

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\
 Data File : VX011565.D
 Acq On : 15 Aug 2019 18:27
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:29:26 AM

Quant Time: Aug 16 04:02:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 03:49:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	403303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	549681	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	500459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	75028	18.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.12%	
35) Dibromofluoromethane	5.49	113	73108	21.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.22%	
50) Toluene-d8	8.71	98	226856	18.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.04%	
62) 4-Bromofluorobenzene	11.13	95	93134	19.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	88294	23.343	ug/l	100
3) Chloromethane	1.32	50	78692	21.009	ug/l	99
4) Vinyl Chloride	1.40	62	74021	19.715	ug/l	97
5) Bromomethane	1.64	94	35663	17.324	ug/l	97
6) Chloroethane	1.72	64	36249	15.850	ug/l	99
7) Trichlorofluoromethane	1.92	101	98536	15.922	ug/l	97
8) Diethyl Ether	2.18	74	34872	16.269	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69550	19.099	ug/l	98
10) Methyl Iodide	2.50	142	97842	20.236	ug/l	99
11) Tert butyl alcohol	3.04	59	89191	89.364	ug/l	99
12) 1,1-Dichloroethene	2.37	96	64707	18.233	ug/l	98
13) Acrolein	2.29	56	26379	50.932	ug/l	96
14) Allyl chloride	2.72	41	111594	20.983	ug/l	99
15) Acrylonitrile	3.14	53	210837	102.851	ug/l	100
16) Acetone	2.43	43	181265	93.916	ug/l	99
17) Carbon Disulfide	2.56	76	152047	16.886	ug/l	98
18) Methyl Acetate	2.76	43	117467	24.774	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	226054	19.483	ug/l	97
20) Methylene Chloride	2.85	84	75372	18.471	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	71378	18.840	ug/l	96
22) Diisopropyl ether	3.85	45	228499	20.463	ug/l	97
23) Vinyl Acetate	3.81	43	909577	97.766	ug/l	99
24) 1,1-Dichloroethane	3.69	63	125231	19.479	ug/l	99
25) 2-Butanone	4.67	43	297170	105.323	ug/l	95
26) 2,2-Dichloropropane	4.58	77	94298	18.145	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	81492	18.481	ug/l	97
28) Bromochloromethane	5.01	49	56987	18.946	ug/l	98
29) Tetrahydrofuran	5.12	42	191965	106.340	ug/l	99
30) Chloroform	5.20	83	132804	19.162	ug/l	100
31) Cyclohexane	5.57	56	111699	19.174	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	115704	19.328	ug/l	99
36) 1,1-Dichloropropene	5.79	75	94815	20.764	ug/l	99
37) Ethyl Acetate	4.83	43	109797	23.079	ug/l	99
38) Carbon Tetrachloride	5.78	117	101310	21.116	ug/l	96

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 03:49:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	115252	19.626	ug/l	95
40) Benzene	6.14	78	294225	21.022	ug/l	100
41) Methacrylonitrile	5.04	41	62320	22.805	ug/l	98
42) 1,2-Dichloroethane	6.18	62	103185	21.036	ug/l	100
43) Isopropyl Acetate	6.44	43	166701	21.438	ug/l	99
44) Trichloroethene	7.21	130	86171	20.773	ug/l	100
45) 1,2-Dichloropropane	7.51	63	73272	20.496	ug/l	99
46) Dibromomethane	7.66	93	51160	20.211	ug/l	99
47) Bromodichloromethane	7.90	83	95535	20.971	ug/l	97
48) Methyl methacrylate	7.77	41	83567	21.832	ug/l	100
49) 1,4-Dioxane	7.74	88	43780	415.473	ug/l	100
51) 4-Methyl-2-Pentanone	8.63	43	566326	111.894	ug/l	100
52) Toluene	8.78	92	187825	20.513	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	98489	20.173	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	111497	20.583	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	79395	20.976	ug/l	98
56) Ethyl methacrylate	9.18	69	117341	21.155	ug/l	100
57) 1,3-Dichloropropane	9.37	76	127955	21.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	297376	111.538	ug/l	99
59) 2-Hexanone	9.49	43	436476	111.543	ug/l	100
60) Dibromochloromethane	9.58	129	82781	21.380	ug/l	99
61) 1,2-Dibromoethane	9.67	107	83995	20.888	ug/l	100
64) Tetrachloroethene	9.34	164	80027	20.049	ug/l	97
65) Chlorobenzene	10.13	112	212685	20.392	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	78691	21.353	ug/l	100
67) Ethyl Benzene	10.25	91	358606	20.362	ug/l	99
68) m/p-Xylenes	10.35	106	279884	41.282	ug/l	98
69) o-Xylene	10.69	106	136130	20.643	ug/l	97
70) Styrene	10.71	104	228835	20.762	ug/l	99
71) Bromoform	10.85	173	65282	21.956	ug/l #	99
73) Isopropylbenzene	11.02	105	361080	19.703	ug/l	100
74) N-amyl acetate	10.90	43	146365	20.720	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	122149	20.298	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	104705m	21.137	ug/l	
77) Bromobenzene	11.25	156	104924	20.510	ug/l	100
78) n-propylbenzene	11.36	91	390941	19.386	ug/l	99
79) 2-Chlorotoluene	11.42	91	240102	19.726	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	307401	20.093	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	31494	17.691	ug/l	91
82) 4-Chlorotoluene	11.51	91	274693	19.432	ug/l	100
83) tert-Butylbenzene	11.77	119	310472	20.523	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	308977	20.005	ug/l	100
85) sec-Butylbenzene	11.94	105	348474	19.817	ug/l	99
86) p-Isopropyltoluene	12.06	119	329778	20.175	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	179006	20.232	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	183015	20.214	ug/l	99
89) n-Butylbenzene	12.38	91	265334	19.156	ug/l	100
90) Hexachloroethane	12.59	117	49435	19.248	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	181709	20.707	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	26734	21.034	ug/l	96

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

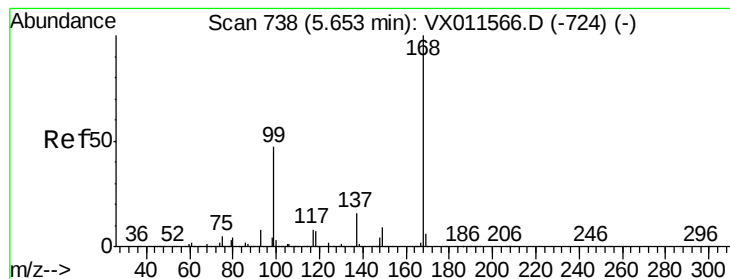
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 16 03:49:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	131507	21.712	ug/l	100
94) Hexachlorobutadiene	13.78	225	72340	23.624	ug/l	99
95) Naphthalene	13.83	128	385773	21.688	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	133556	22.075	ug/l	99

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



#1

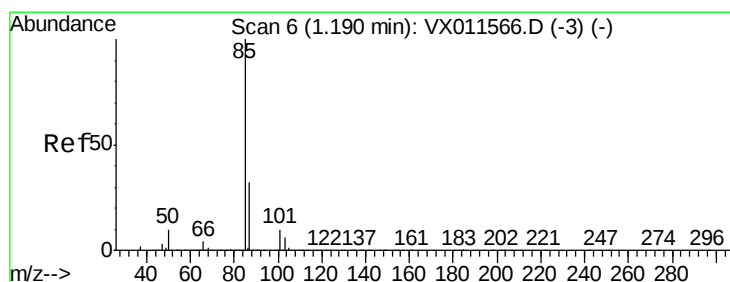
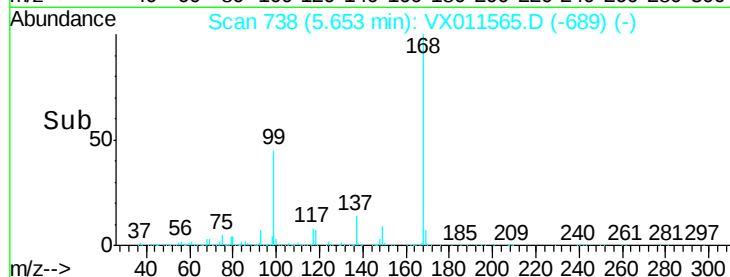
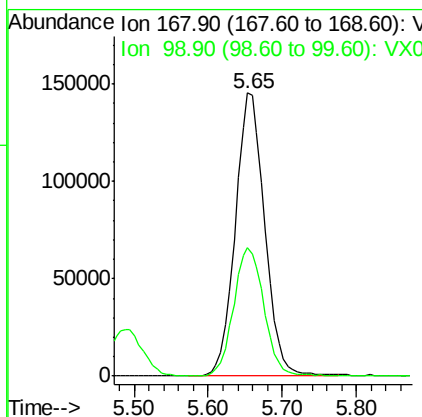
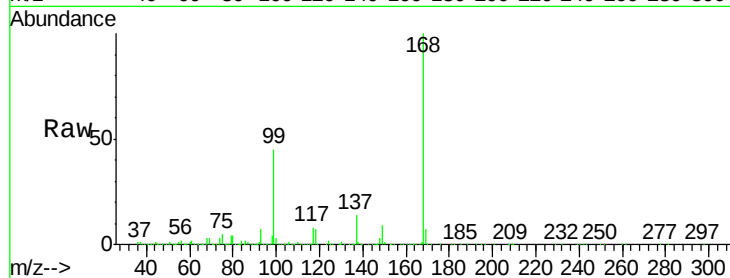
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
168	100	403303		
99	45.1	37.3	55.9	

Manual Integrations
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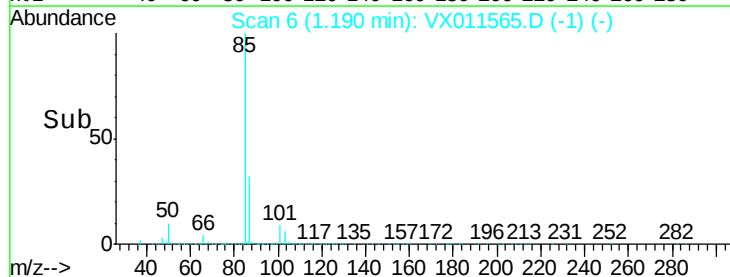
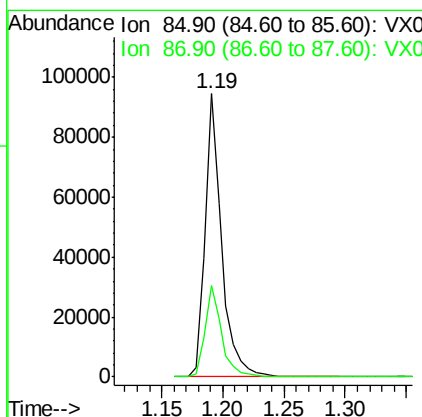
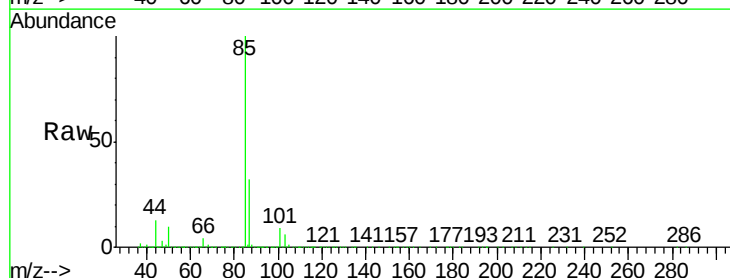
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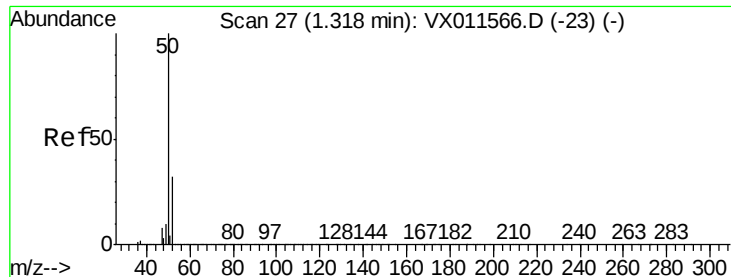


#2

Dichlorodifluoromethane
 Concen: 23.343 ug/l
 RT: 1.19 min Scan# 6
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	88294		
87	32.1	16.1	48.2	





#3

Chloromethane

Concen: 21.009 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 78692

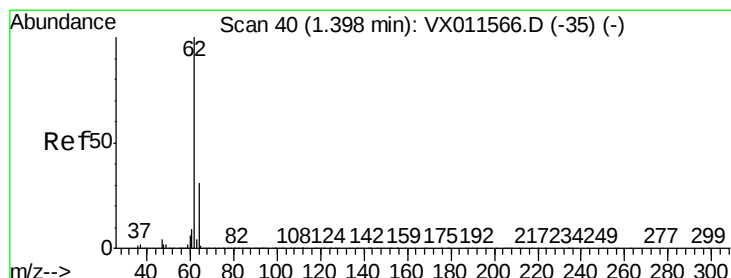
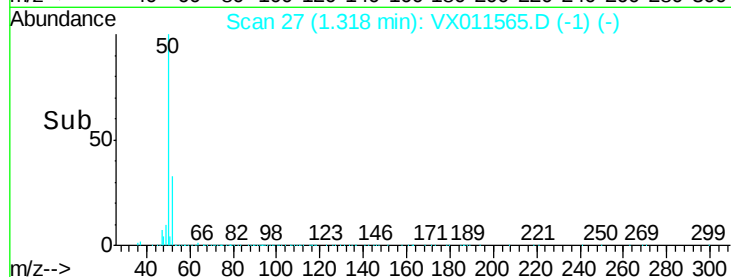
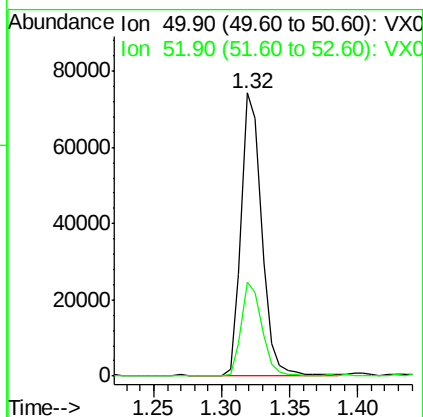
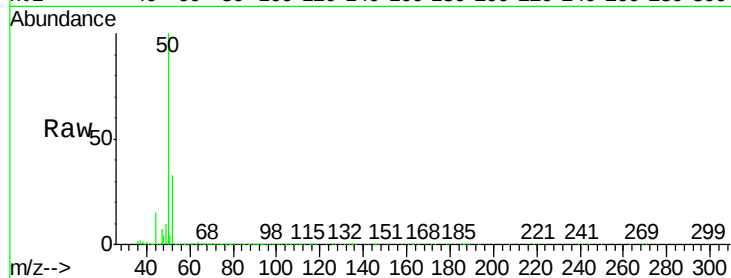
Ion Ratio Lower Upper

50 100

52 33.3 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.715 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011565.D

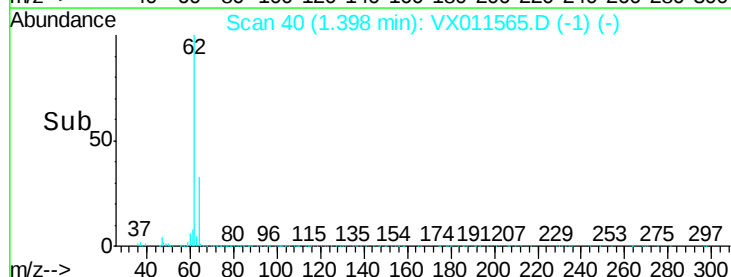
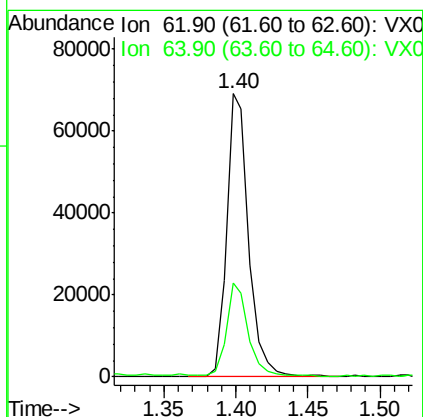
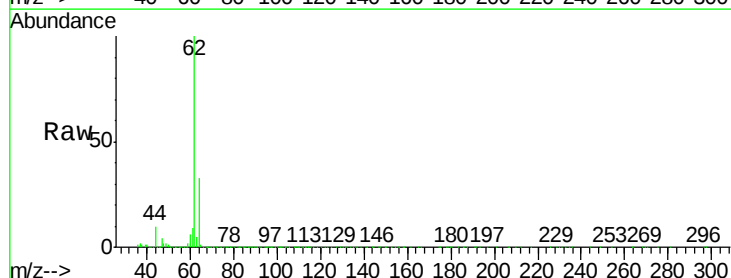
Acq: 15 Aug 2019 18:27

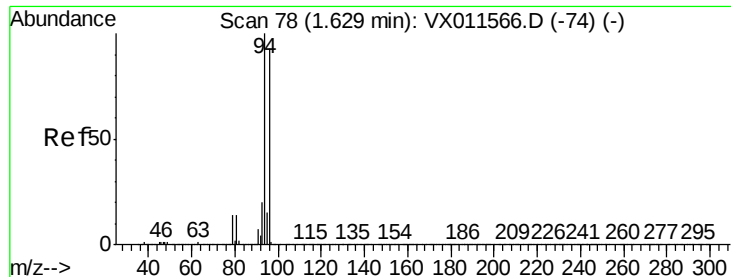
Tgt Ion: 62 Resp: 74021

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.4





#5

Bromomethane

Concen: 17.324 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tot Ion: 94 Resp: 35663

Ion Ratio Lower Upper

94 100

96 96.4 74.8 112.2

Instrument :

MSVOA_X

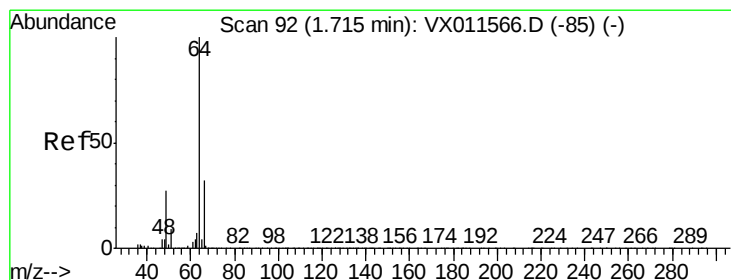
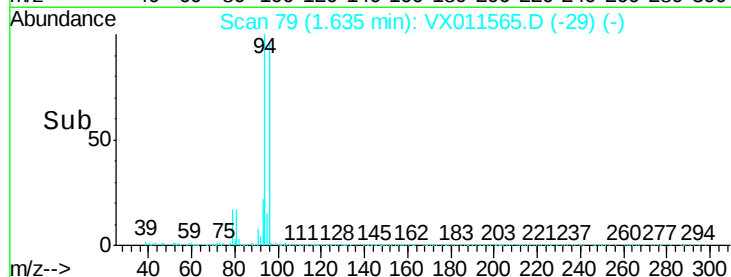
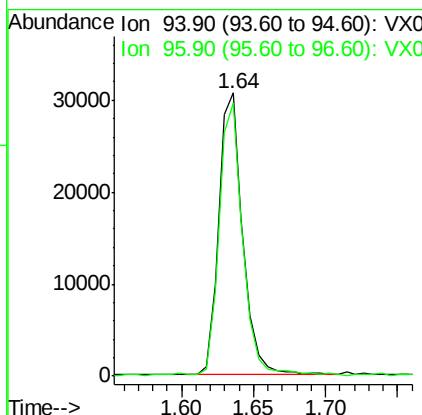
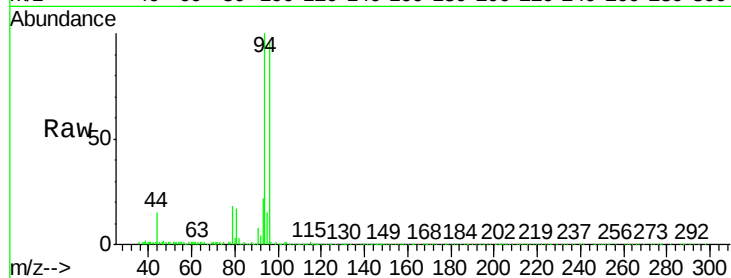
ClientSampleId :

VSTDIC020

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#6

Chloroethane

Concen: 15.850 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011565.D

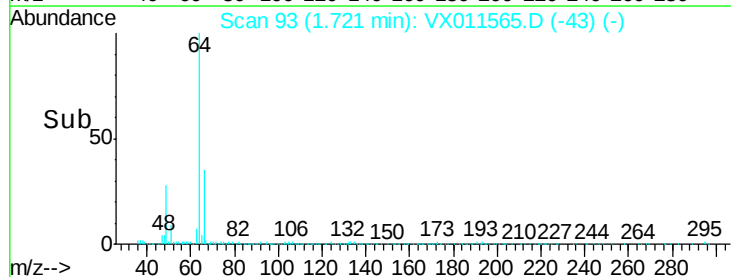
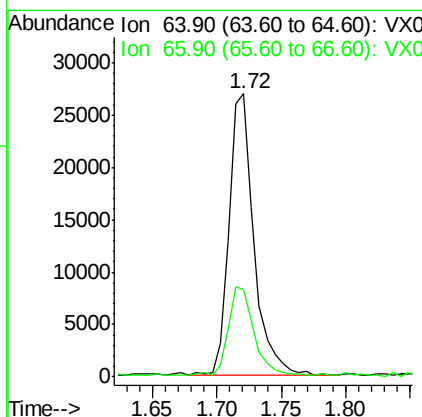
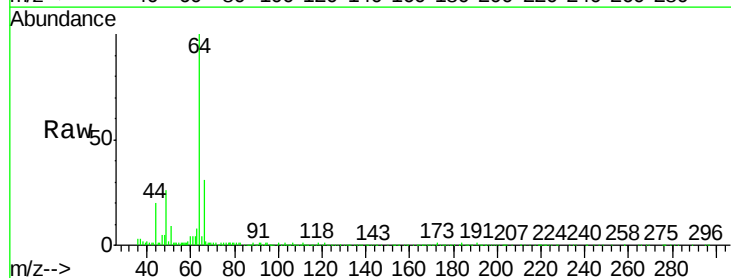
Acq: 15 Aug 2019 18:27

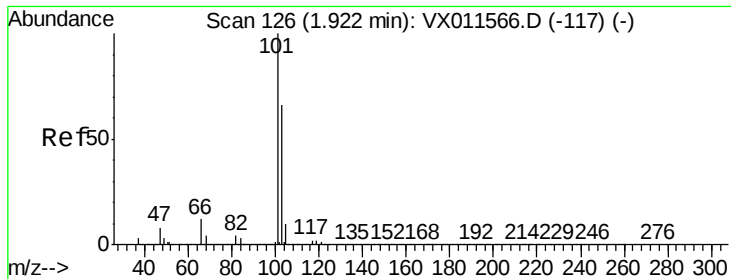
Tgt Ion: 64 Resp: 36249

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9





#7

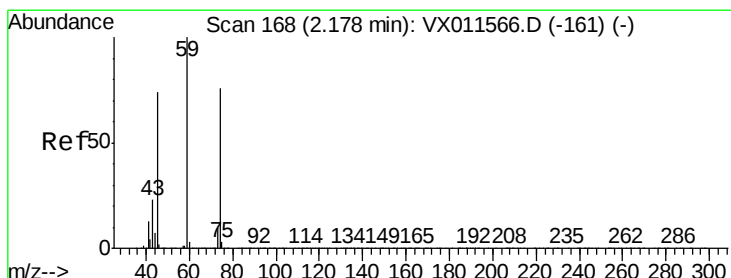
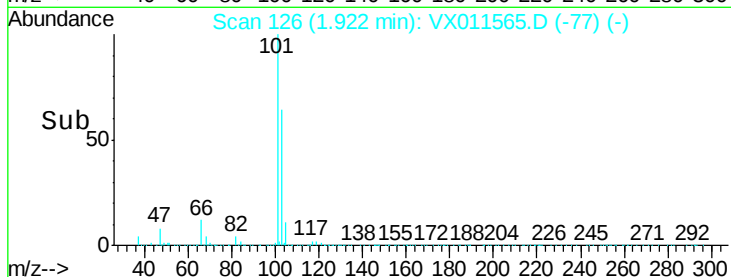
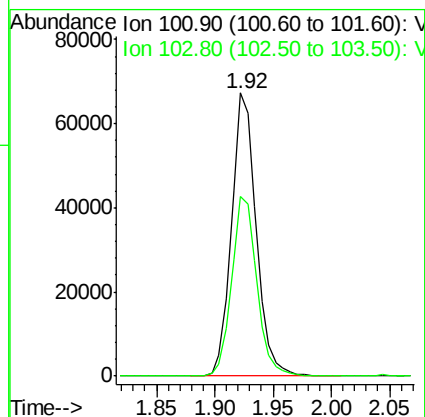
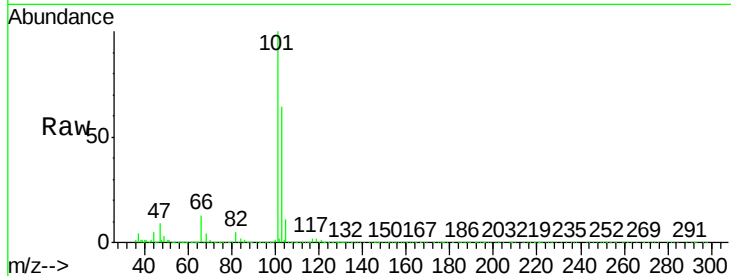
Trichlorofluoromethane
Concen: 15.922 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.9	79.3

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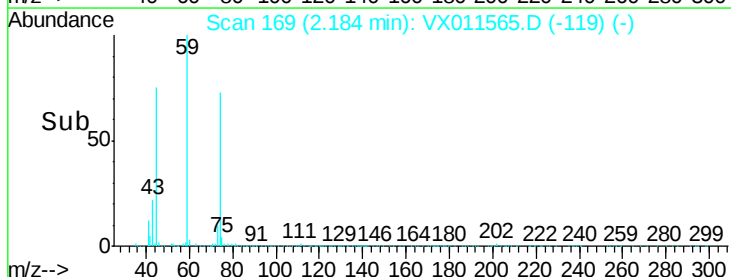
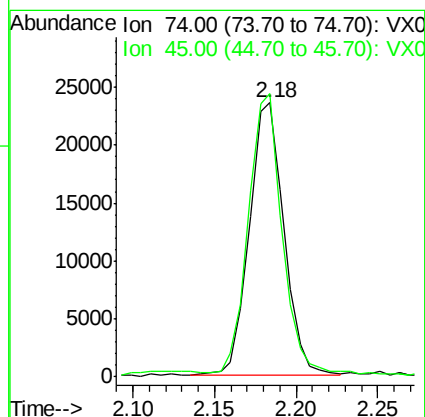
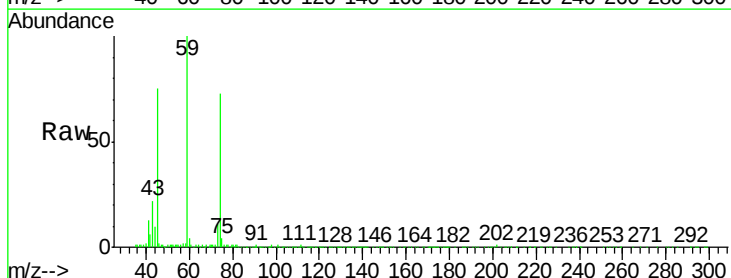
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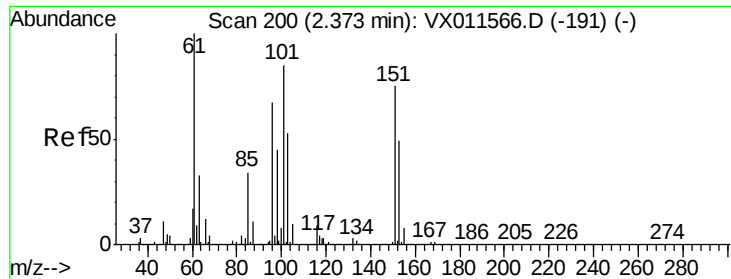


#8

Diethyl Ether
Concen: 16.269 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.099 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

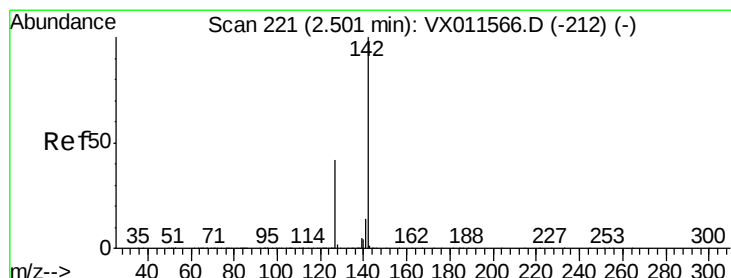
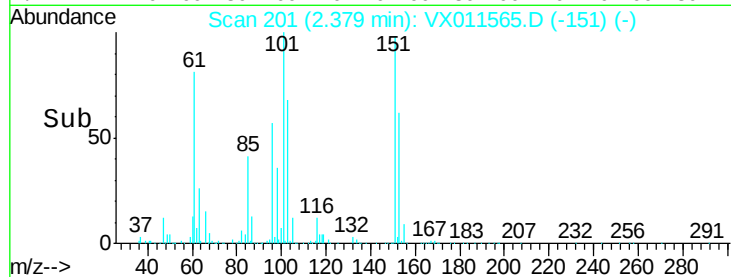
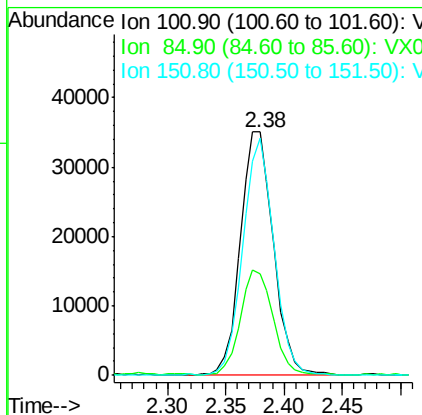
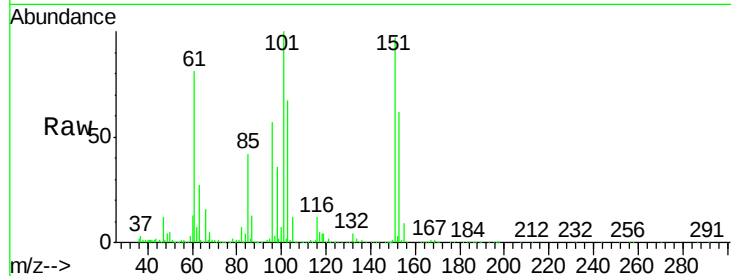
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	69550
Ion Ratio	Lower	Upper	
101	100		
85	43.2	33.0	49.4
151	92.5	73.3	109.9

Manual Integrations
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#10

Methyl Iodide

Concen: 20.236 ug/l

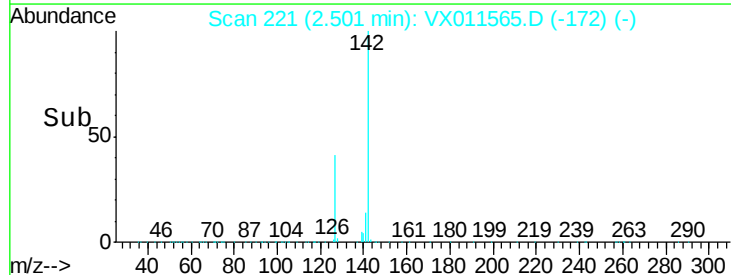
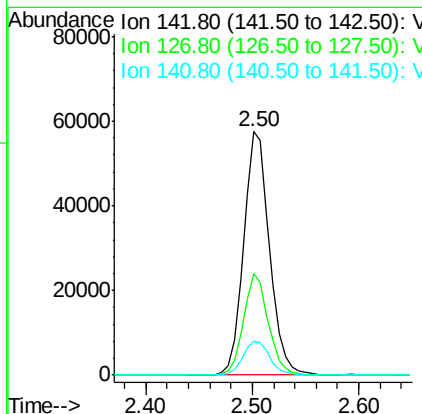
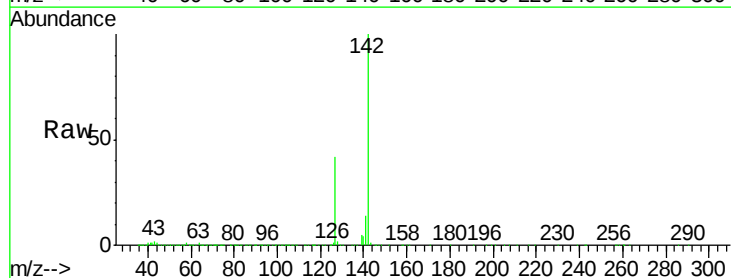
RT: 2.50 min Scan# 221

