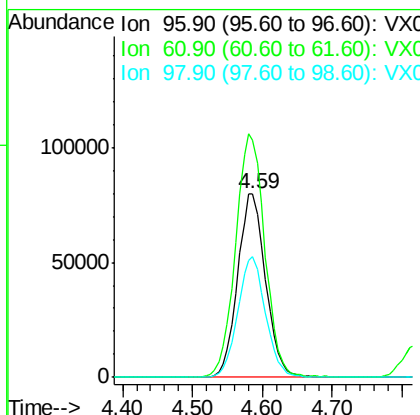
cis-1,2-Dichloroethene
Concen: 50.810 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tot Ion	Ratio	Resp	Lower	Upper
96	100	220662		
61	138.7	0.0	272.6	
98	65.3	0.0	129.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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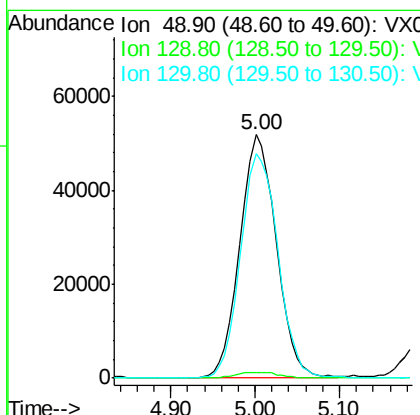
MMDadoda
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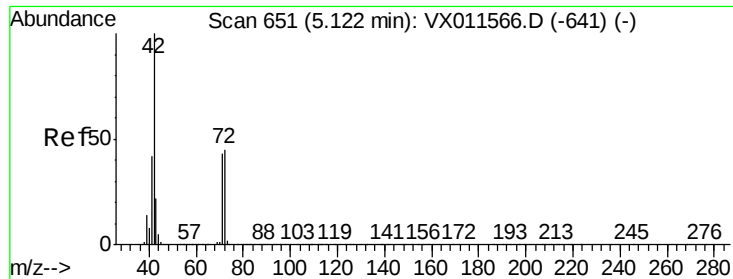


#28

Bromochloromethane
Concen: 52.420 ug/l
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	151522		
129	2.9	0.0	5.0	
130	95.3	76.6	115.0	





#29

Tetrahydrofuran

Concen: 244.684 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

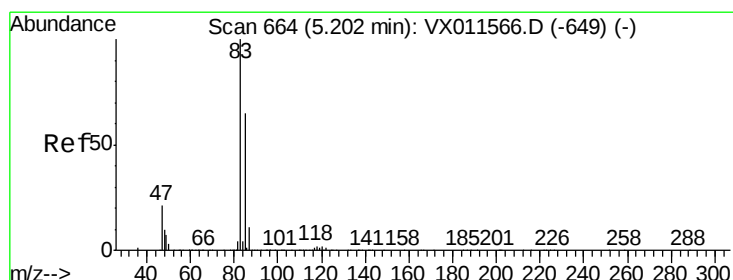
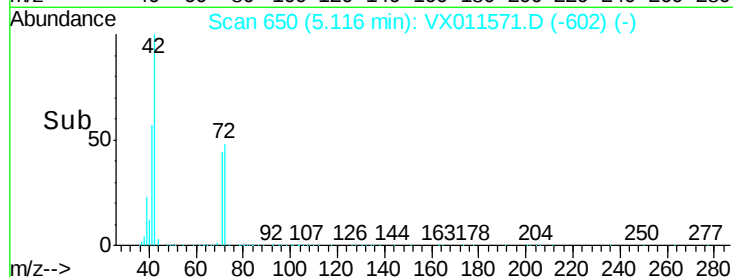
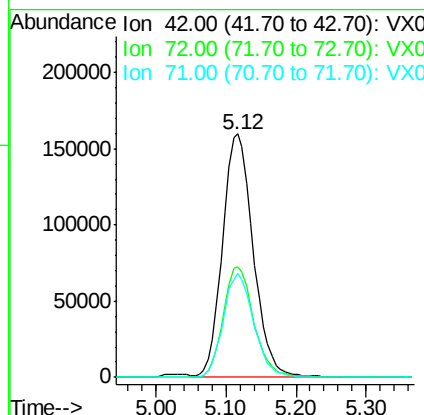
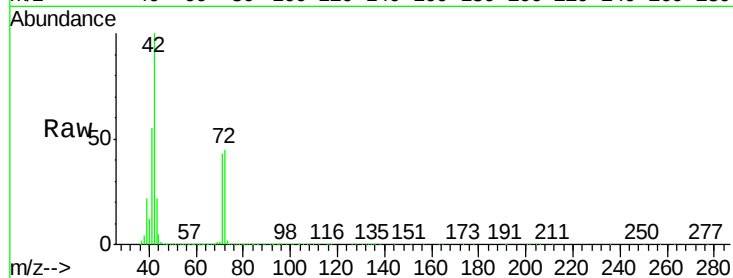
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	484440
Ion Ratio		Lower	Upper
42	100		
72	45.7	36.1	54.1
71	42.3	33.8	50.8

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#30

Chloroform

Concen: 50.771 ug/l

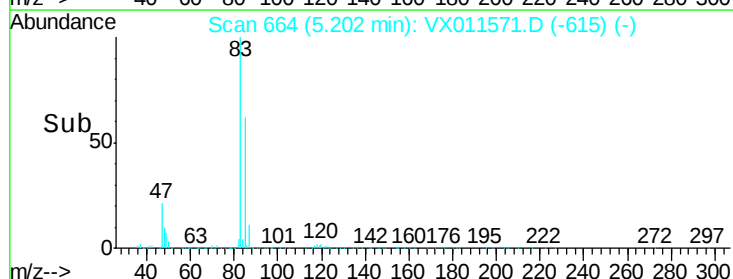
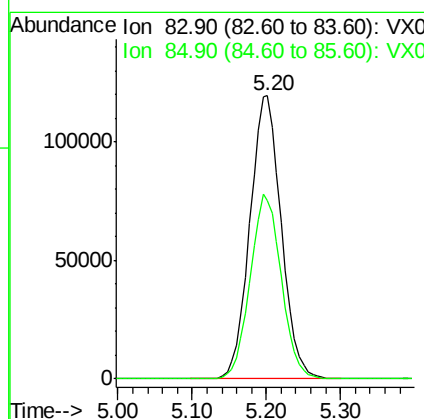
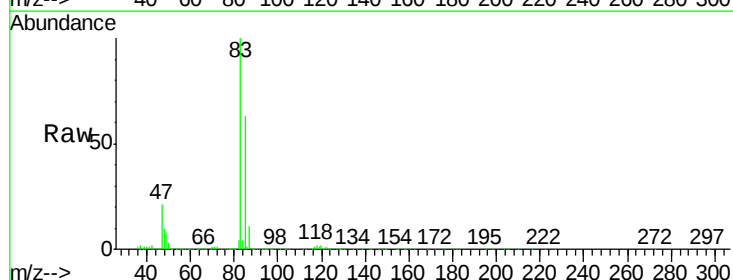
RT: 5.20 min Scan# 664

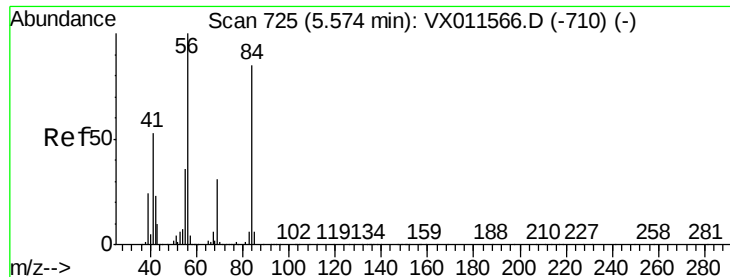
Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion:	83	Resp:	352811
Ion Ratio		Lower	Upper
83	100		
85	62.8	51.9	77.9





#31

Cyclohexane

Concen: 54.338 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

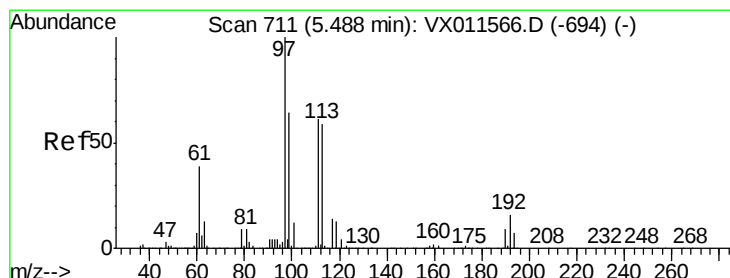
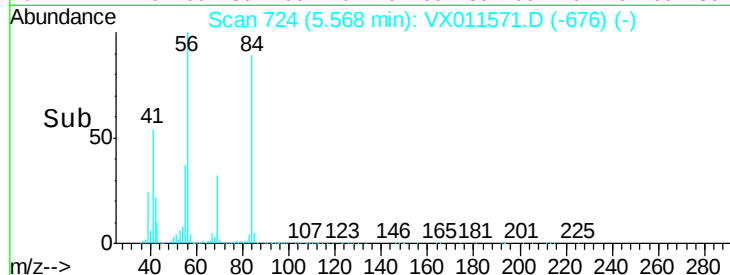
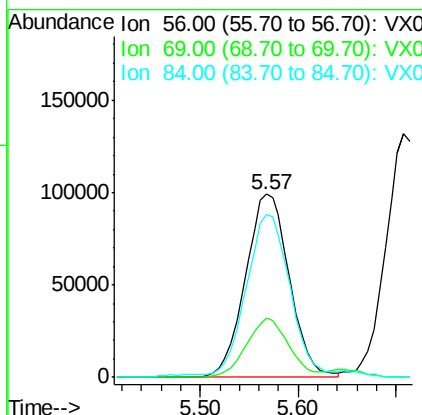
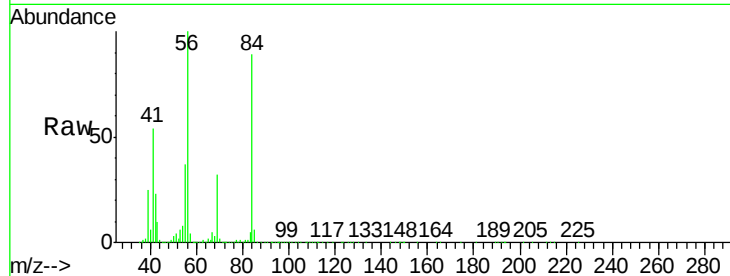
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	308060
Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.8	37.2
84	87.6	67.9	101.9

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#32

1,1,1-Trichloroethane

Concen: 53.307 ug/l

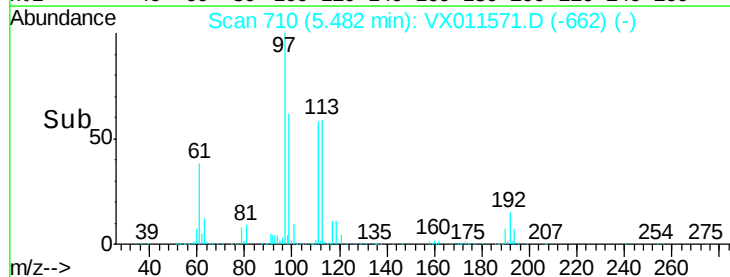
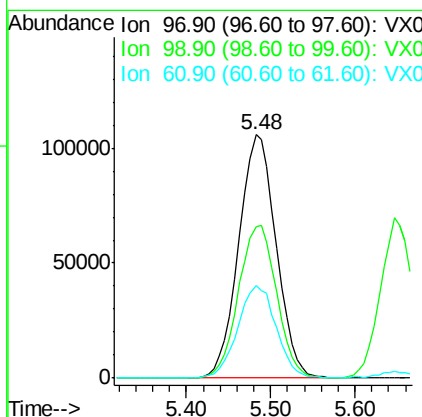
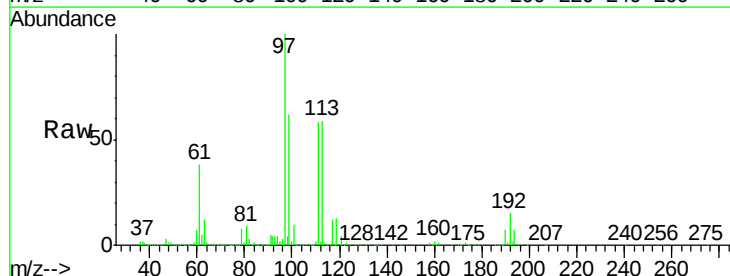
RT: 5.48 min Scan# 710

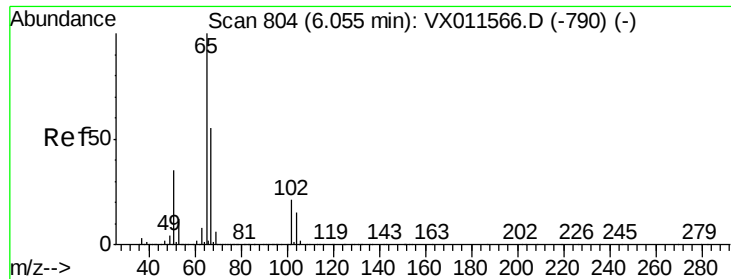
Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion:	97	Resp:	318518
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	38.9	31.4	47.2





#33

1,2-Dichloroethane-d4

Concen: 48.600 ug/l

RT: 6.05 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX011571.D

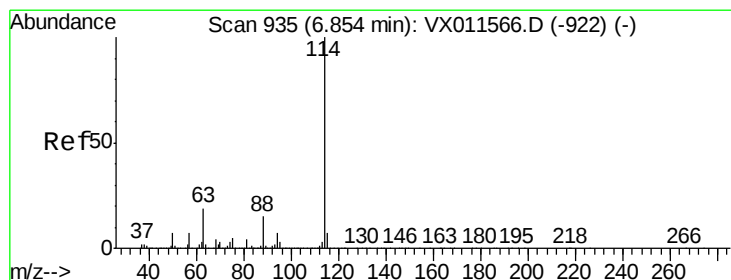
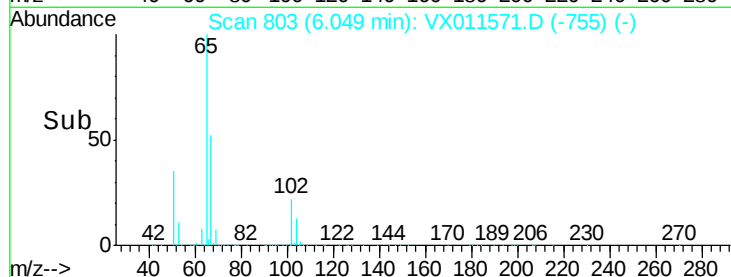
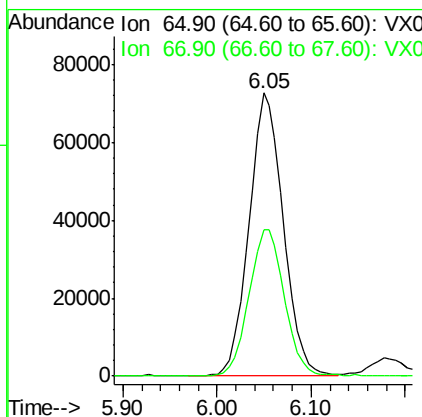
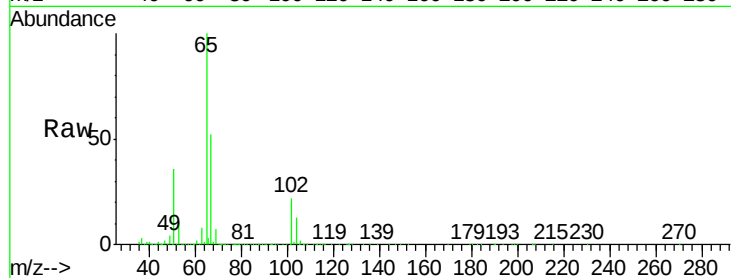
Acq: 16 Aug 2019 10:46

Tot Ion:	65	Resp:	185822
Ion Ratio	Lower	Upper	
65	100		
67	53.0	0.0	107.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

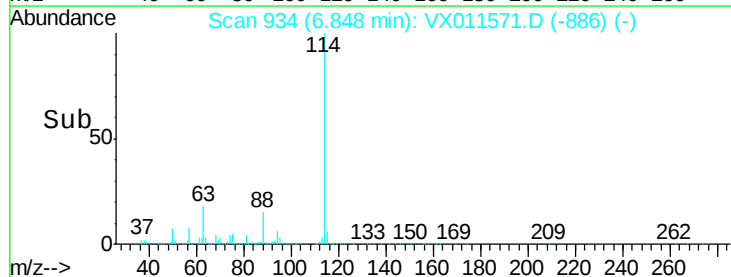
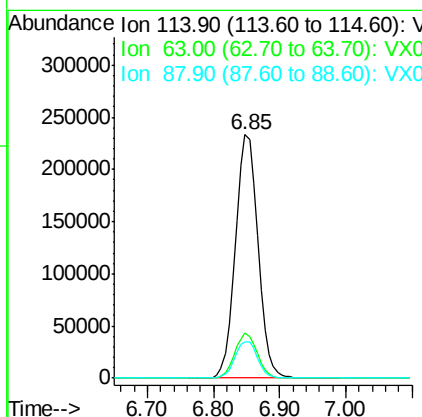
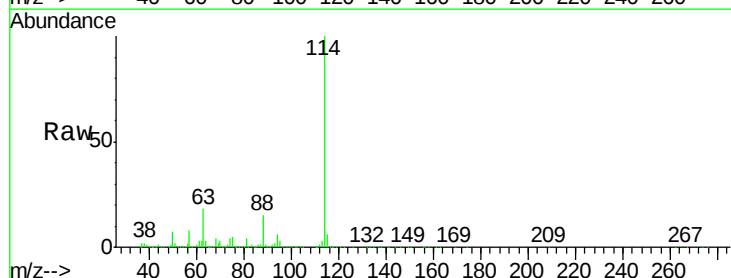
RT: 6.85 min Scan# 934

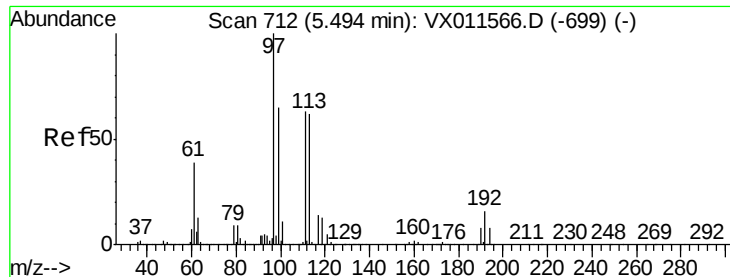
Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion:	114	Resp:	551256
Ion Ratio	Lower	Upper	
114	100		
63	18.3	0.0	37.8
88	15.1	0.0	30.2





#35

Dibromofluoromethane

Concen: 49.476 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

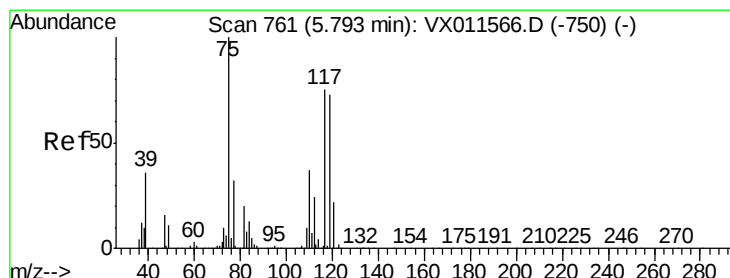
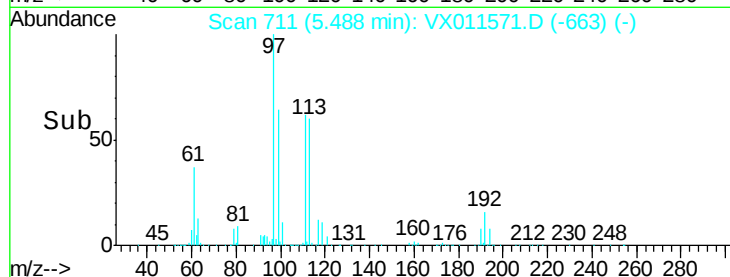
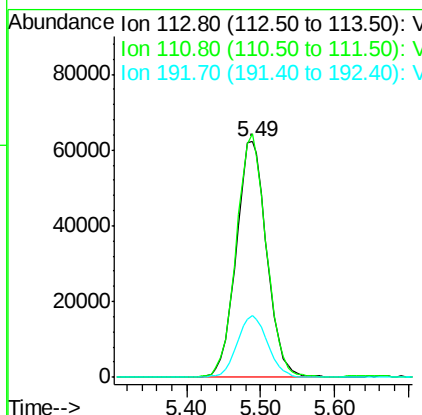
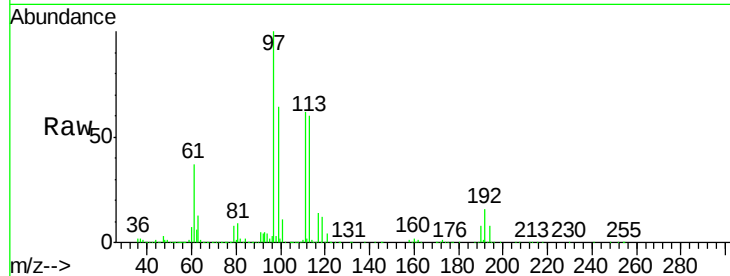
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	178389
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.1	121.7
192	26.5	20.8	31.2

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#36

1,1-Dichloropropene

Concen: 55.024 ug/l

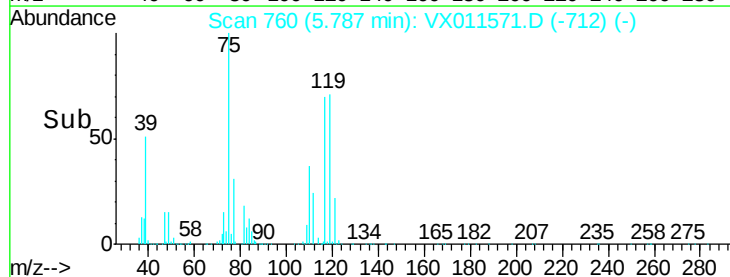
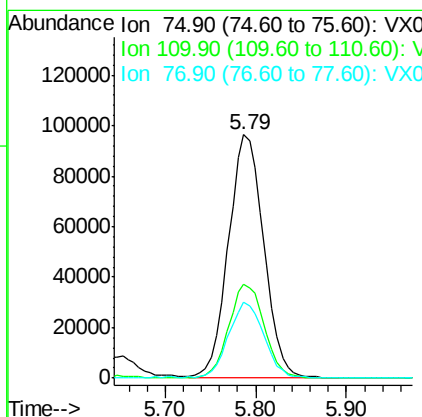
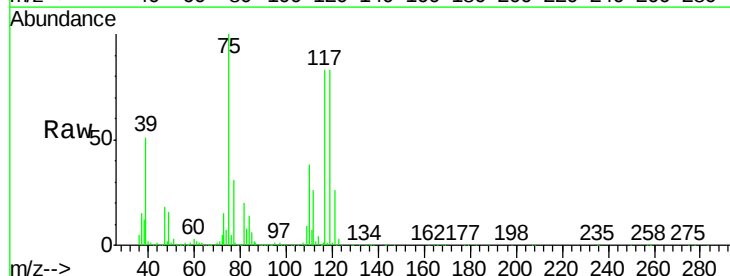
RT: 5.79 min Scan# 760

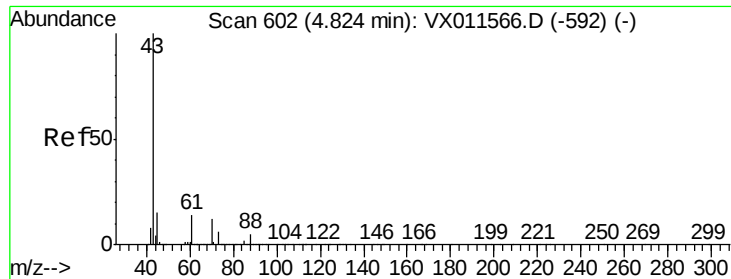
Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion:	75	Resp:	259339
Ion Ratio	Lower	Upper	
75	100		
110	39.1	19.4	58.1
77	31.2	25.1	37.7





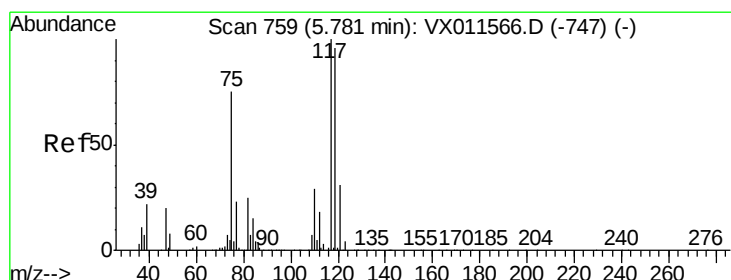
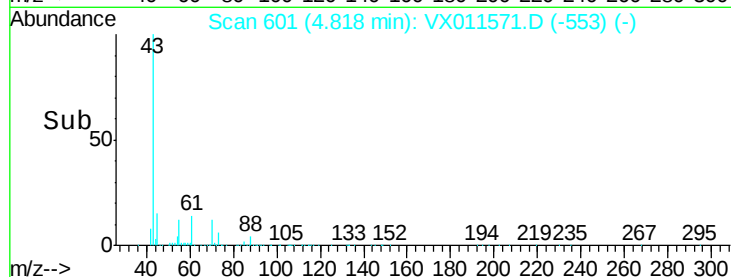
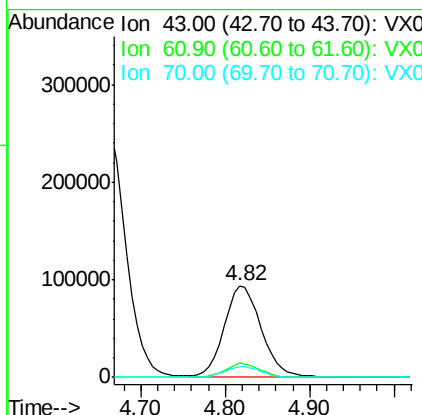
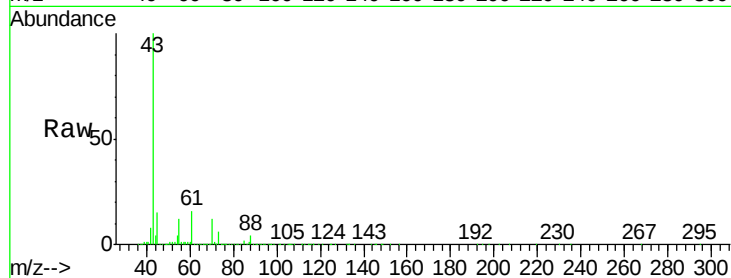
#37
Ethyl Acetate
Concen: 51.052 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	276754
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	11.5	9.0	13.6

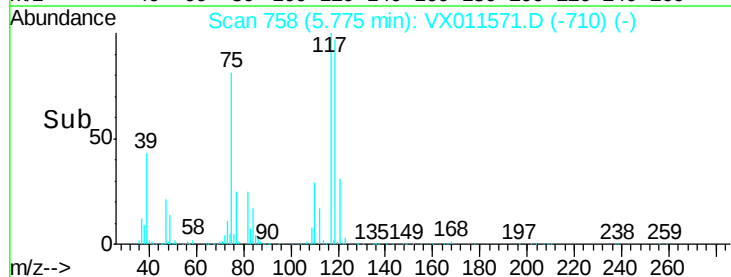
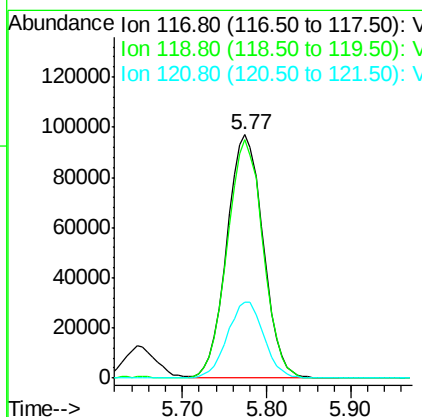
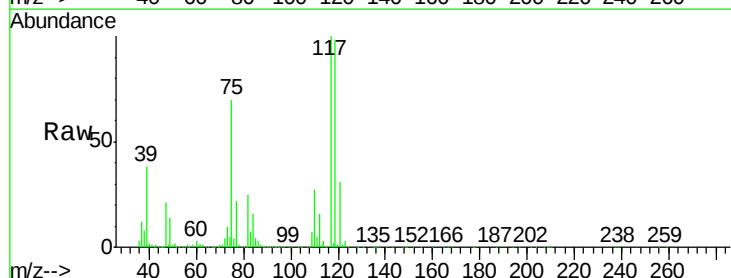
Manual Integrations
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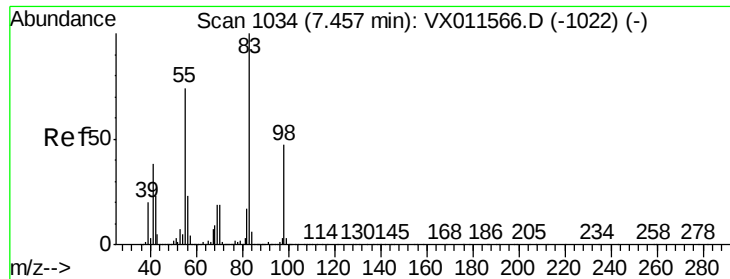
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#38
Carbon Tetrachloride
Concen: 54.504 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion:	117	Resp:	283020
Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.9	115.3
121	31.0	24.8	37.2





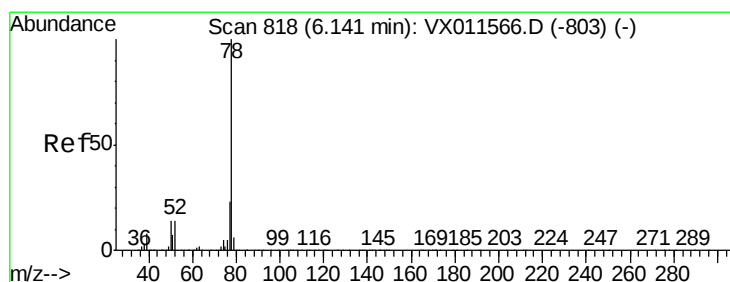
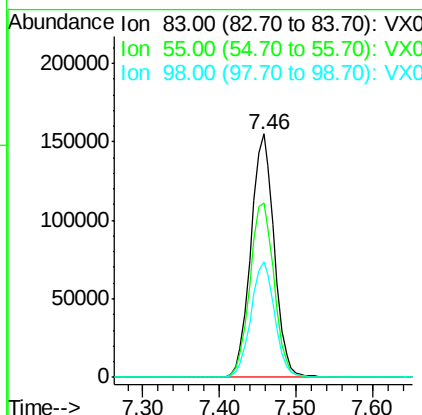
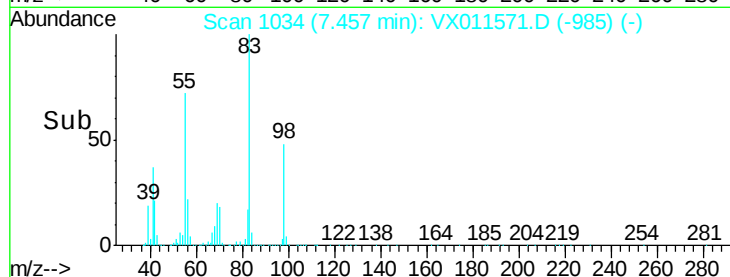
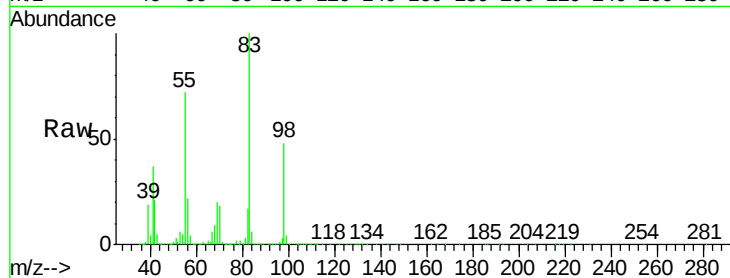
#39
Methvlcvclohexane
Concen: 56.958 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	58.8	88.2
98	47.6	37.8	56.6

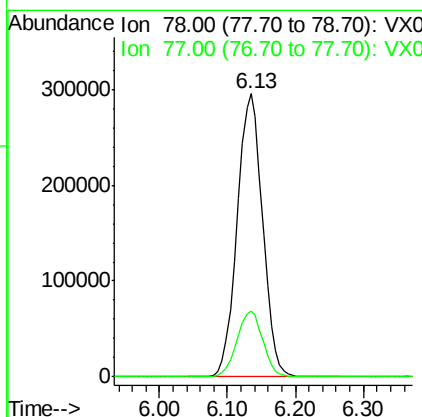
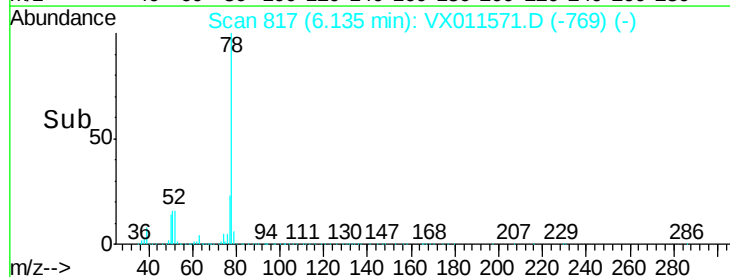
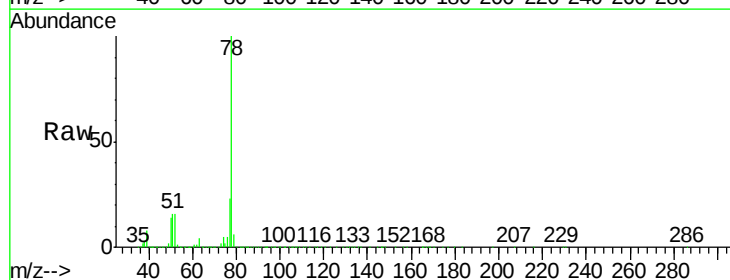
Manual Integrations
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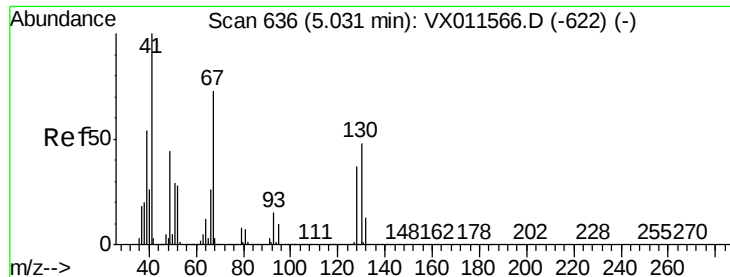
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#40
Benzene
Concen: 52.349 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





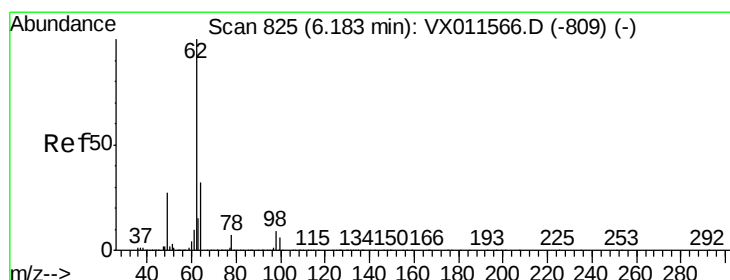
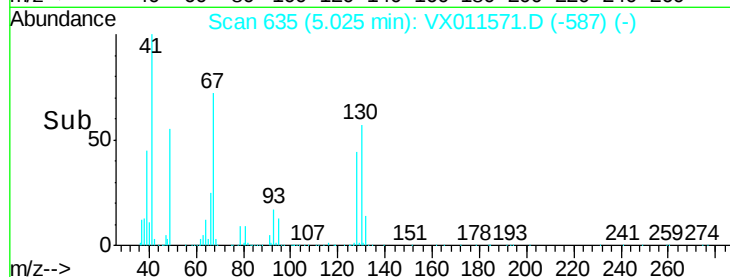
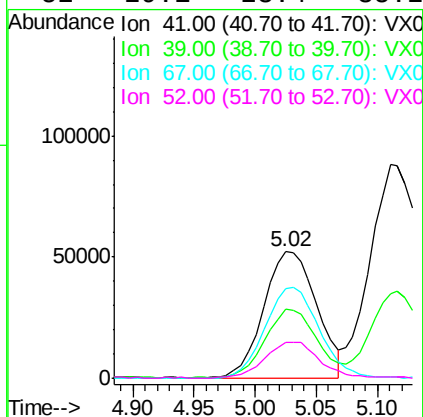
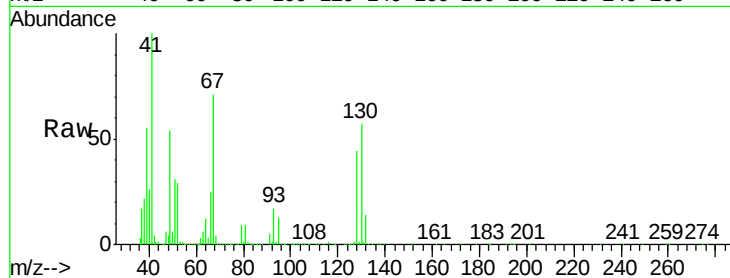
#41
Methacrylonitrile
Concen: 52.643 ug/l
RT: 5.02 min Scan# 635
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.5	65.3
67	73.7	59.4	89.2
52	29.1	23.4	35.2

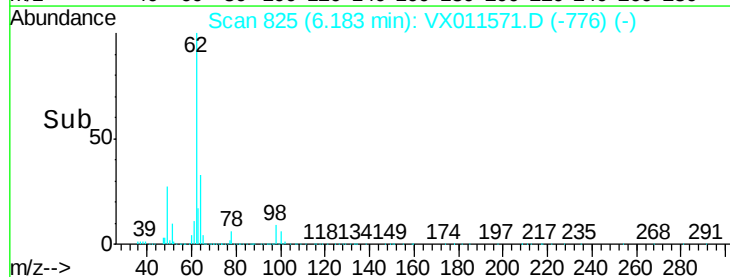
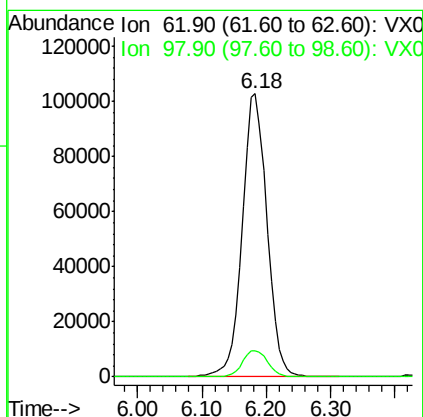
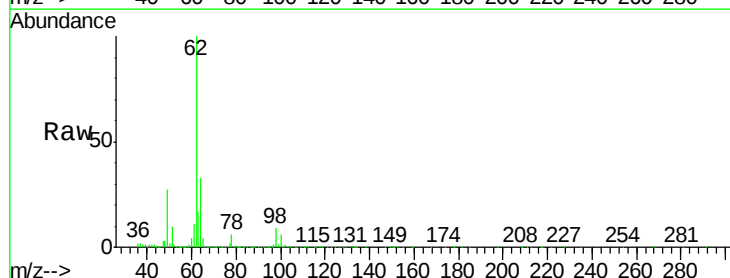
Manual Integrations
APPROVED

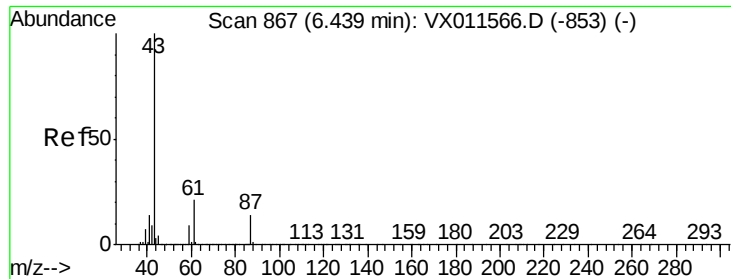
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.531 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.4





#43

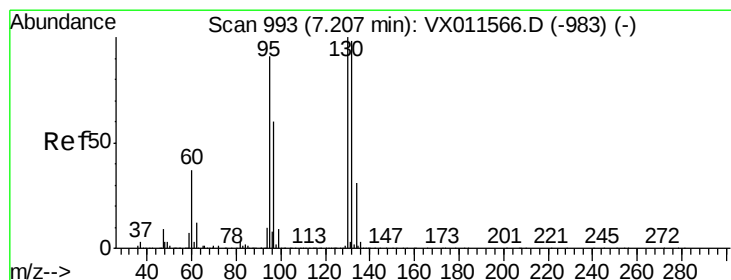
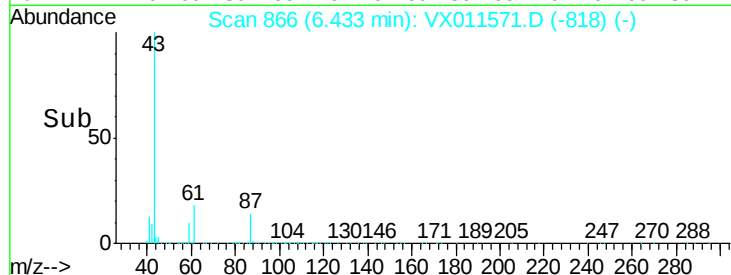
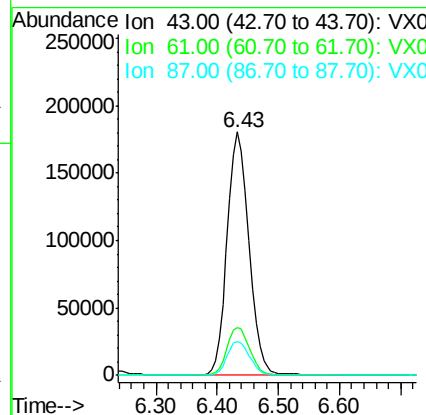
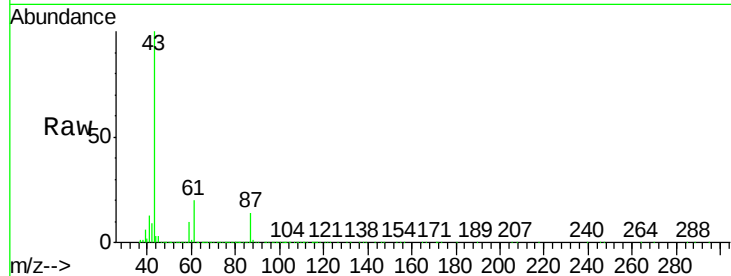
Isopropyl Acetate
 Concen: 52.601 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.6	24.8
87	14.3	11.4	17.2

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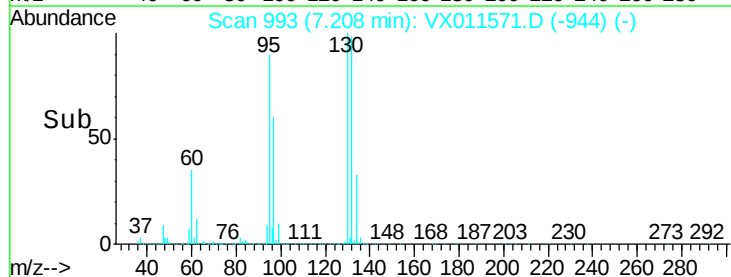
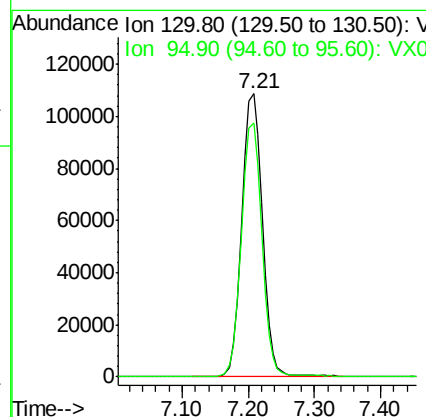
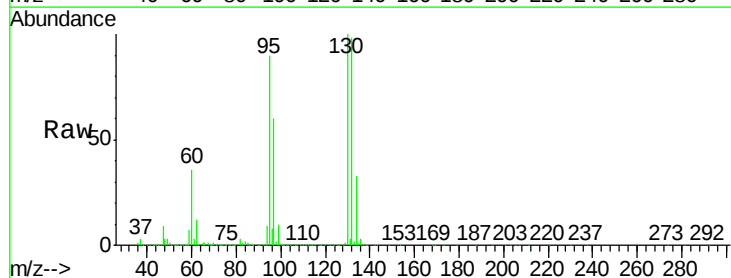
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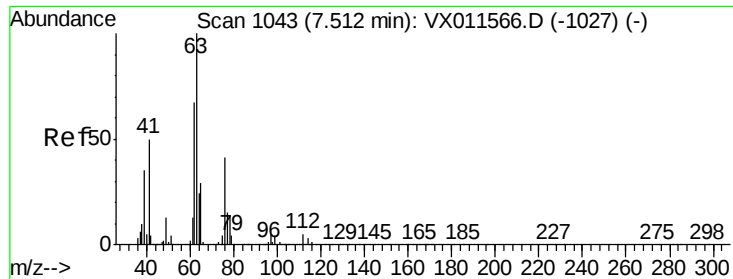


#44

Trichloroethene
 Concen: 54.163 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	181.4