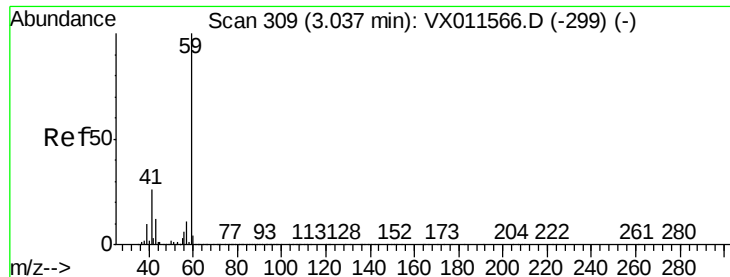
Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion:	142	Resp:	97842
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.8	49.2
141	14.6	11.4	17.2





#11

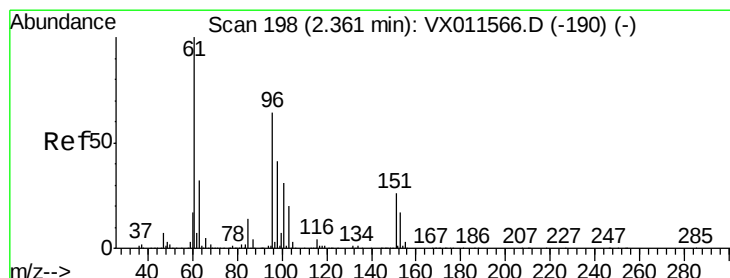
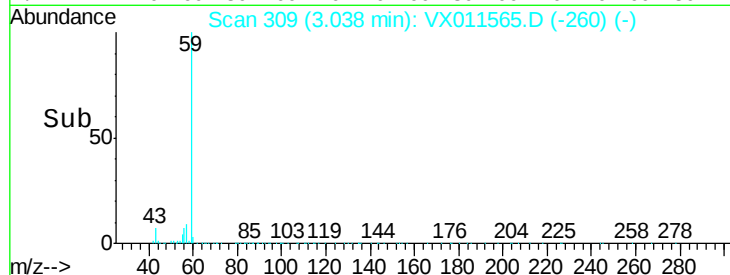
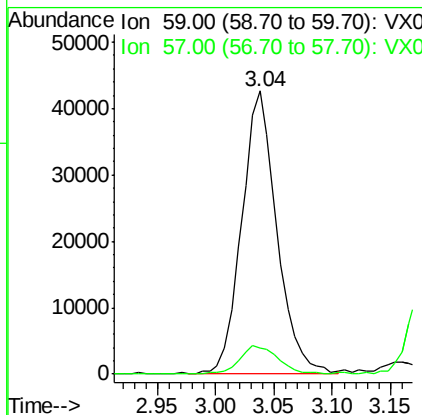
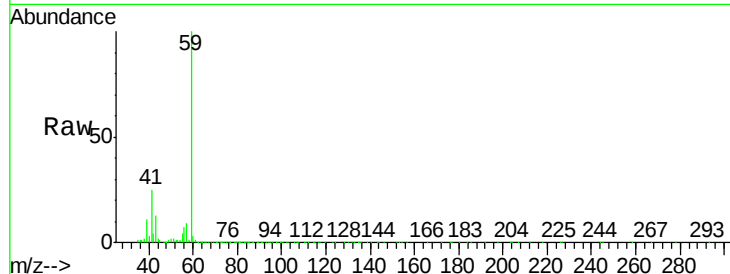
Tert butyl alcohol
 Concen: 89.364 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.7	13.1

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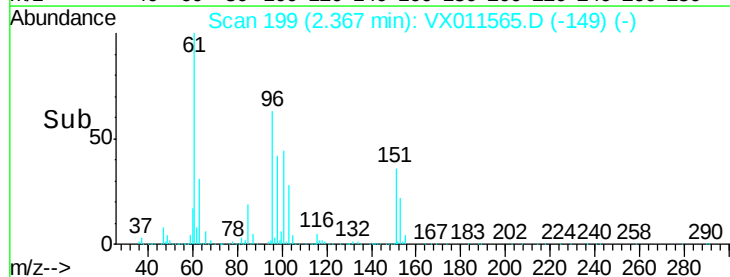
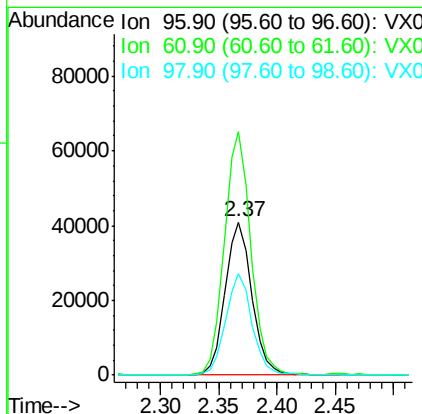
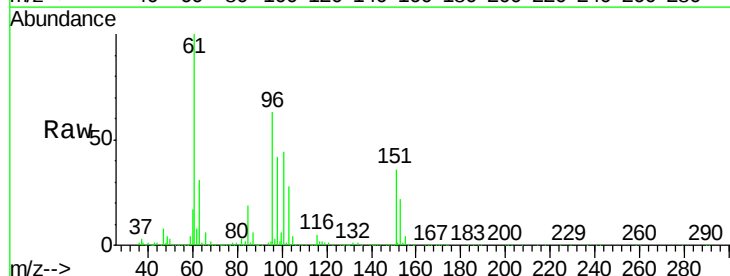
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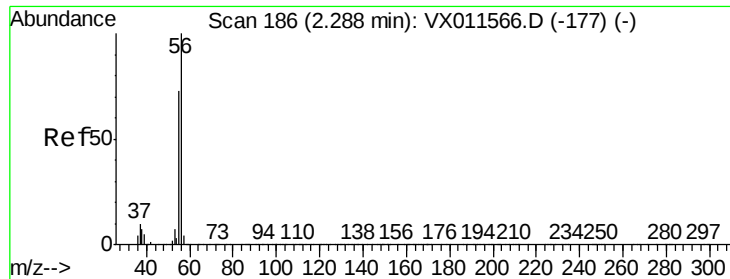


#12

1,1-Dichloroethene
 Concen: 18.233 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.01 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.8	125.0	187.4
98	66.3	51.5	77.3





#13

Acrolein

Concen: 50.932 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 26379

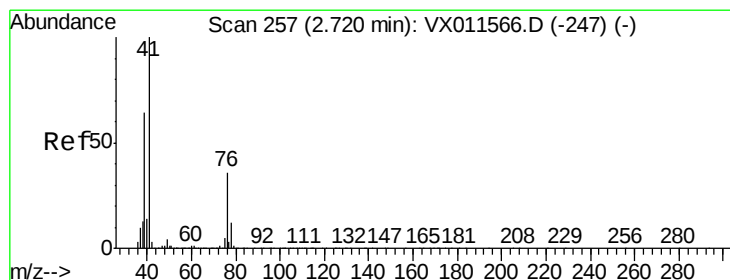
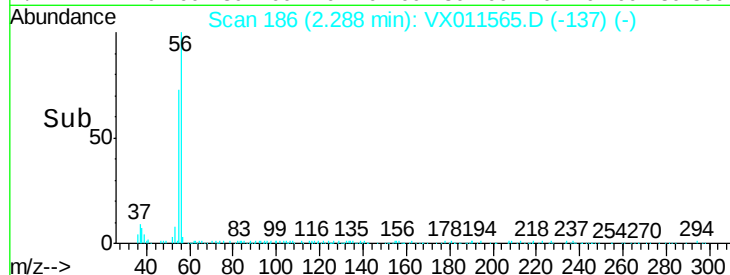
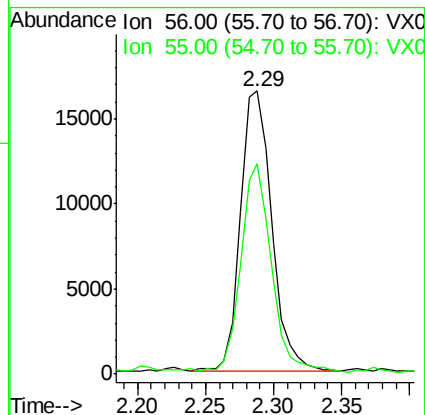
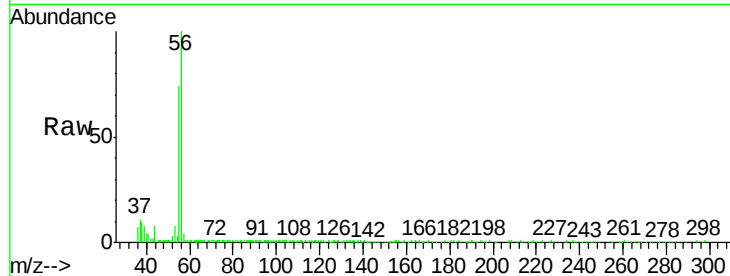
Ion Ratio Lower Upper

56 100

55 72.4 55.5 83.3

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#14

Allyl chloride

Concen: 20.983 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

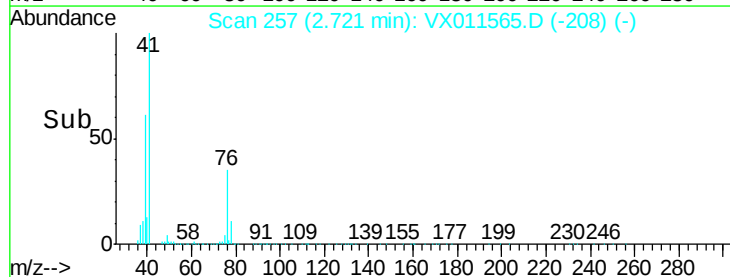
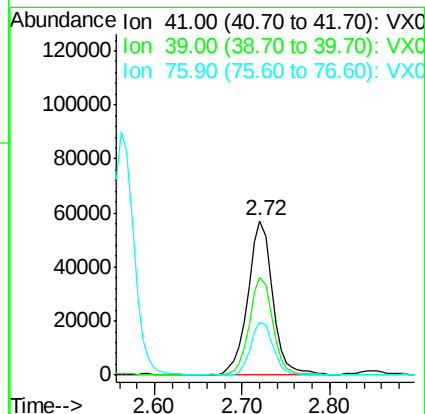
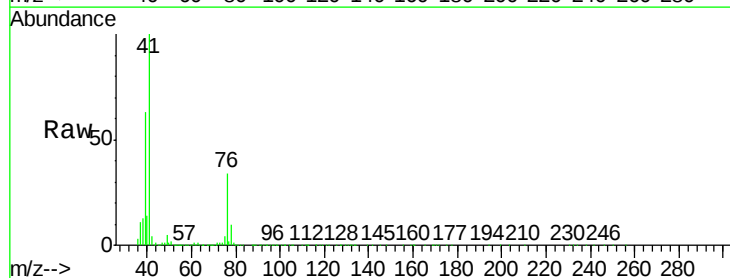
Tgt Ion: 41 Resp: 111594

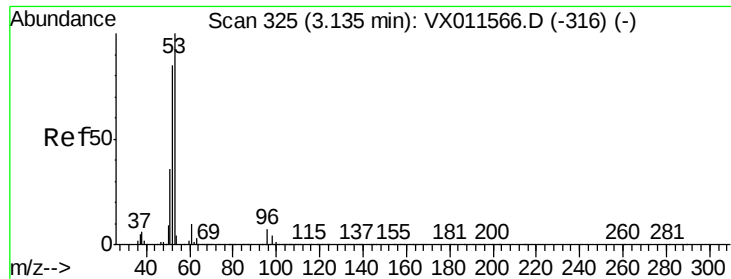
Ion Ratio Lower Upper

41 100

39 59.2 47.5 71.3

76 31.2 26.3 39.5





#15

Acrylonitrile

Concen: 102.851 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

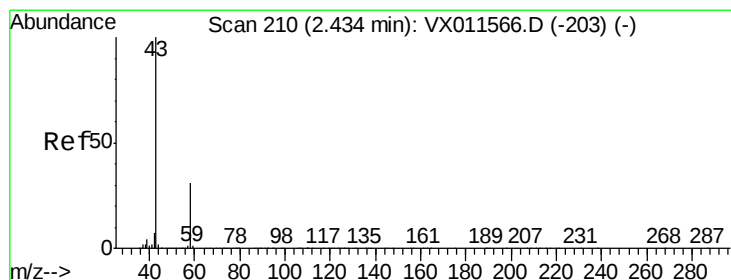
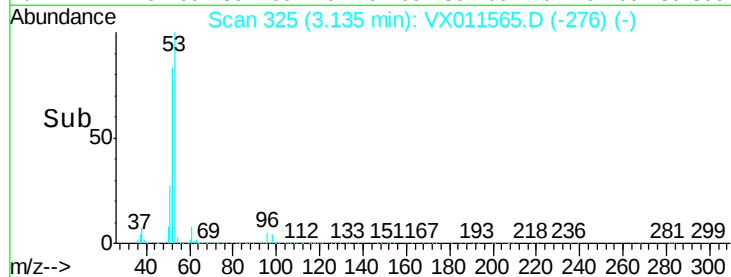
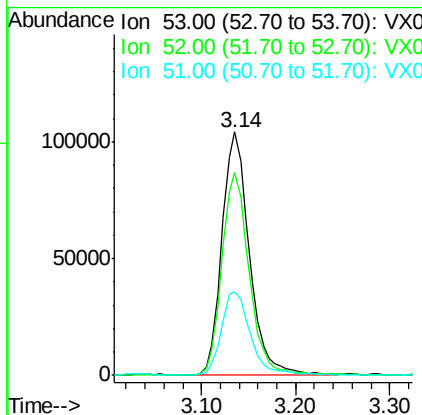
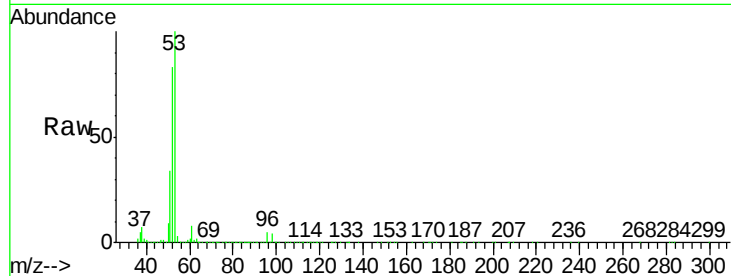
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	210837
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.7	100.1
51	36.3	28.7	43.1

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#16

Acetone

Concen: 93.916 ug/l

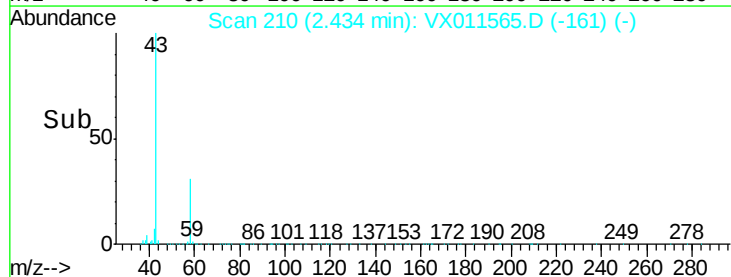
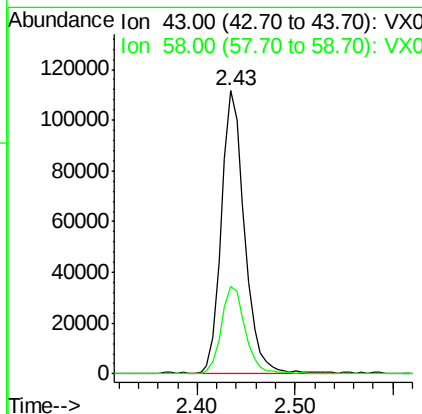
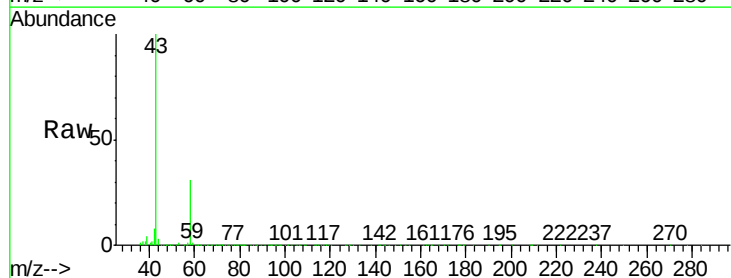
RT: 2.43 min Scan# 210

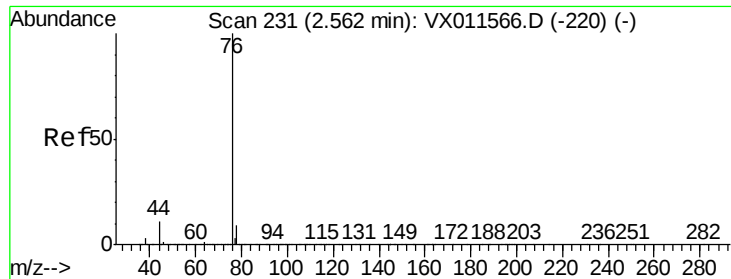
Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion:	43	Resp:	181265
Ion Ratio		Lower	Upper
43	100		
58	30.9	25.2	37.8





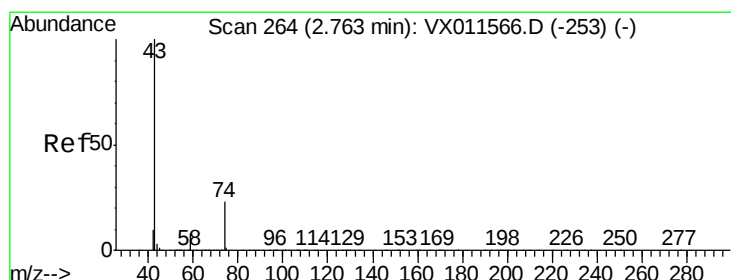
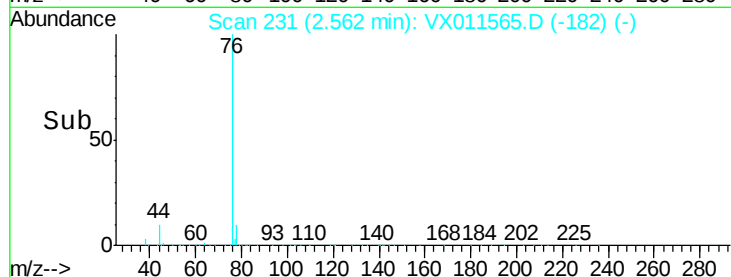
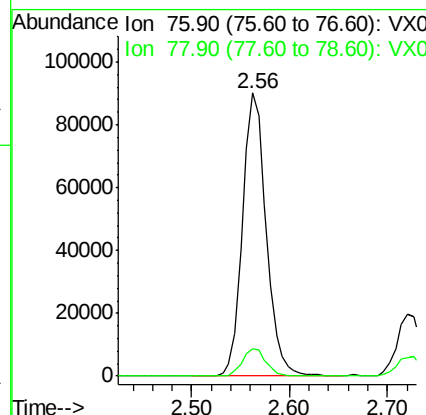
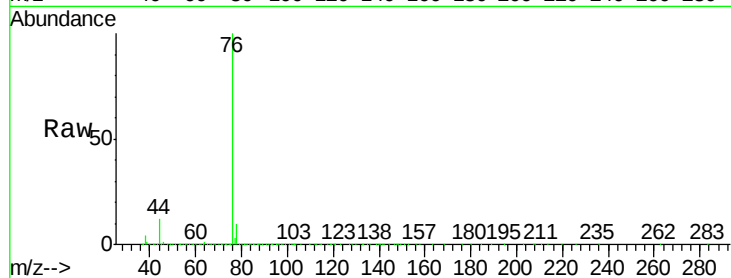
#17
Carbon Disulfide
Concen: 16.886 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.2	10.8

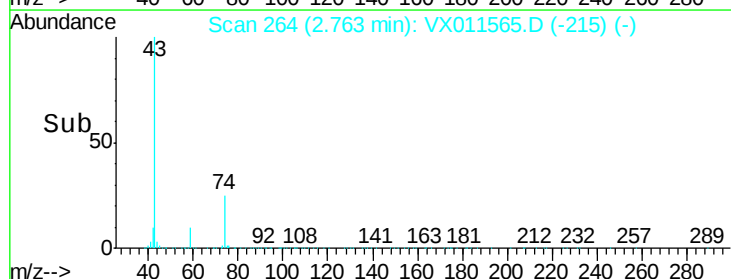
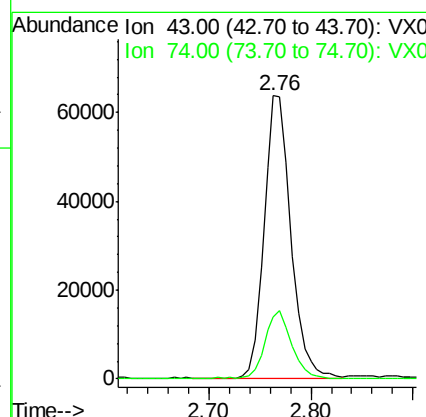
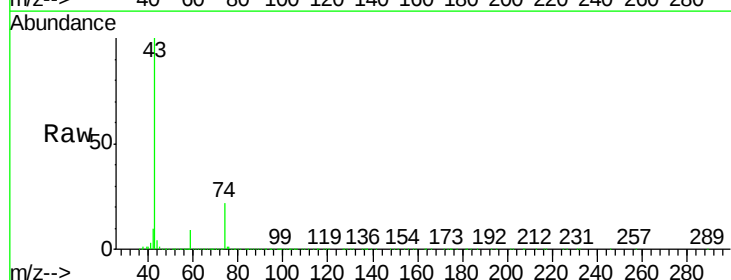
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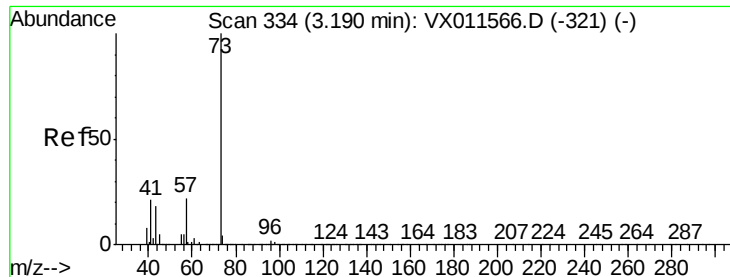
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#18
Methyl Acetate
Concen: 24.774 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.7	29.5





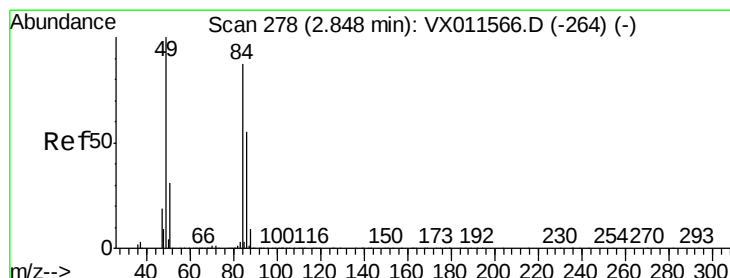
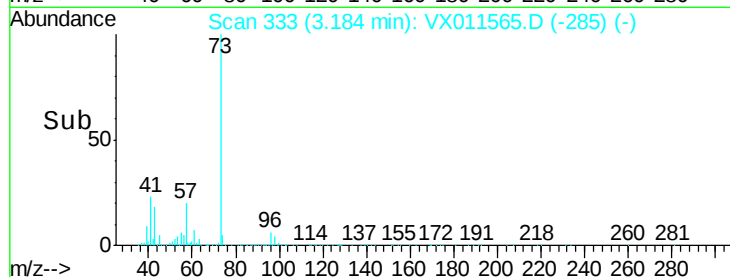
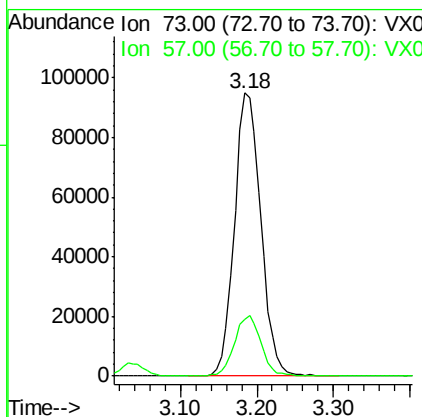
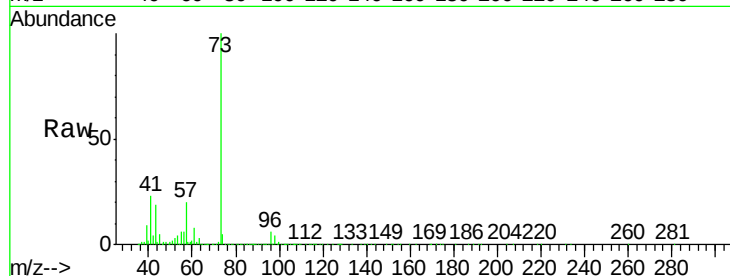
#19
Methyl tert-butyl Ether
Concen: 19.483 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.2	25.8

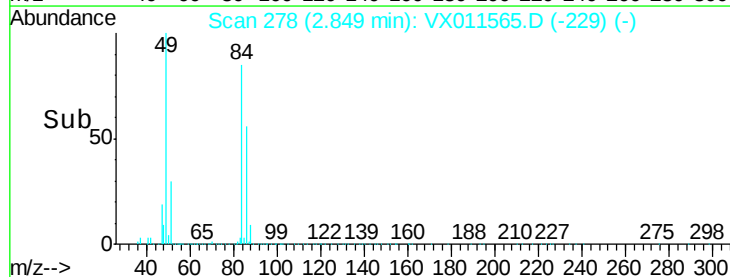
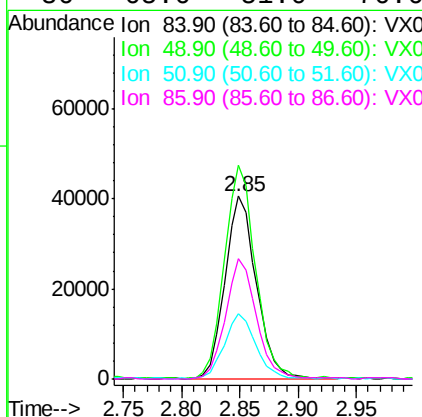
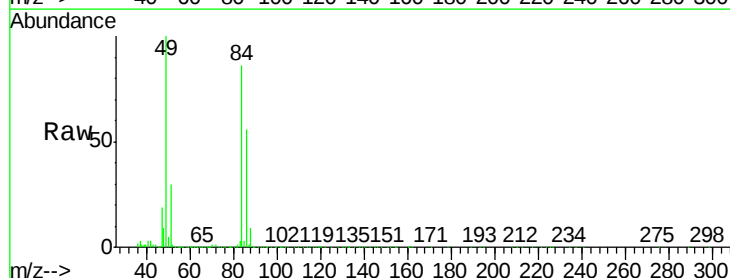
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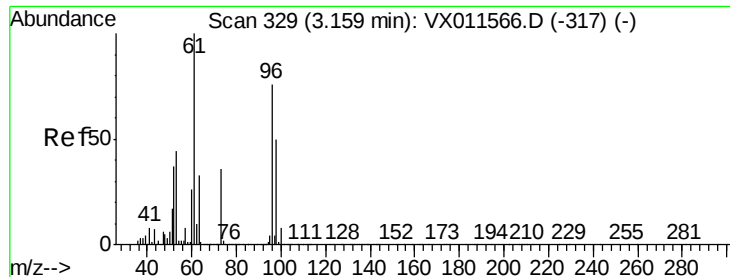
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#20
Methylene Chloride
Concen: 18.471 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.3	92.4	138.6
51	35.3	28.5	42.7
86	65.6	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.840 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

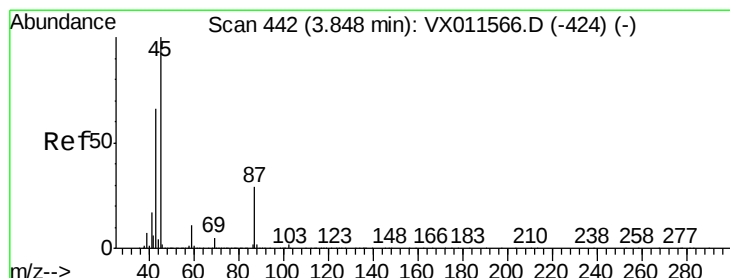
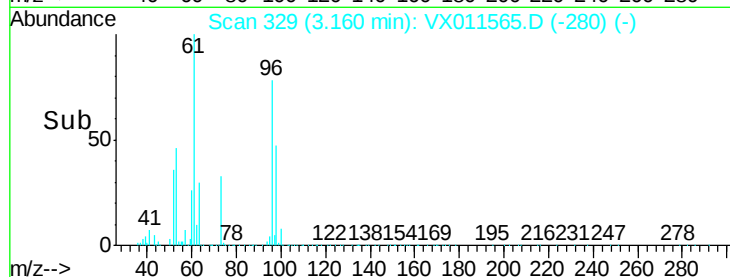
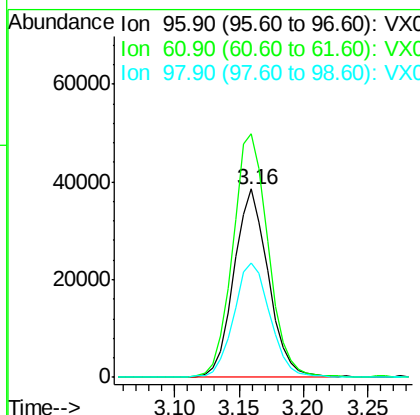
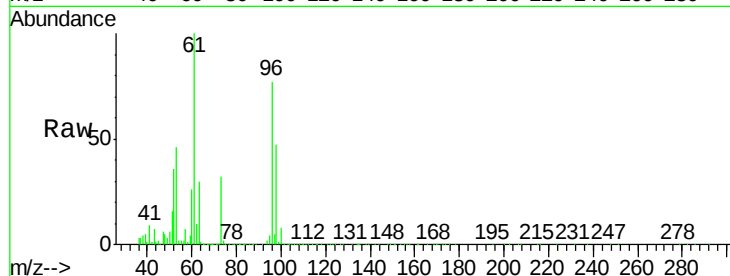
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	71378
Ion	Ratio	Lower	Upper
96	100		
61	128.9	105.5	158.3
98	60.8	52.6	78.8

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#22

Diisopropyl ether

Concen: 20.463 ug/l

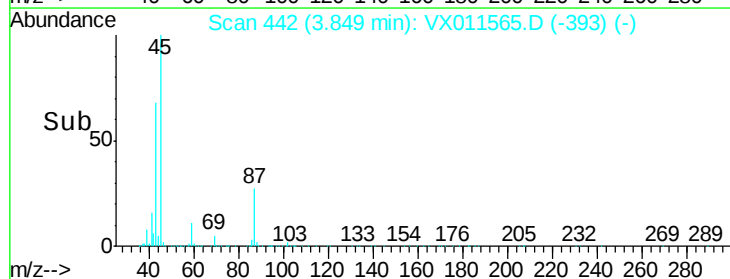
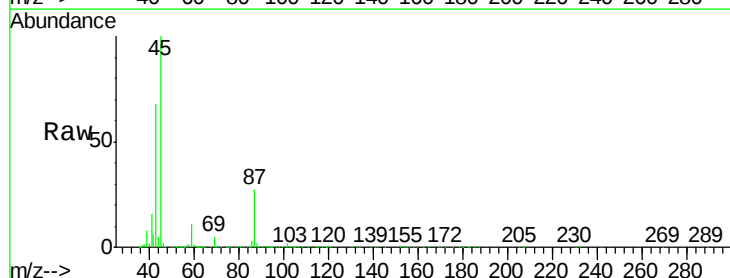
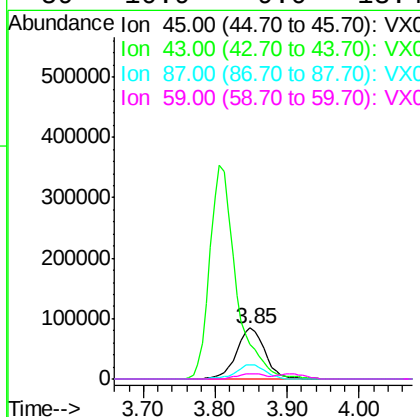
RT: 3.85 min Scan# 442

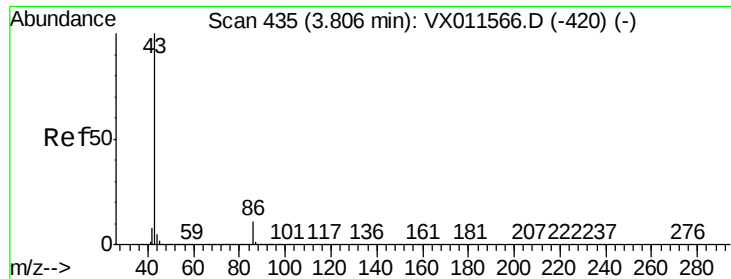
Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion:	45	Resp:	228499
Ion	Ratio	Lower	Upper
45	100		
43	67.6	52.7	79.1
87	26.8	23.5	35.3
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 97.766 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 909577

Ion Ratio Lower Upper

43 100

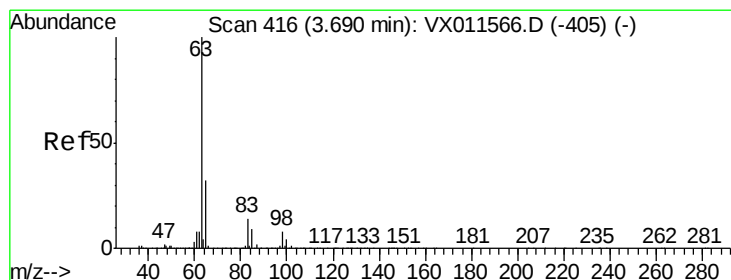
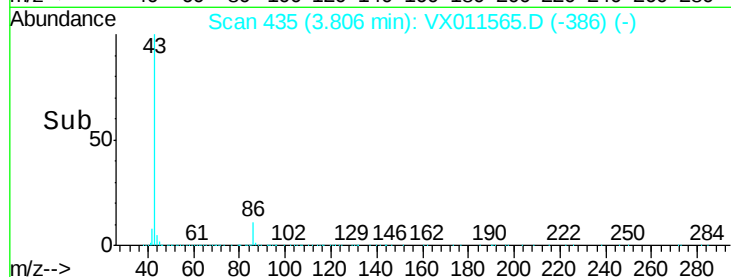
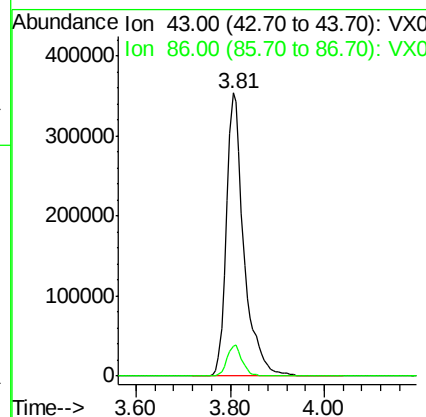
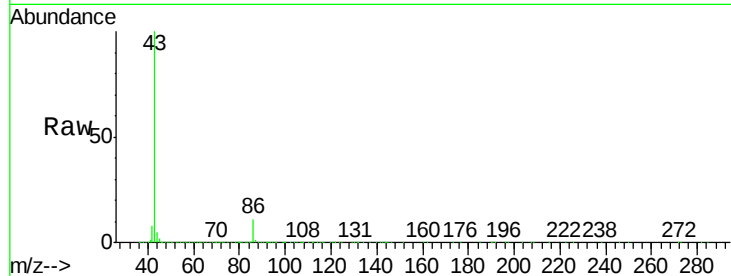
86 10.5 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 19.479 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

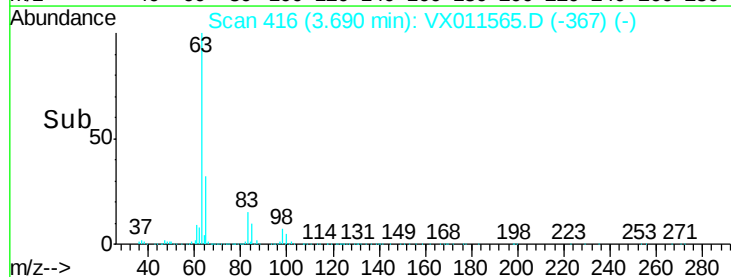
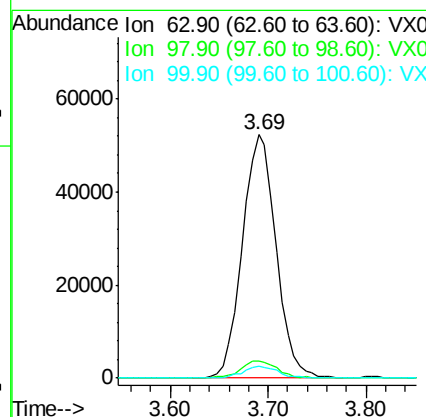
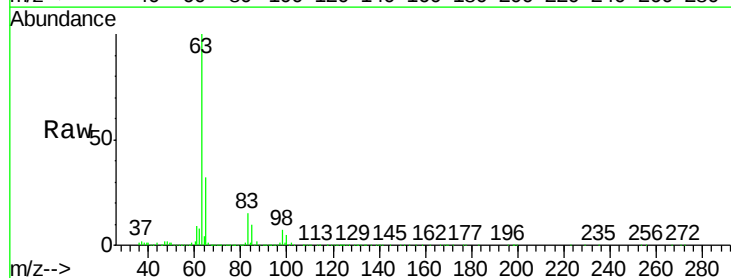
Tgt Ion: 63 Resp: 125231

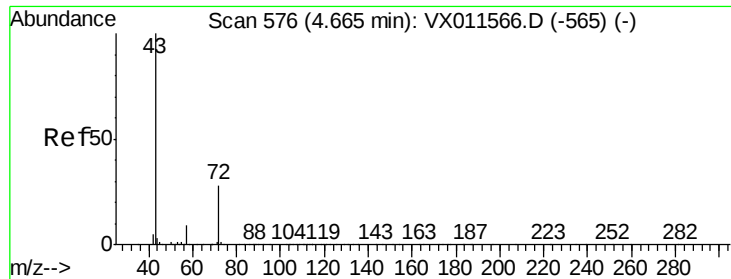
Ion Ratio Lower Upper

63 100

98 7.0 3.7 11.1

100 4.8 2.1 6.3





#25

2-Butanone

Concen: 105.323 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 297170

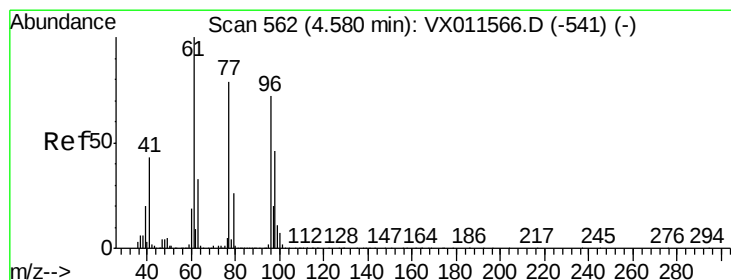
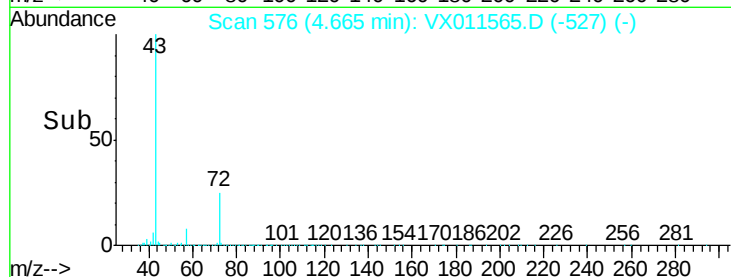
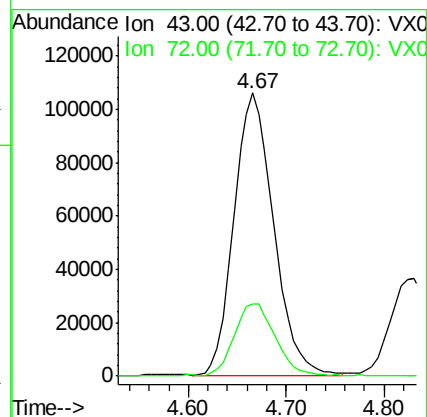
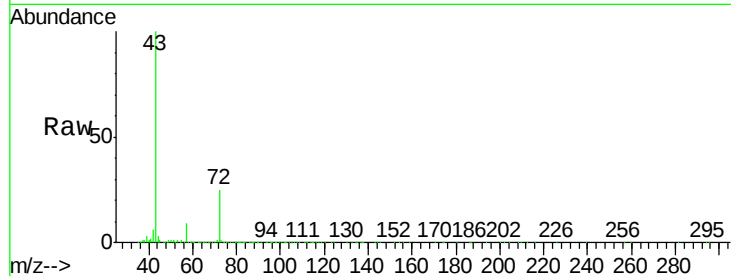
Ion Ratio Lower Upper

43 100

72 25.1 22.2 33.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.145 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX011565.D

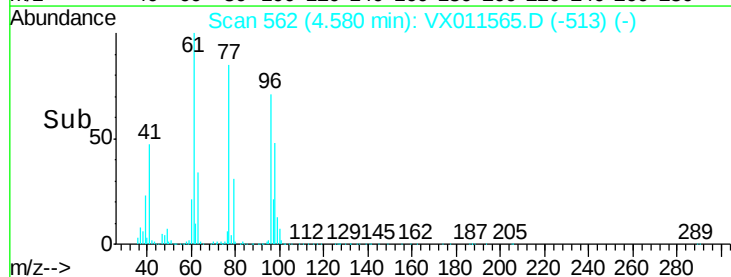
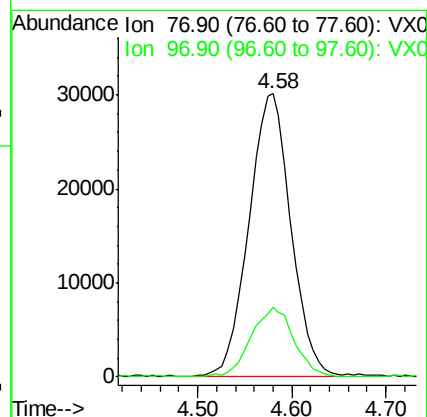
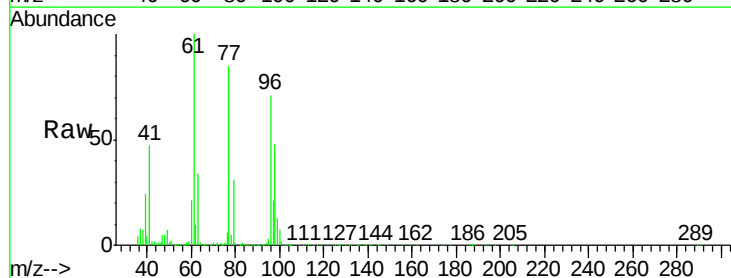
Acq: 15 Aug 2019 18:27

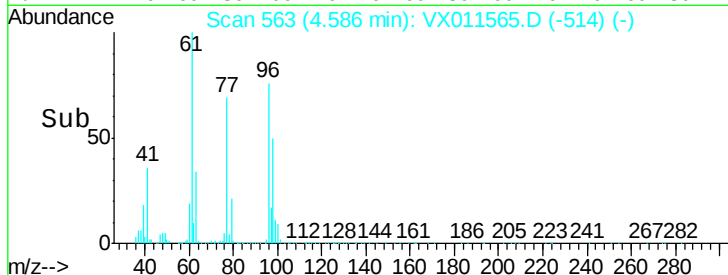
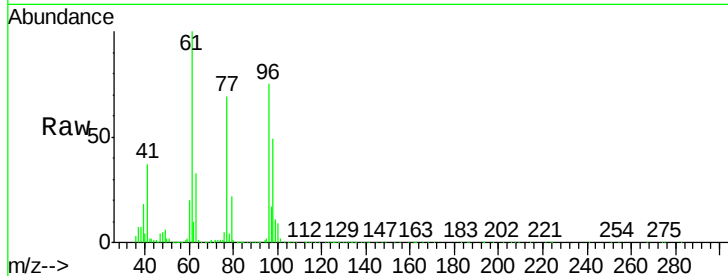
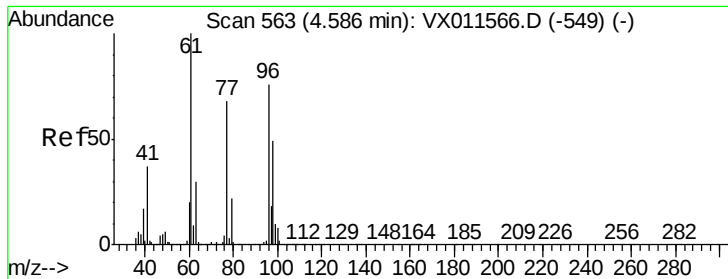
Tgt Ion: 77 Resp: 94298

Ion Ratio Lower Upper

77 100

97 25.2 12.4 37.2





#27

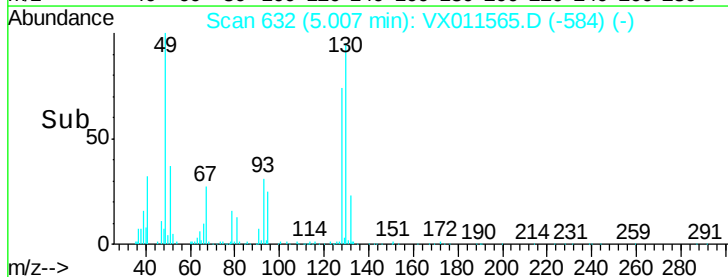
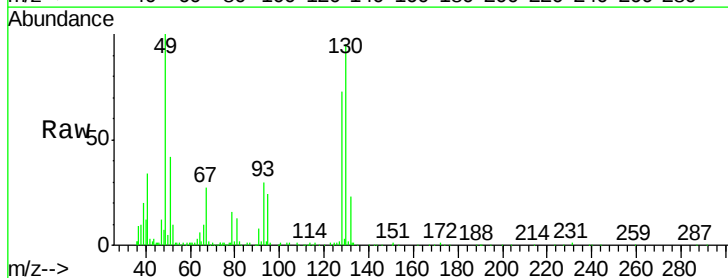
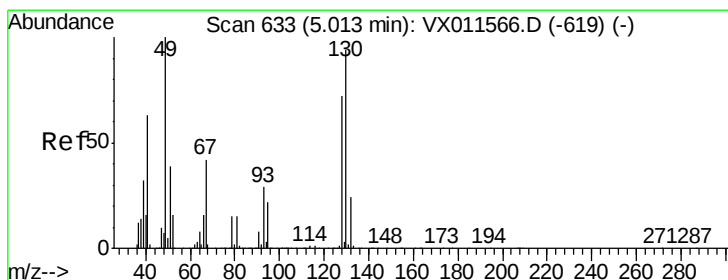
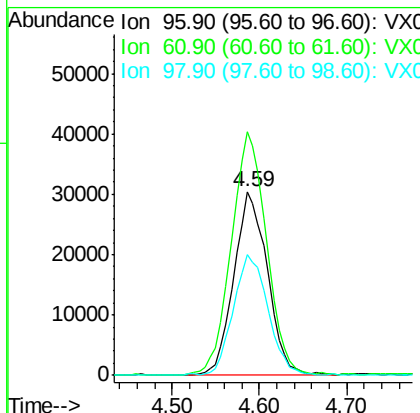
cis-1,2-Dichloroethene
Concen: 18.481 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tot Ion	Ratio	Resp	Lower	Upper
96	100	81492		
61	138.6	0.0	272.6	
98	68.0	0.0	129.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Manual Integrations
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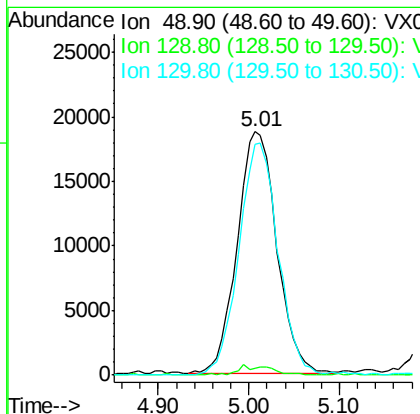
MMDadoda
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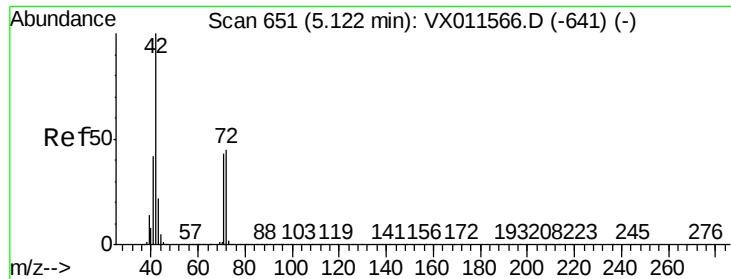


#28

Bromochloromethane
Concen: 18.946 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	56987		
129	1.7	0.0	5.0	
130	94.2	76.6	115.0	





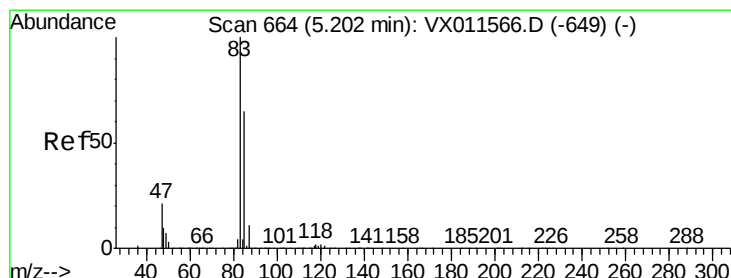
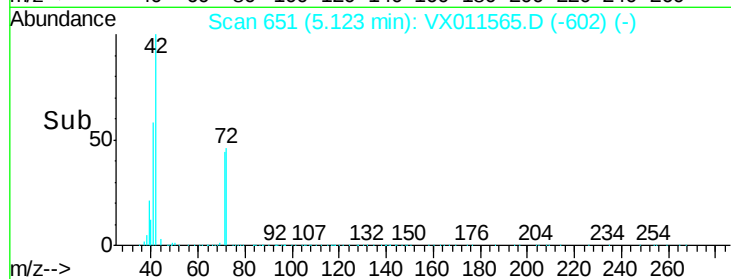
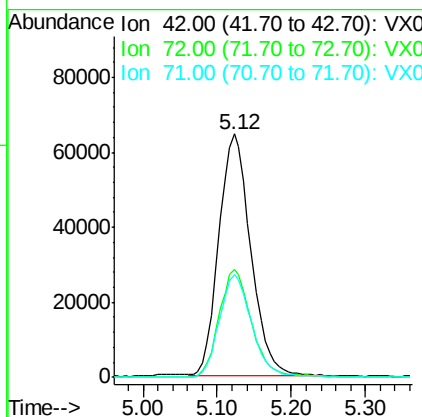
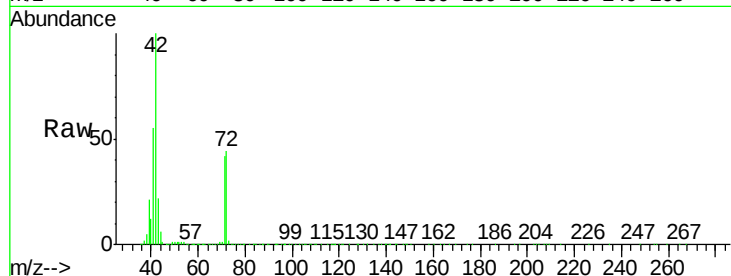
#29
Tetrahydrofuran
Concen: 106.340 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.1	54.1
71	43.3	33.8	50.8

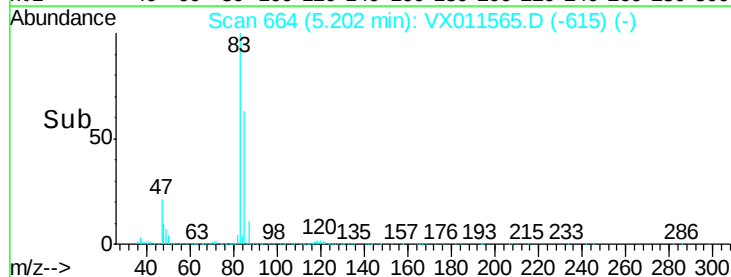
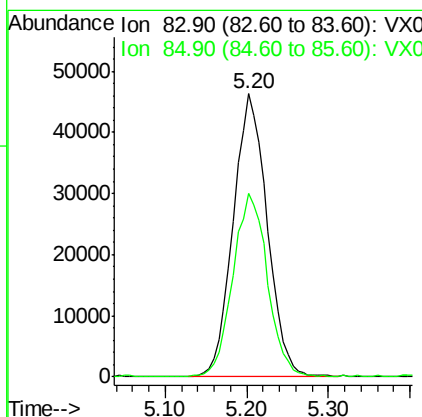
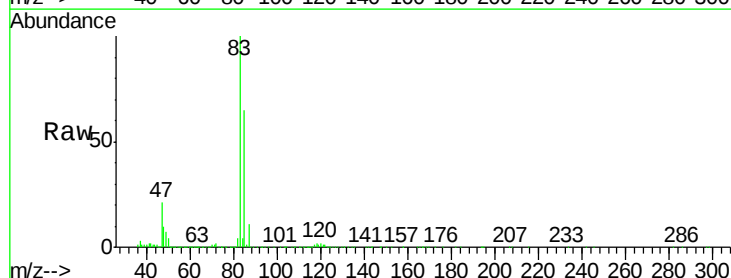
Manual Integrations
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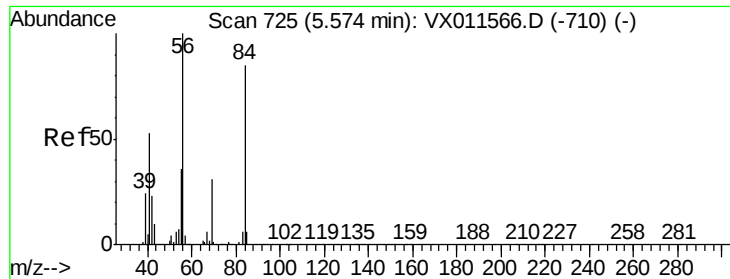
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#30
Chloroform
Concen: 19.162 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9





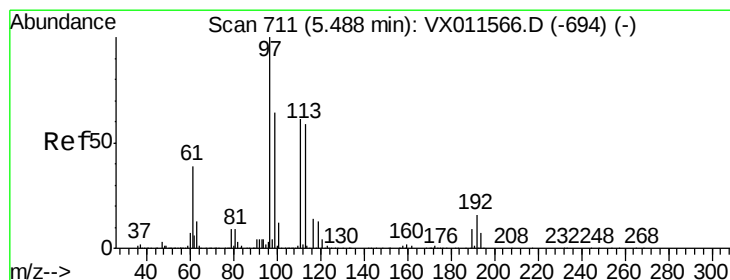
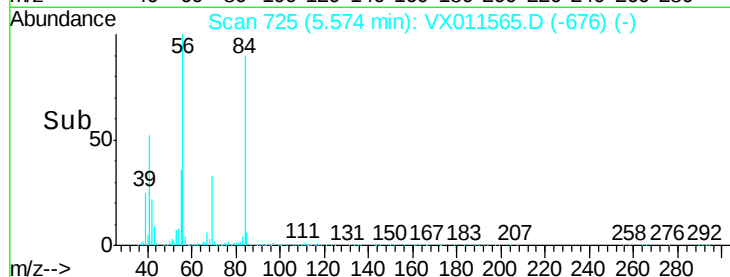
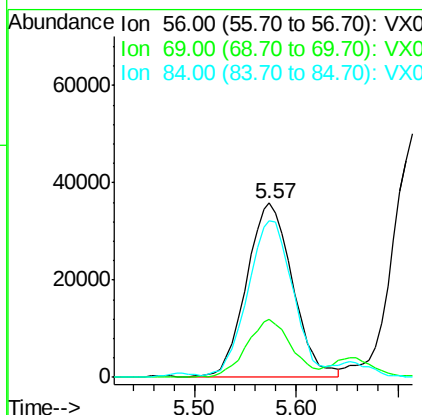
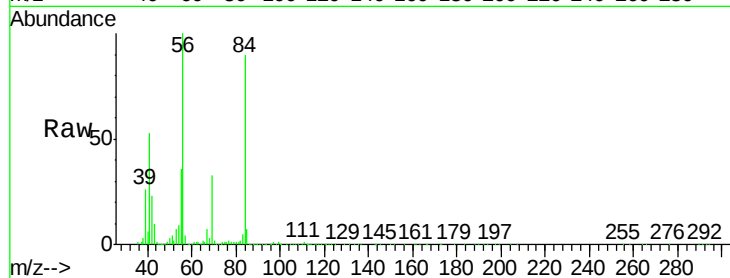
#31
Cyclohexane
Concen: 19.174 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	24.8	37.2
84	88.5	67.9	101.9

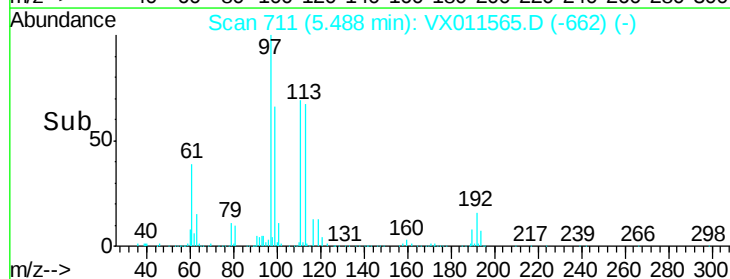
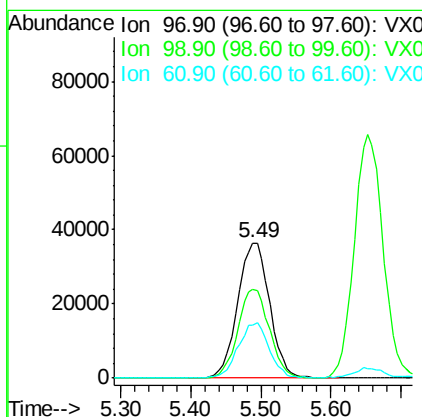
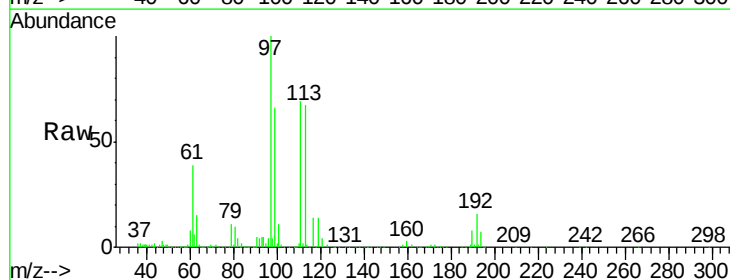
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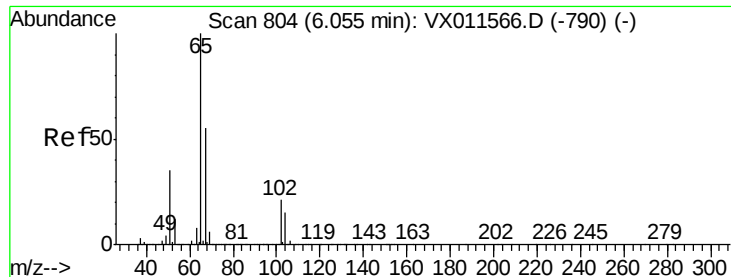
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#32
1,1,1-Trichloroethane
Concen: 19.328 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	38.4	31.4	47.2





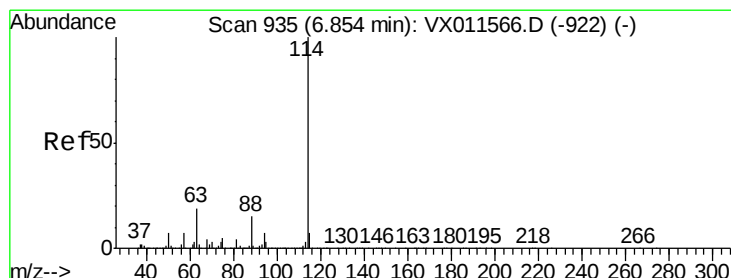
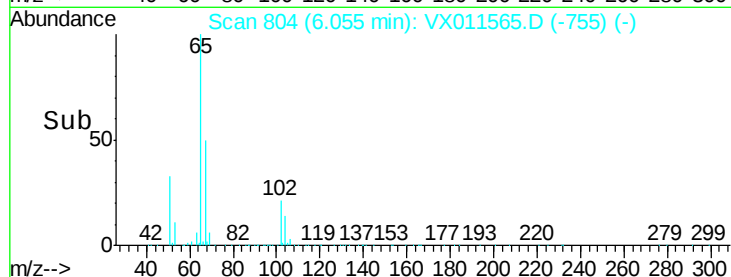
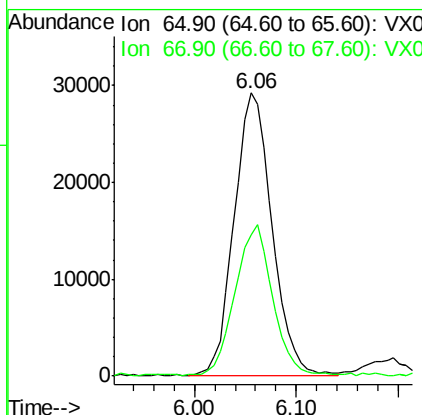
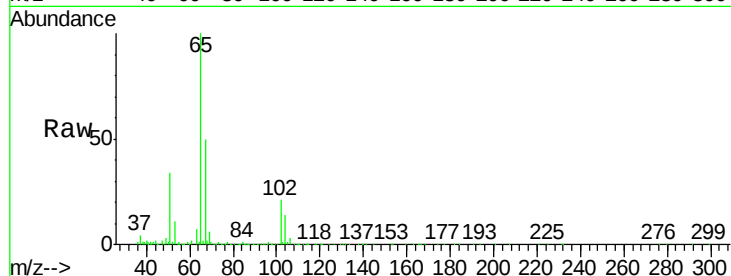
#33
 1,2-Dichloroethane-d4
 Concen: 18.057 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	107.6

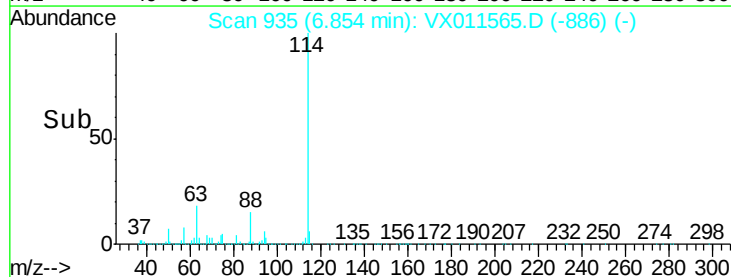
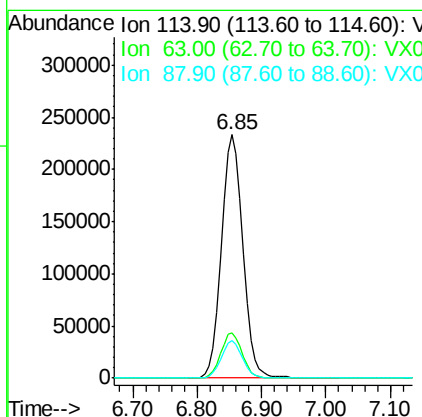
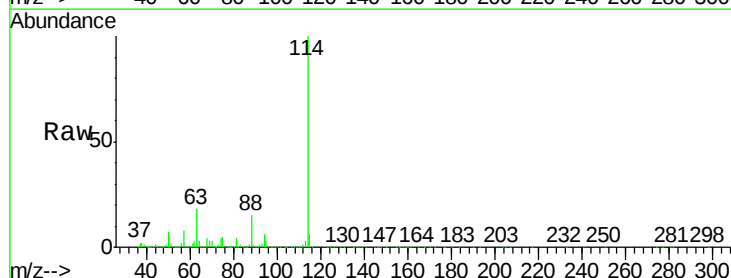
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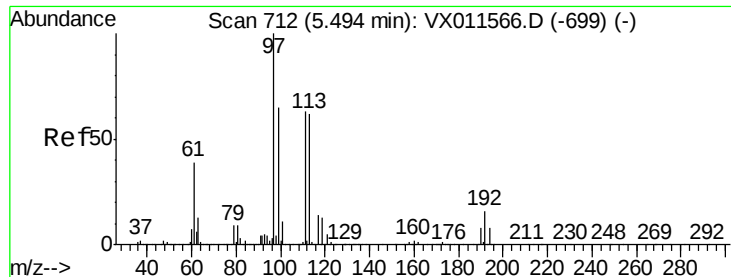
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	37.8
88	15.2	0.0	30.2