#45

1,2-Dichloropropane

Concen: 54.252 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 198169

Ion Ratio Lower Upper

63 100

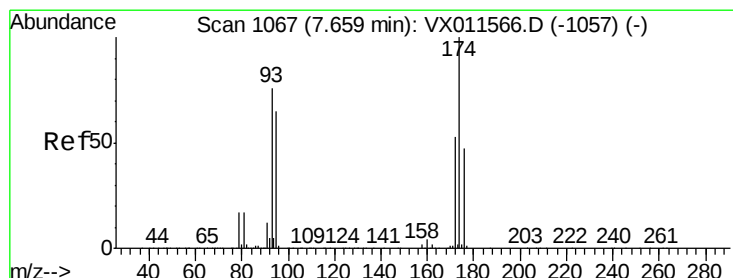
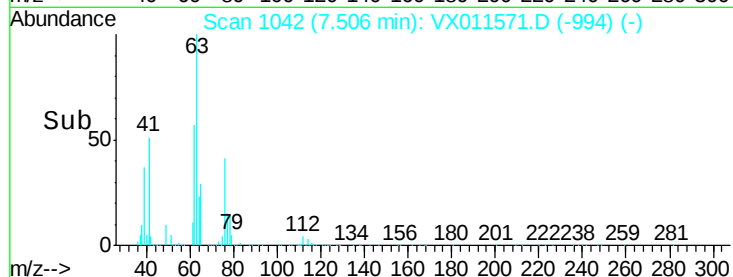
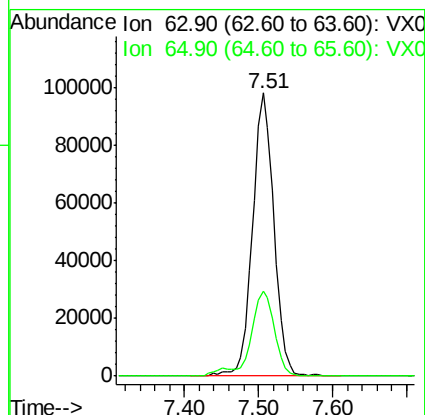
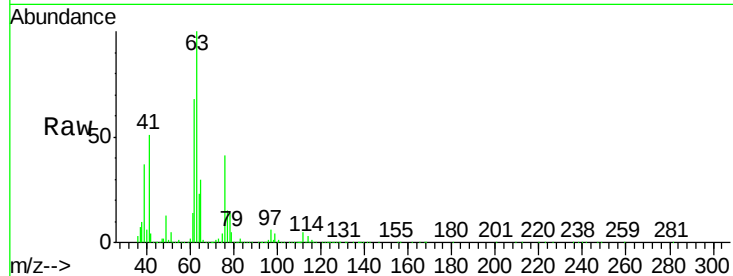
65 29.9 23.4 35.2

Manual Integrations

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#46

Dibromomethane

Concen: 51.276 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

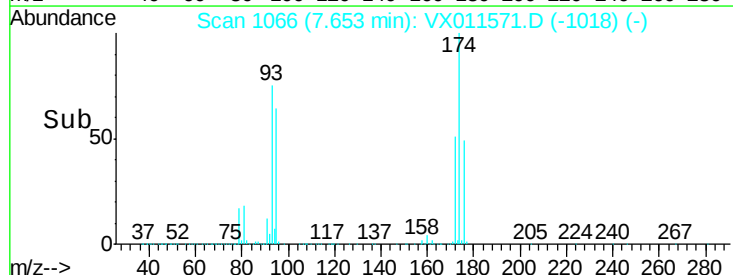
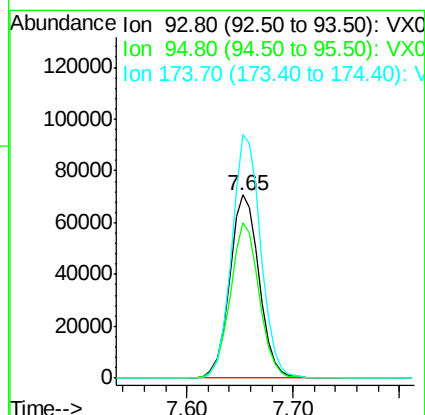
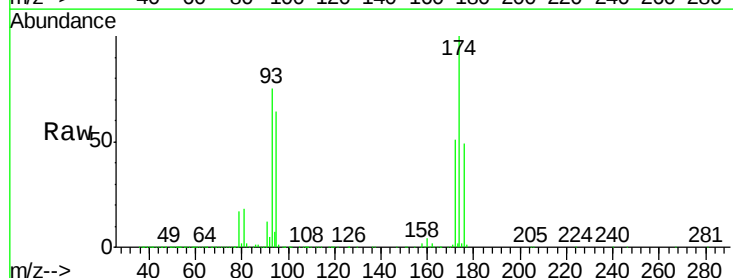
Tgt Ion: 93 Resp: 136108

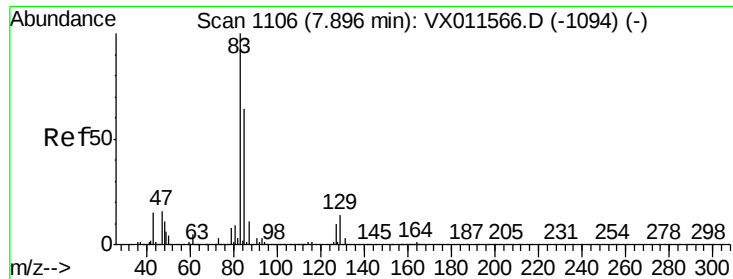
Ion Ratio Lower Upper

93 100

95 83.4 67.2 100.8

174 132.1 105.5 158.3





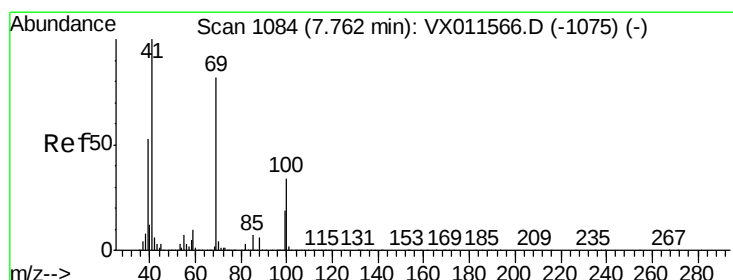
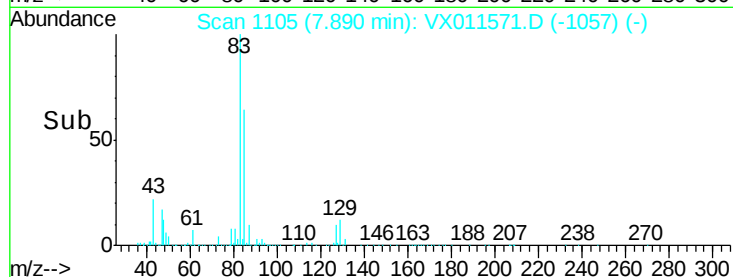
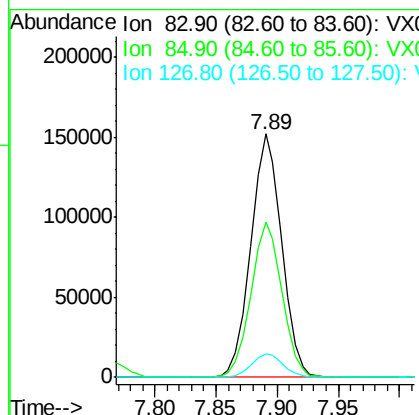
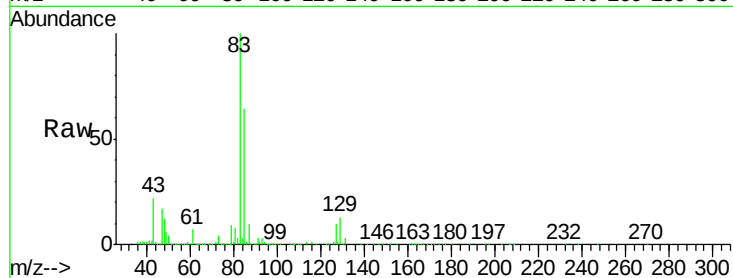
#47
Bromodichloromethane
Concen: 54.817 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	267168		
85	63.4	51.2	76.8	
127	9.8	8.1	12.1	

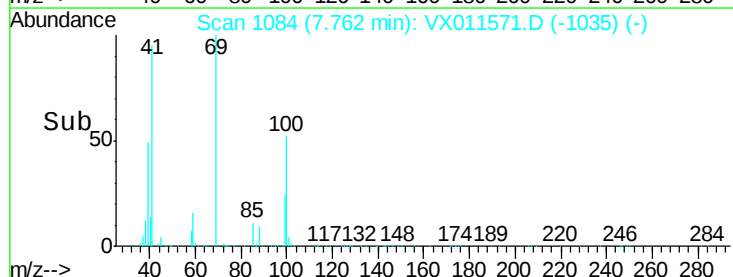
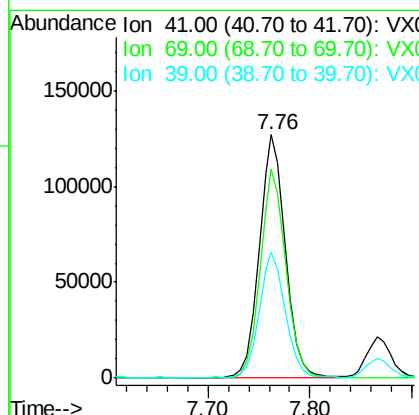
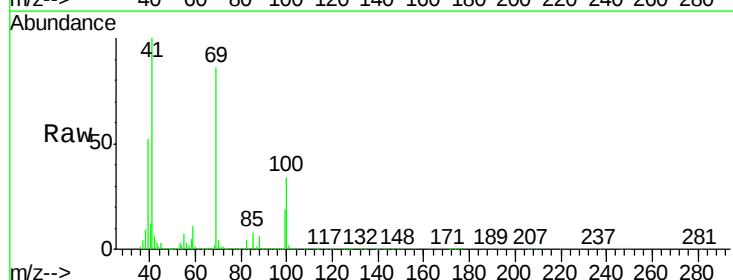
Manual Integrations
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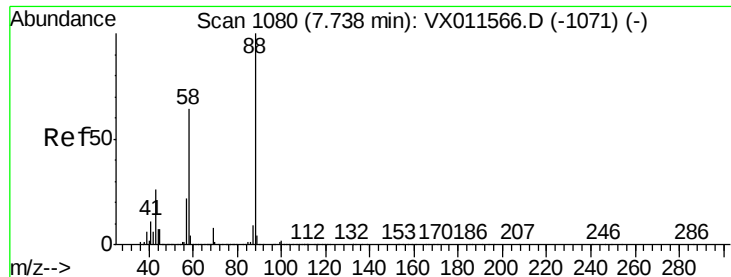
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#48
Methyl methacrylate
Concen: 53.870 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	225695		
69	84.6	67.9	101.9	
39	51.8	41.6	62.4	





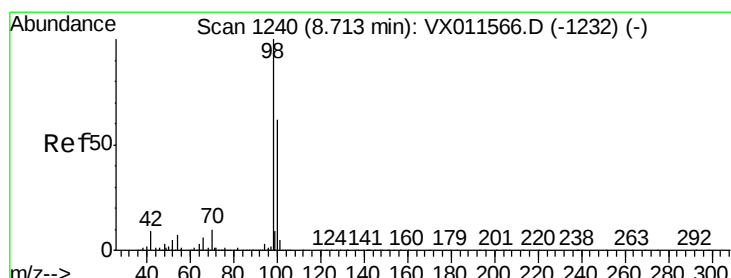
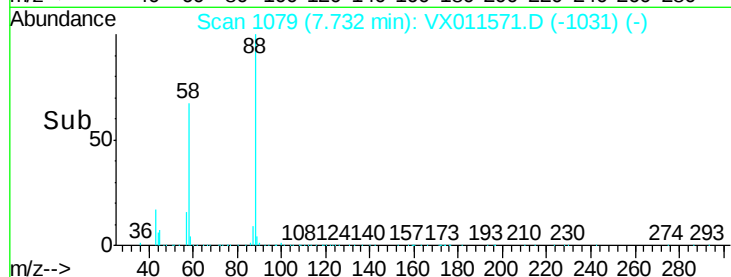
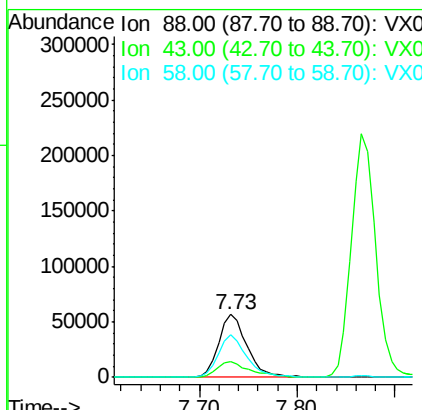
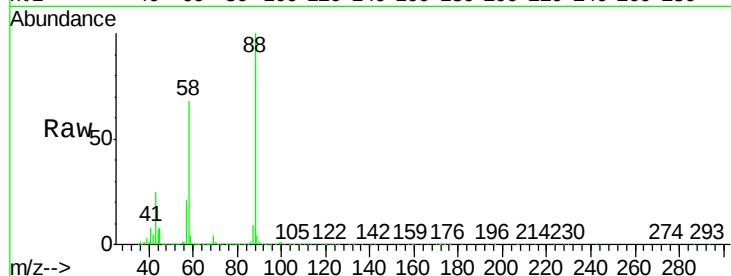
#49
1,4-Dioxane
Concen: 1015.834 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.4	35.0
58	68.5	54.3	81.5

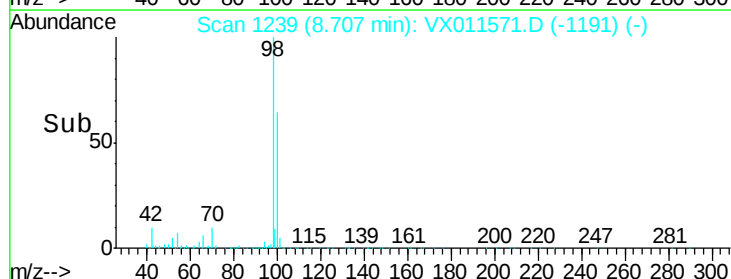
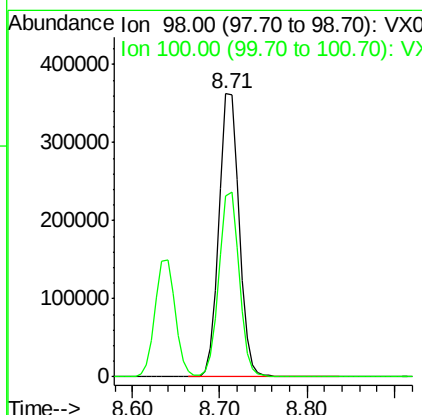
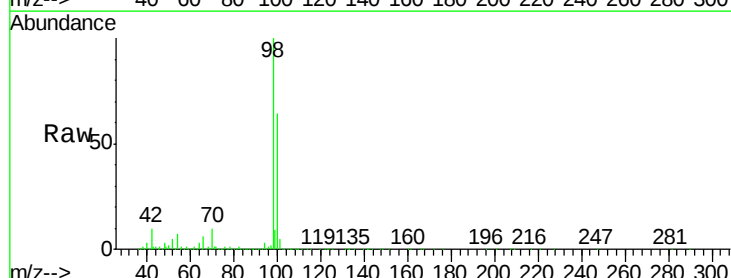
Manual Integrations
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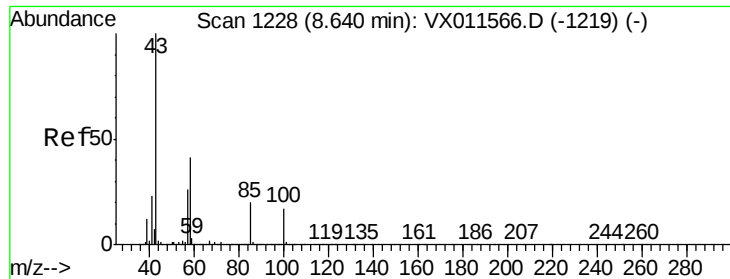
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#50
Toluene-d8
Concen: 51.421 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 260.281 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1441313

Ion Ratio Lower Upper

43 100

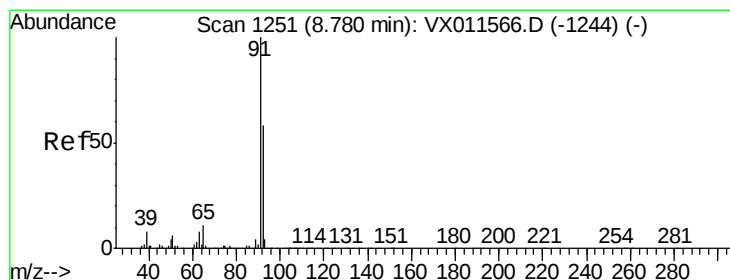
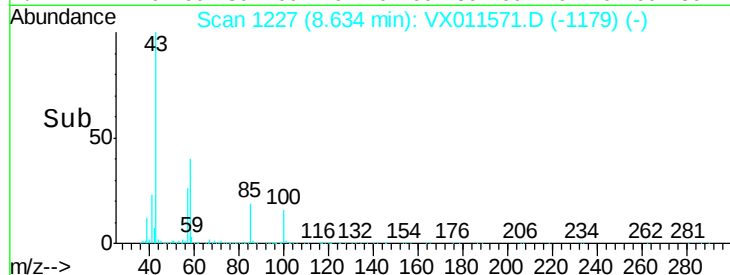
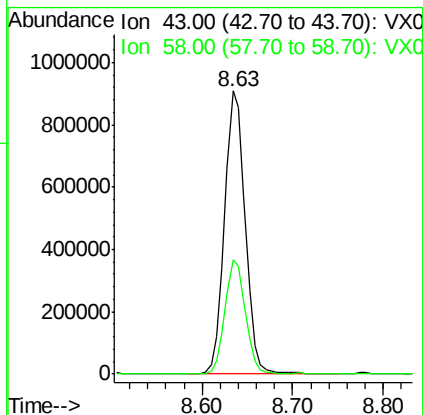
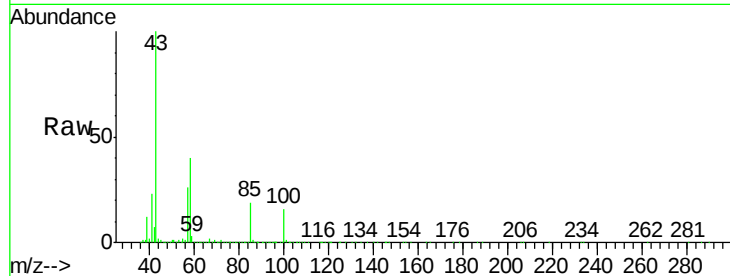
58 40.0 31.8 47.6

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#52

Toluene

Concen: 53.065 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011571.D

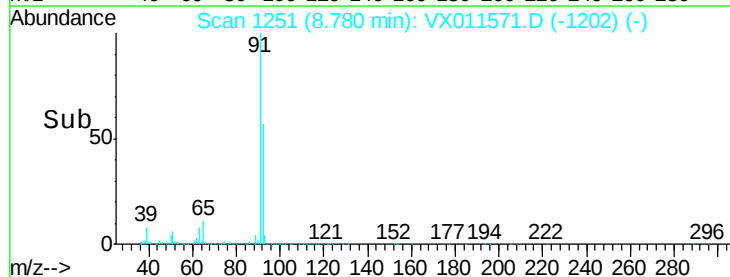
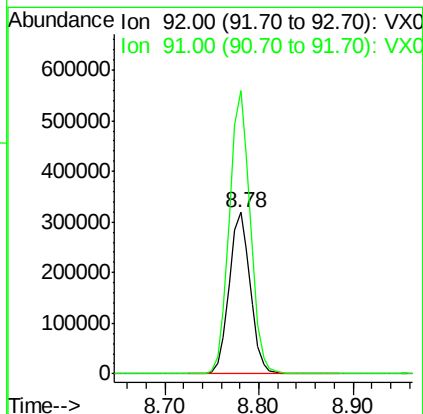
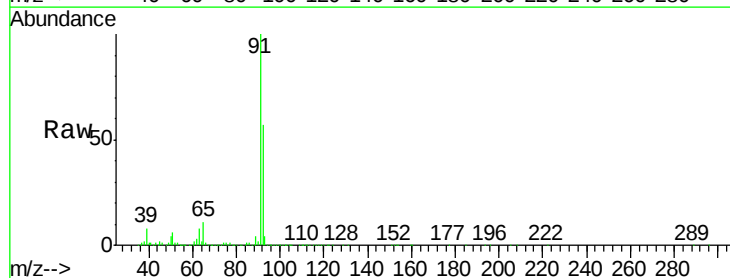
Acq: 16 Aug 2019 10:46

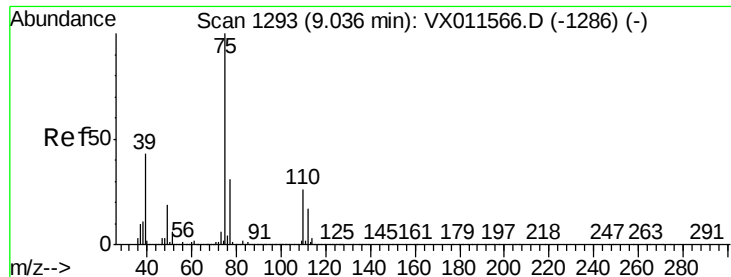
Tgt Ion: 92 Resp: 495156

Ion Ratio Lower Upper

92 100

91 174.6 138.0 207.0





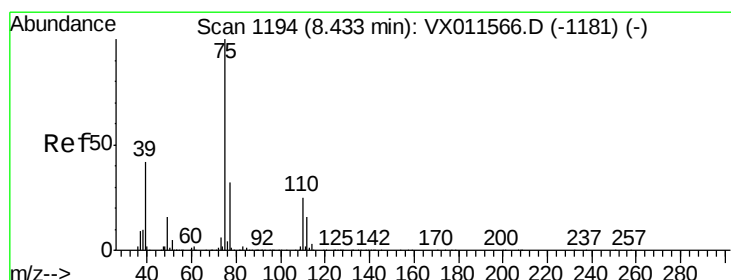
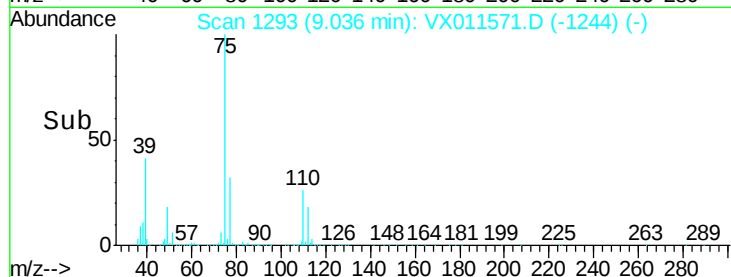
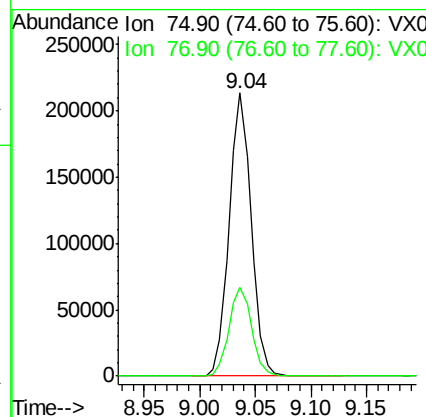
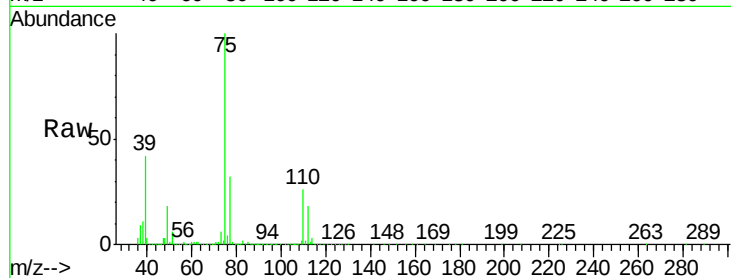
#53
t-1,3-Dichloropropene
Concen: 57.913 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7