#35

Dibromofluoromethane

Concen: 21.107 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

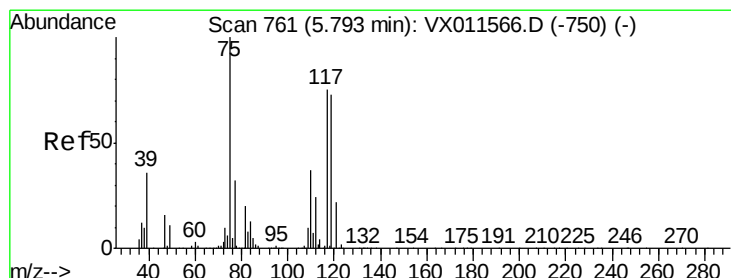
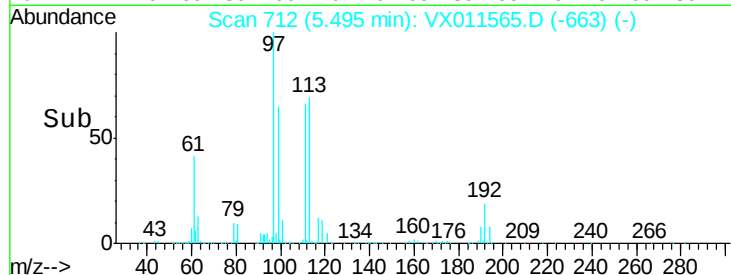
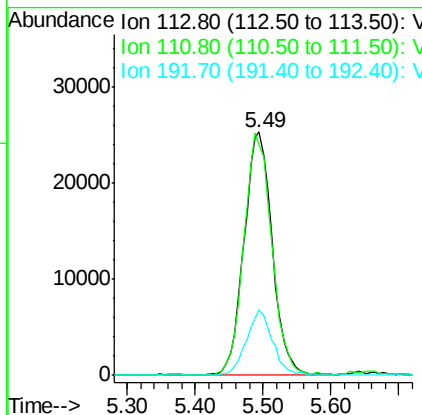
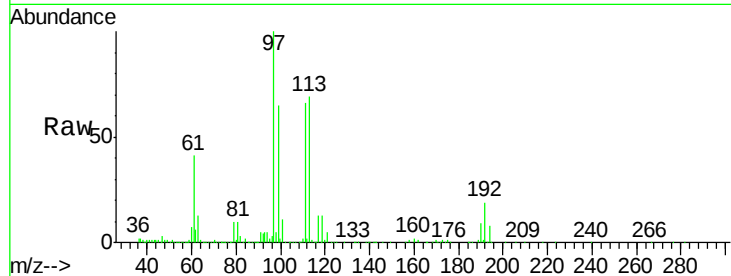
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	73108
Ion Ratio	Lower	Upper	
113	100		
111	98.4	81.1	121.7
192	25.0	20.8	31.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.764 ug/l

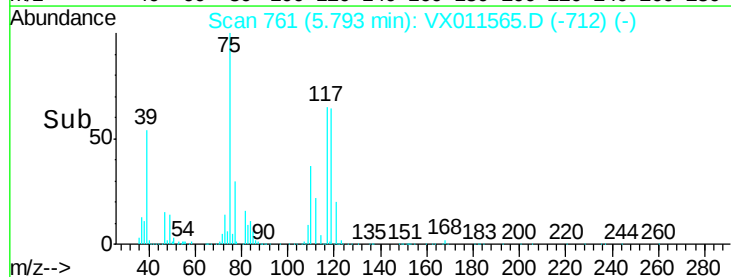
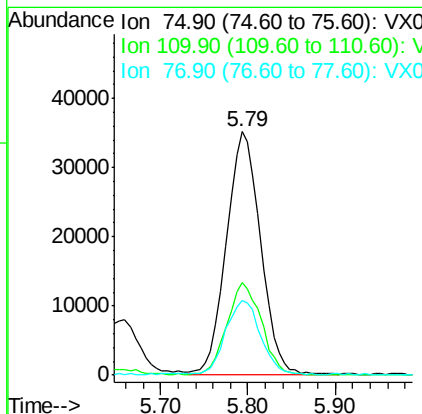
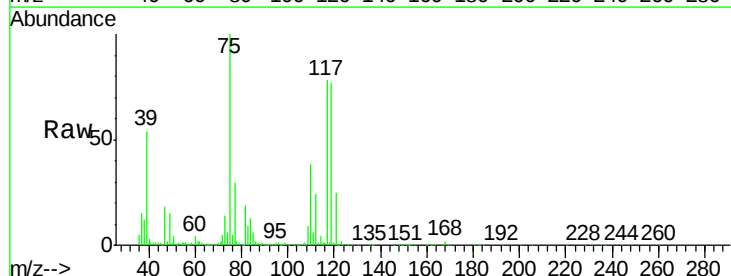
RT: 5.79 min Scan# 761

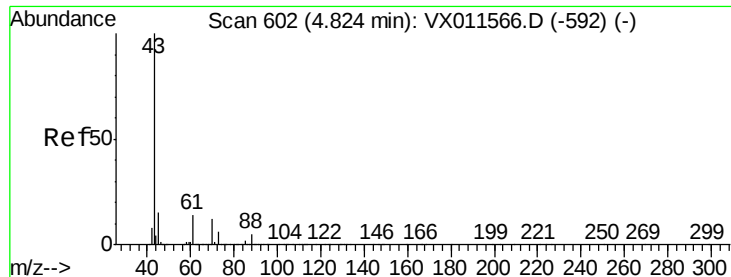
Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion:	75	Resp:	94815
Ion Ratio	Lower	Upper	
75	100		
110	39.0	19.4	58.1
77	31.0	25.1	37.7





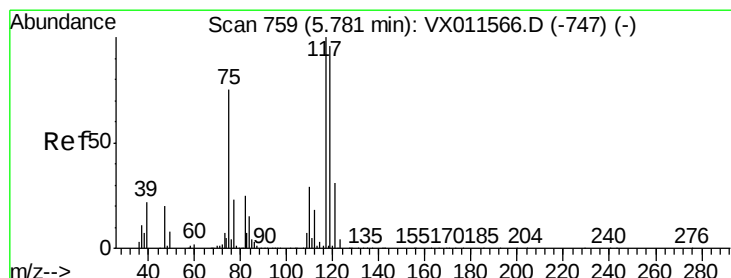
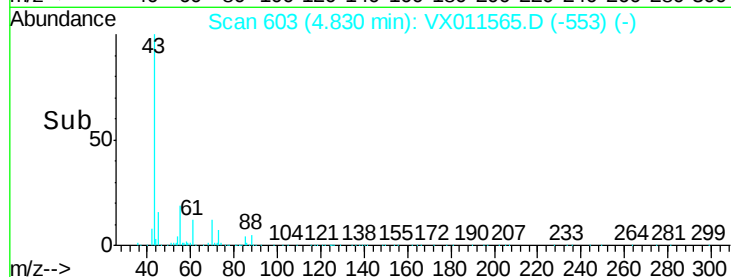
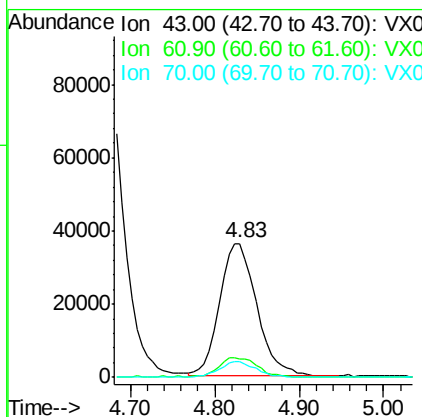
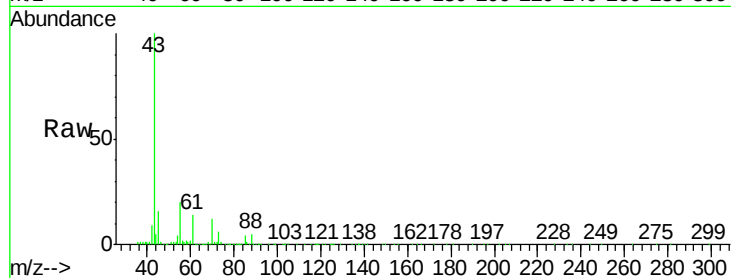
#37
Ethyl Acetate
Concen: 23.079 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.01 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	109797
Ion Ratio	Lower	Upper	
43	100		
61	14.6	11.4	17.0
70	11.3	9.0	13.6

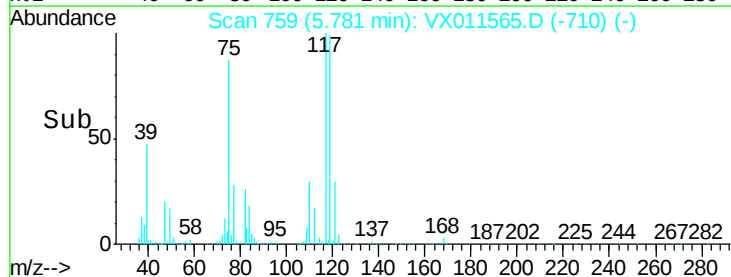
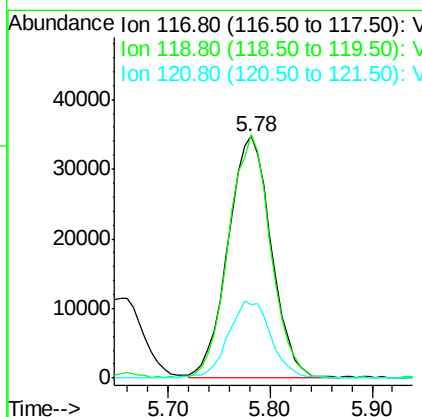
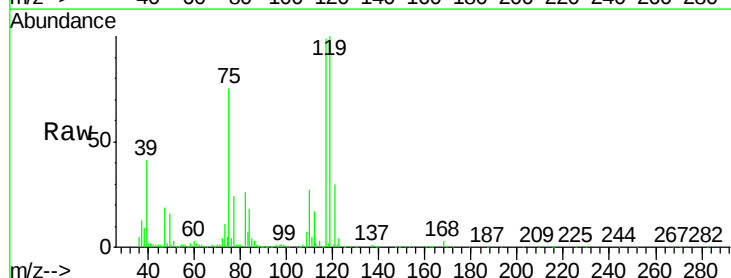
Manual Integrations
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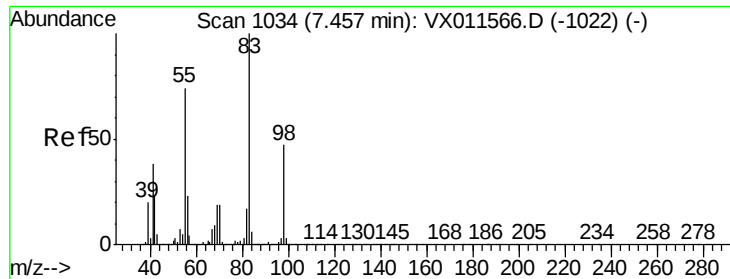
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#38
Carbon Tetrachloride
Concen: 21.116 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	117	Resp	101310
Ion Ratio	Lower	Upper	
117	100		
119	100.6	76.9	115.3
121	30.1	24.8	37.2





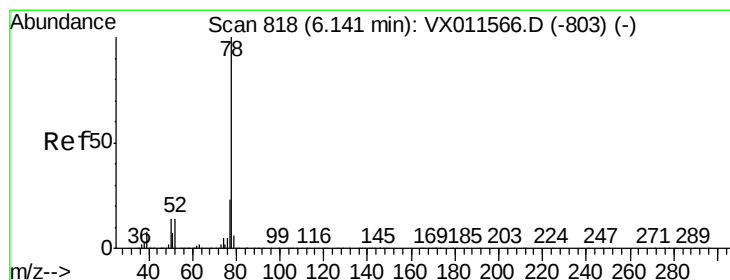
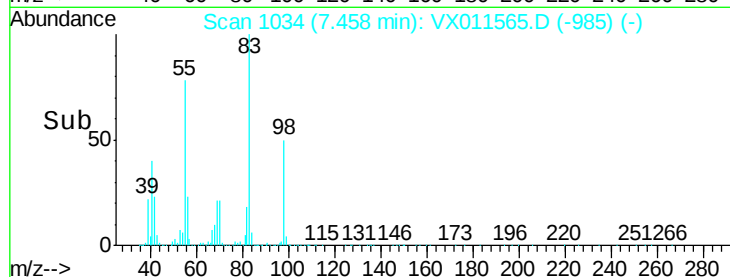
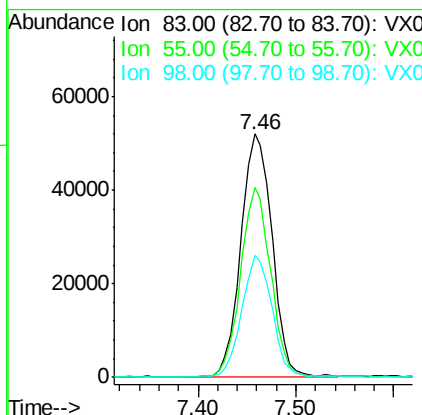
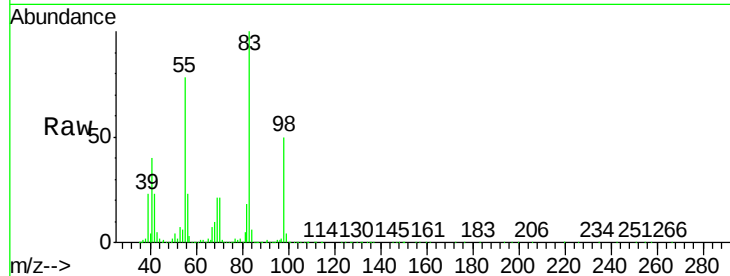
#39
Methvlcvclohexane
Concen: 19.626 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	58.8	88.2
98	49.7	37.8	56.6

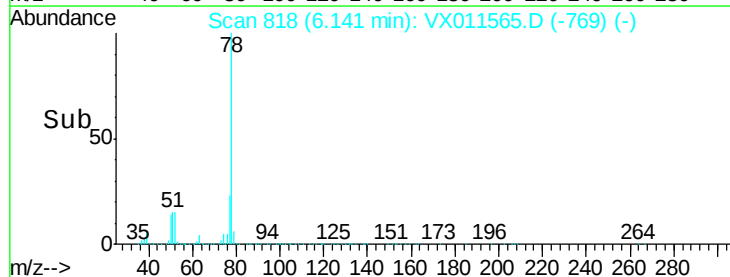
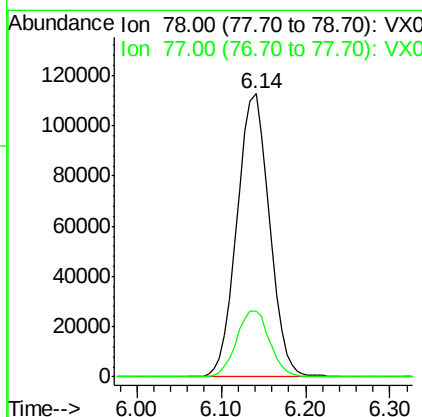
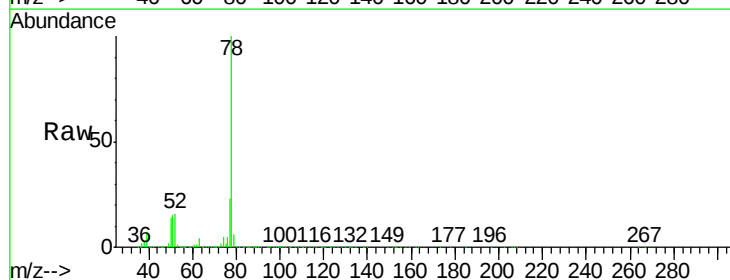
Manual Integrations
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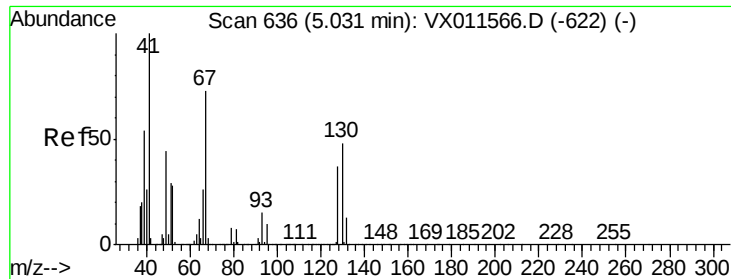
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#40
Benzene
Concen: 21.022 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





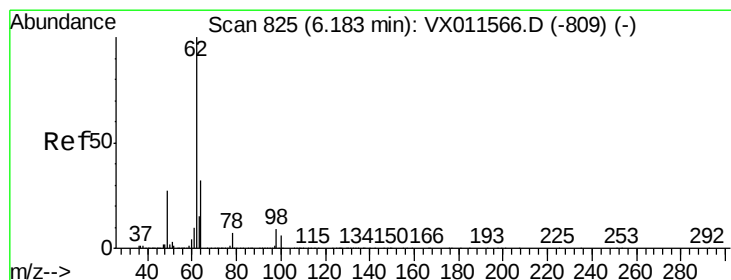
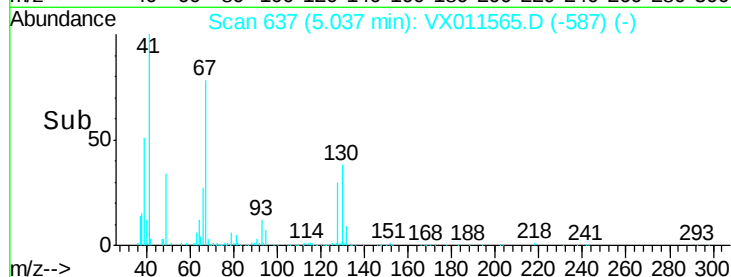
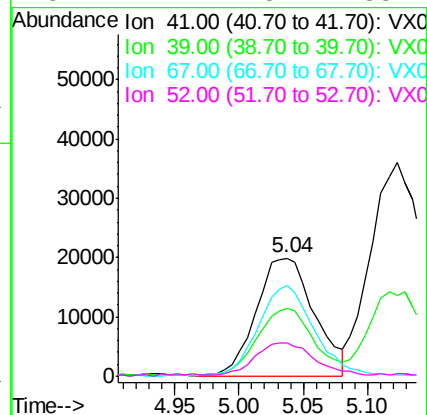
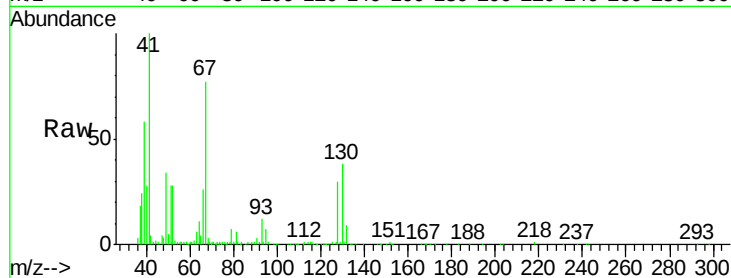
#41
Methacrylonitrile
Concen: 22.805 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	43.5	65.3	
67	72.5	59.4	89.2	
52	27.4	23.4	35.2	

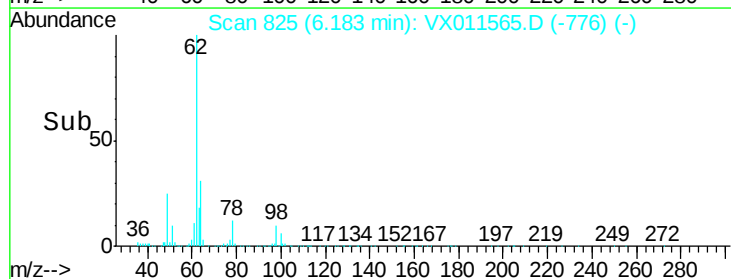
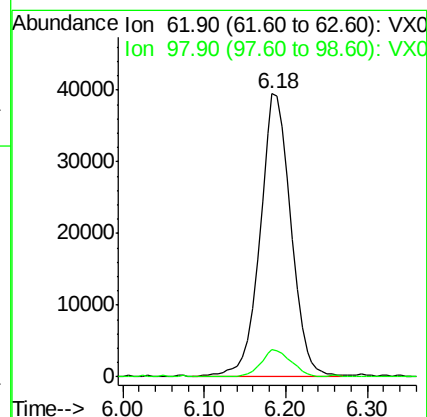
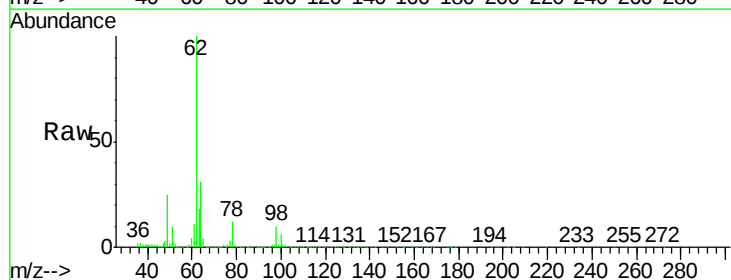
Manual Integrations
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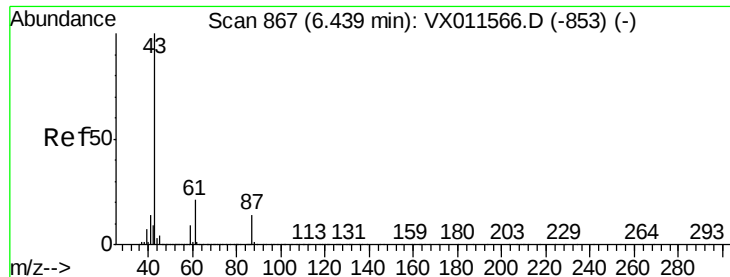
MMDadoda
8/16/2019 8:29:26 AM



#42
1,2-Dichloroethane
Concen: 21.036 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	19.4	





#43

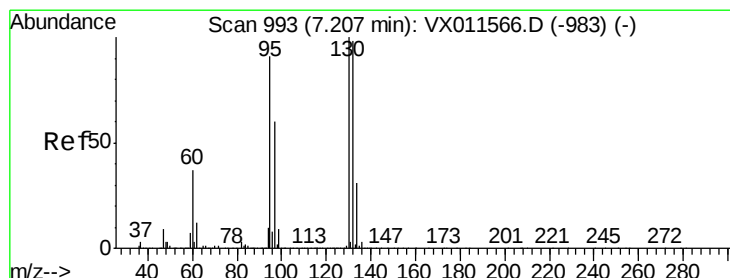
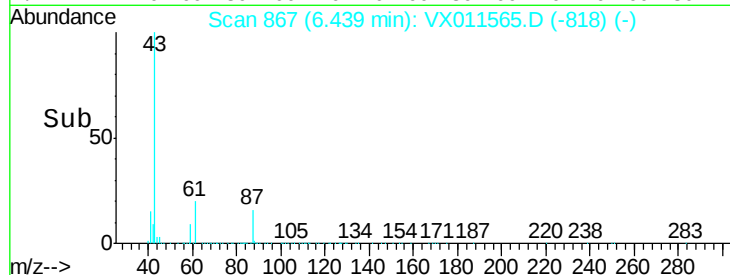
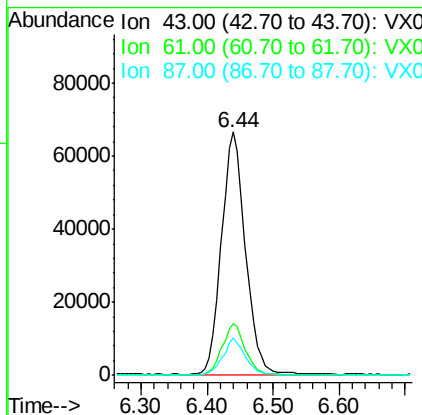
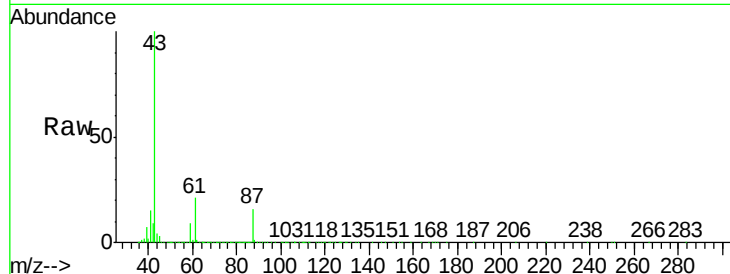
Isopropyl Acetate
 Concen: 21.438 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.6	24.8
87	14.2	11.4	17.2

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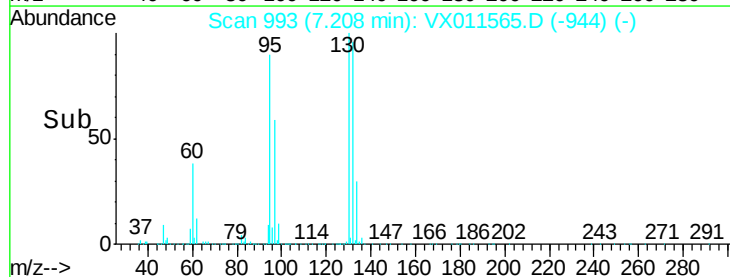
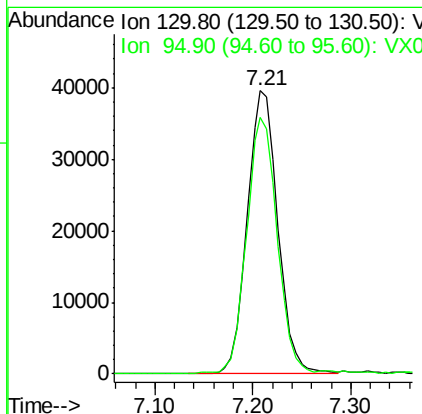
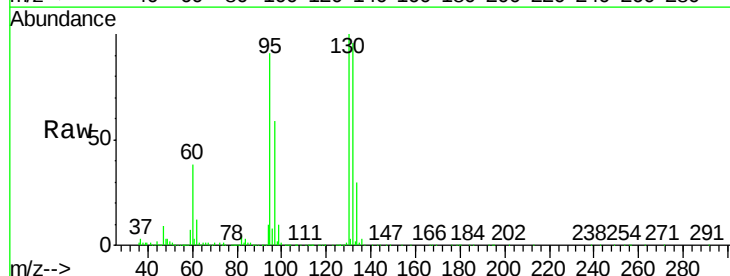
MMDadoda
 8/16/2019 8:29:26 AM

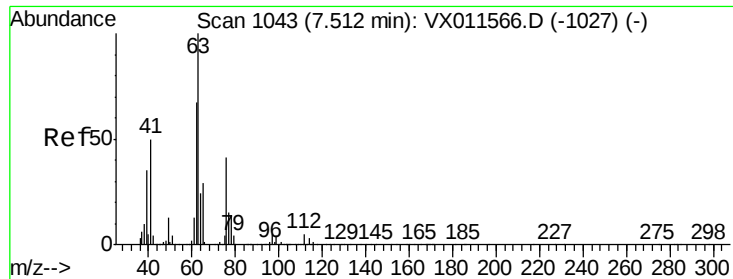


#44

Trichloroethene
 Concen: 20.773 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	181.4





#45

1,2-Dichloropropane

Concen: 20.496 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 73272

Ion Ratio Lower Upper

63 100

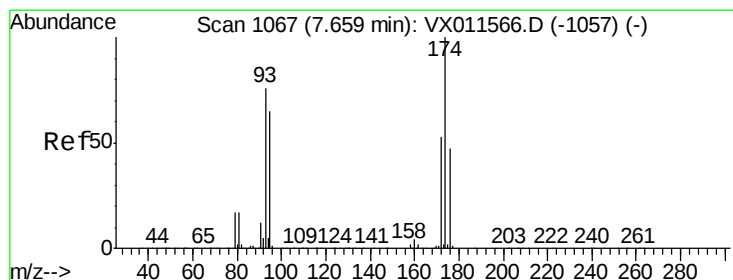
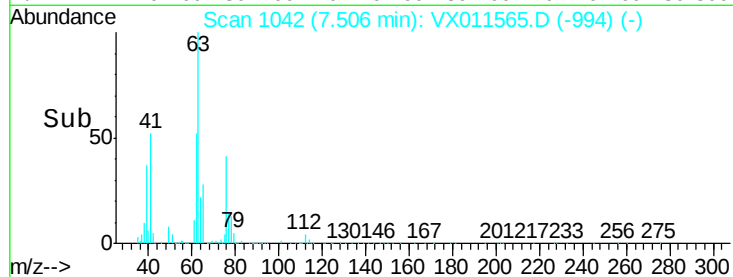
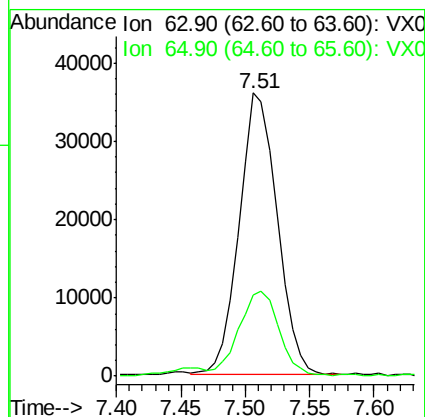
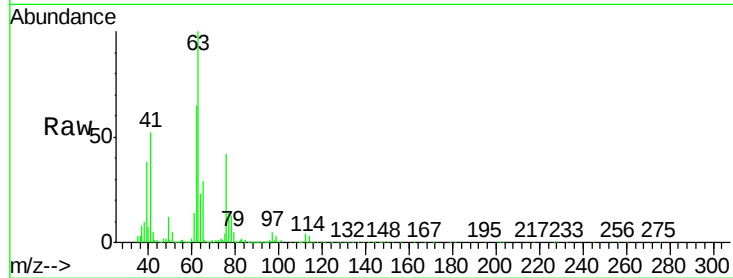
65 28.5 23.4 35.2

Manual Integrations

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#46

Dibromomethane

Concen: 20.211 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

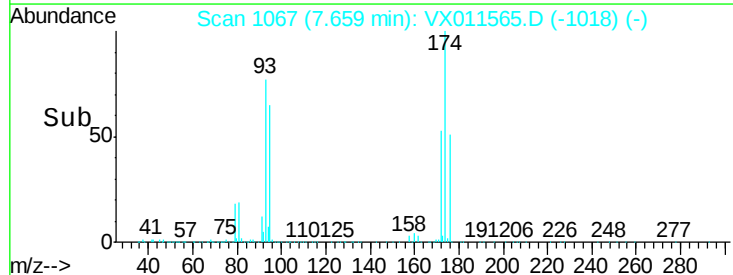
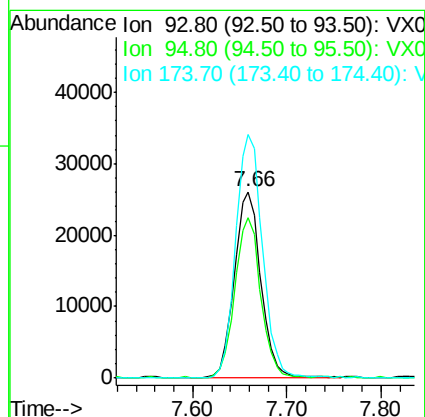
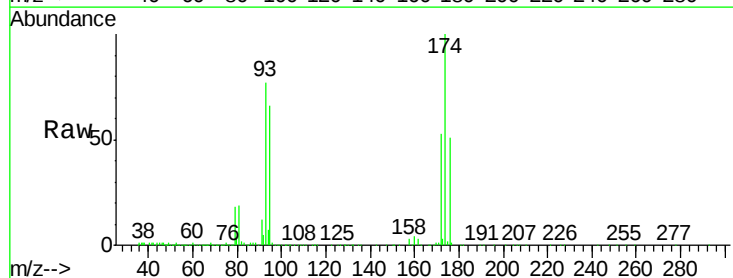
Tgt Ion: 93 Resp: 51160