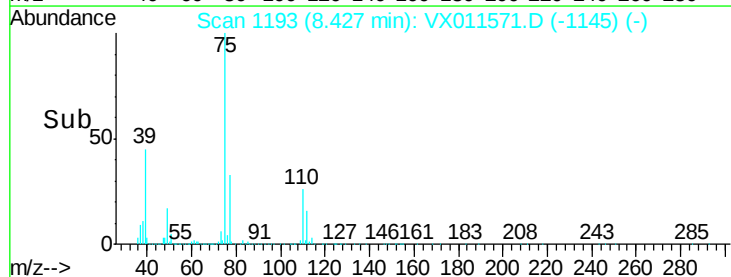
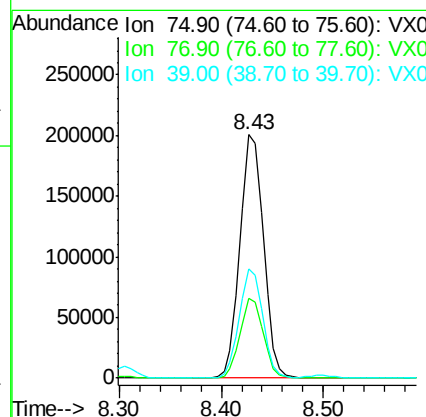
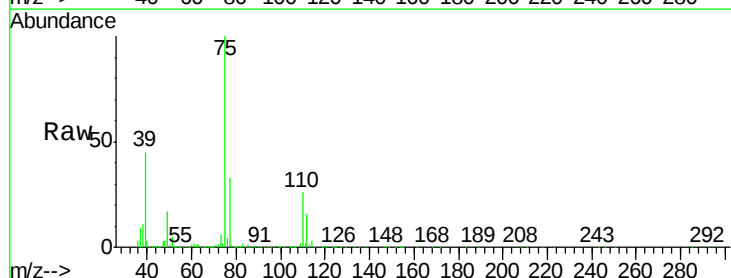
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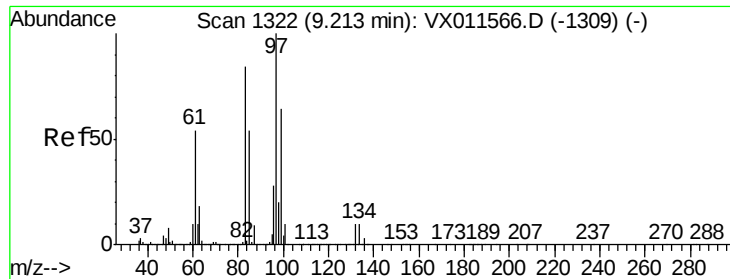
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#54
cis-1,3-Dichloropropene
Concen: 57.770 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.5	38.3
39	44.9	33.6	50.4





#55

1,1,2-Trichloroethane

Concen: 52.208 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

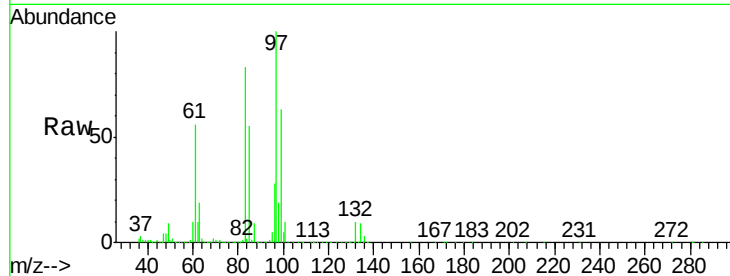
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		207166		
83	83.1	67.4	101.0		
85	54.7	43.4	65.2		
99	62.8	51.1	76.7		

Manual Integrations
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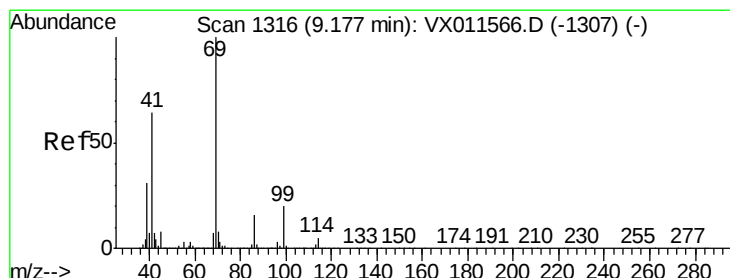
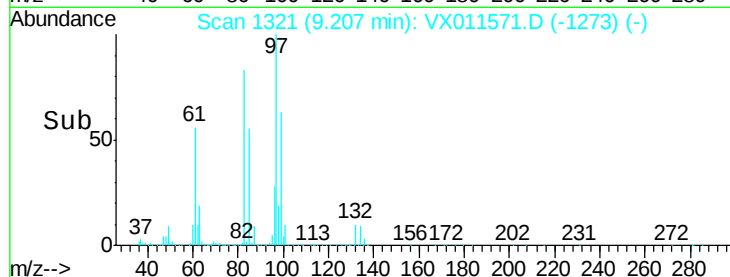
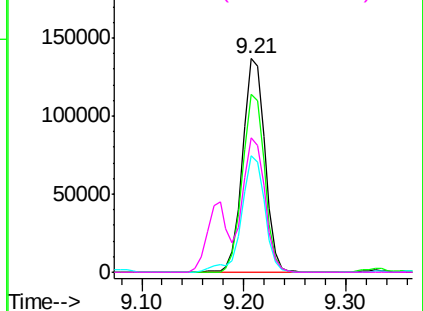
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 55.098 ug/l

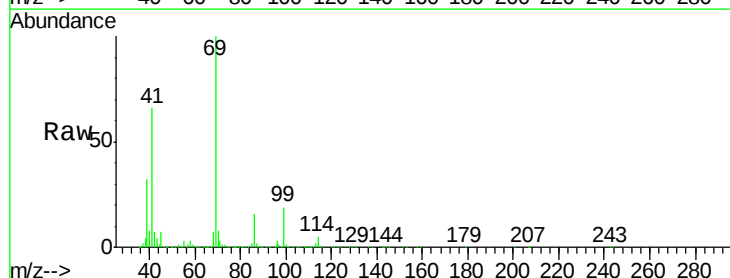
RT: 9.17 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		317768		
41	65.1	52.1	78.1		
39	31.6	25.4	38.0		

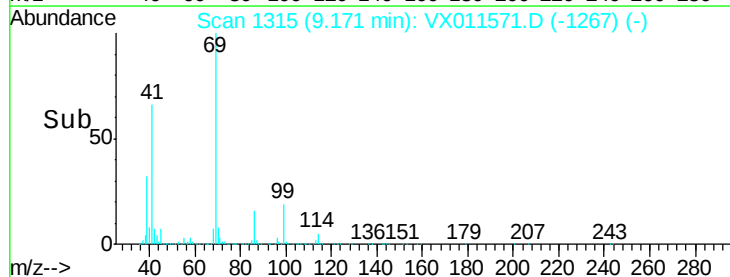
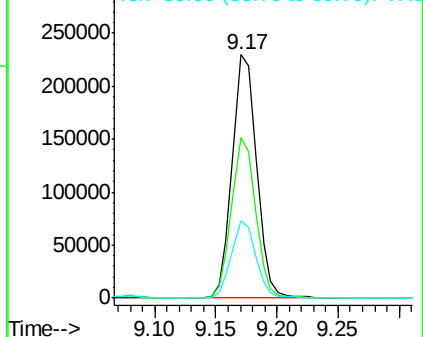


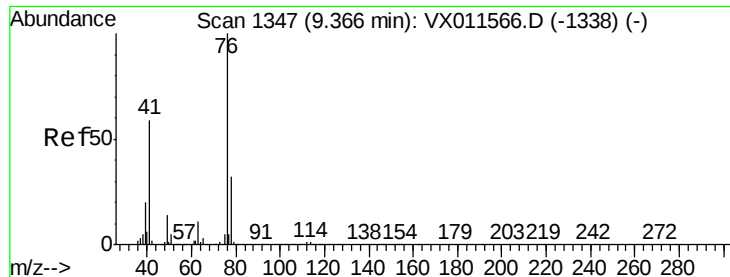
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 52.887 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 333589

Ion Ratio Lower Upper

76 100

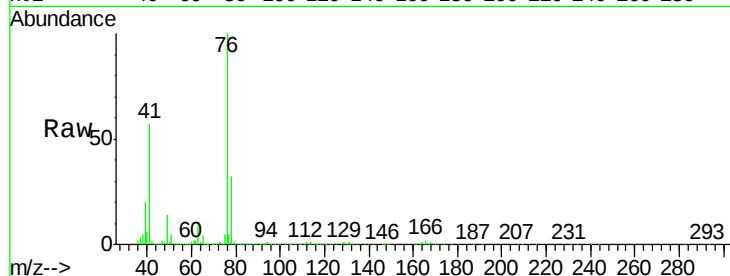
78 32.3 26.2 39.4

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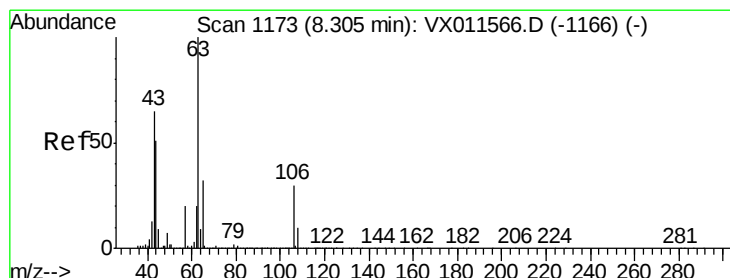
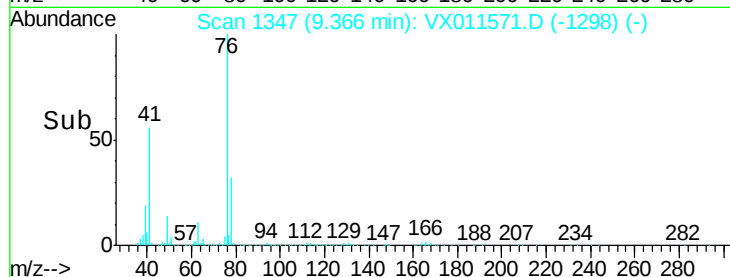
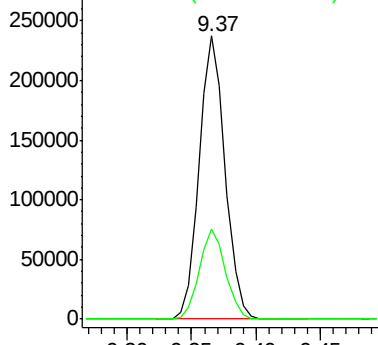
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 257.775 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011571.D

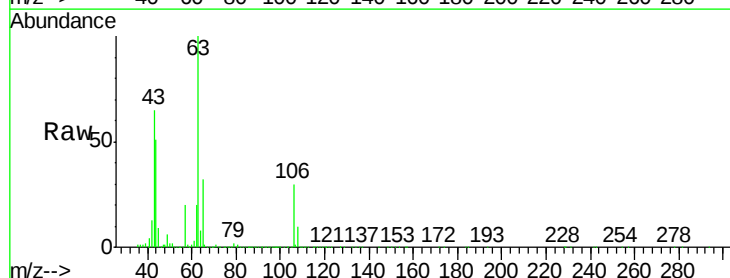
Acq: 16 Aug 2019 10:46

Tgt Ion: 63 Resp: 740758

Ion Ratio Lower Upper

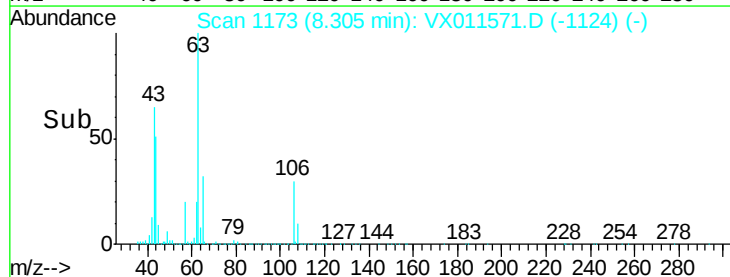
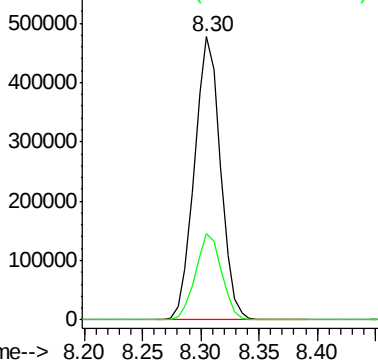
63 100

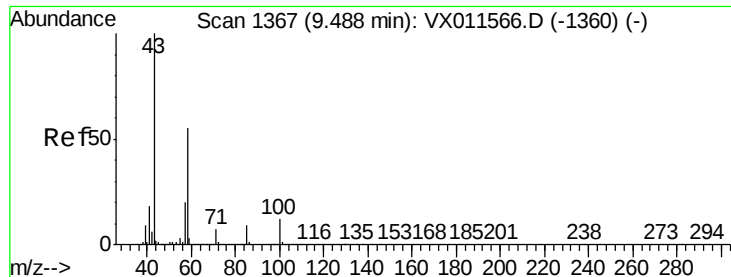
106 30.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





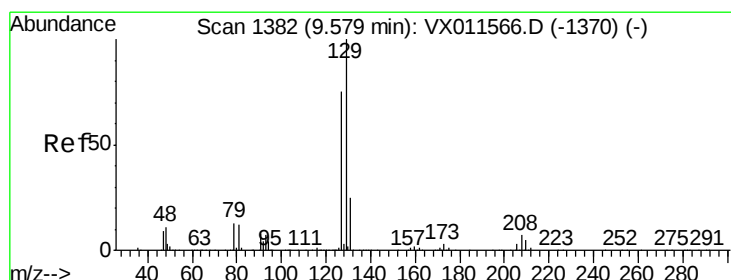
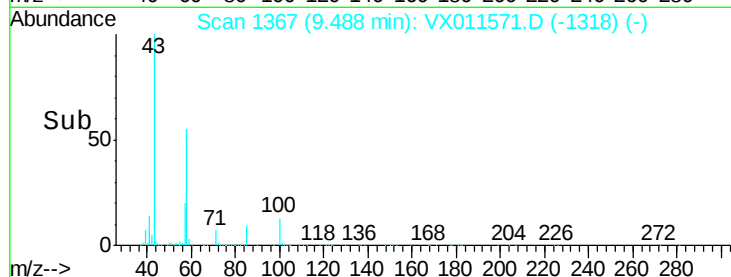
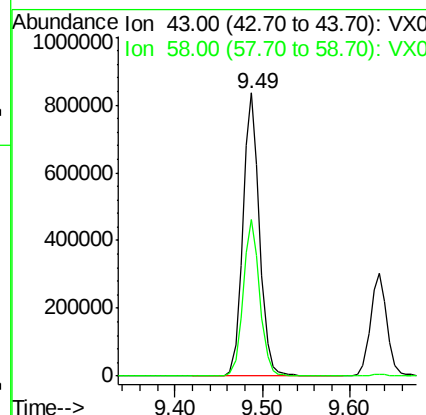
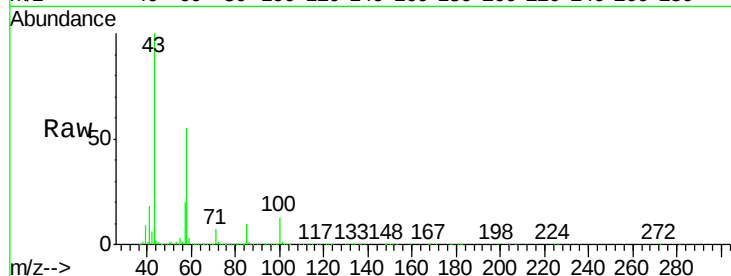
#59
2-Hexanone
Concen: 259.944 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1110040
Ion Ratio Lower Upper
43 100
58 55.3 27.5 82.4

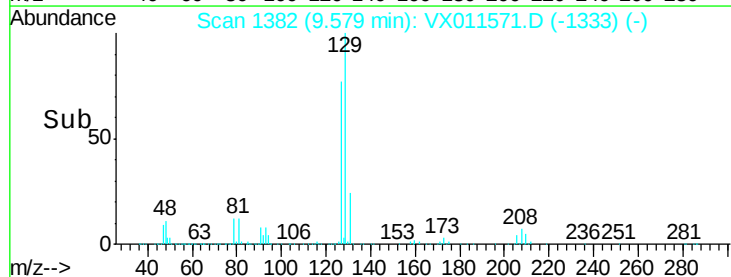
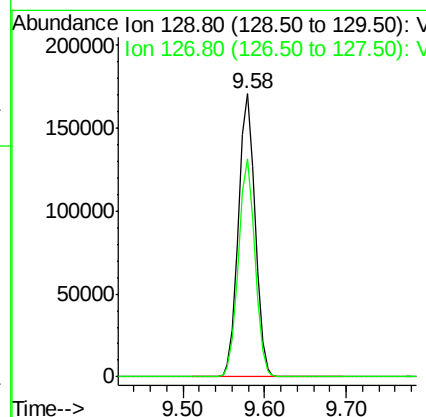
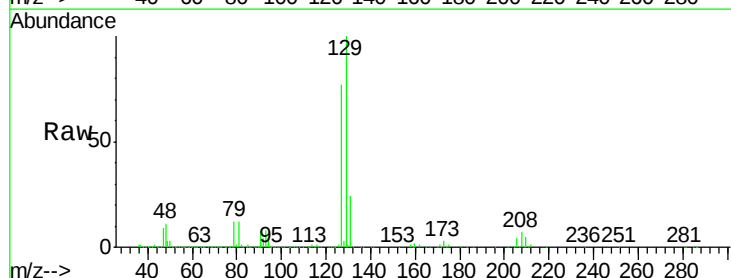
Manual Integrations
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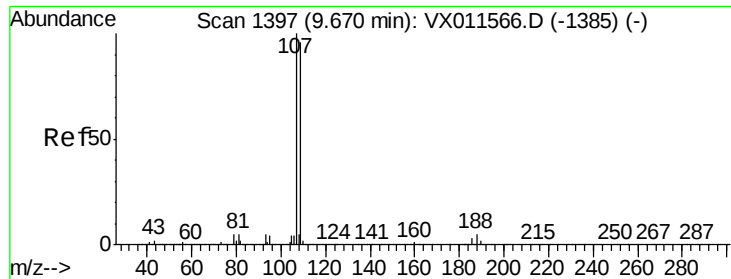
MMDadoda
8/19/2019 10:29:44 AM



#60
Dibromochloromethane
Concen: 57.705 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion: 129 Resp: 238571
Ion Ratio Lower Upper
129 100
127 75.9 38.0 114.1





#61

1,2-Dibromoethane

Concen: 53.043 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 224631

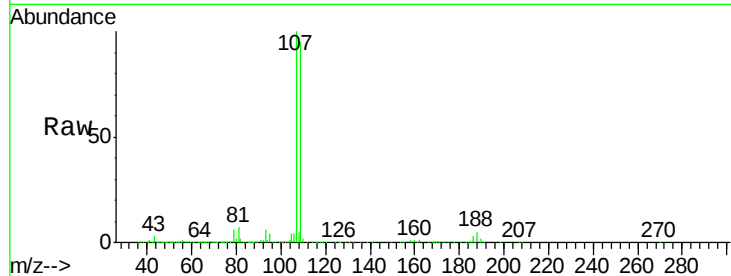
Ion Ratio Lower Upper

107 100

109 95.0 76.2 114.2

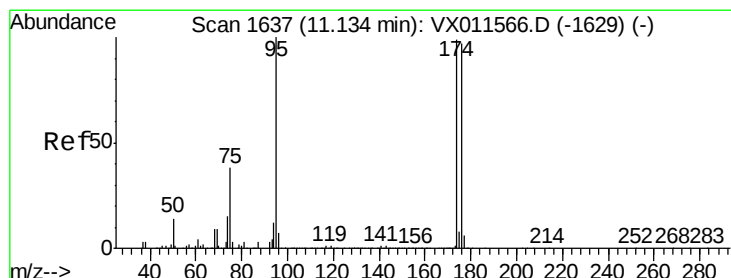
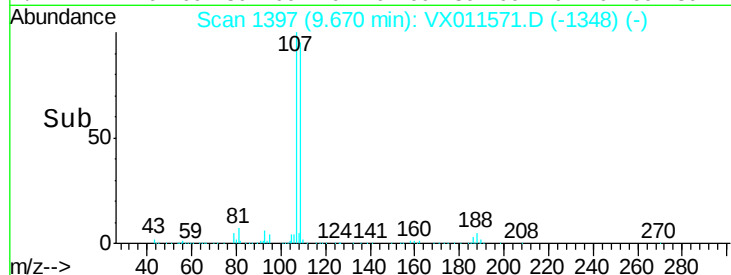
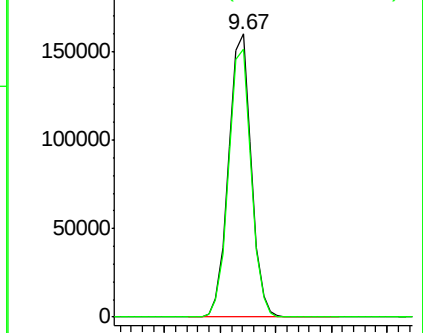
Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:29:44 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.101 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

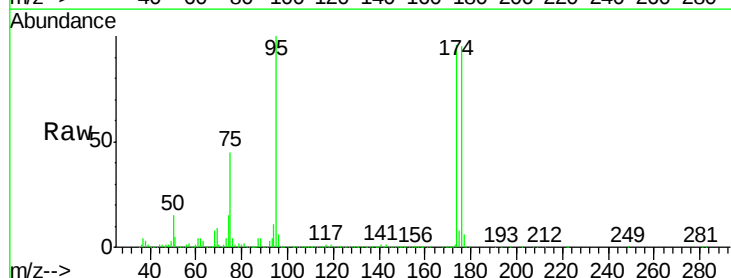
Tgt Ion: 95 Resp: 242314

Ion Ratio Lower Upper

95 100

174 98.9 0.0 200.6

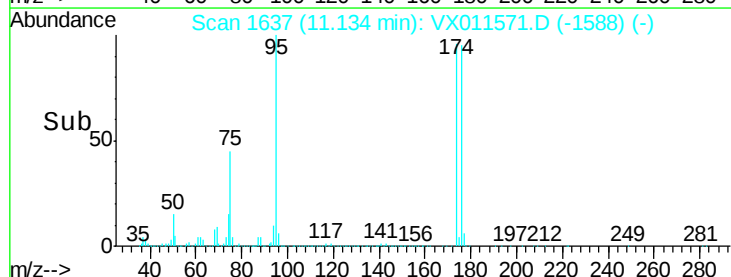
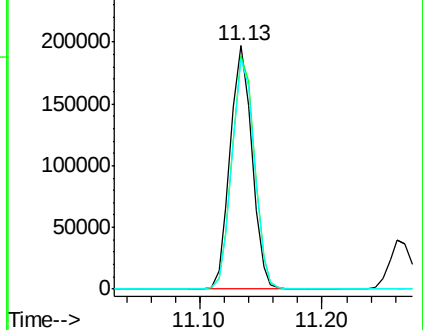
176 97.1 0.0 196.6

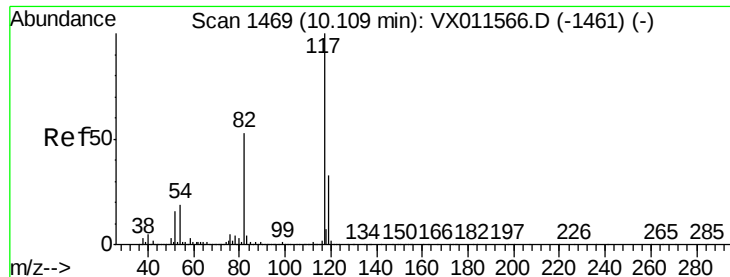


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





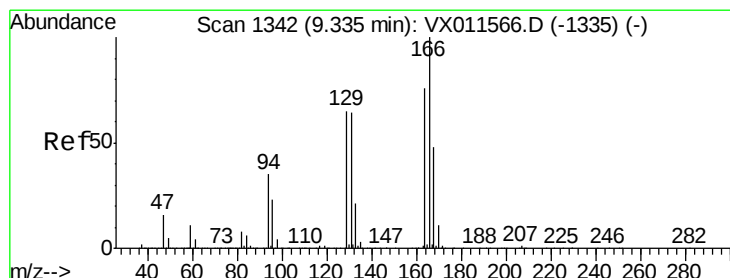
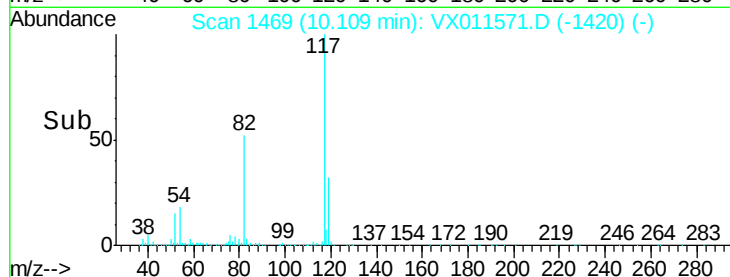
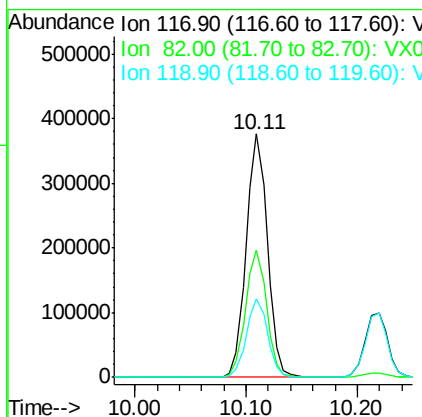
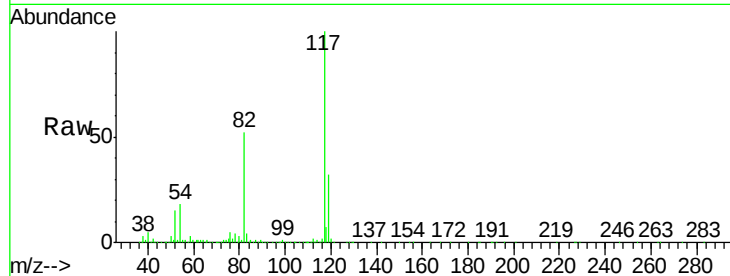
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	498347		
82	52.0	42.0	63.0	
119	32.3	26.5	39.7	

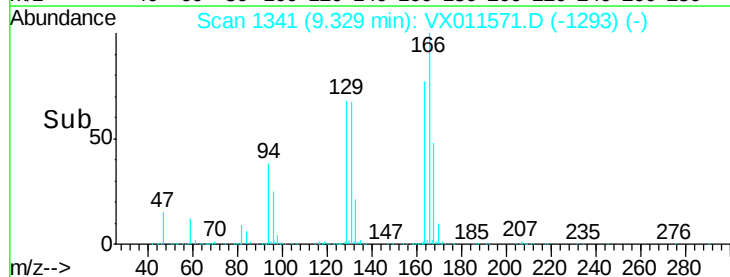
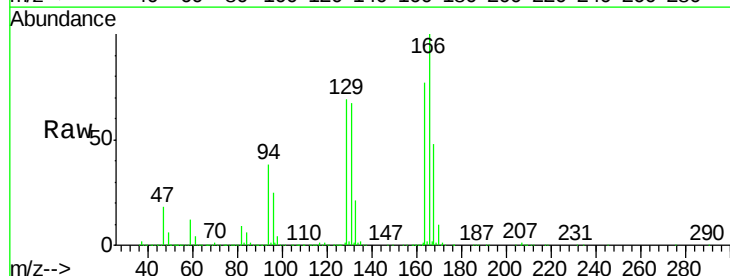
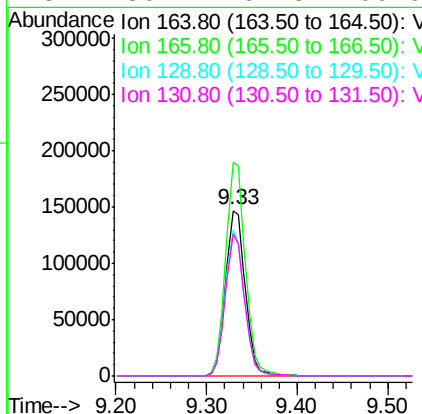
Manual Integrations
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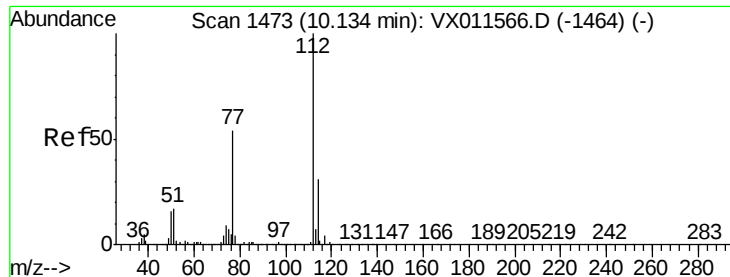
MMDadoda
8/19/2019 10:29:44 AM



#64
Tetrachloroethene
Concen: 54.537 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	222995		
166	129.2	104.7	157.1	
129	88.5	68.2	102.4	
131	86.1	67.3	100.9	





#65

Chlorobenzene

Concen: 53.401 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 567613

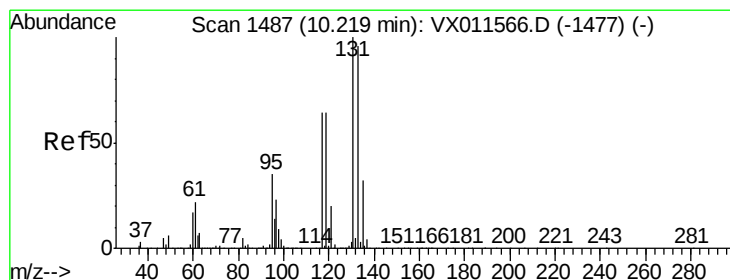
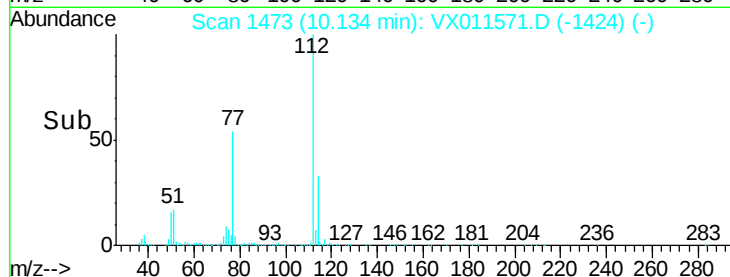
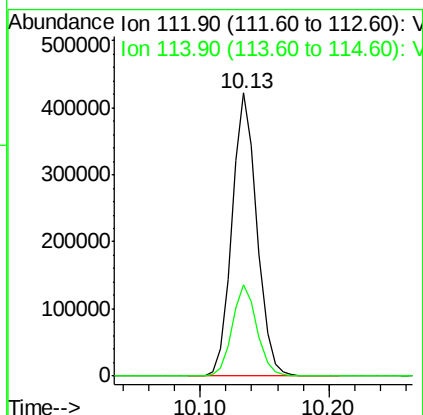
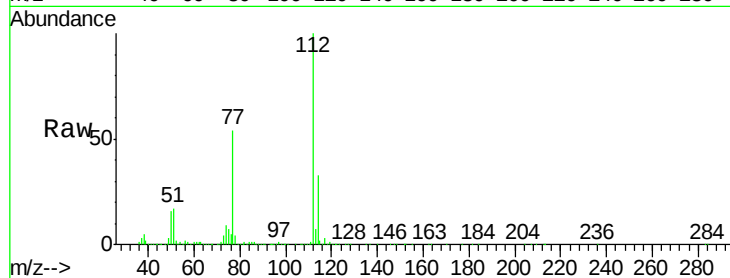
Ion Ratio Lower Upper

112 100

114 32.5 25.0 37.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 55.595 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

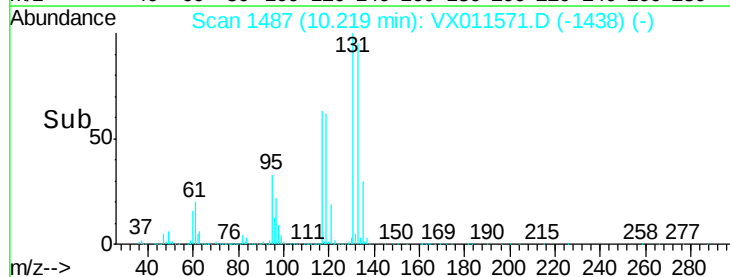
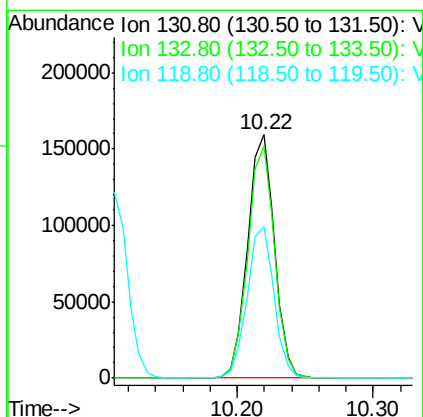
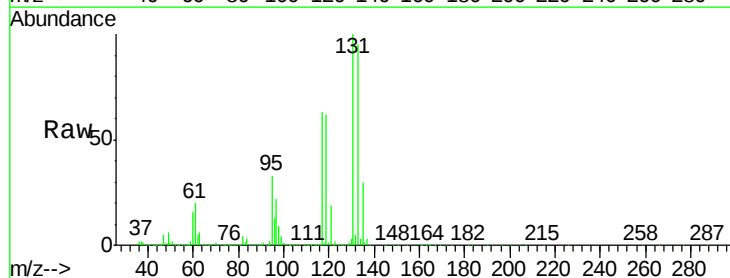
Tgt Ion:131 Resp: 220873

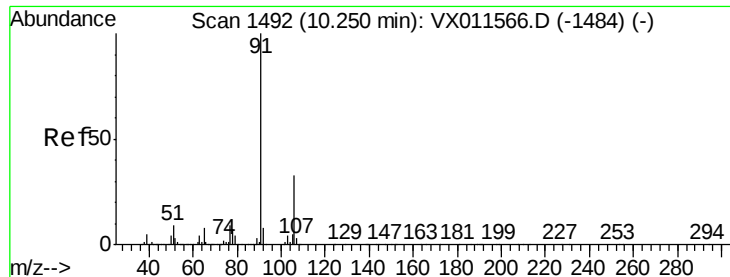
Ion Ratio Lower Upper

131 100

133 95.0 48.1 144.4

119 62.5 31.3 93.8





#67

Ethyl Benzene

Concen: 54.736 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 970982

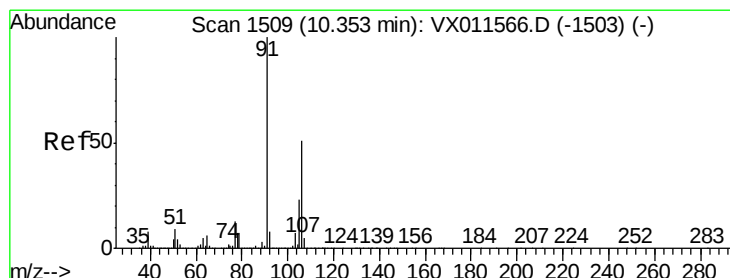
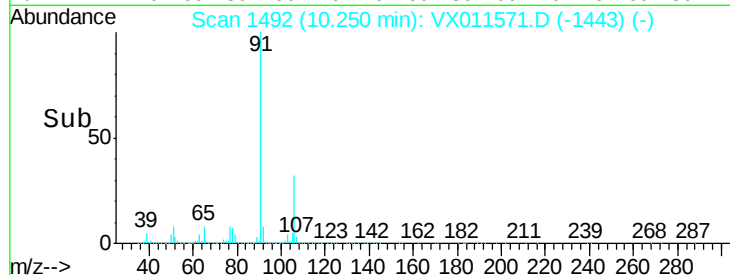
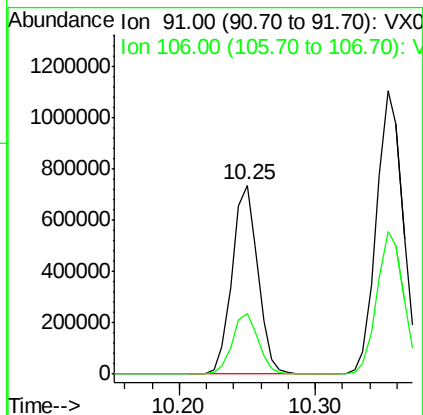
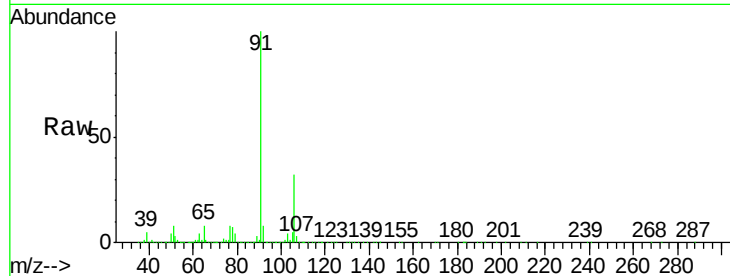
Ion Ratio Lower Upper

91 100

106 32.3 26.0 39.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 111.378 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011571.D

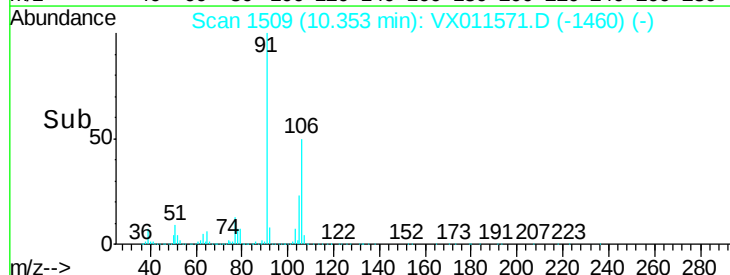
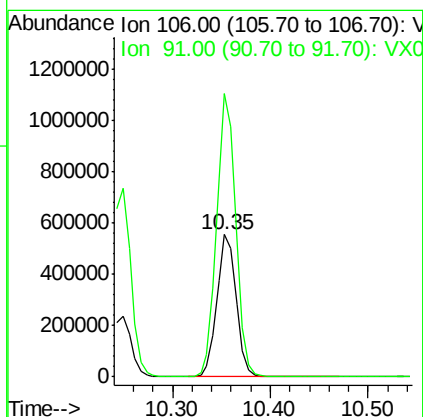
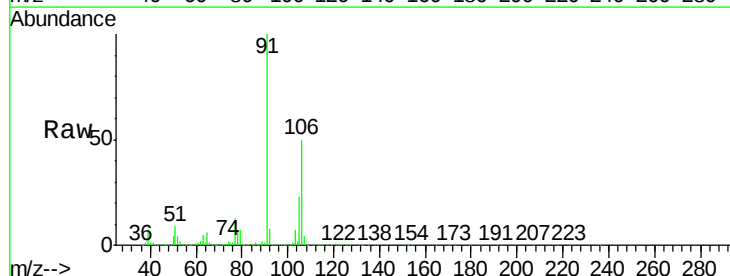
Acq: 16 Aug 2019 10:46

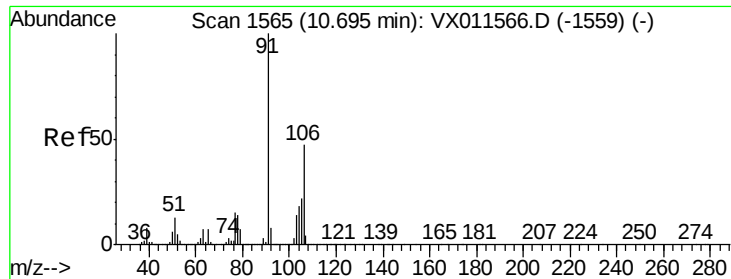
Tgt Ion: 106 Resp: 758403

Ion Ratio Lower Upper

106 100

91 197.5 156.0 234.0





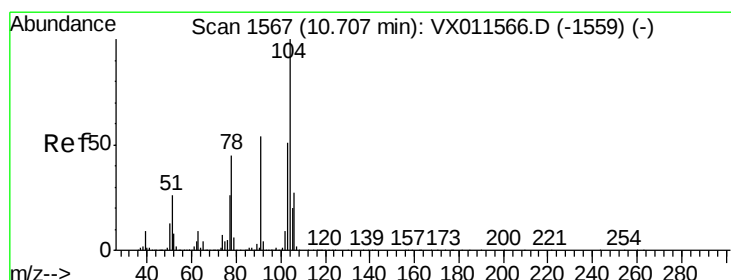
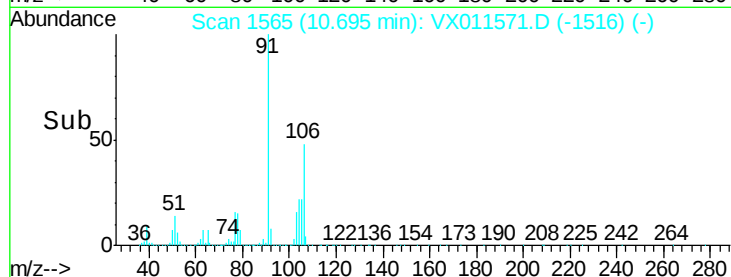
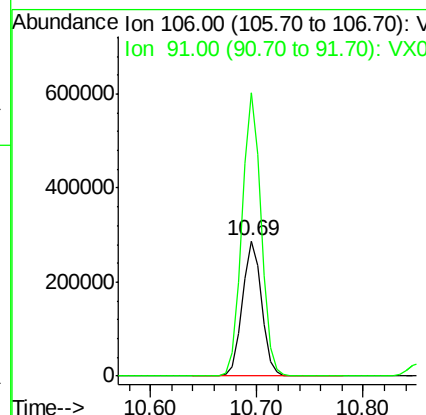
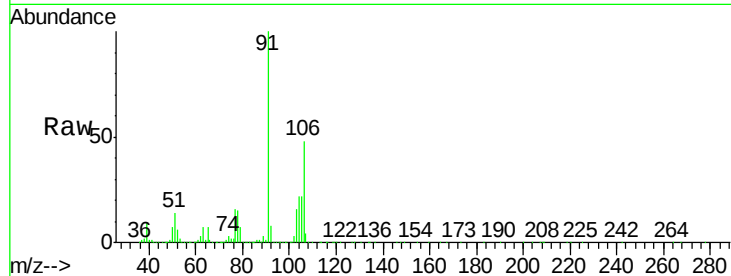
#69
o-Xylene
Concen: 55.010 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.8	105.5	316.4

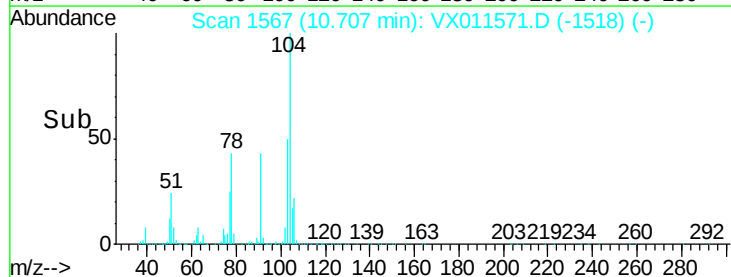
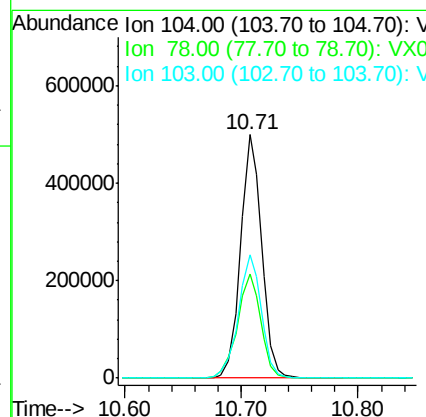
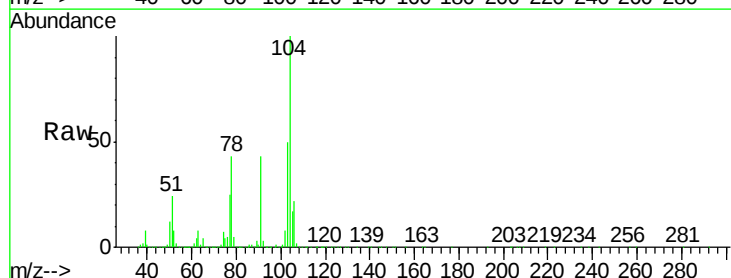
Manual Integrations
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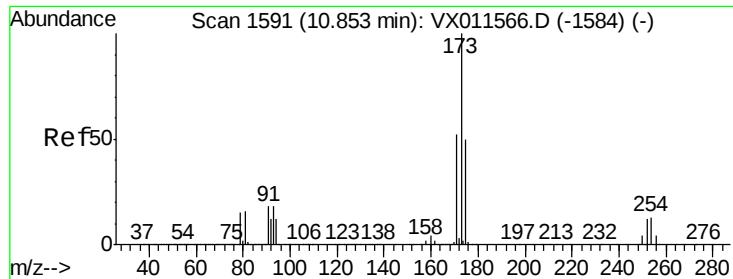
MMDadoda
8/19/2019 10:29:44 AM