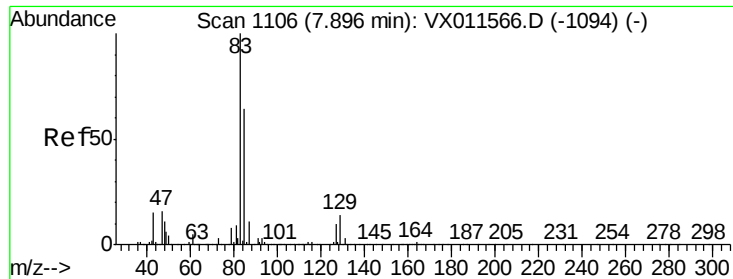
Ion Ratio Lower Upper

93 100

95 82.7 67.2 100.8

174 132.2 105.5 158.3





#47

Bromodichloromethane

Concen: 20.971 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

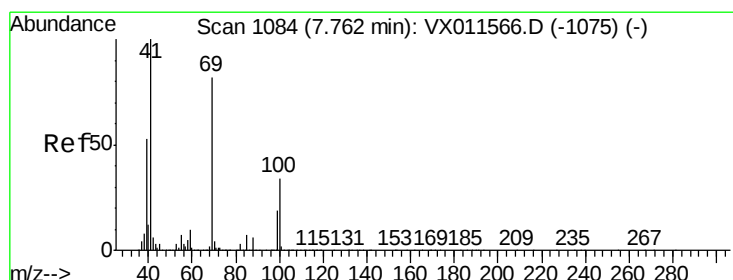
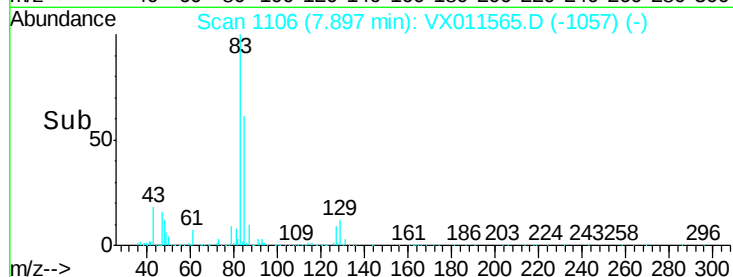
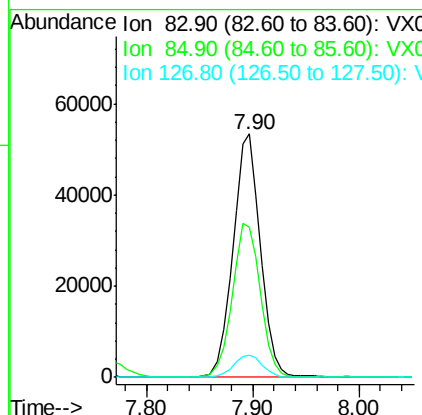
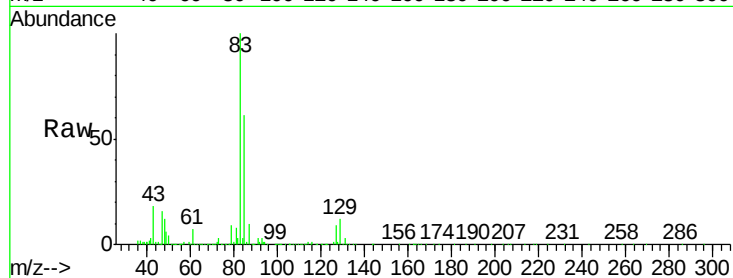
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	95535
Ion Ratio	Lower	Upper	
83	100		
85	61.5	51.2	76.8
127	9.4	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.832 ug/l

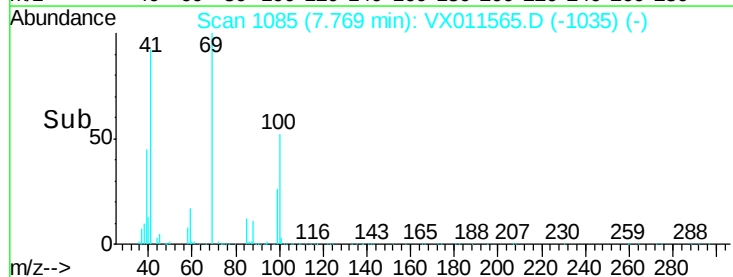
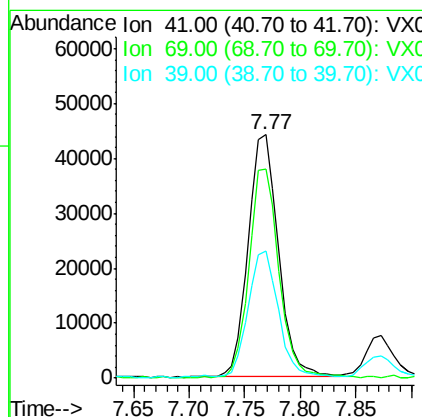
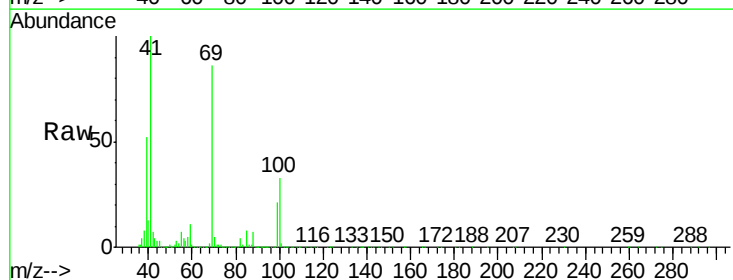
RT: 7.77 min Scan# 1085

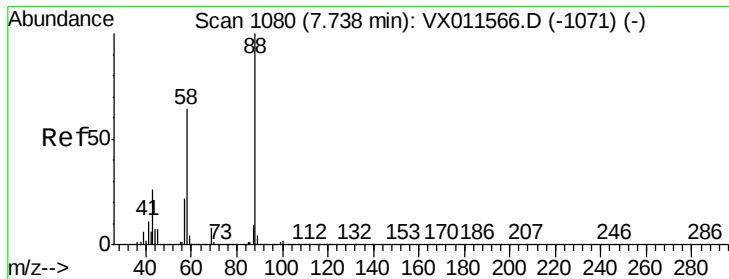
Delta R.T. 0.01 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion:	41	Resp:	83567
Ion Ratio	Lower	Upper	
41	100		
69	85.2	67.9	101.9
39	51.7	41.6	62.4





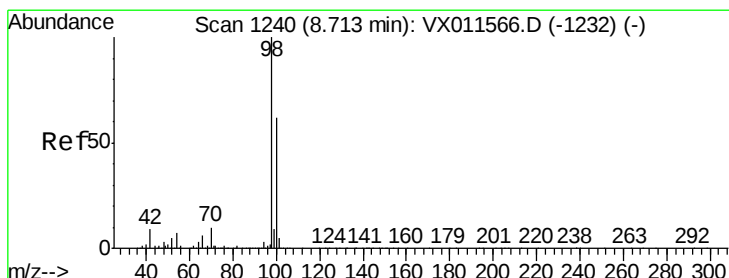
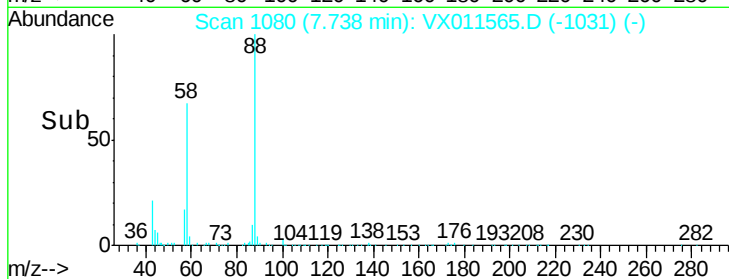
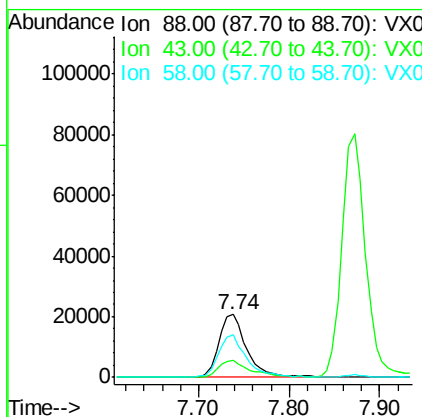
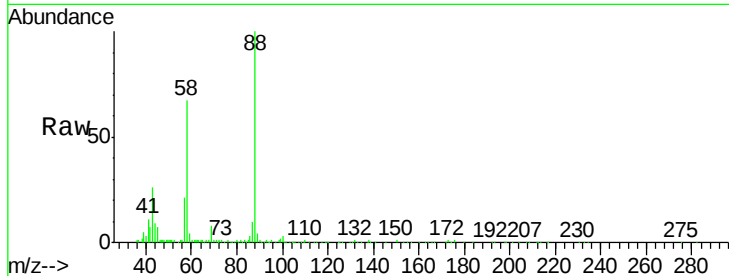
#49
1,4-Dioxane
Concen: 415.473 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.4	35.0
58	67.9	54.3	81.5

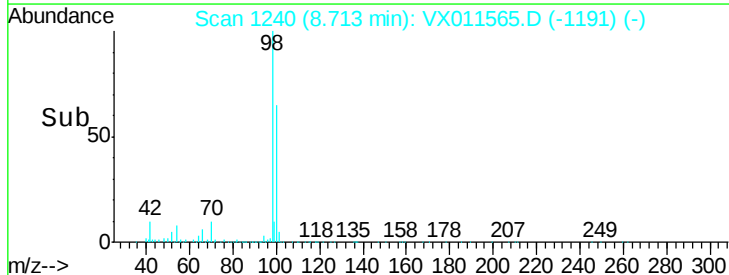
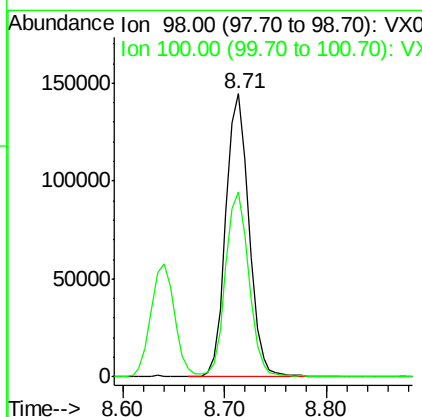
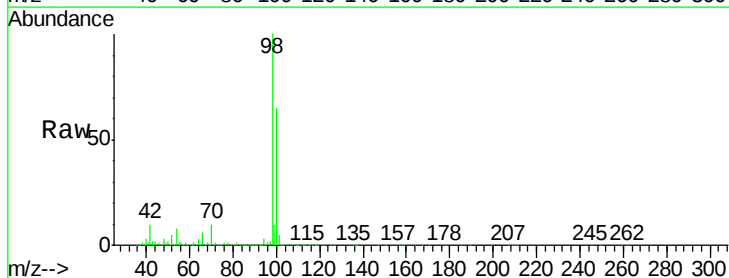
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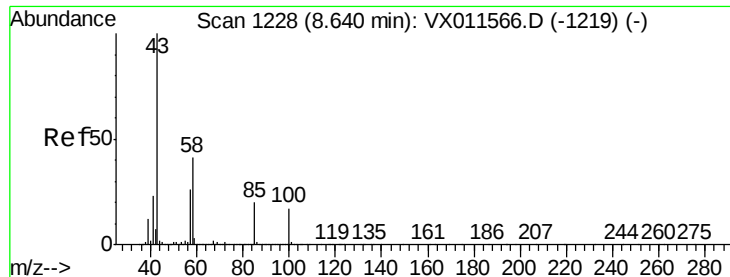
MMDadoda
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#50
Toluene-d8
Concen: 18.016 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 111.894 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 566326

Ion Ratio Lower Upper

43 100

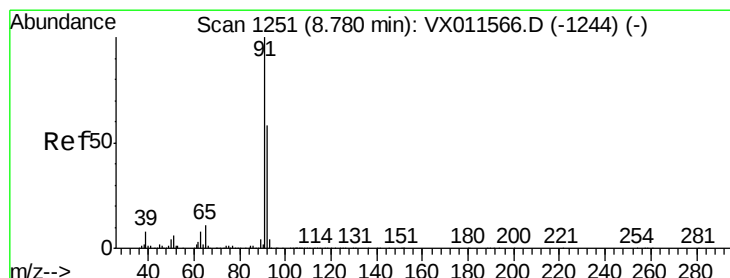
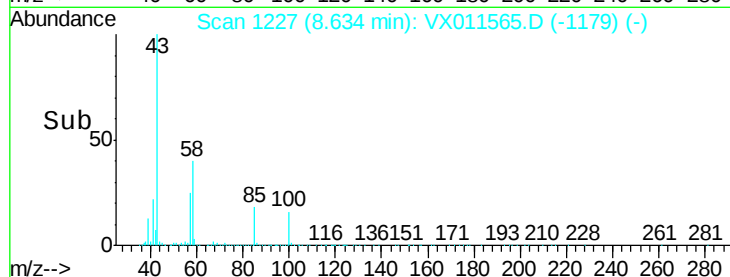
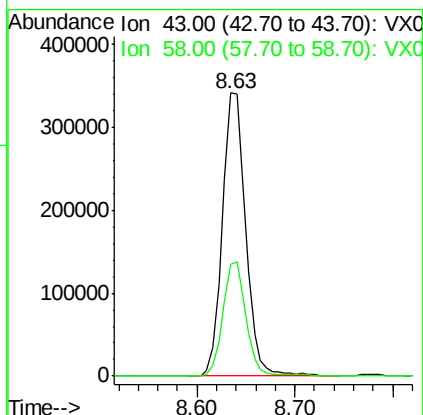
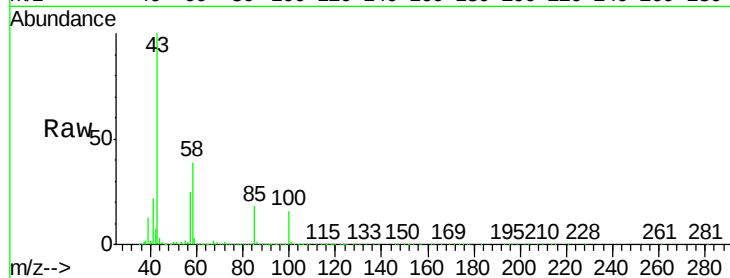
58 39.6 31.8 47.6

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#52

Toluene

Concen: 20.513 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011565.D

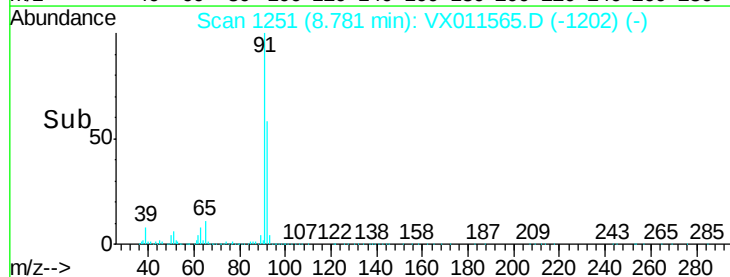
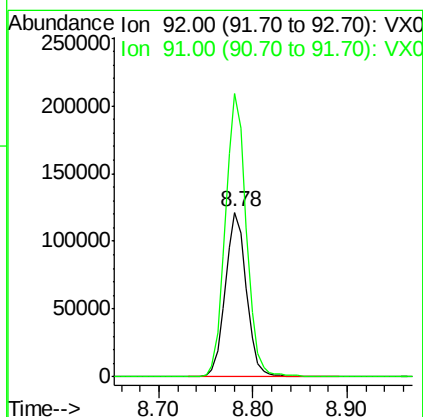
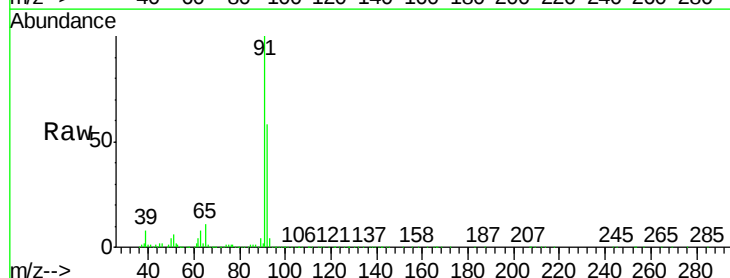
Acq: 15 Aug 2019 18:27

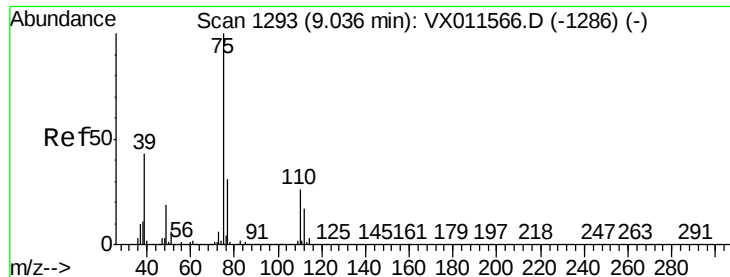
Tgt Ion: 92 Resp: 187825

Ion Ratio Lower Upper

92 100

91 172.5 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 20.173 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 98489

Ion Ratio Lower Upper

75 100

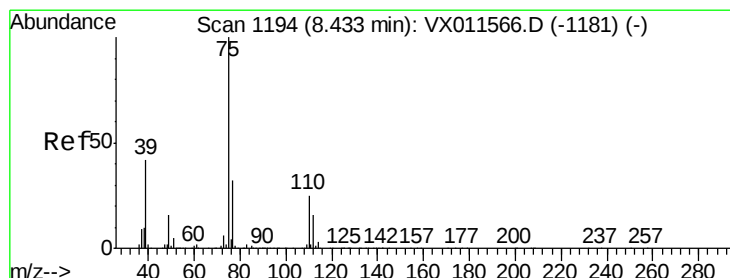
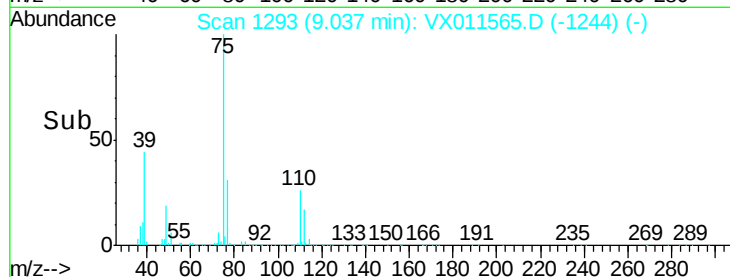
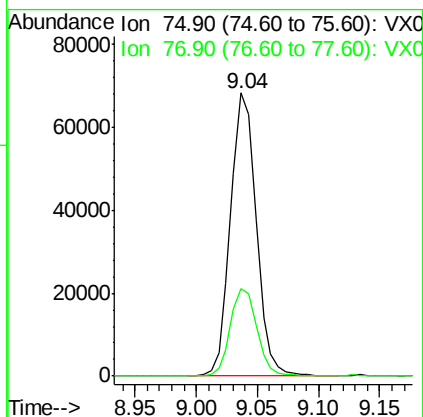
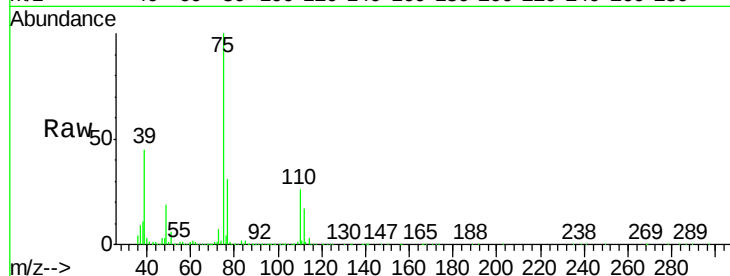
77 30.9 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 20.583 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

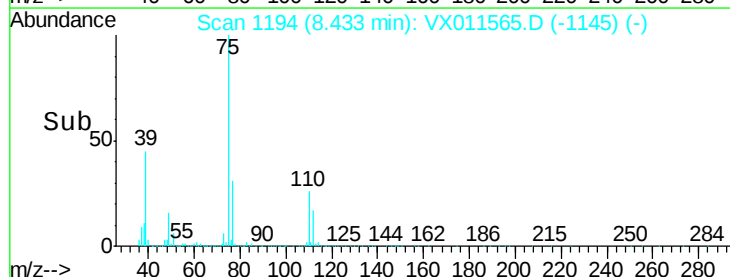
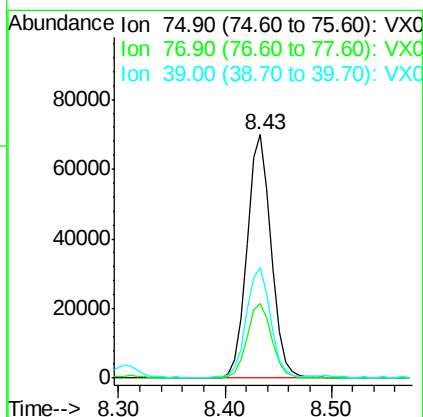
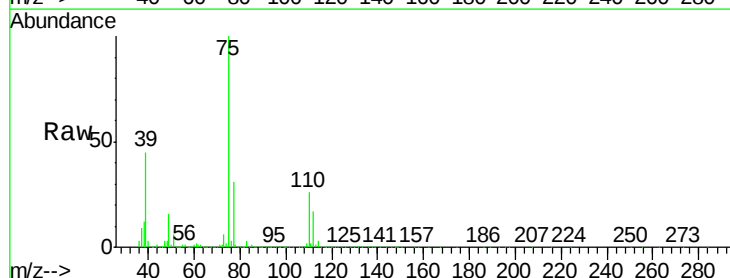
Tgt Ion: 75 Resp: 111497

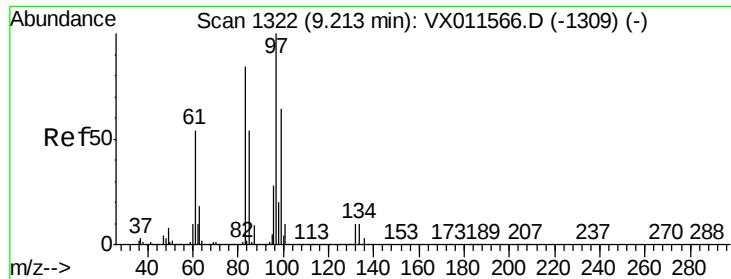
Ion Ratio Lower Upper

75 100

77 30.6 25.5 38.3

39 44.9 33.6 50.4





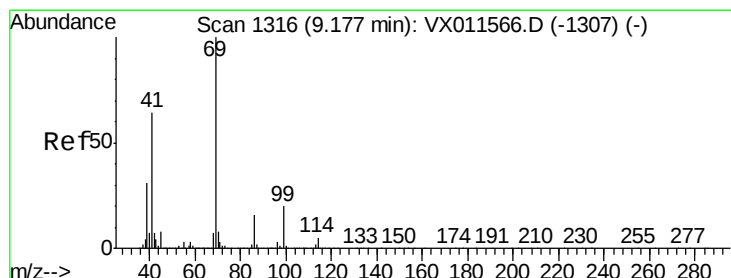
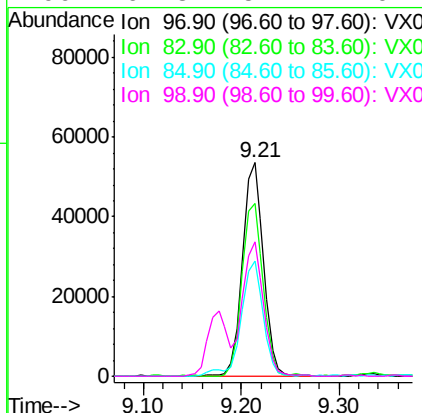
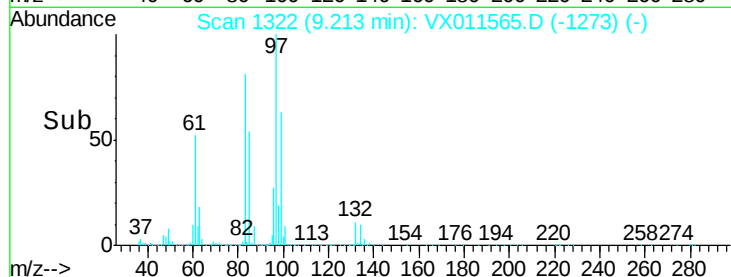
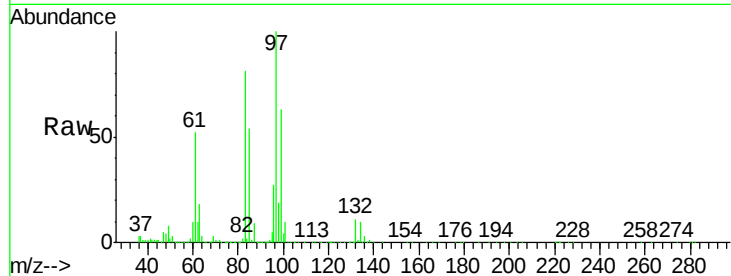
#55
 1,1,2-Trichloroethane
 Concen: 20.976 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		79395		
83	80.9	67.4	101.0		
85	54.0	43.4	65.2		
99	62.8	51.1	76.7		

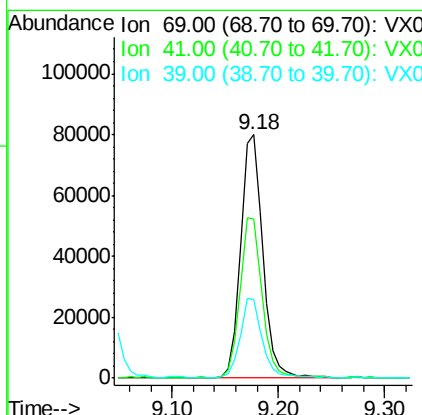
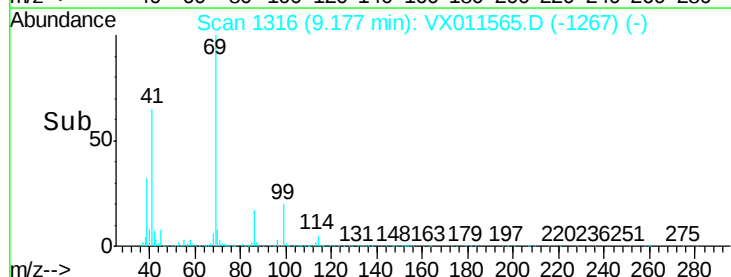
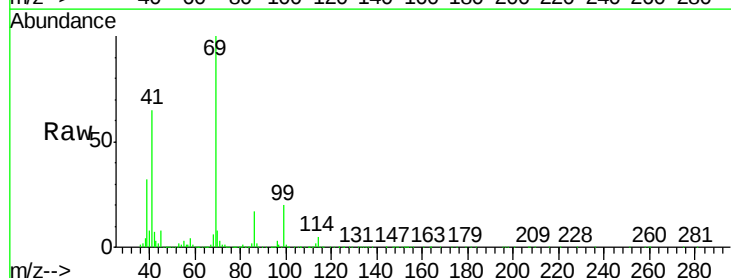
Manual Integrations
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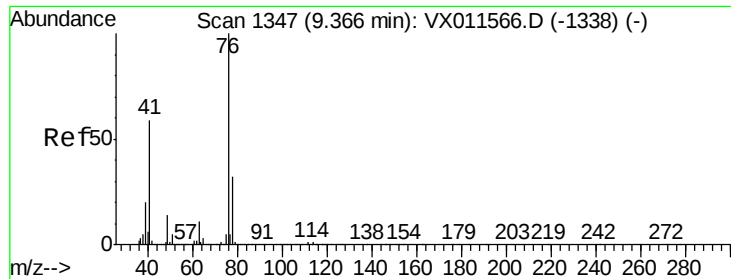
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#56
 Ethyl methacrylate
 Concen: 21.155 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		117341		
41	64.8	52.1	78.1		
39	32.0	25.4	38.0		





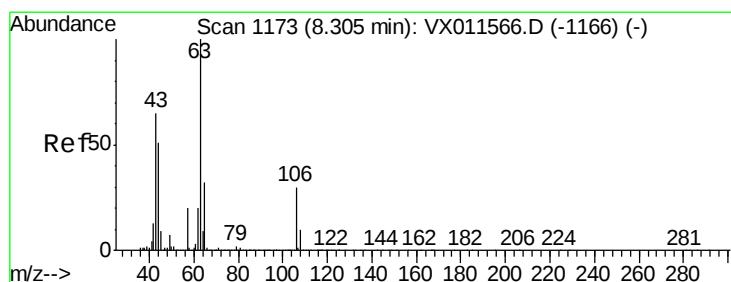
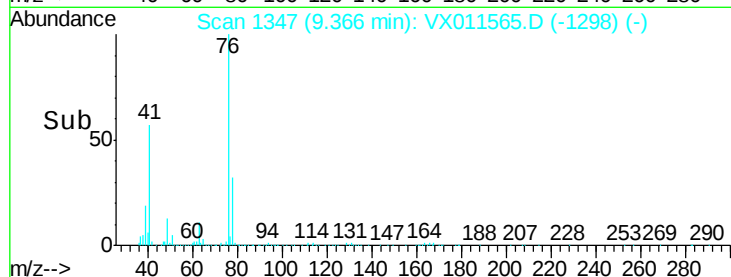
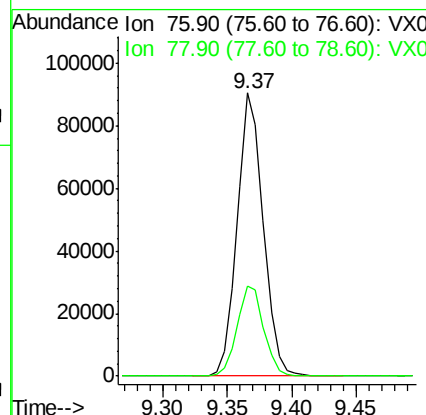
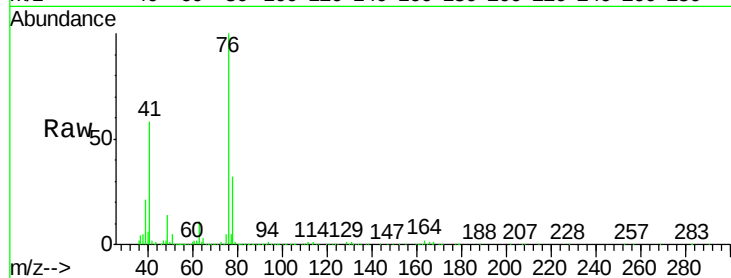
#57
 1,3-Dichloropropane
 Concen: 21.257 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

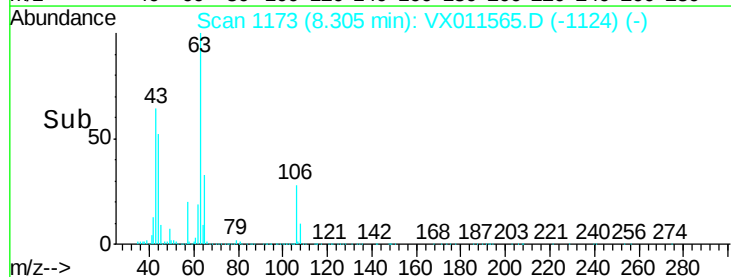
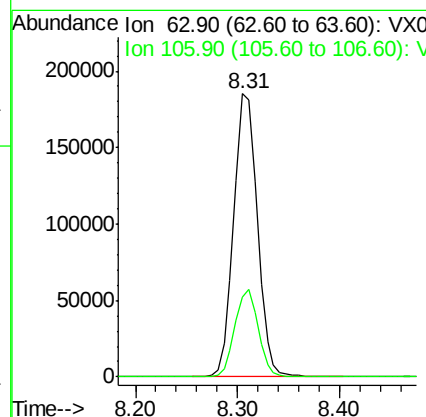
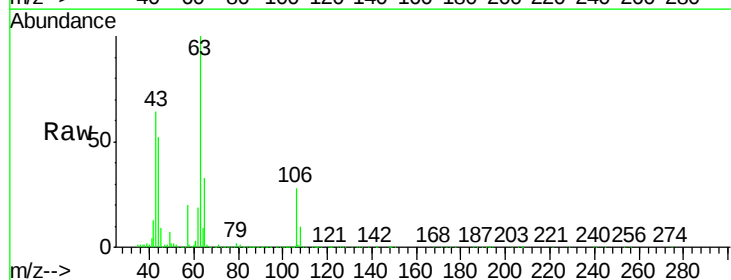
Manual Integrations
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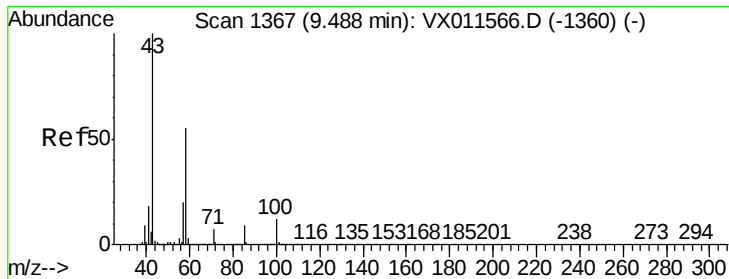
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 111.538 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	24.7	37.1