#70
Styrene
Concen: 56.411 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.2	57.4
103	55.1	43.6	65.4





#71

Bromoform

Concen: 49.982 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

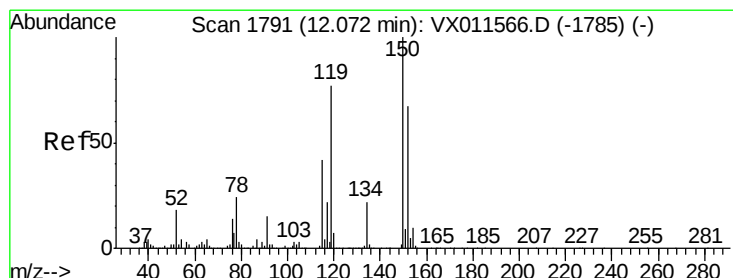
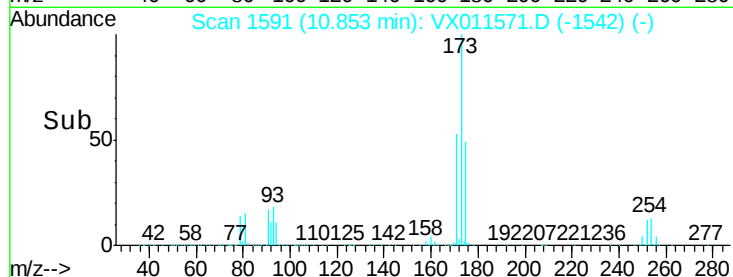
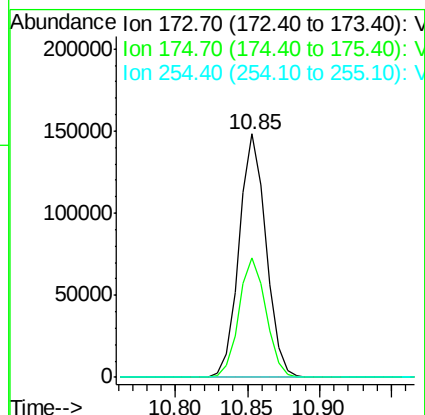
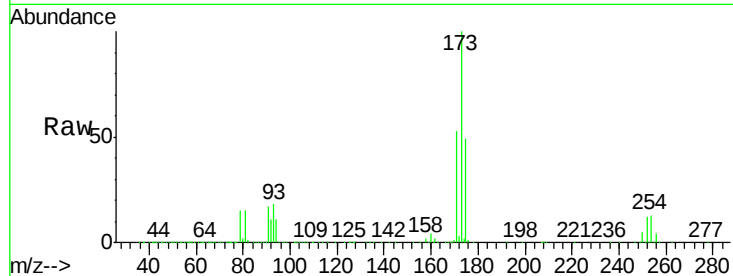
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	192960
Ion Ratio	Lower	Upper	
173	100		
175	49.6	24.9	74.7
254	0.2	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

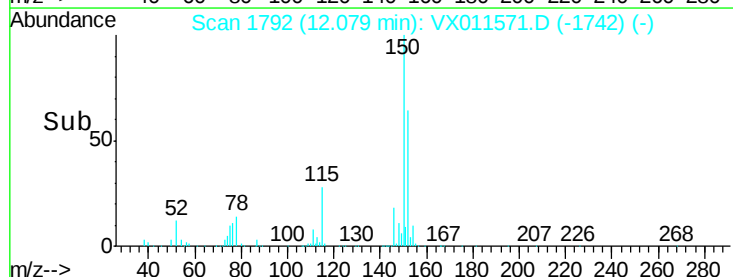
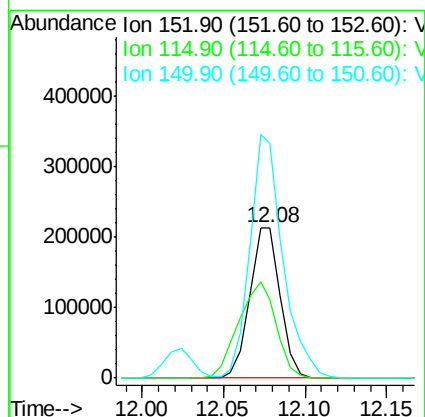
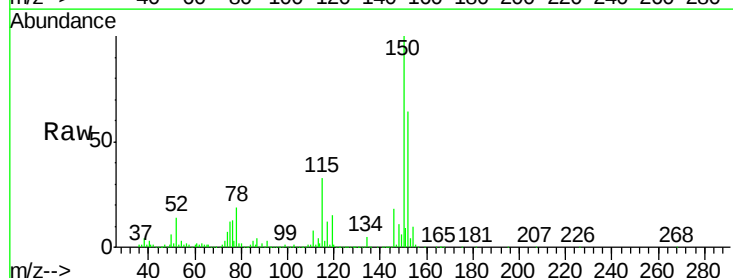
RT: 12.08 min Scan# 1792

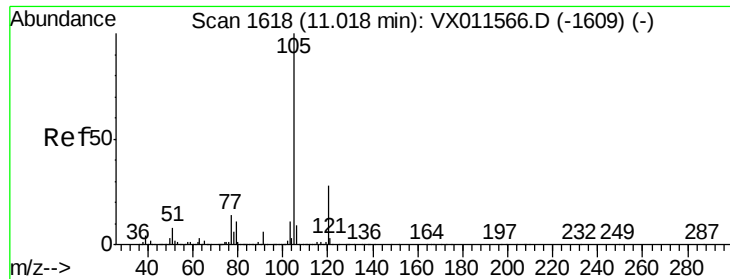
Delta R.T. 0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion:	152	Resp:	276539
Ion Ratio	Lower	Upper	
152	100		
115	79.0	37.3	111.9
150	175.8	0.0	346.2





#73

Isopropylbenzene

Concen: 55.295 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 992229

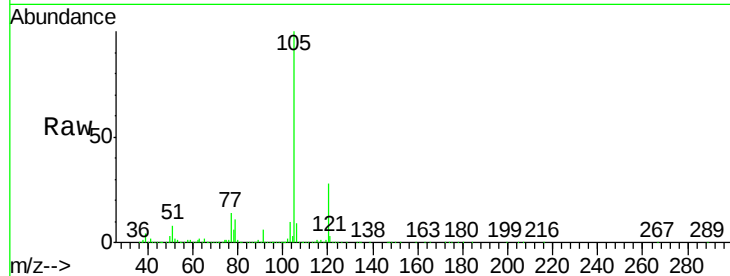
Ion Ratio Lower Upper

105 100

120 27.7 14.0 41.9

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

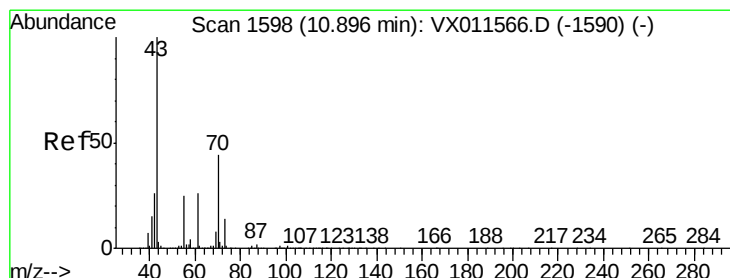
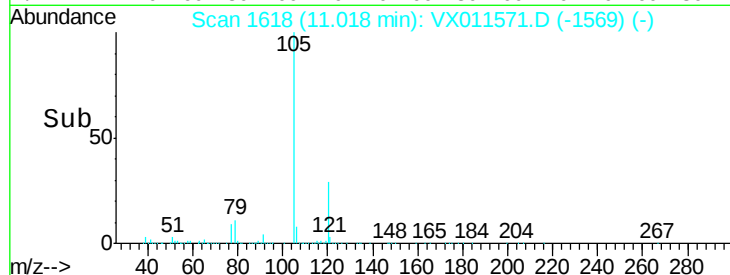
0

11.02

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 53.218 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion: 43 Resp: 405826

Ion Ratio Lower Upper

43 100

70 43.1 34.7 52.1

55 24.6 19.6 29.4

61 24.8 19.9 29.9

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

500000

400000

300000

200000

100000

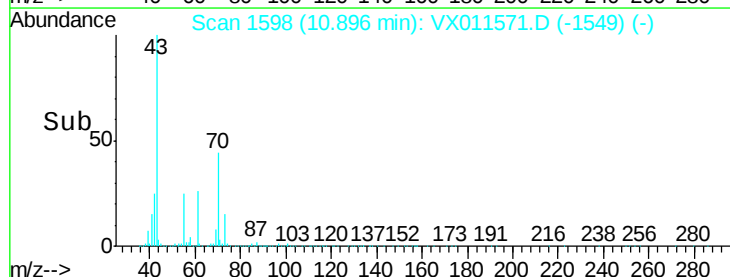
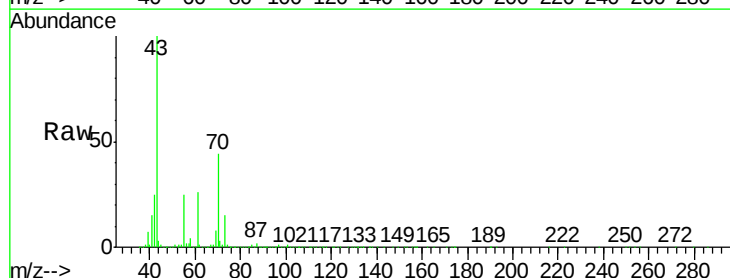
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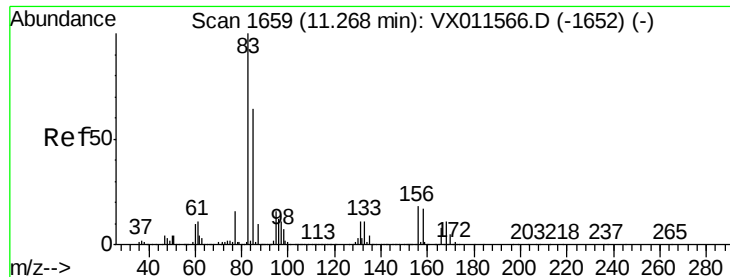
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.683 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

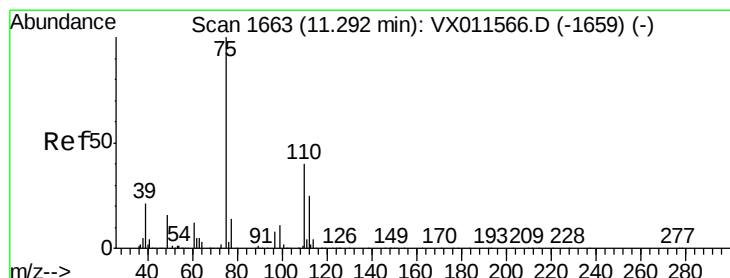
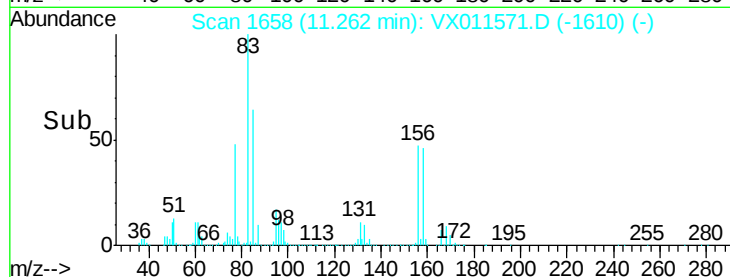
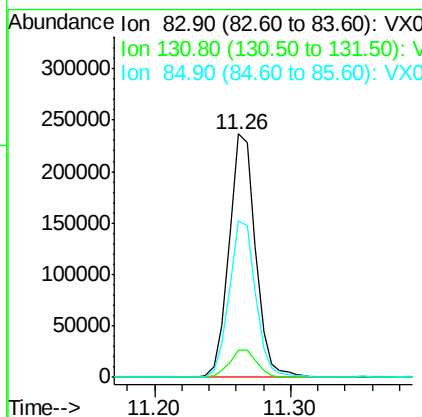
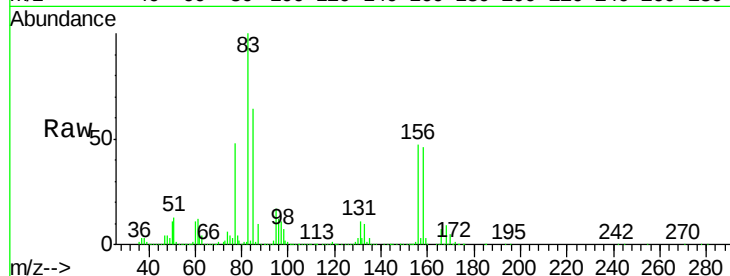
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	319033
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.3
85	64.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.880 ug/l m

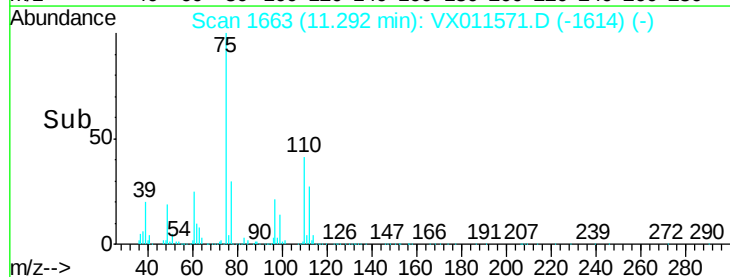
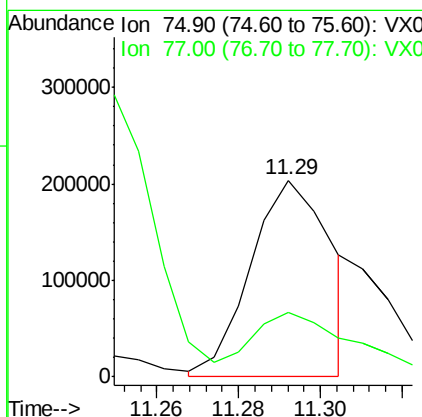
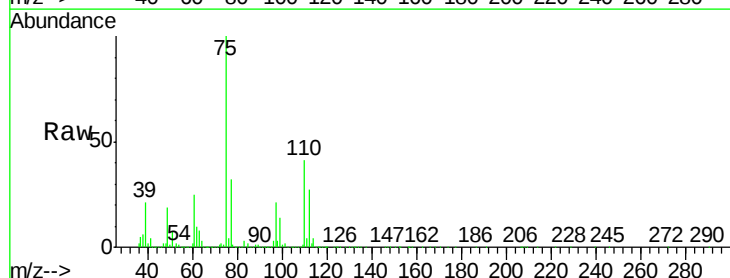
RT: 11.29 min Scan# 1663

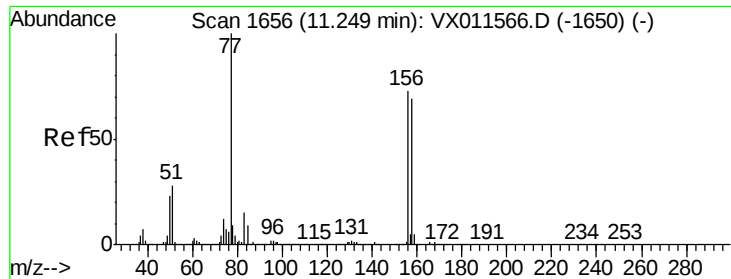
Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion:	75	Resp:	277292
Ion Ratio	Lower	Upper	
75	100		
77	41.9	20.9	62.8





#77

Bromobenzene

Concen: 53.559 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

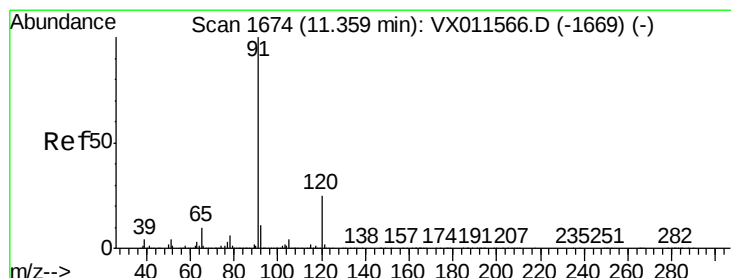
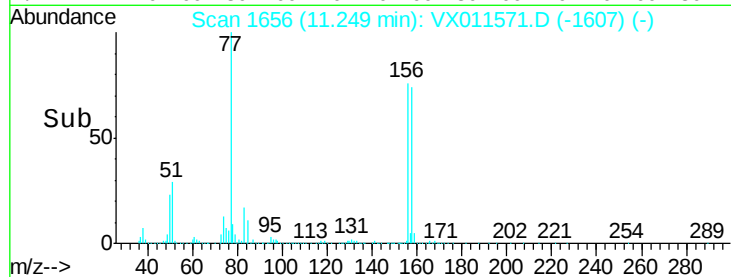
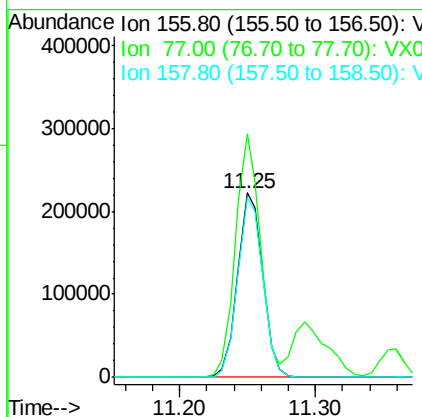
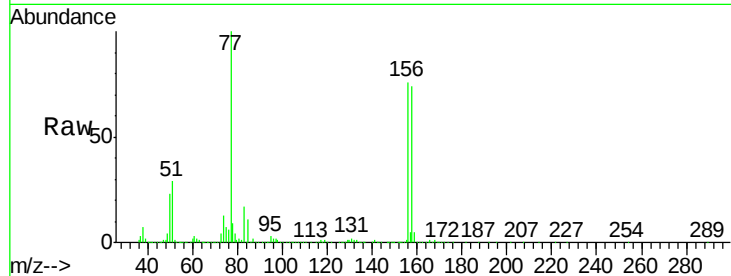
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	285935
Ion Ratio	Lower	Upper	
156	100		
77	130.3	64.6	193.9
158	97.4	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 57.361 ug/l

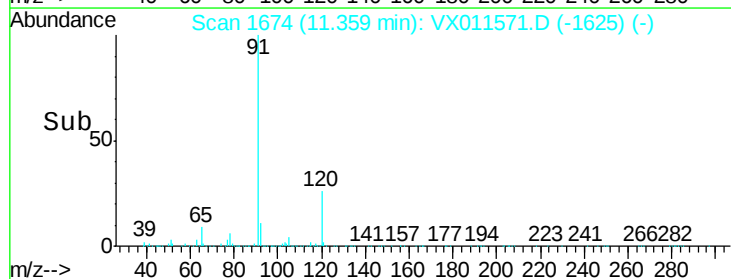
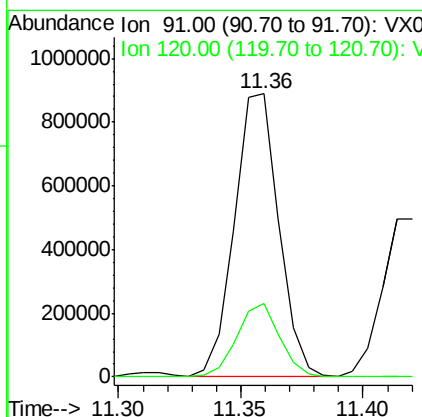
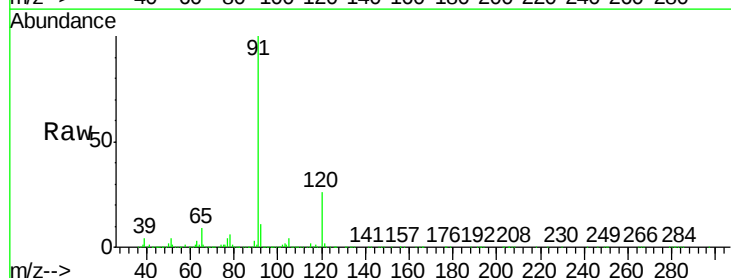
RT: 11.36 min Scan# 1674

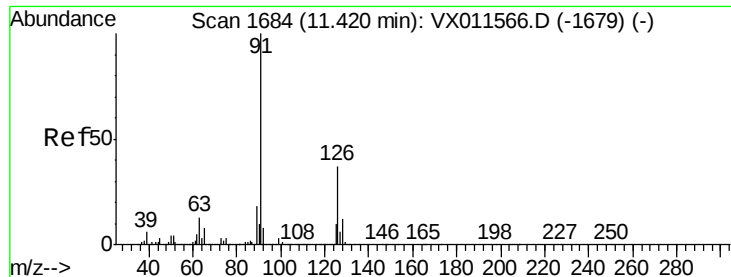
Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion:	91	Resp:	1109892
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.6	37.6





#79

2-Chlorotoluene

Concen: 54.795 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 651043

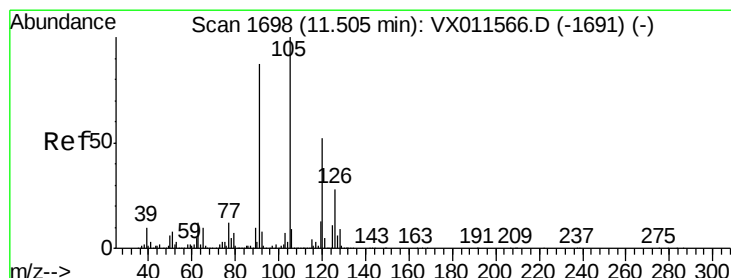
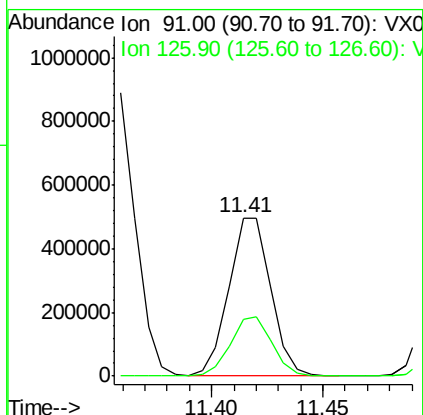
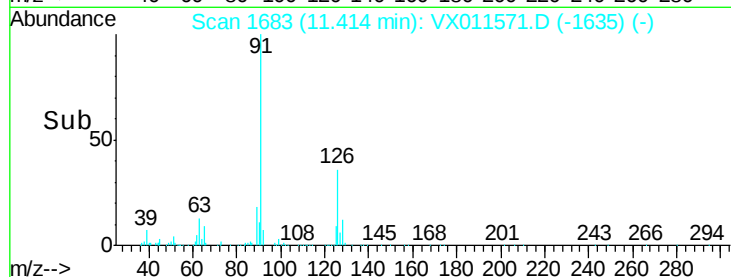
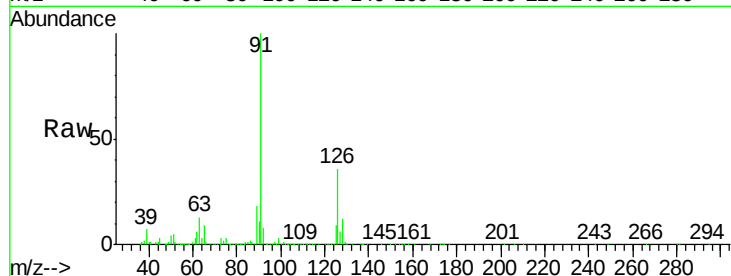
Ion Ratio Lower Upper

91 100

126 37.0 18.4 55.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 56.477 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011571.D

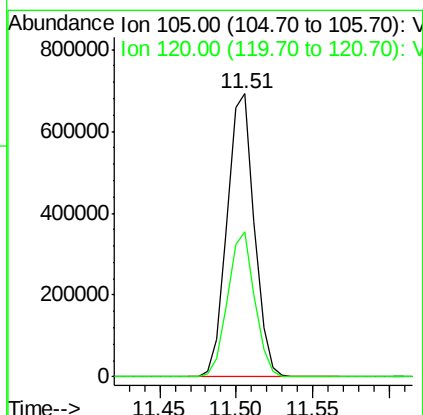
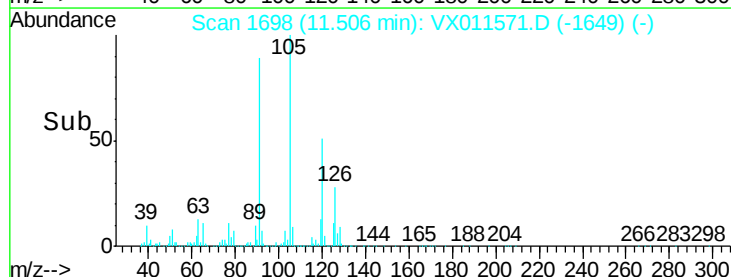
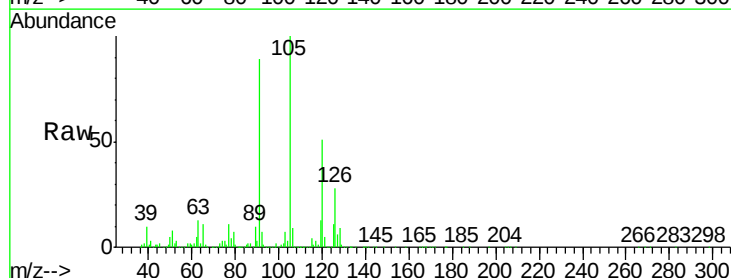
Acq: 16 Aug 2019 10:46

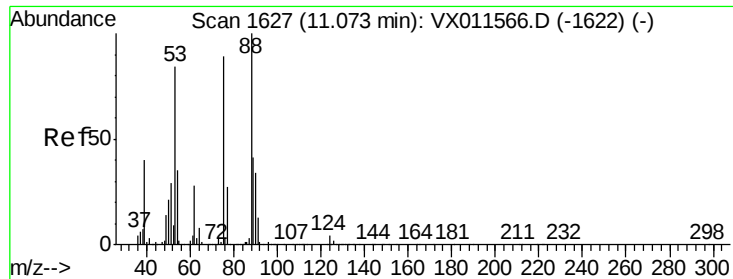
Tgt Ion: 105 Resp: 851326

Ion Ratio Lower Upper

105 100

120 50.6 25.3 75.8





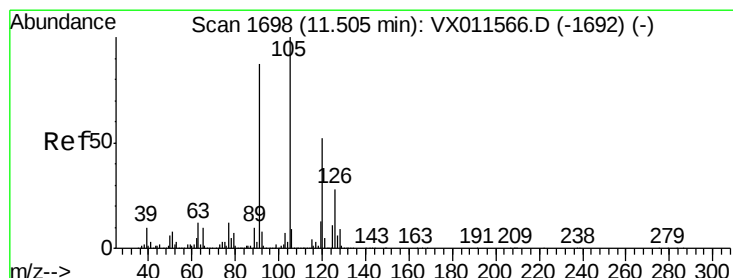
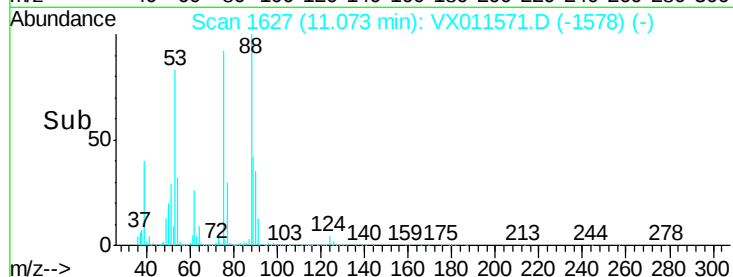
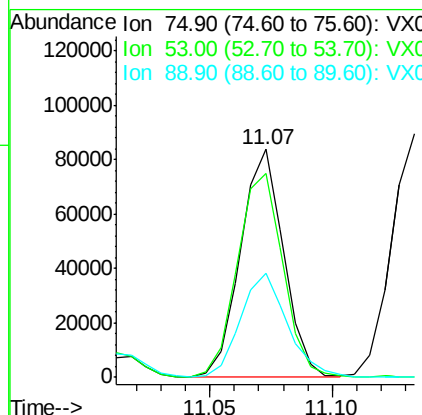
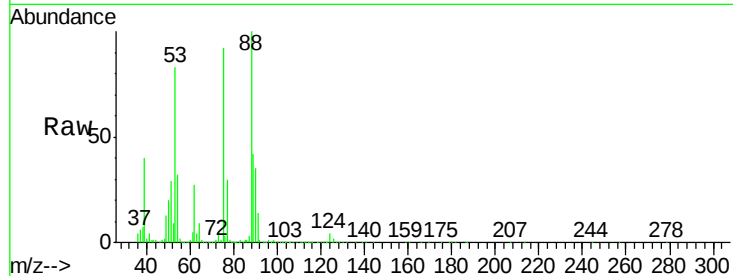
#81
trans-1,4-Dichloro-2-butene
Concen: 52.159 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.3	77.4	116.0
89	50.7	37.3	55.9

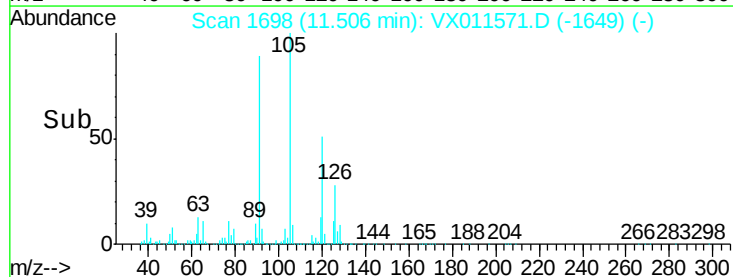
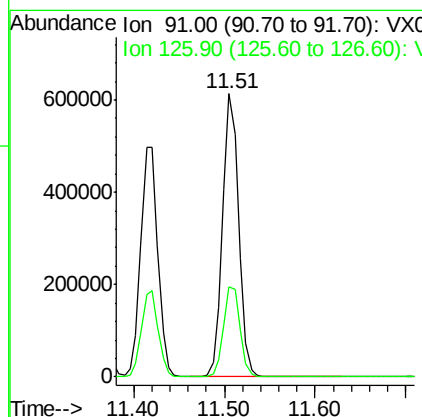
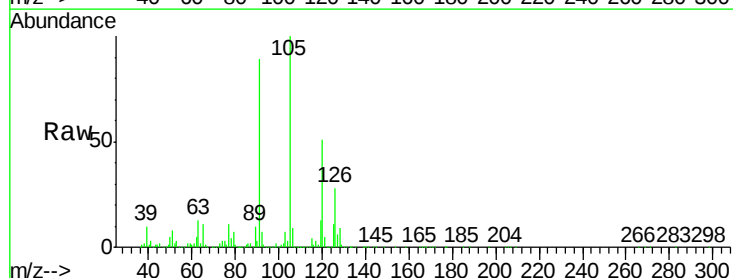
Manual Integrations
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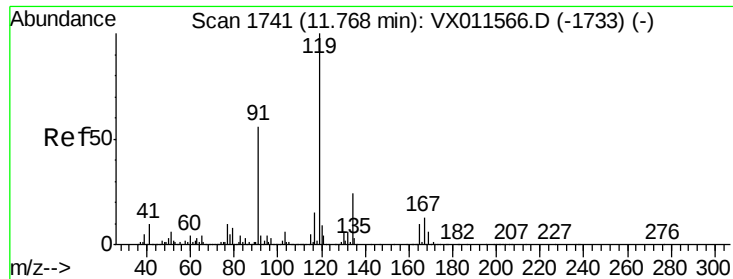
MMDadoda
8/19/2019 10:29:44 AM



#82
4-Chlorotoluene
Concen: 55.437 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1





#83

tert-Butylbenzene

Concen: 56.330 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

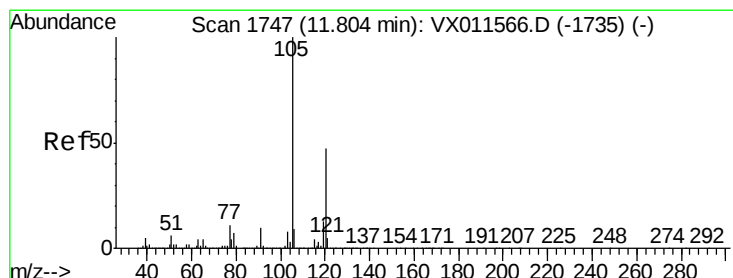
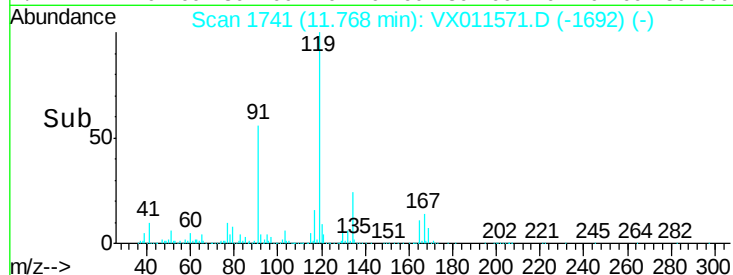
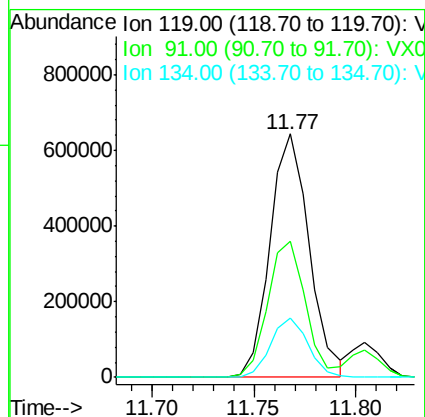
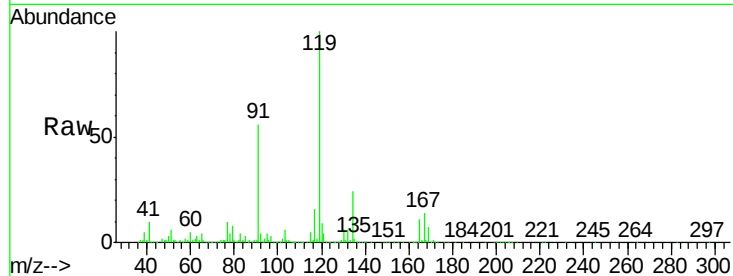
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	864802
Ion Ratio	Lower	Upper	
119	100		
91	54.5	27.1	81.3
134	23.4	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 56.605 ug/l

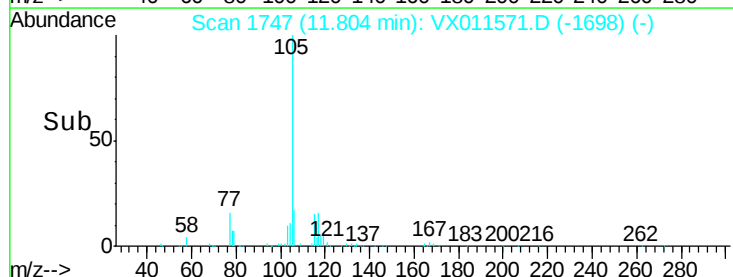
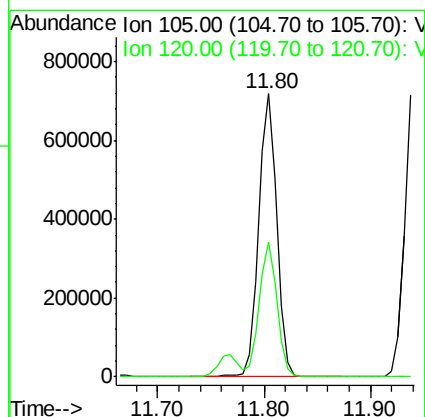
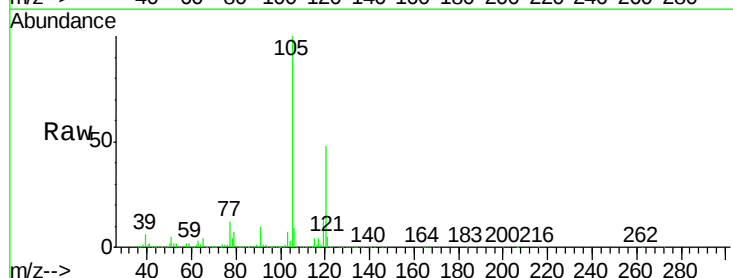
RT: 11.80 min Scan# 1747

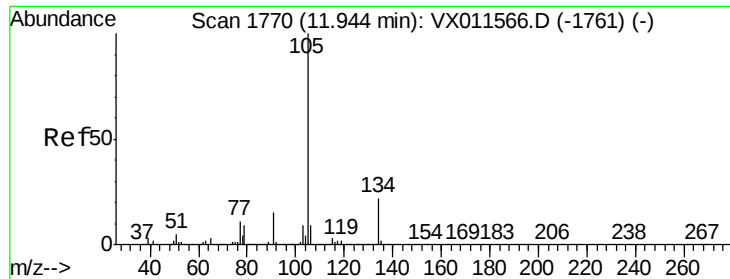
Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Tgt Ion:	105	Resp:	856600
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.3	69.9





#85

sec-Butylbenzene

Concen: 57.346 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 993290

Ion Ratio Lower Upper

105 100

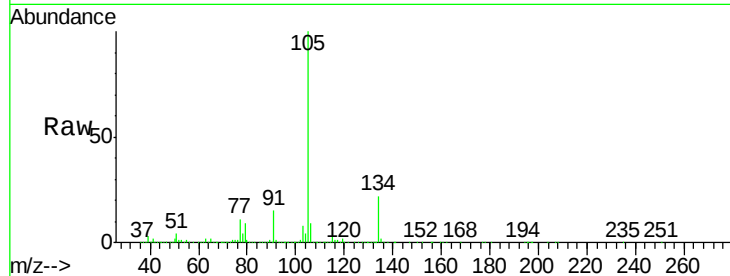
134 21.6 10.8 32.4

Manual Integrations

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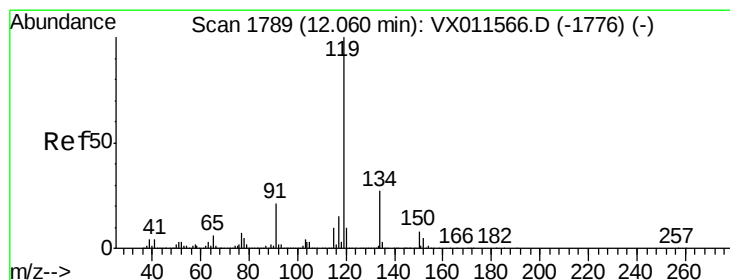
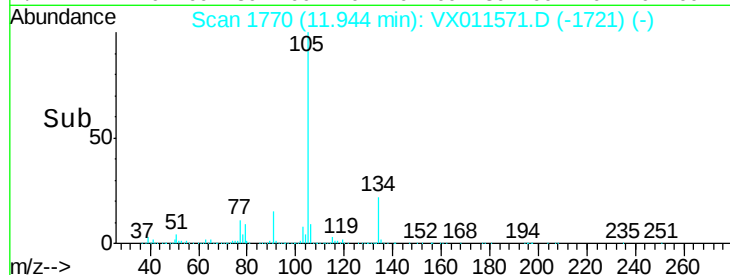
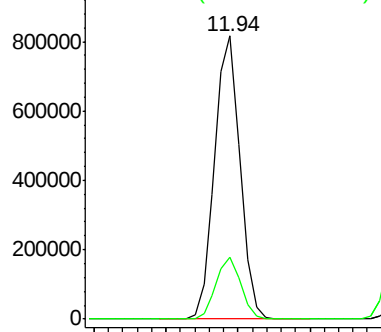
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.795 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

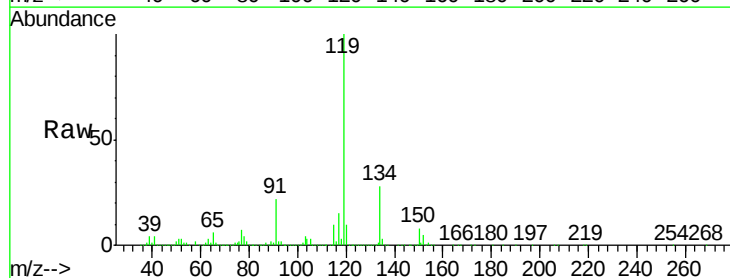
Tgt Ion:119 Resp: 958069

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

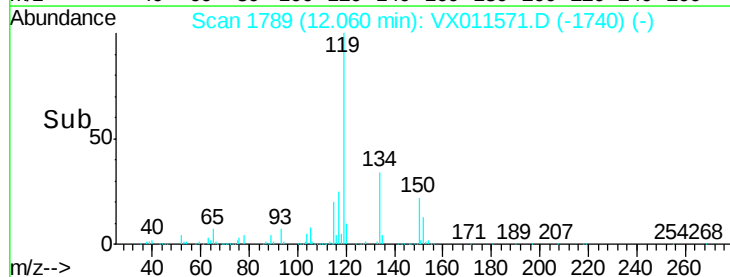
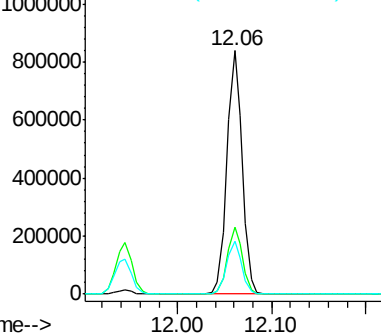
91 21.6 10.9 32.9

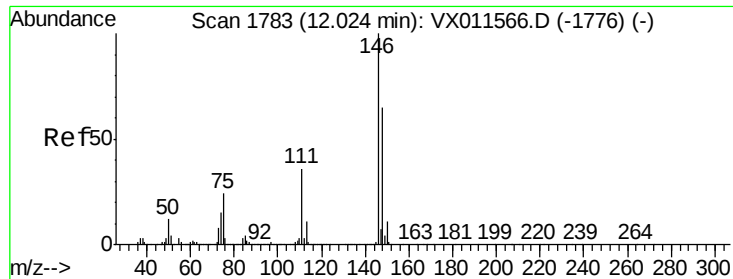


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





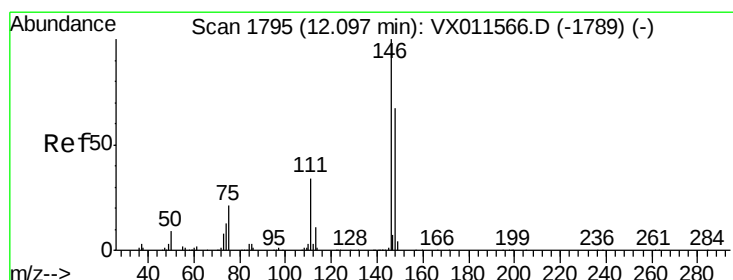
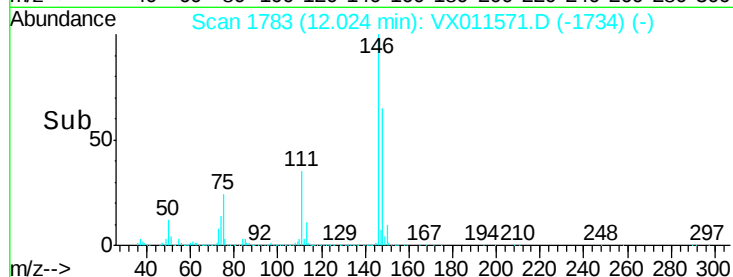
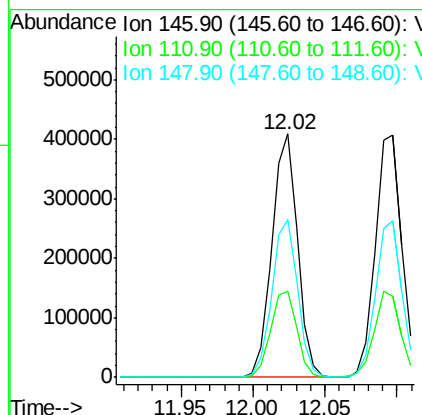
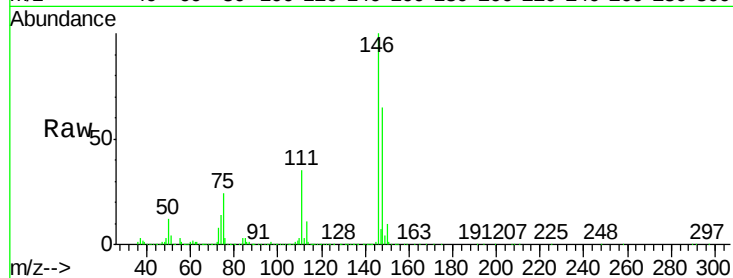
#87
 1,3-Dichlorobenzene
 Concen: 54.858 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	503405		
111	36.3	18.1	54.4	
148	65.2	32.0	96.0	