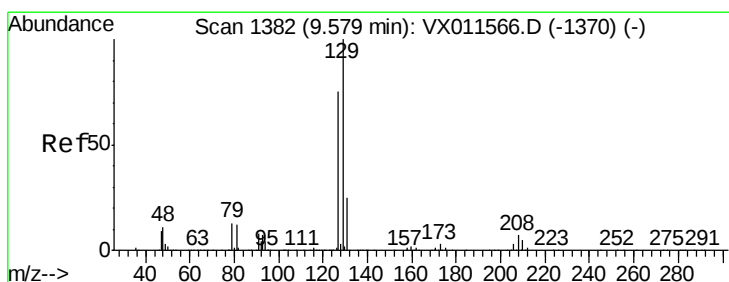
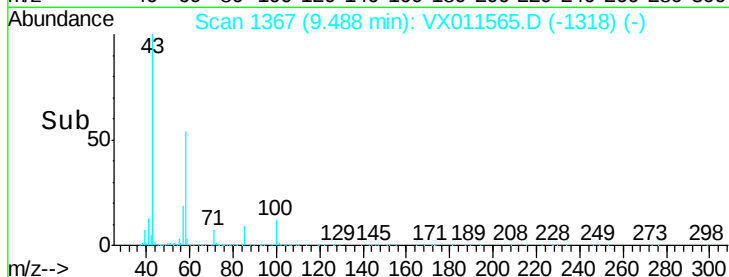
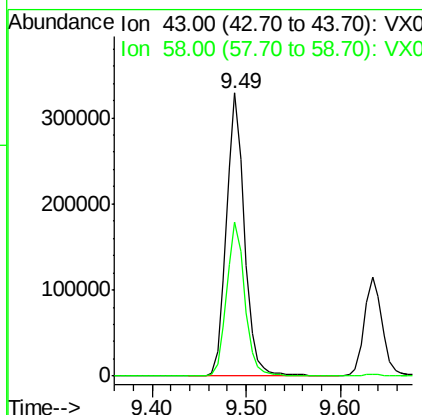
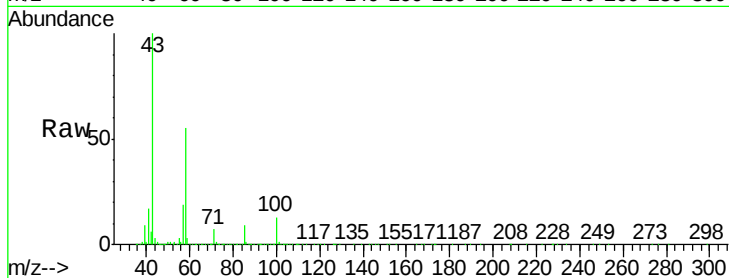
#59
2-Hexanone
Concen: 111.543 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.5	82.4

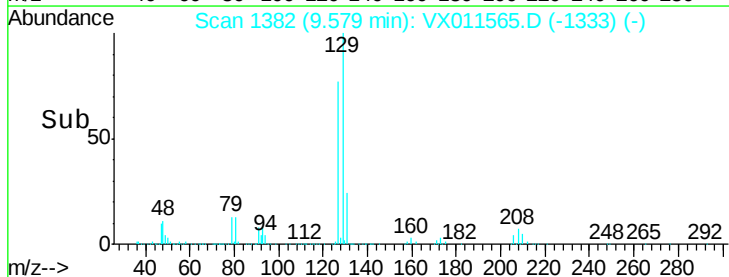
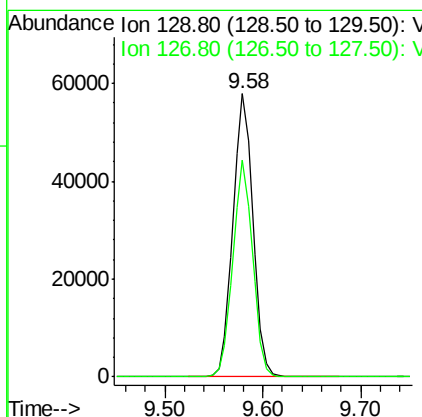
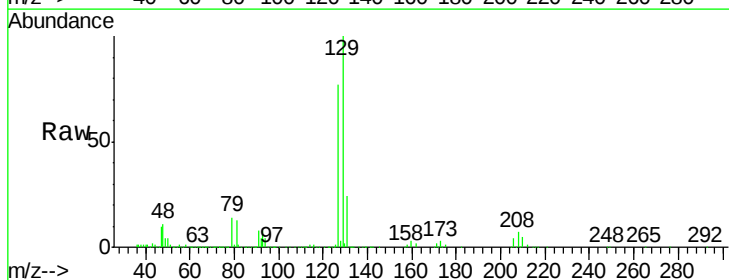
Manual Integrations
APPROVED

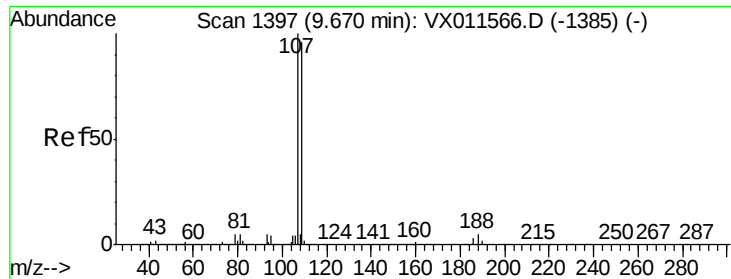
MMDadoda
8/16/2019 8:29:26 AM



#60
Dibromochloromethane
Concen: 21.380 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.0	114.1





#61

1,2-Dibromoethane

Concen: 20.888 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 83995

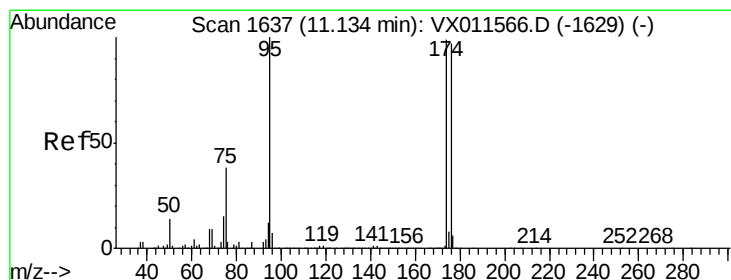
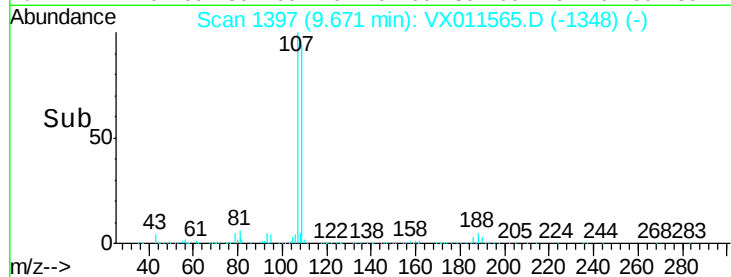
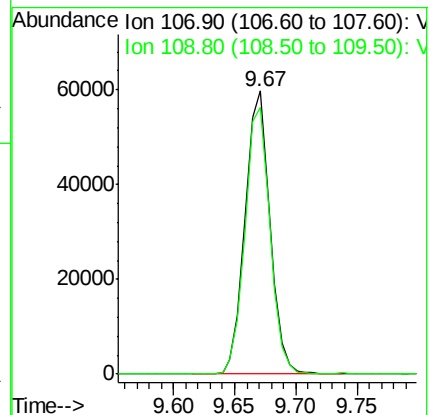
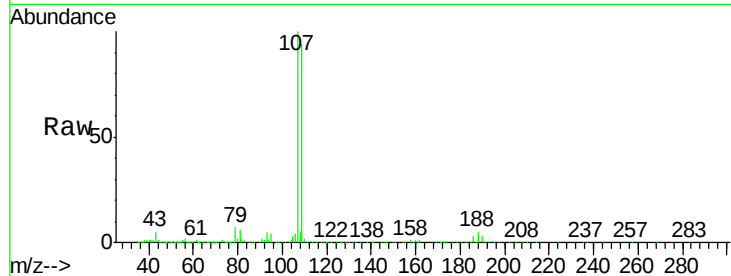
Ion Ratio Lower Upper

107 100

109 95.1 76.2 114.2

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:29:26 AM



#62

4-Bromofluorobenzene

Concen: 19.785 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

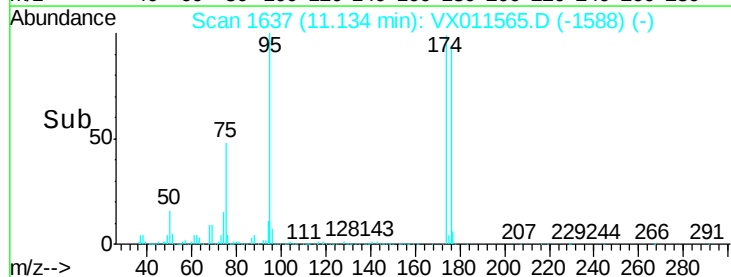
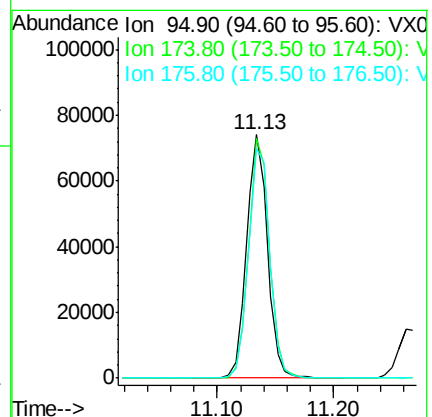
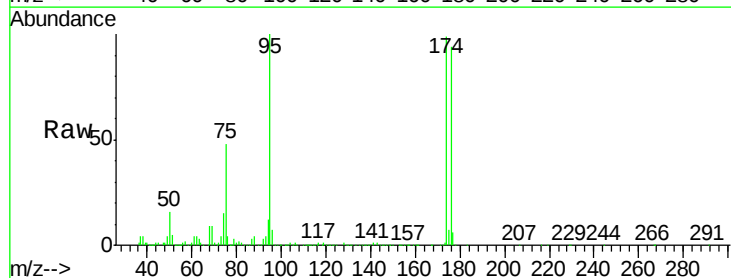
Tgt Ion: 95 Resp: 93134

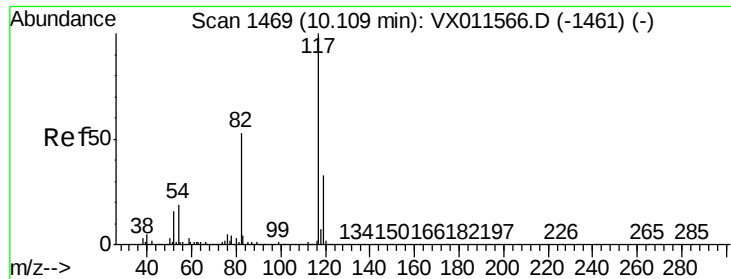
Ion Ratio Lower Upper

95 100

174 98.7 0.0 200.6

176 96.7 0.0 196.6





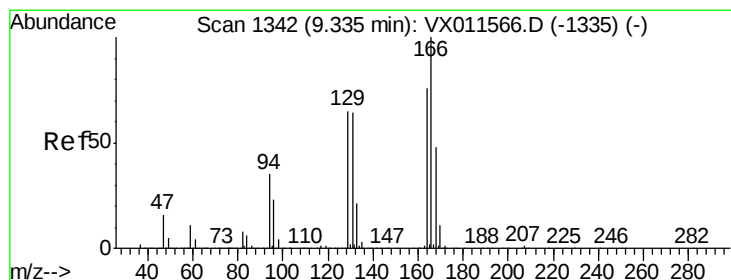
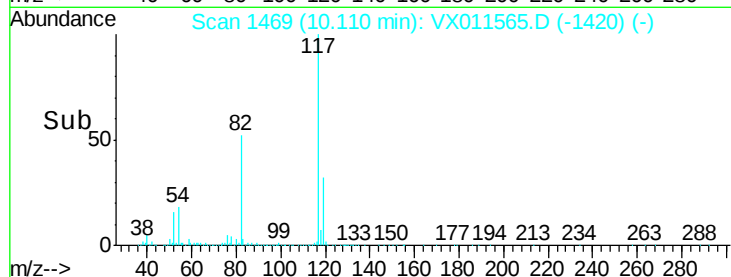
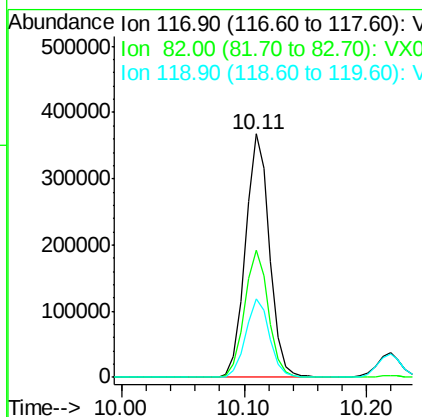
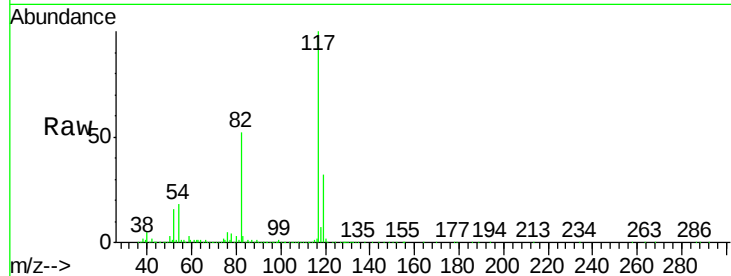
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	500459		
82	52.3		42.0	63.0
119	32.3		26.5	39.7

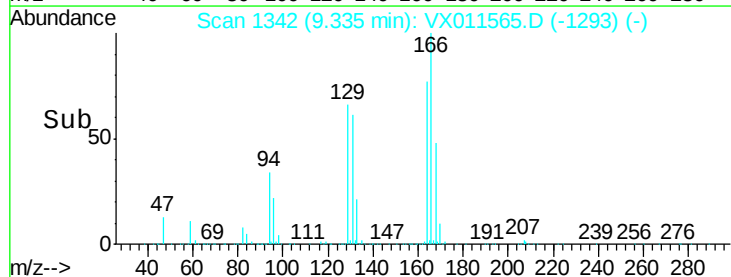
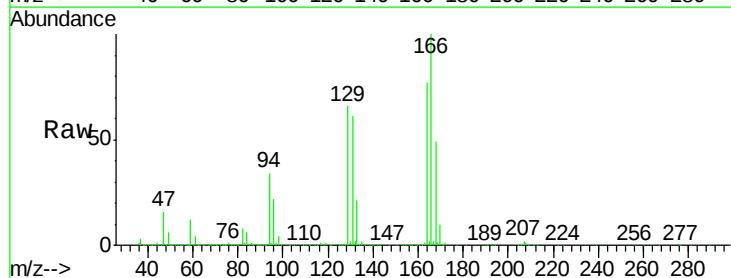
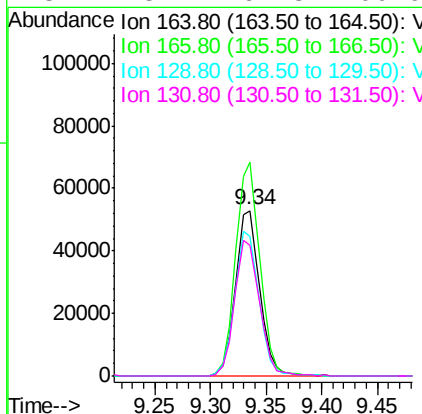
Manual Integrations
APPROVED

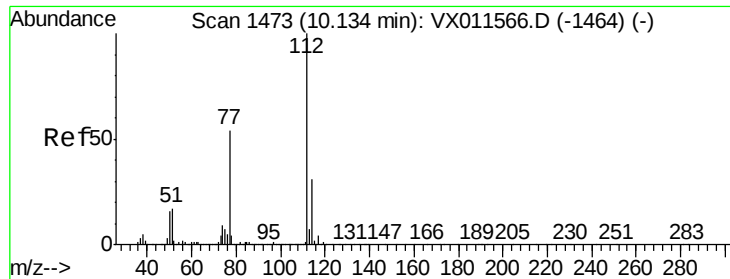
MMDadoda
8/16/2019 8:29:26 AM



#64
Tetrachloroethene
Concen: 20.049 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80027		
166	129.1		104.7	157.1
129	84.5		68.2	102.4
131	78.7		67.3	100.9





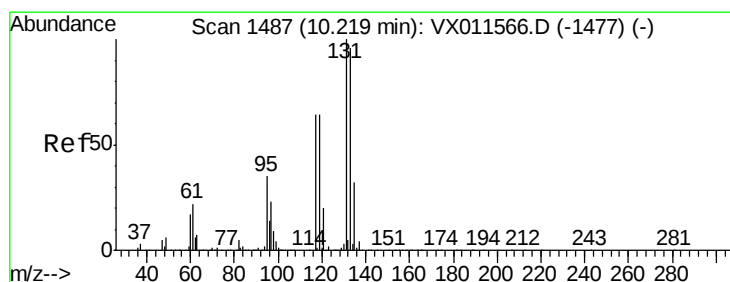
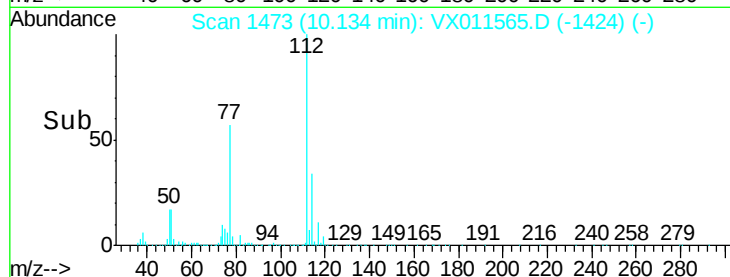
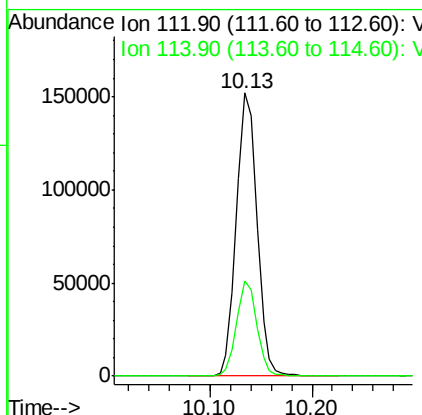
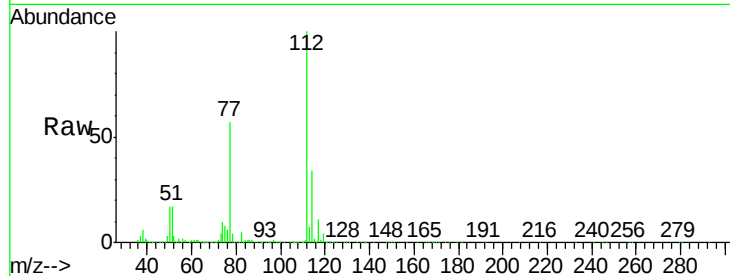
#65
Chlorobenzene
Concen: 20.392 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	212685		
114	33.8	25.0	37.6	

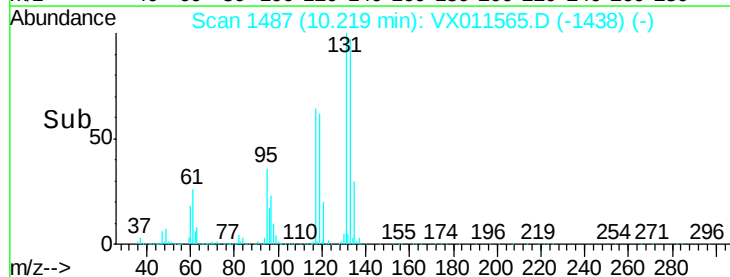
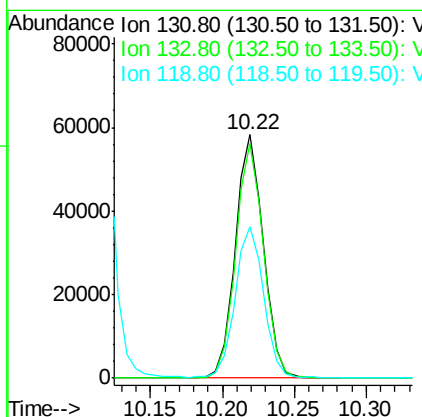
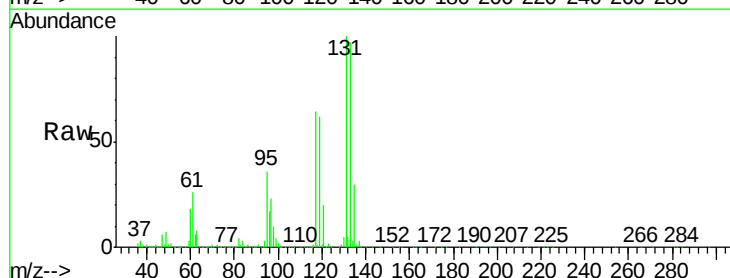
Manual Integrations
APPROVED

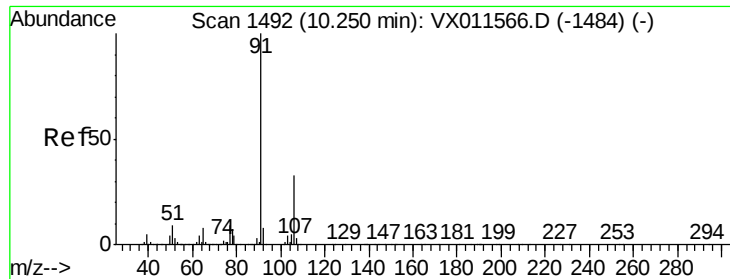
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.353 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	78691		
133	95.9	48.1	144.4	
119	63.0	31.3	93.8	





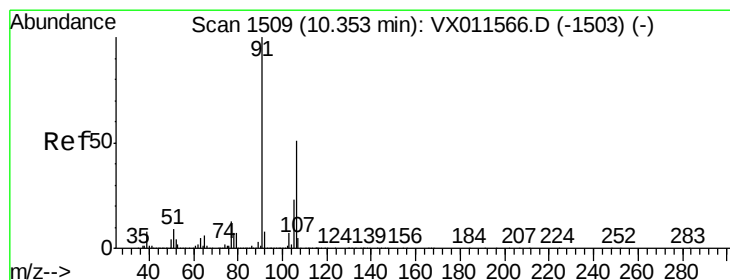
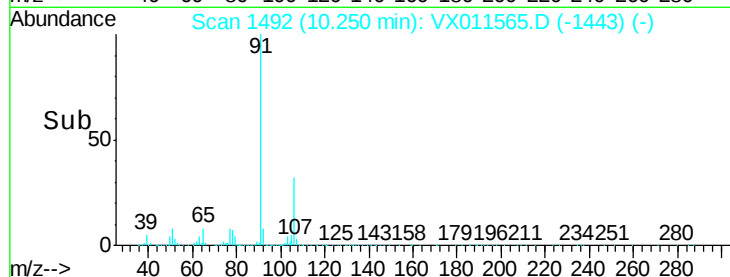
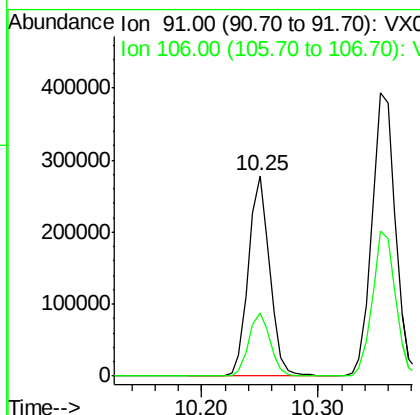
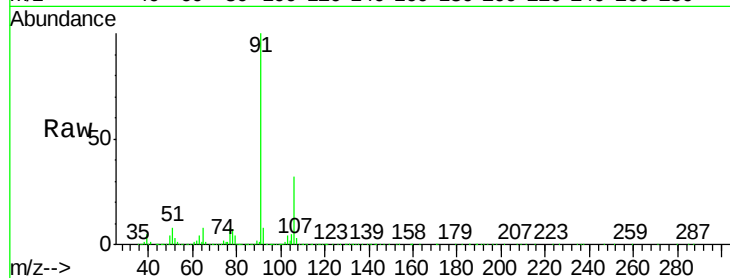
#67
Ethyl Benzene
Concen: 20.362 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 358606
Ion Ratio Lower Upper
91 100
106 31.7 26.0 39.0

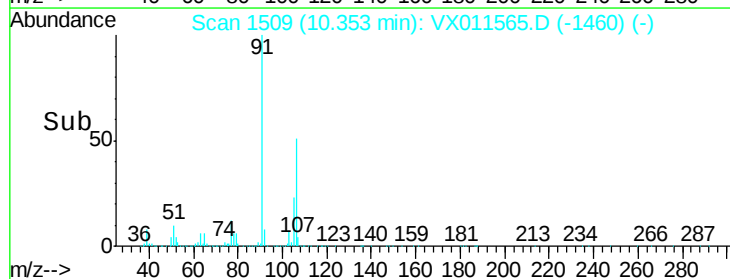
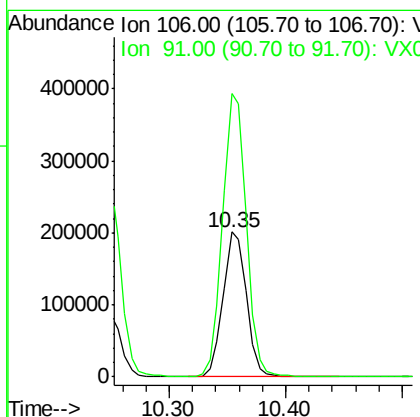
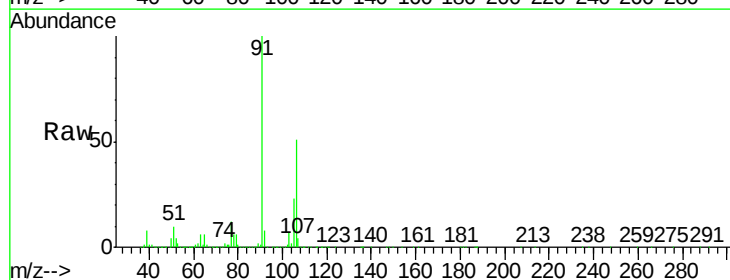
Manual Integrations
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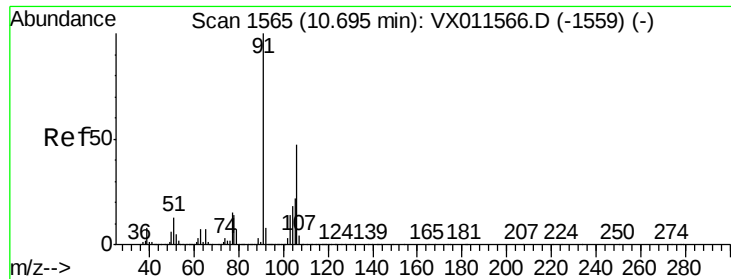
MMDadoda
8/16/2019 8:29:26 AM



#68
m/p-Xylenes
Concen: 41.282 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion: 106 Resp: 279884
Ion Ratio Lower Upper
106 100
91 197.4 156.0 234.0





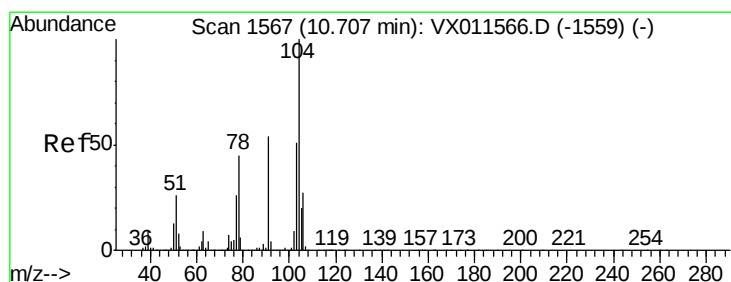
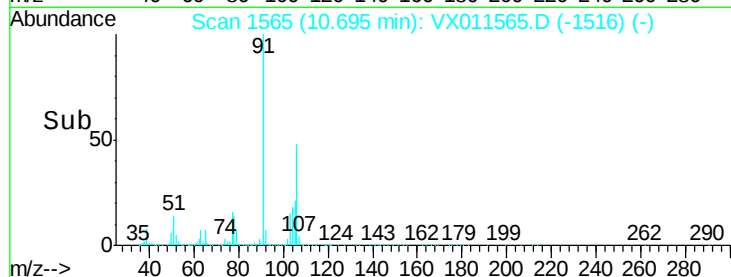
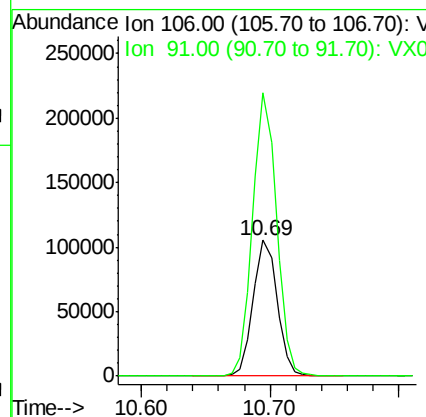
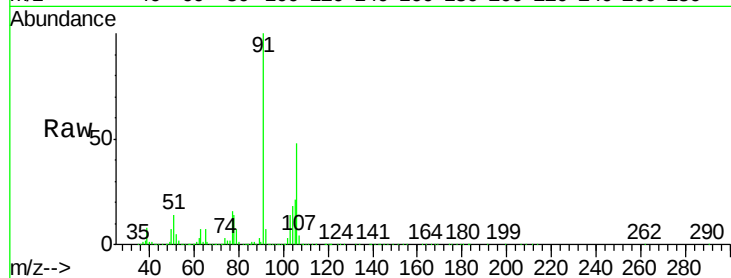
#69
o-Xylene
Concen: 20.643 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
106	100	136130		
91	205.8	105.5	316.4	

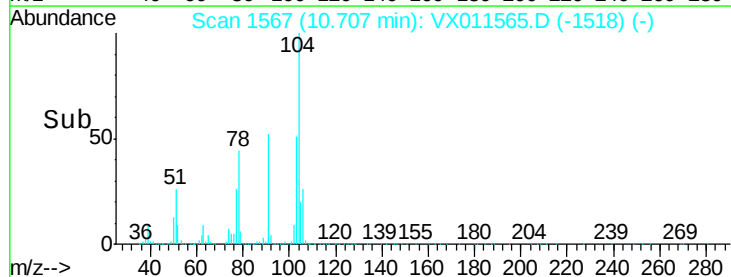
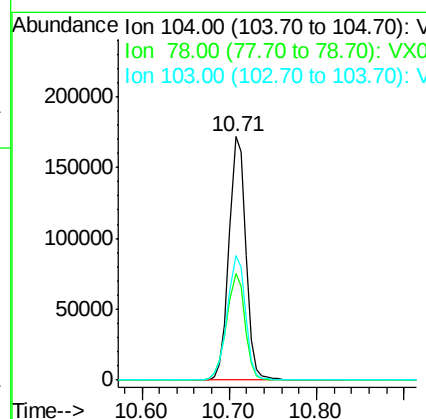
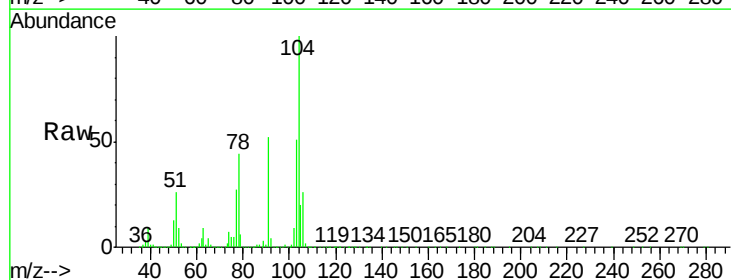
Manual Integrations
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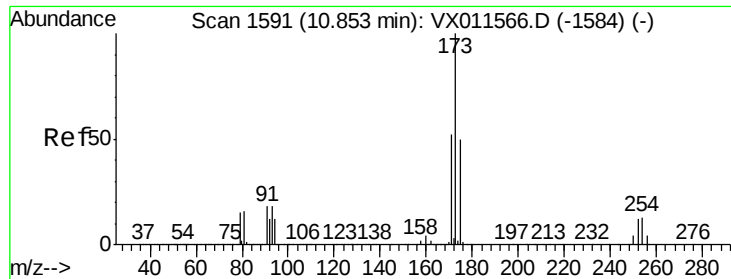
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#70
Styrene
Concen: 20.762 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	228835		
78	47.4	38.2	57.4	
103	55.3	43.6	65.4	





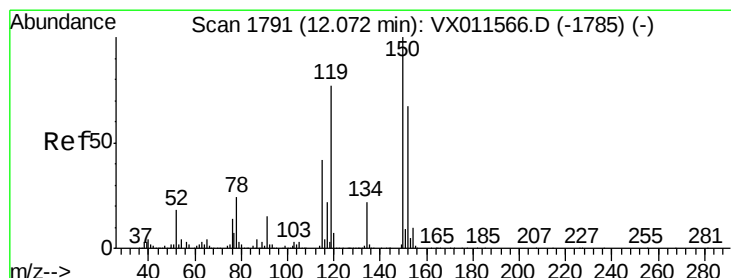
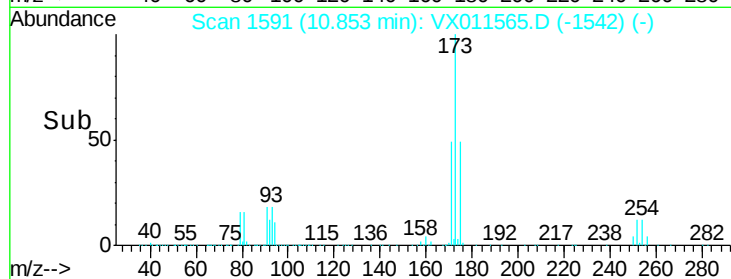
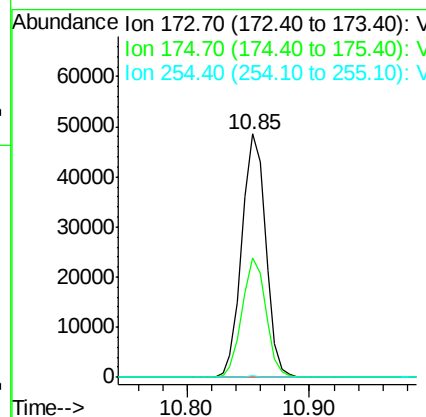
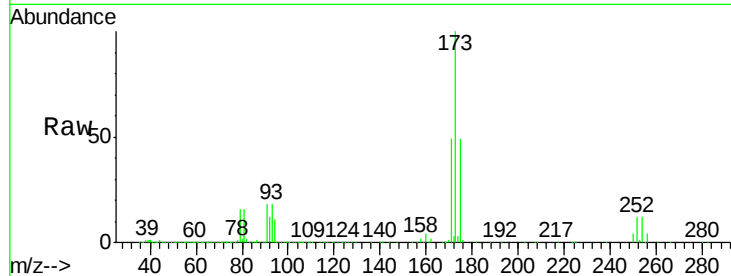
#71
Bromoform
Concen: 21.956 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.9	74.7
254	0.2	0.1	0.1#

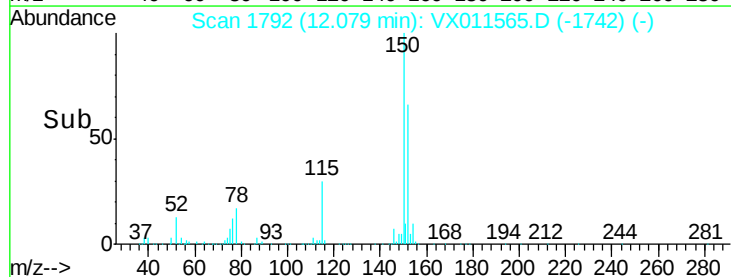
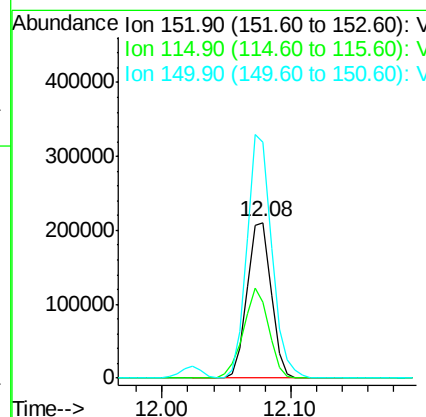
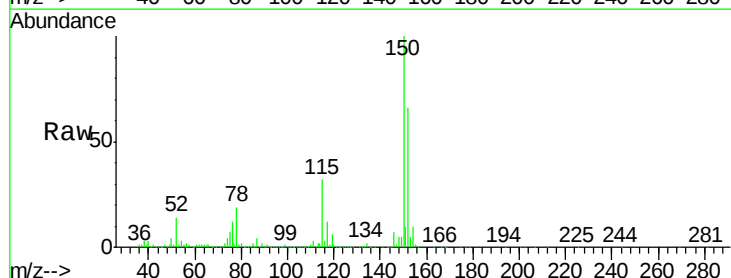
Manual Integrations
APPROVED

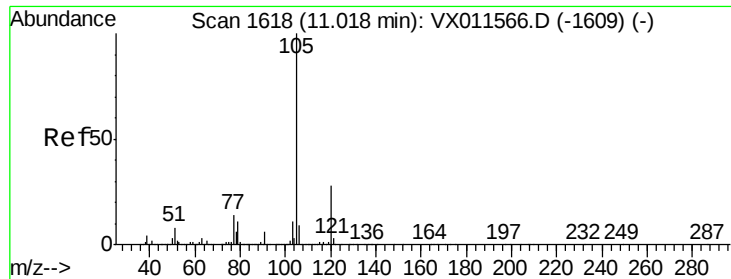
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	37.3	111.9
150	161.0	0.0	346.2





#73

Isopropylbenzene

Concen: 19.703 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 361080

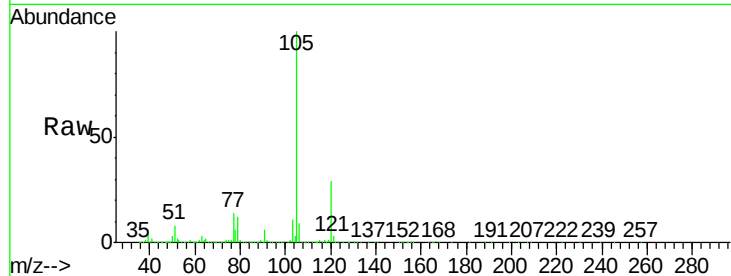
Ion Ratio Lower Upper

105 100

120 27.9 14.0 41.9

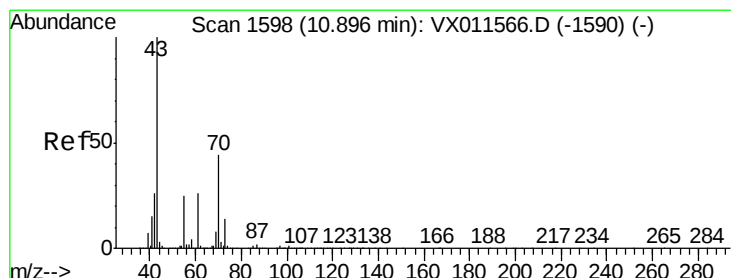
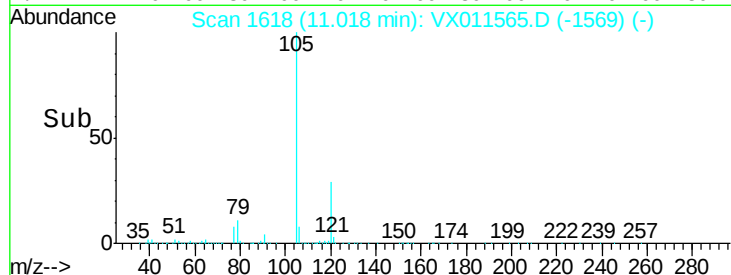
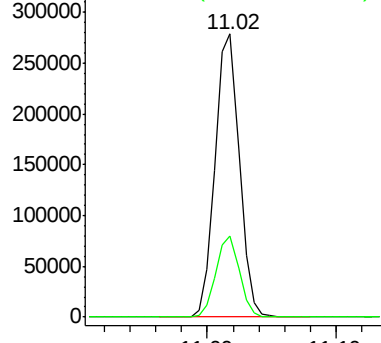
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.720 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion: 43 Resp: 146365

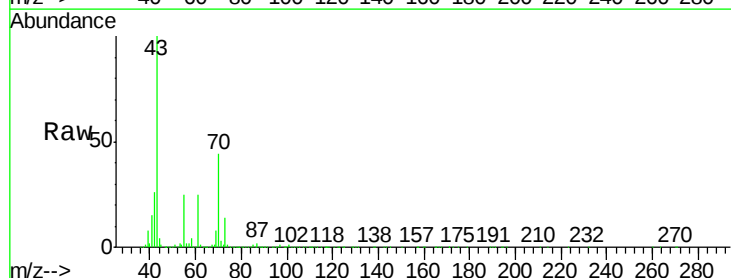
Ion Ratio Lower Upper

43 100

70 43.6 34.7 52.1

55 25.4 19.6 29.4

61 24.5 19.9 29.9

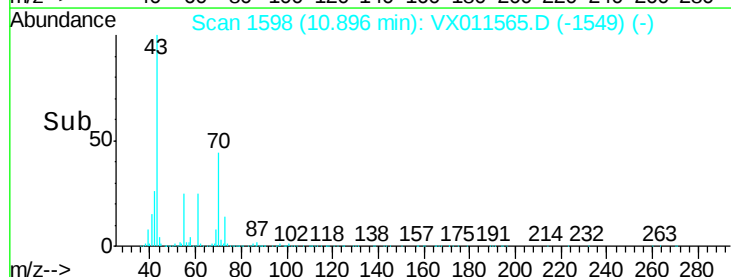
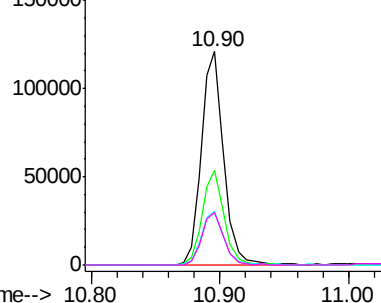


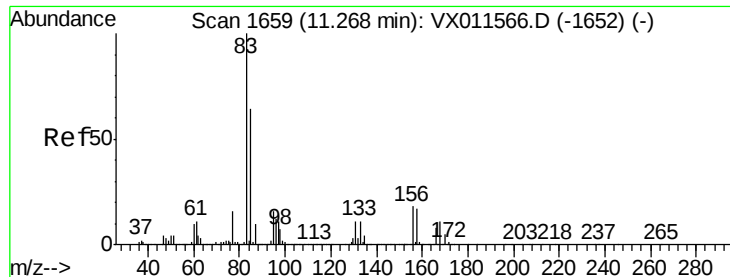
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.298 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

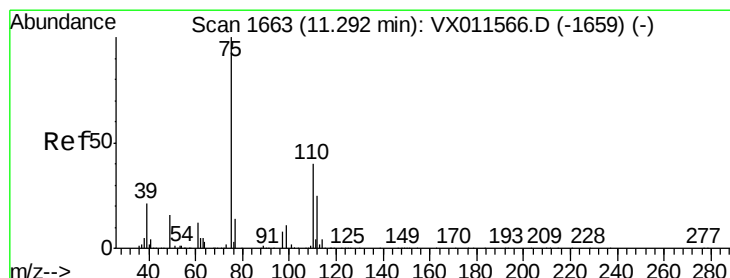
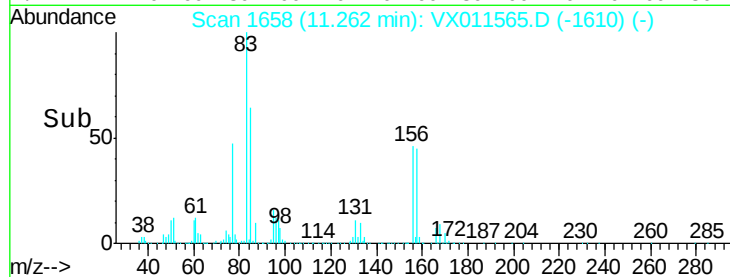
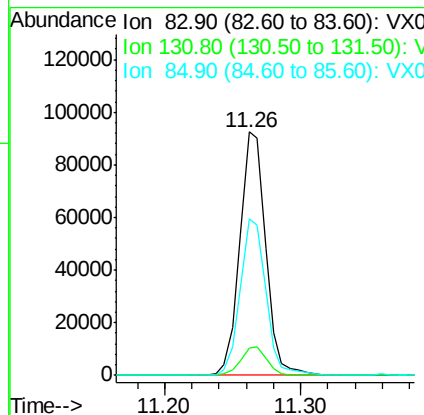
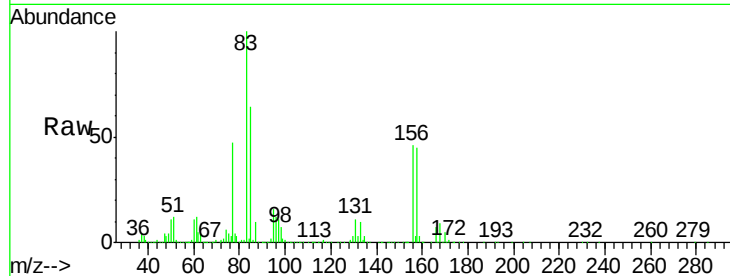
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	122149
Ion Ratio		Lower	Upper
83	100		
131	12.0	5.8	17.3
85	64.5	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.137 ug/l m

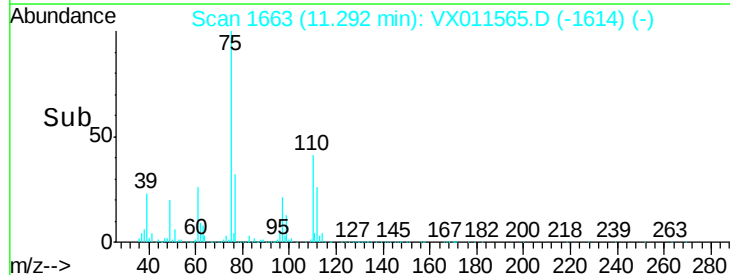
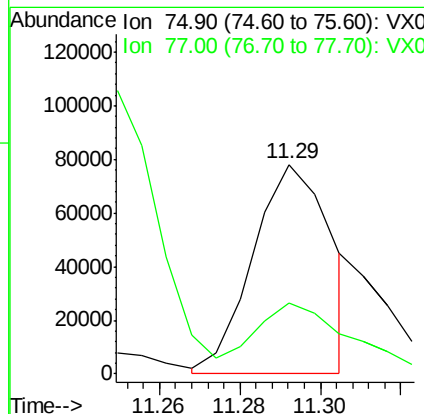
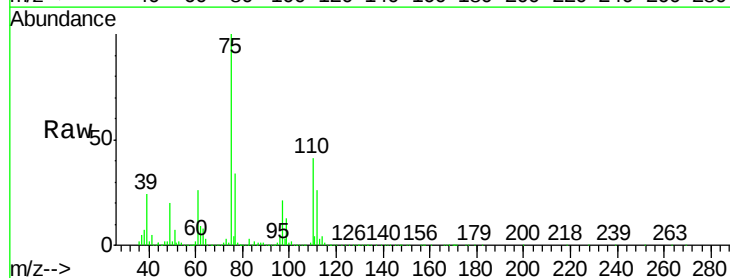
RT: 11.29 min Scan# 1663

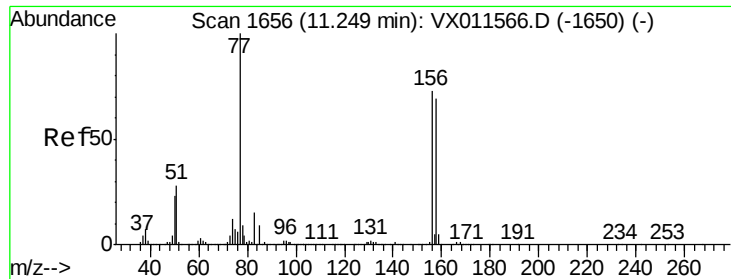
Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion:	75	Resp:	104705
Ion Ratio		Lower	Upper
75	100		
77	41.4	20.9	62.8





#77

Bromobenzene

Concen: 20.510 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

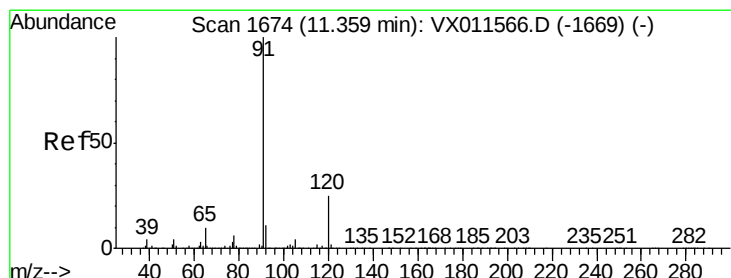
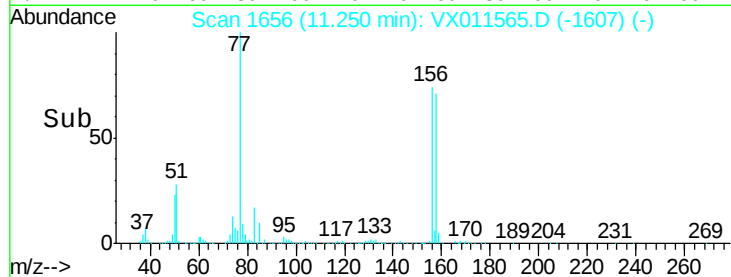
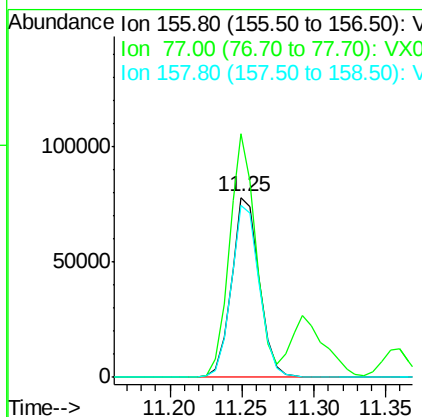
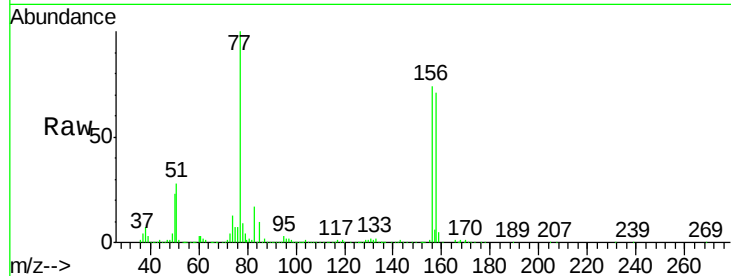
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	104924
Ion Ratio	Lower	Upper	
156	100		
77	129.3	64.6	193.9
158	96.9	48.4	145.3

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#78

n-propylbenzene

Concen: 19.386 ug/l

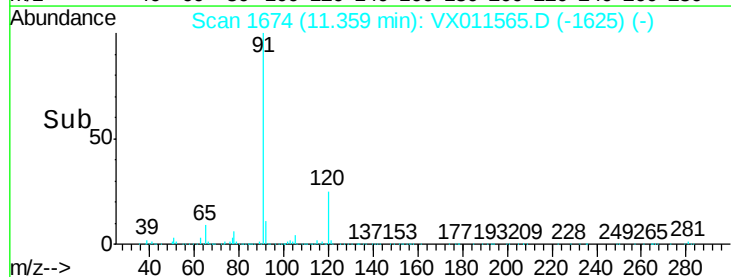
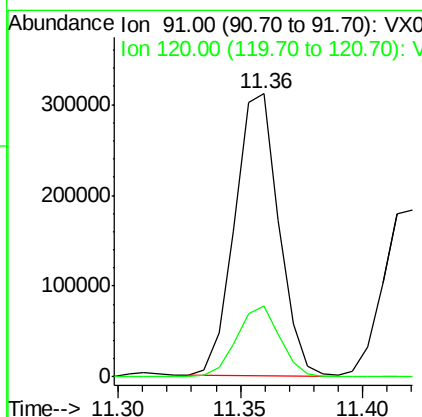
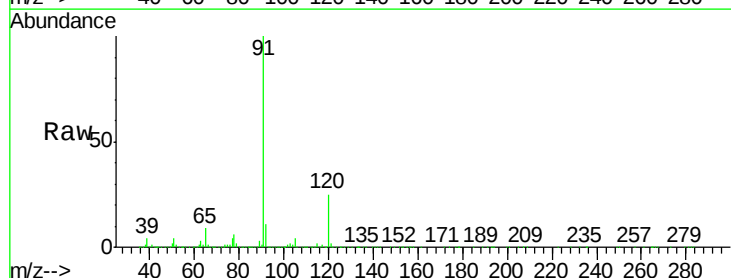
RT: 11.36 min Scan# 1674

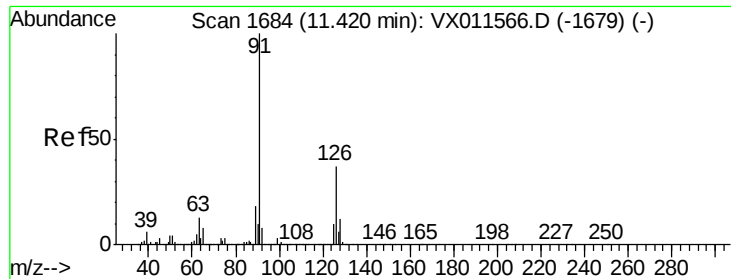
Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion:	91	Resp:	390941
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.6	37.6





#79

2-Chlorotoluene

Concen: 19.726 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 240102

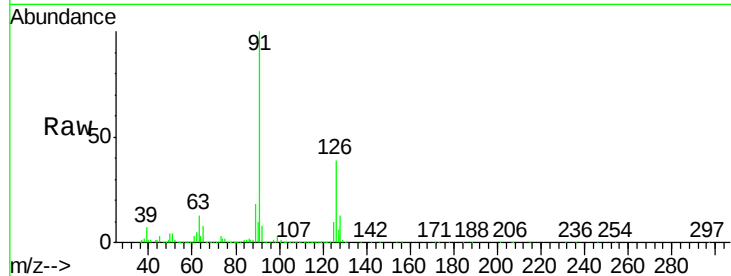
Ion Ratio Lower Upper

91 100

126 37.2 18.4 55.0

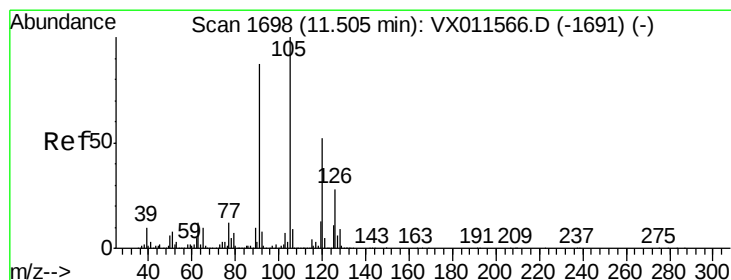
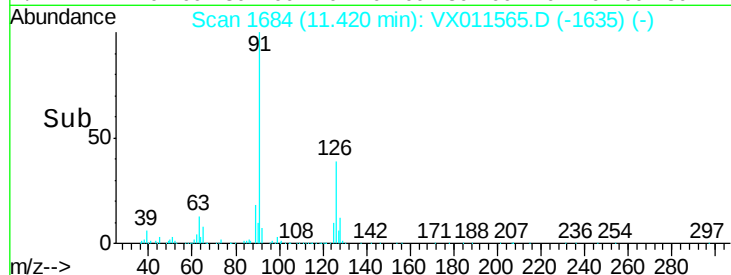
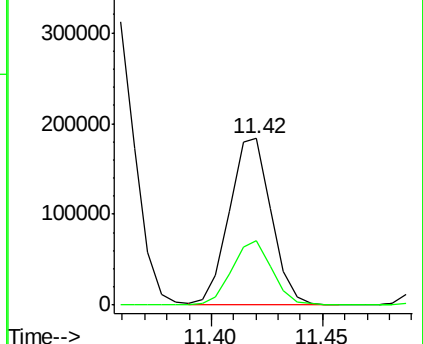
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.093 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011565.D

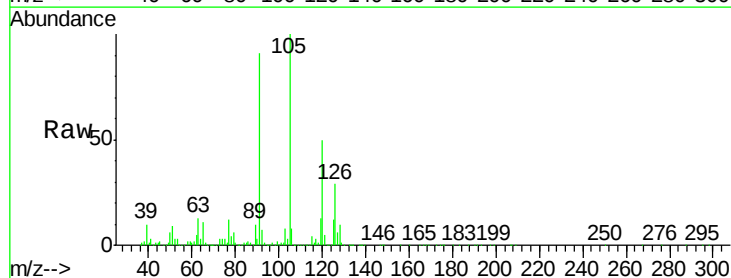
Acq: 15 Aug 2019 18:27

Tgt Ion: 105 Resp: 307401

Ion Ratio Lower Upper

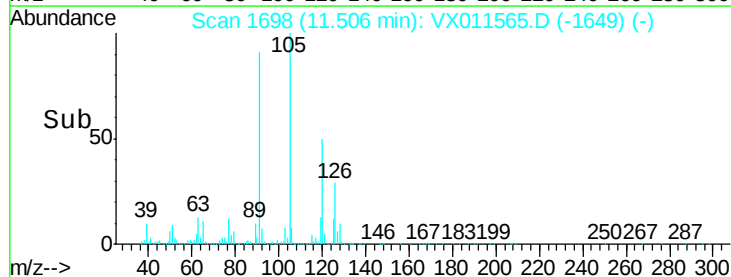
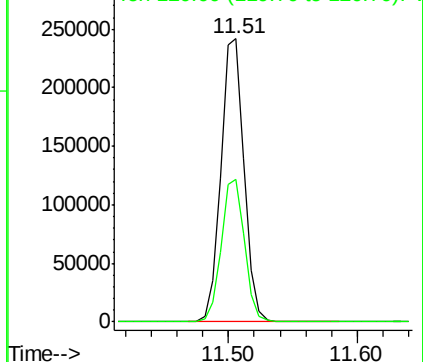
105 100

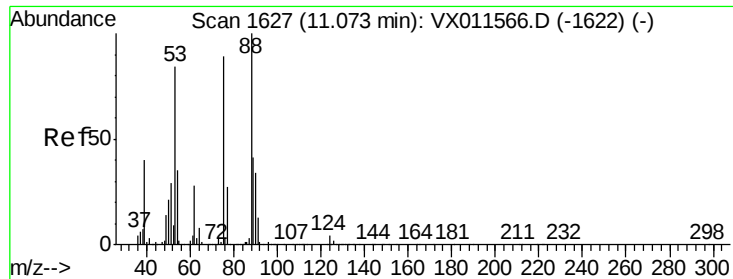
120 50.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





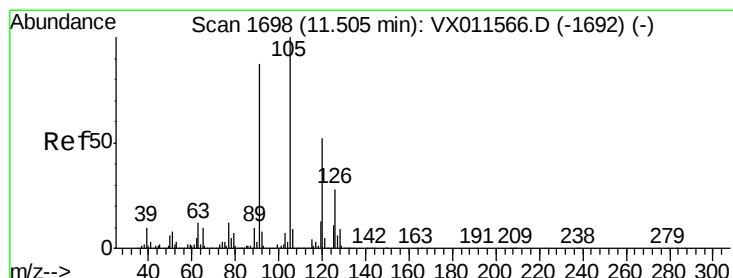
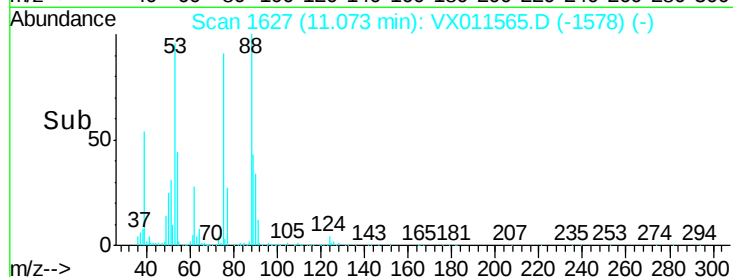
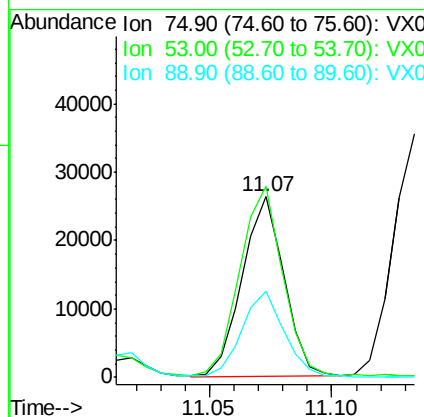
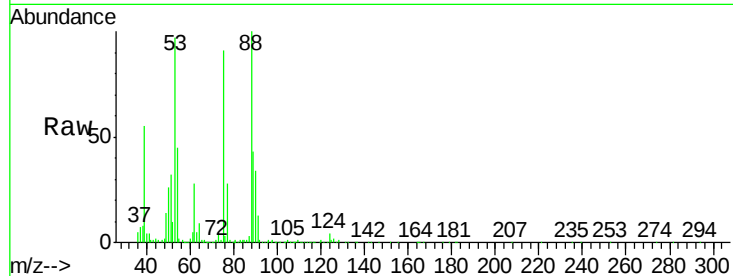
#81
trans-1,4-Dichloro-2-butene
Concen: 17.691 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.6	77.4	116.0
89	49.1	37.3	55.9

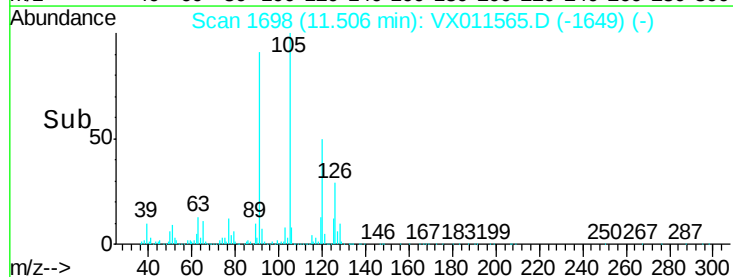
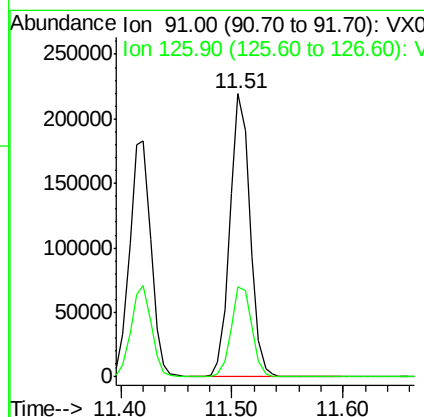
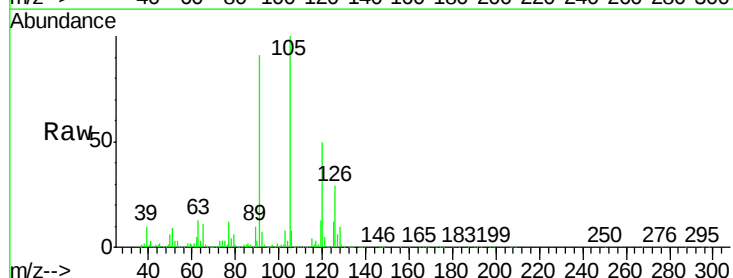
Manual Integrations
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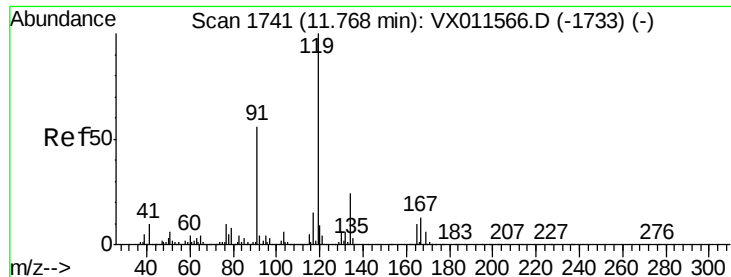
MMDadoda
8/16/2019 8:29:26 AM