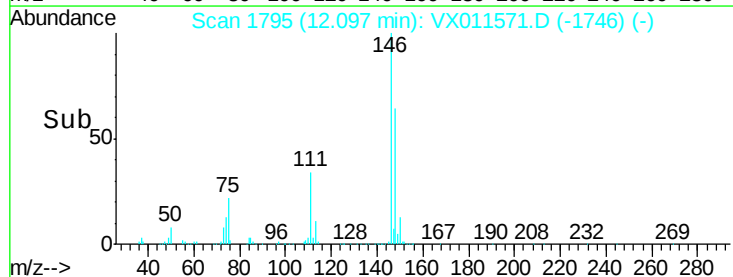
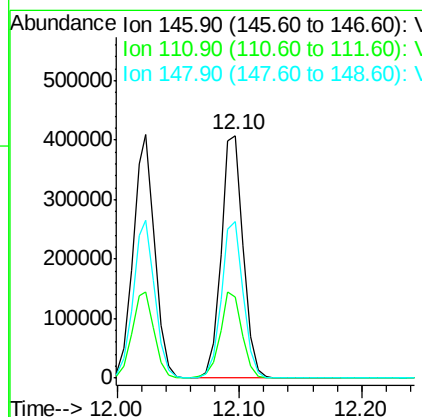
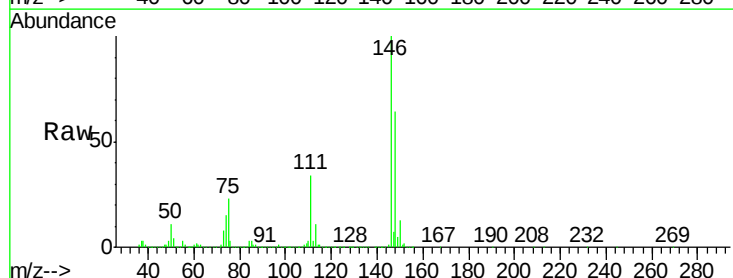
Manual Integrations
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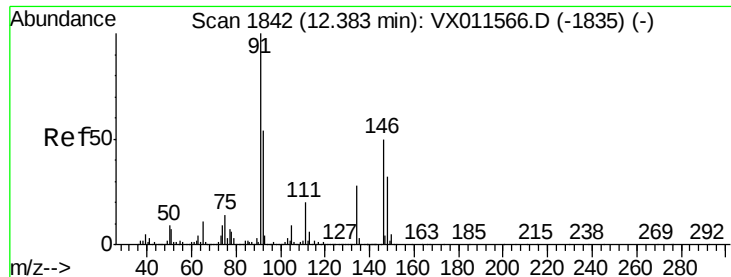
MMDadoda
 8/19/2019 10:29:44 AM



#88
 1,4-Dichlorobenzene
 Concen: 54.687 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	508628		
111	35.3	17.9	53.7	
148	64.3	32.5	97.5	





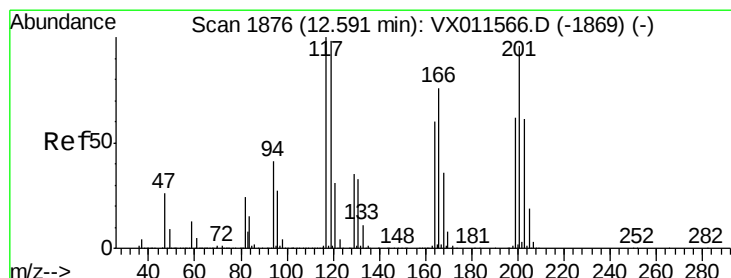
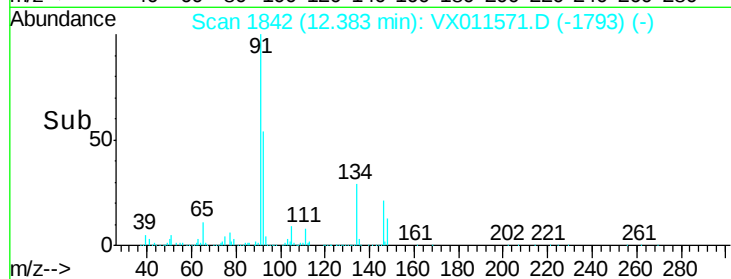
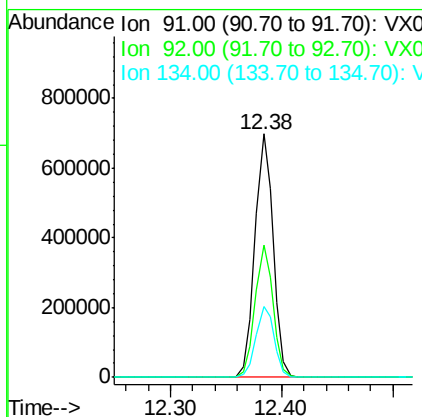
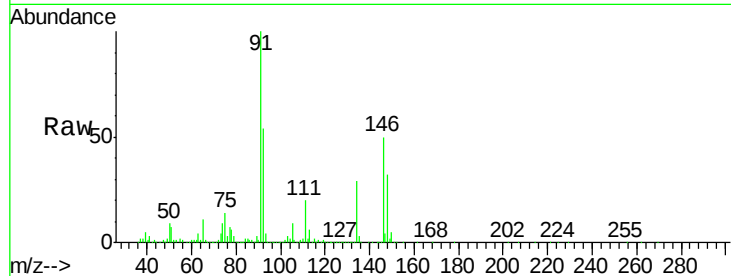
#89
n-Butylbenzene
Concen: 59.556 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	797856		
92	53.8		26.8	80.3
134	29.4		14.6	44.0

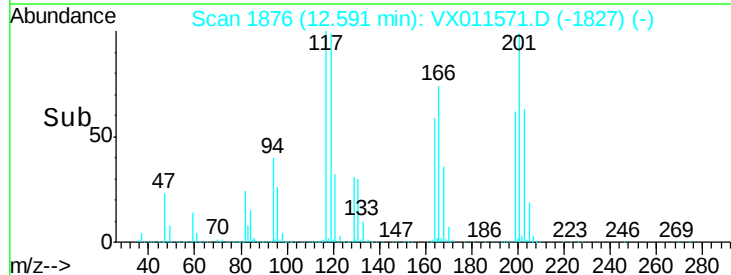
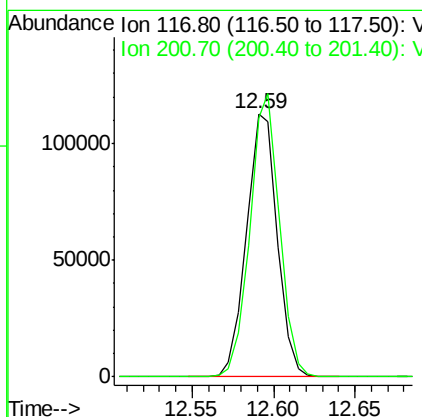
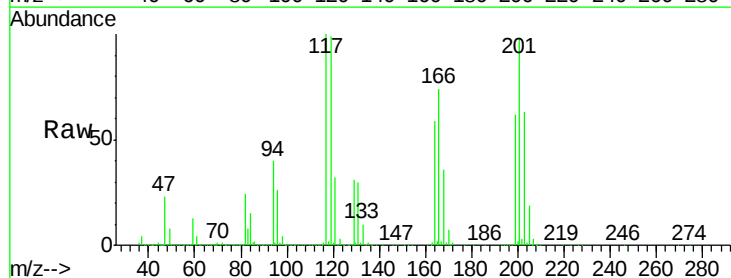
Manual Integrations
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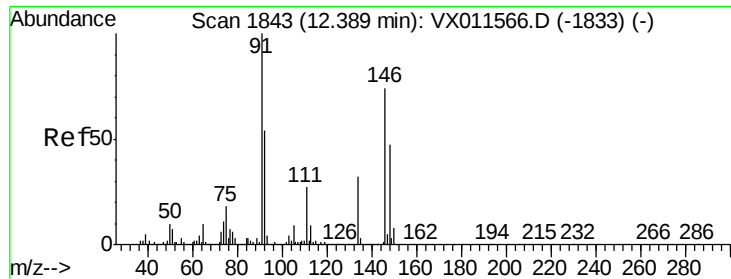
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#90
Hexachloroethane
Concen: 57.741 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011571.D
Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	148582		
201	103.1		51.9	155.7





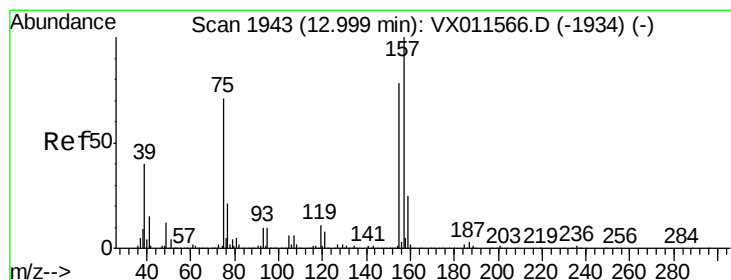
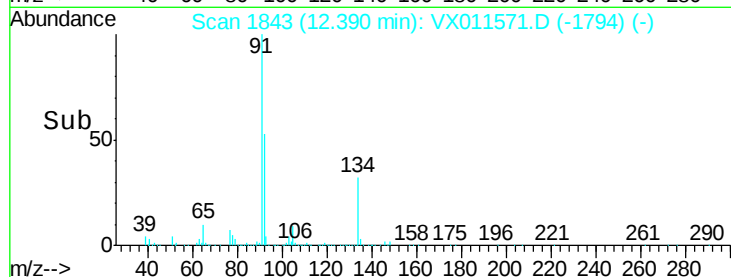
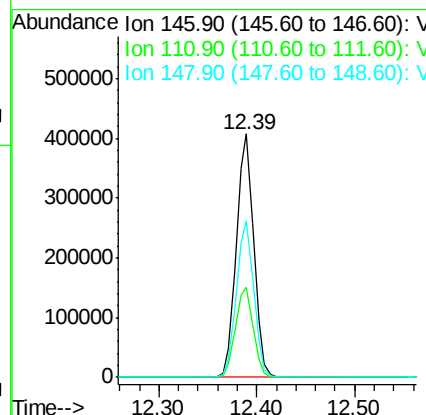
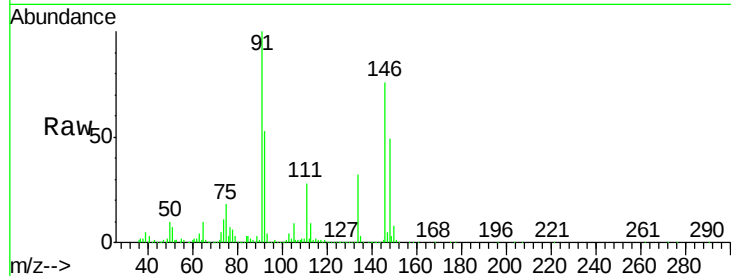
#91
 1,2-Dichlorobenzene
 Concen: 54.592 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	502881		
111	37.7	18.9	56.7	
148	64.3	31.9	95.9	

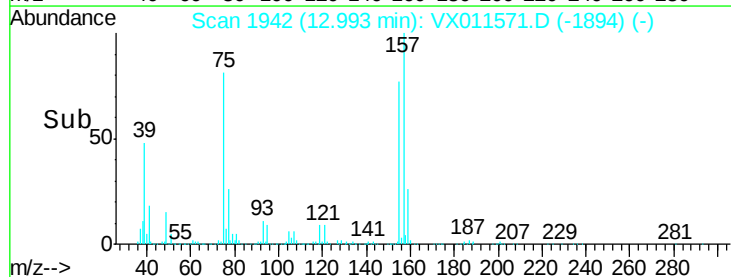
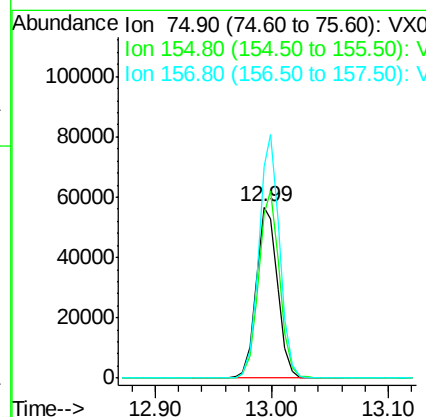
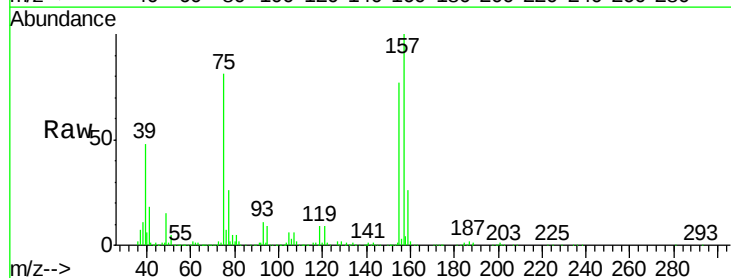
Manual Integrations
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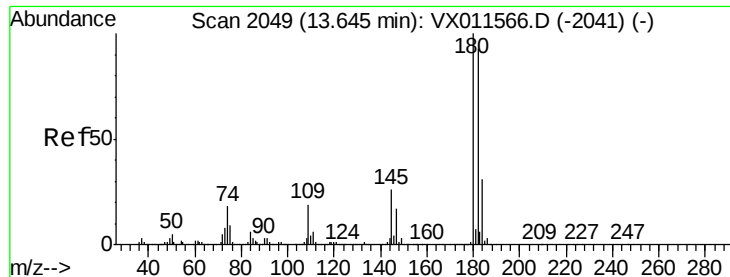
MMDadoda
 8/19/2019 10:29:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.223 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	72339		
155	106.1	53.0	159.0	
157	136.8	68.3	205.1	





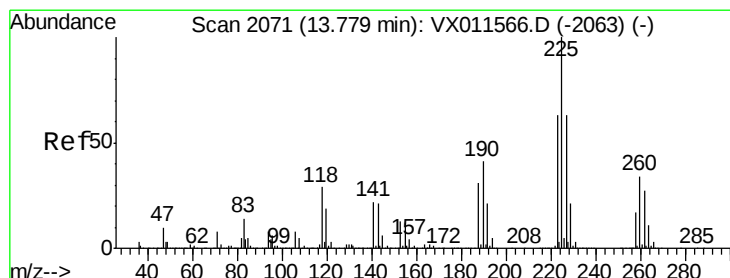
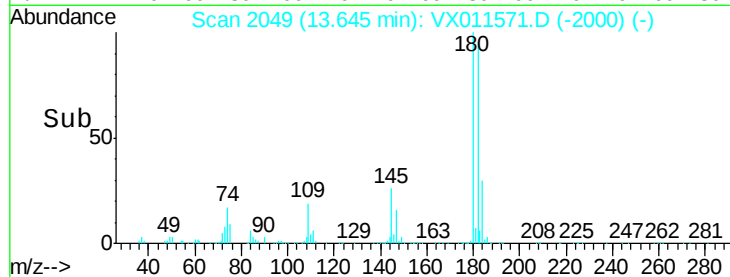
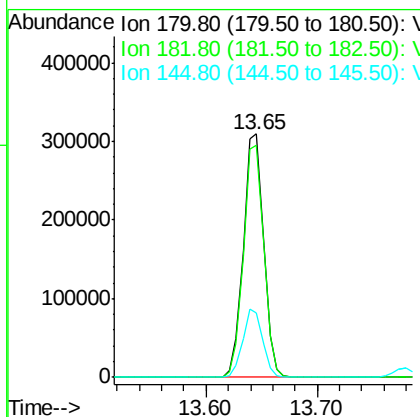
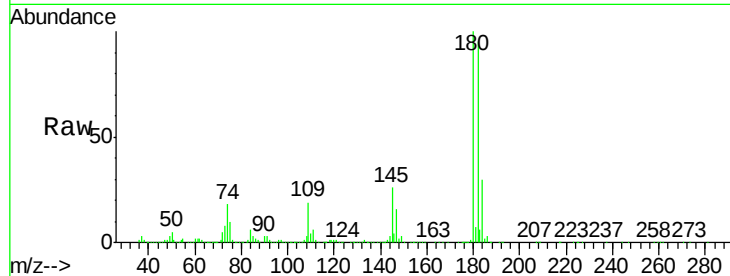
#93
 1,2,4-Trichlorobenzene
 Concen: 56.901 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	390544		
182	95.9	47.3	142.0	
145	27.2	13.6	40.8	

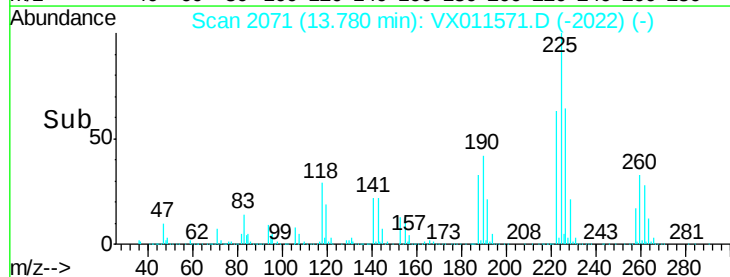
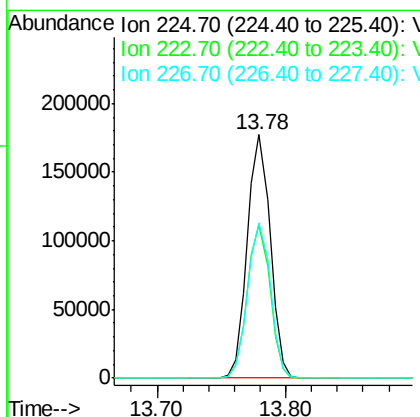
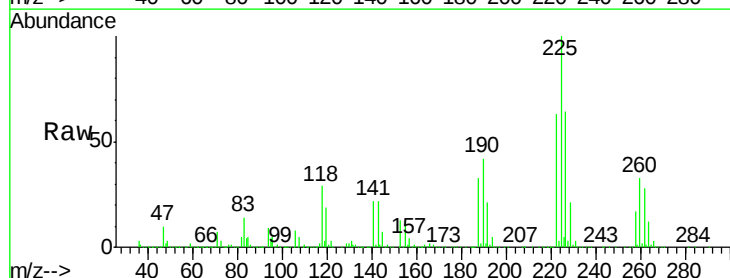
Manual Integrations
 APPROVED

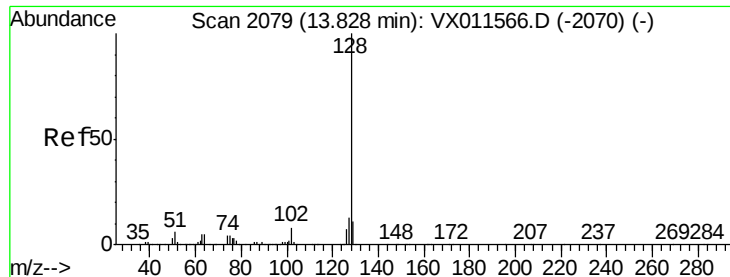
MMDadoda
 8/19/2019 10:29:44 AM



#94
 Hexachlorobutadiene
 Concen: 57.995 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011571.D
 Acq: 16 Aug 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	216747		
223	62.3	31.4	94.0	
227	63.9	31.2	93.6	





#95

Naphthalene

Concen: 56.517 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1096626

Ion Ratio Lower Upper

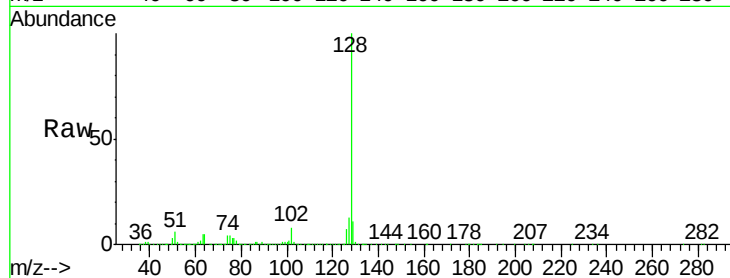
128 100

127 13.0 10.3 15.5

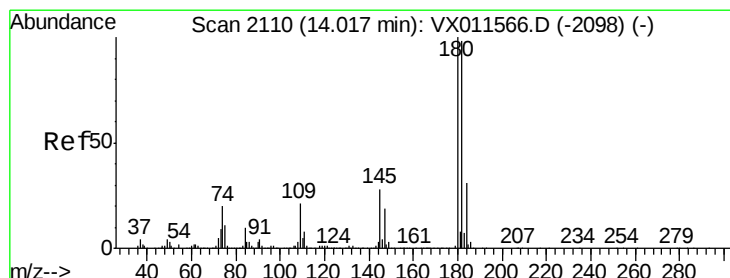
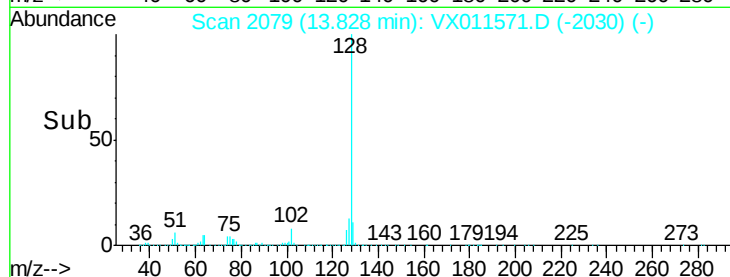
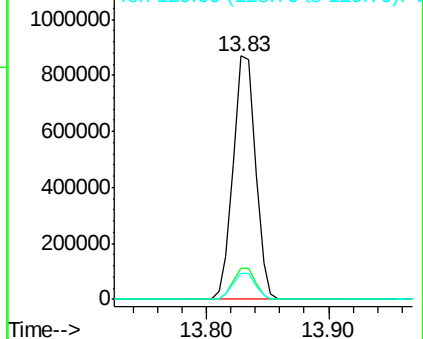
129 10.9 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:29:44 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 57.090 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011571.D

Acq: 16 Aug 2019 10:46

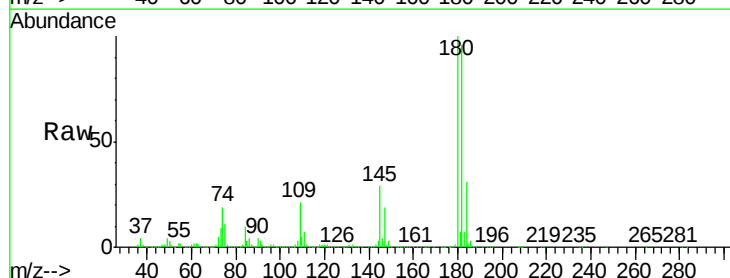
Tgt Ion:180 Resp: 395224

Ion Ratio Lower Upper

180 100

182 95.0 48.0 144.0

145 28.2 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