#82
4-Chlorotoluene
Concen: 19.432 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.1





#83

tert-Butylbenzene

Concen: 20.523 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

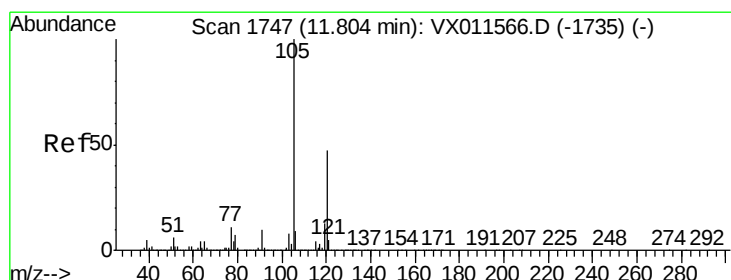
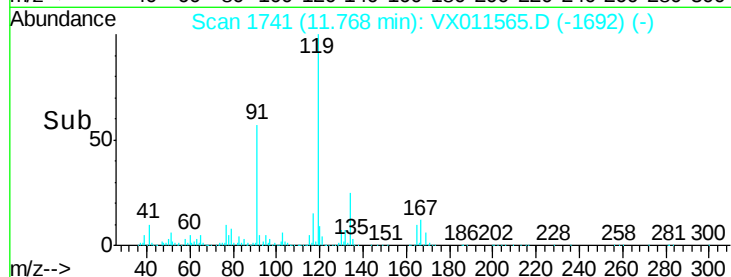
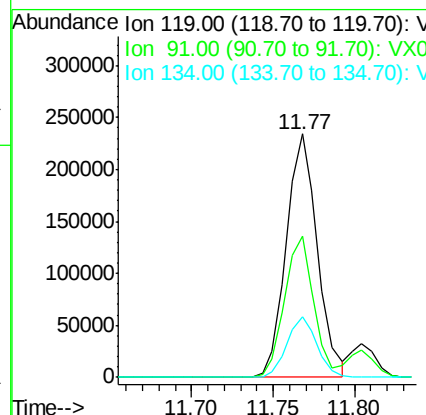
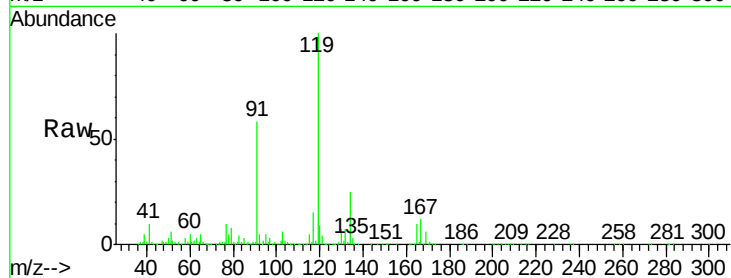
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	310472
Ion Ratio	Lower	Upper	
119	100		
91	54.0	27.1	81.3
134	24.0	11.8	35.3

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#84

1,2,4-Trimethylbenzene

Concen: 20.005 ug/l

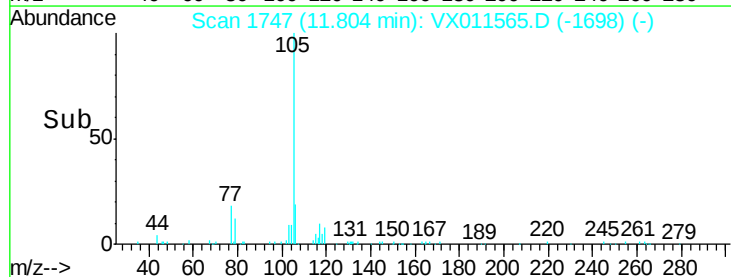
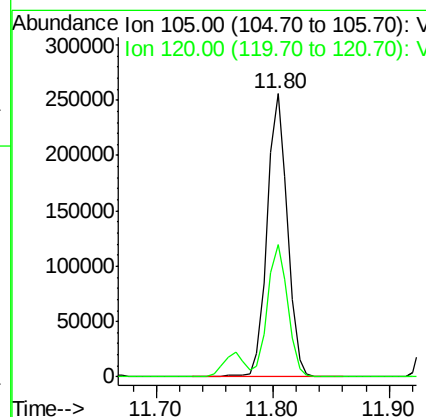
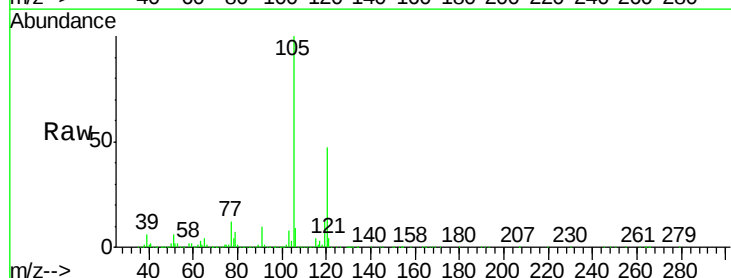
RT: 11.80 min Scan# 1747

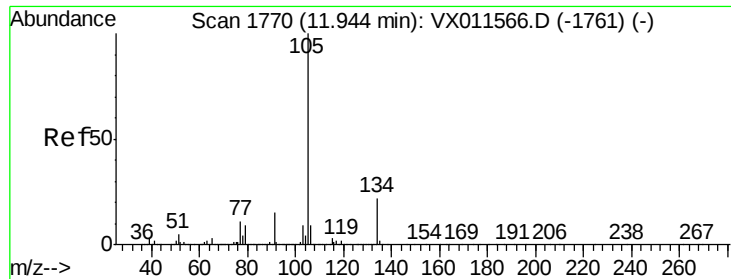
Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion:	105	Resp:	308977
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.3	69.9





#85

sec-Butylbenzene

Concen: 19.817 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 348474

Ion Ratio Lower Upper

105 100

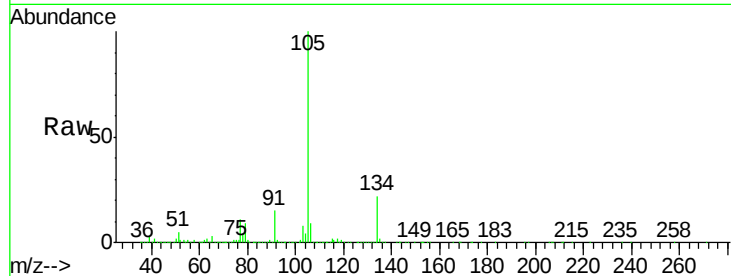
134 22.0 10.8 32.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

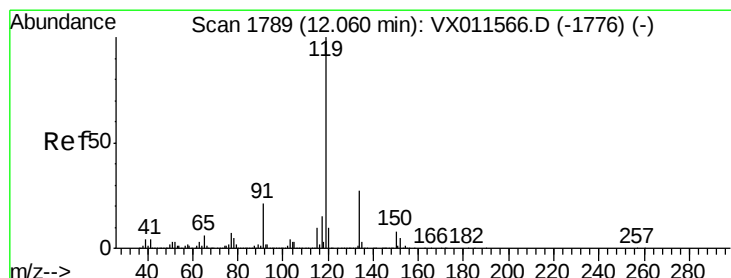
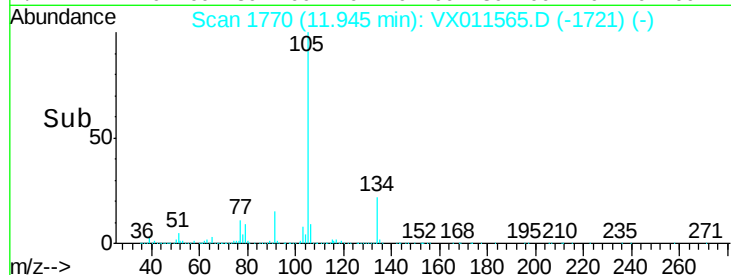
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.175 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

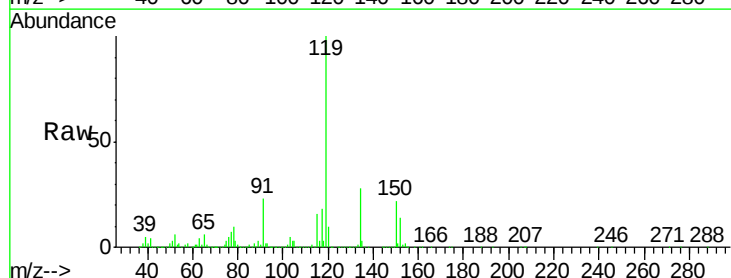
Tgt Ion:119 Resp: 329778

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.8

91 22.5 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): VX0

12.06

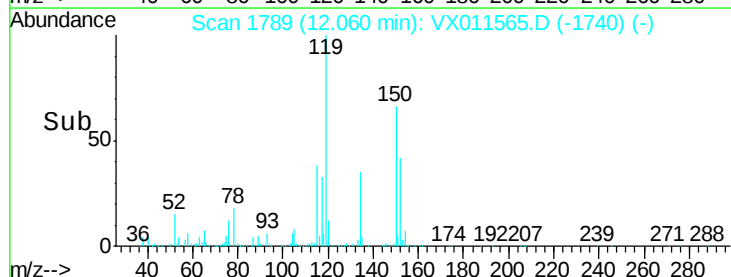
300000

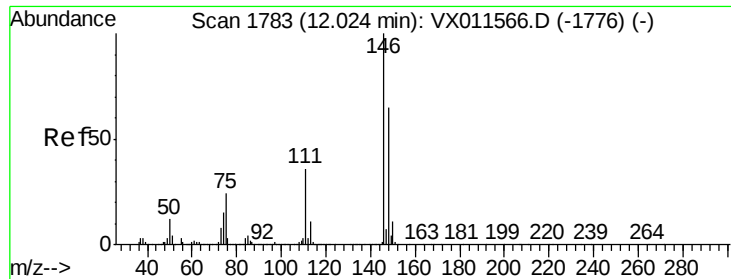
200000

100000

0

Time-->





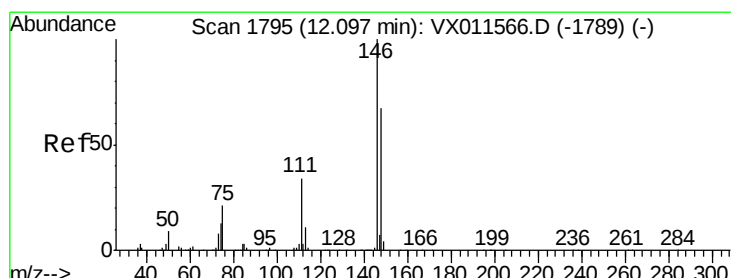
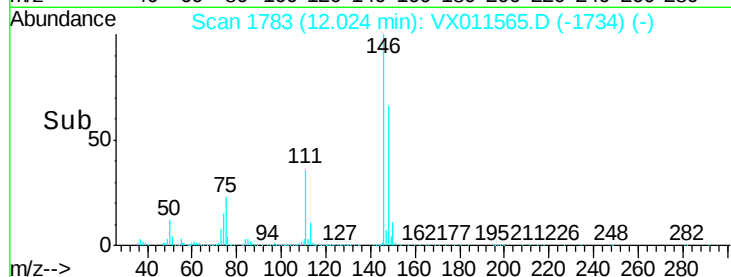
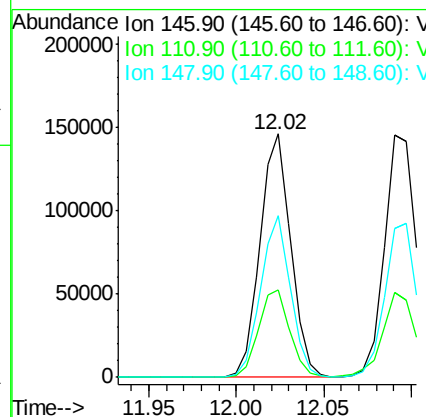
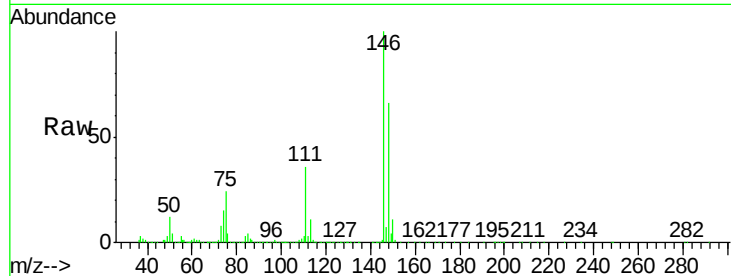
#87
 1,3-Dichlorobenzene
 Concen: 20.232 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.4
148	64.6	32.0	96.0

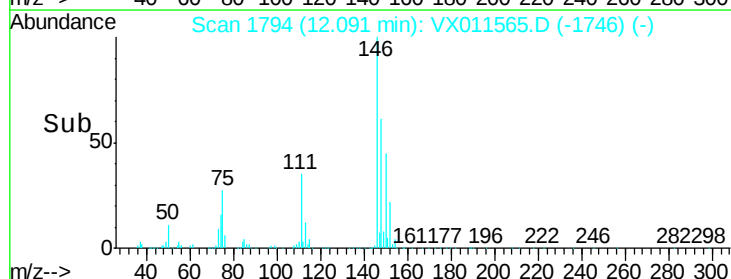
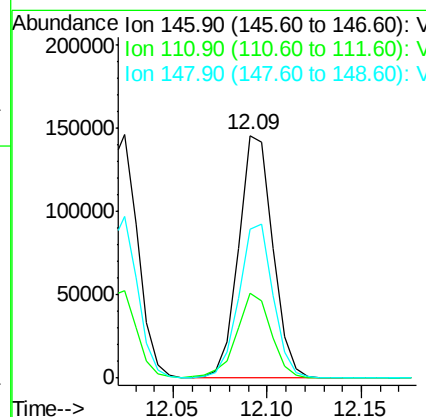
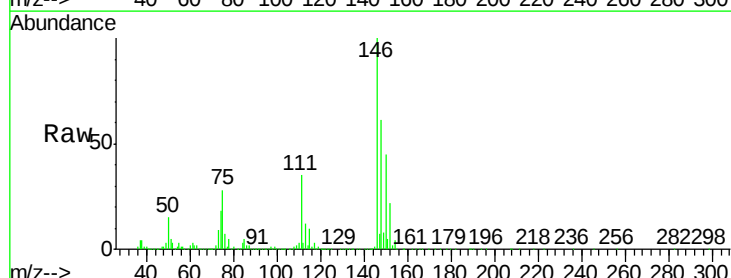
Manual Integrations
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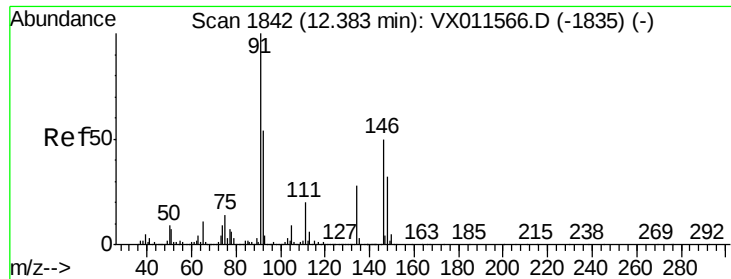
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#88
 1,4-Dichlorobenzene
 Concen: 20.214 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.9	53.7
148	63.8	32.5	97.5





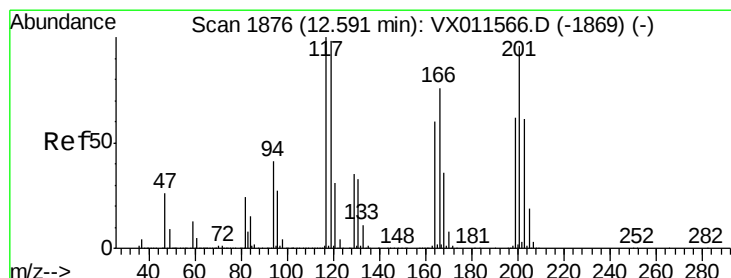
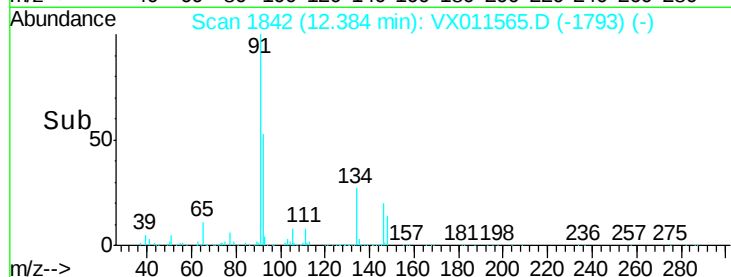
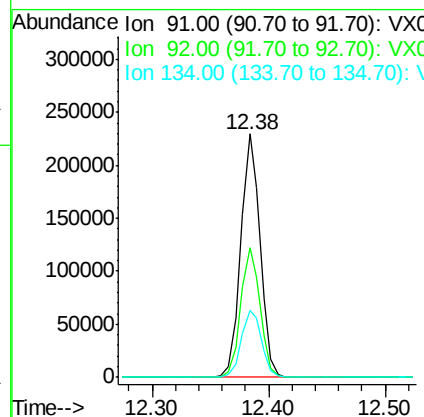
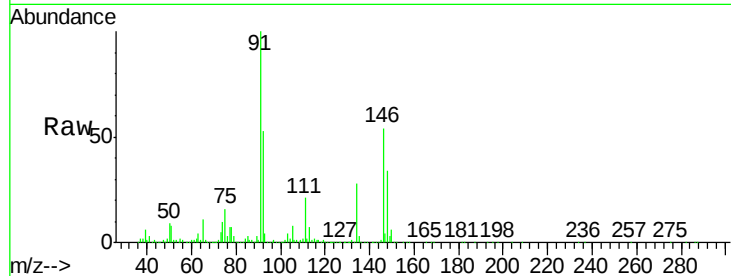
#89
n-Butylbenzene
Concen: 19.156 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	265334		
92	53.3	26.8	80.3	
134	28.9	14.6	44.0	

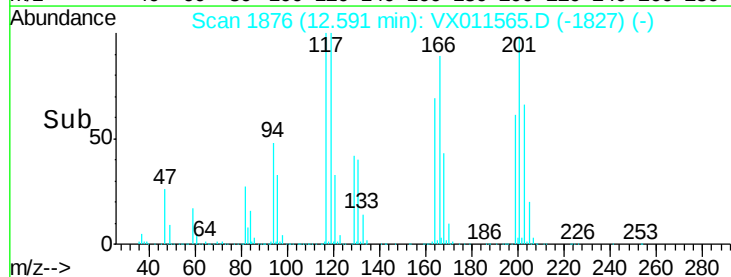
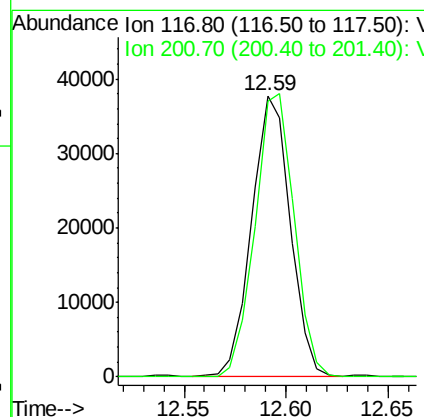
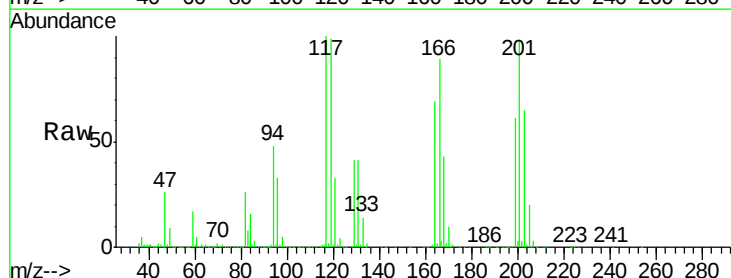
Manual Integrations
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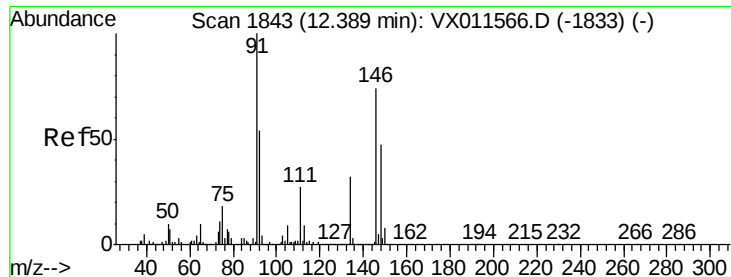
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#90
Hexachloroethane
Concen: 19.248 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011565.D
Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49435		
201	102.7	51.9	155.7	





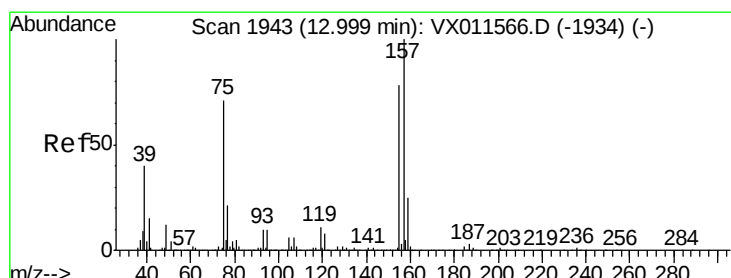
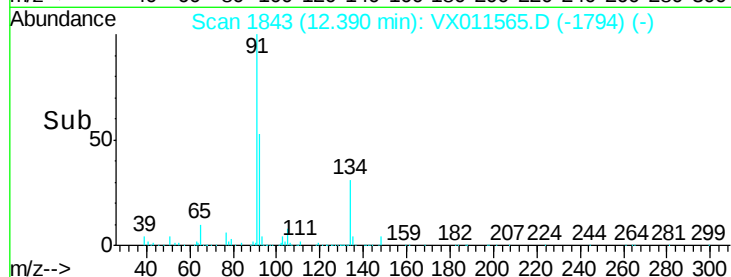
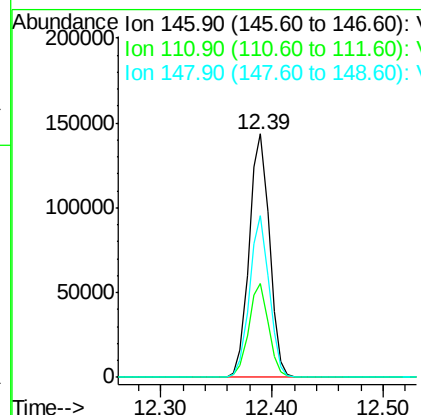
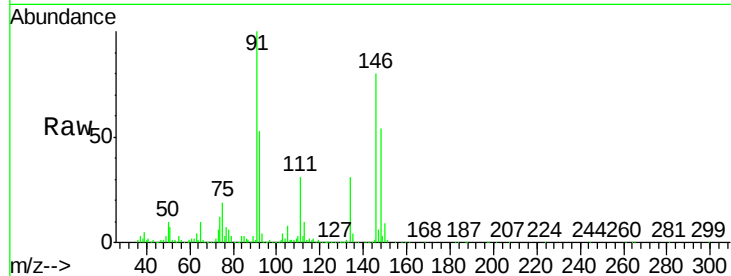
#91
 1,2-Dichlorobenzene
 Concen: 20.707 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181709		
111	37.8	18.9	56.7	
148	64.1	31.9	95.9	

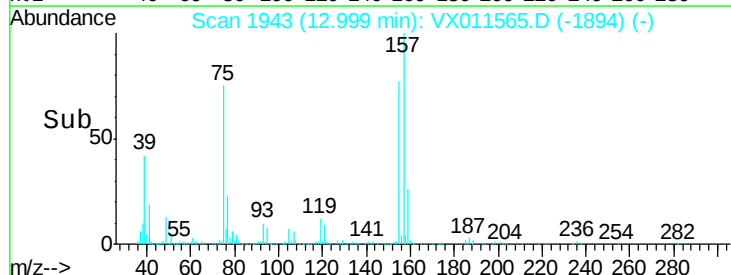
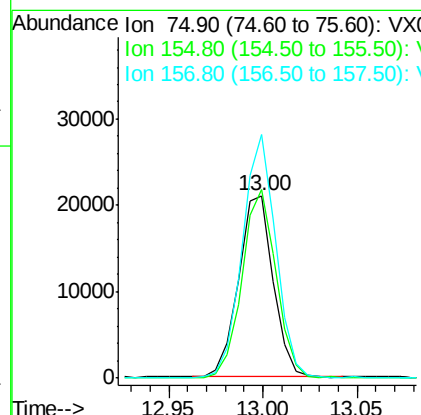
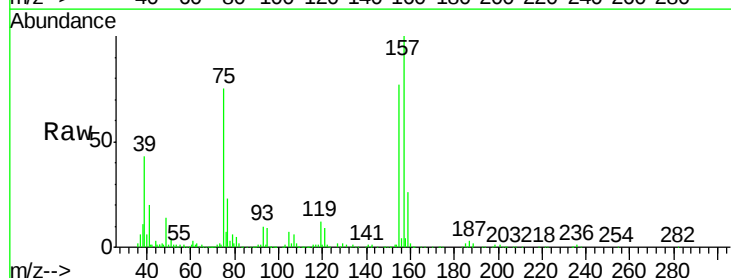
Manual Integrations
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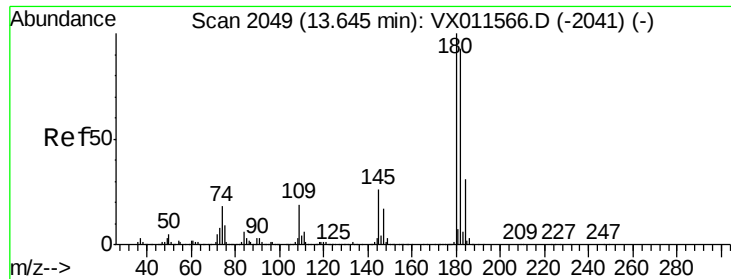
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.034 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26734		
155	101.9	53.0	159.0	
157	131.0	68.3	205.1	





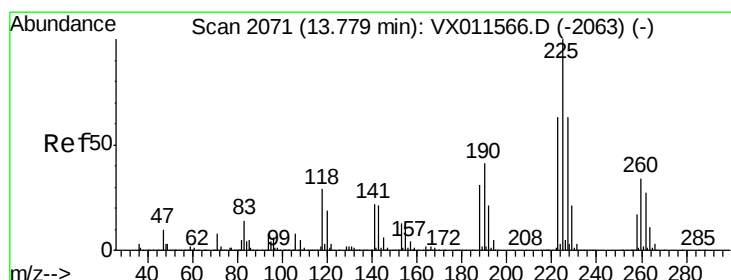
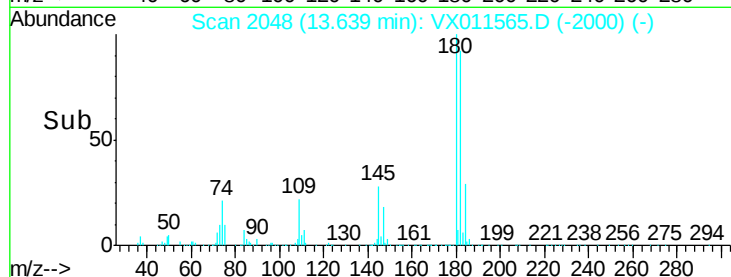
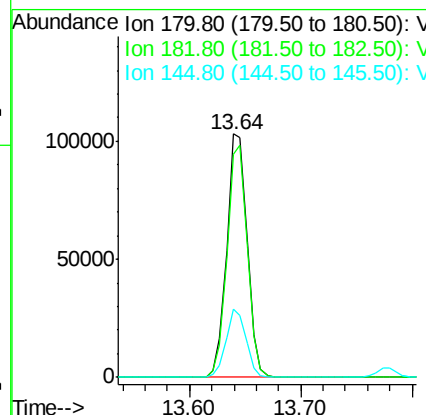
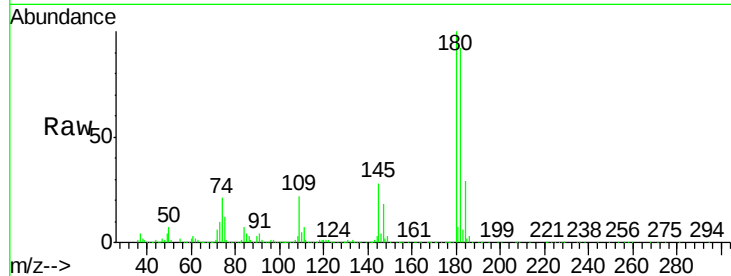
#93
 1,2,4-Trichlorobenzene
 Concen: 21.712 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131507		
182	94.1	47.3	142.0	
145	27.1	13.6	40.8	

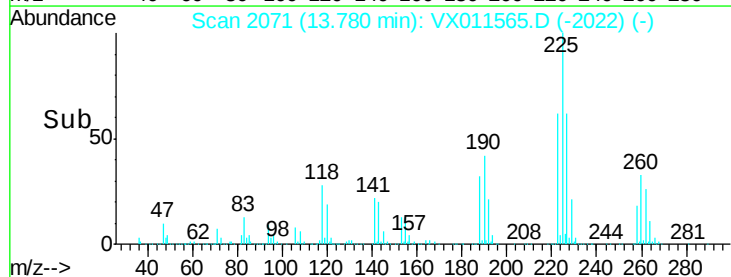
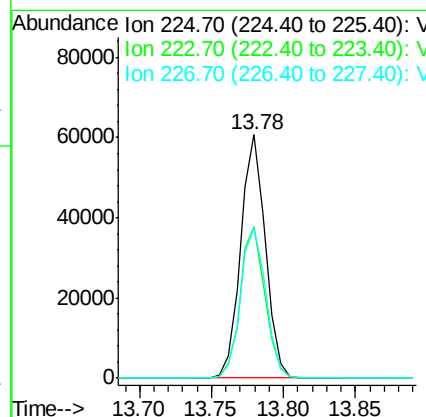
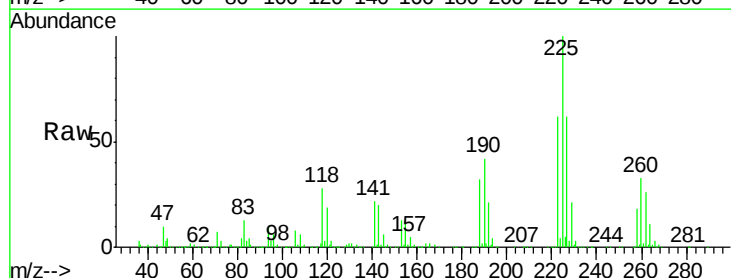
Manual Integrations
 APPROVED

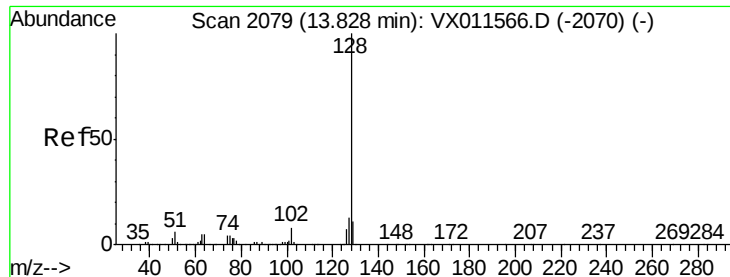
MMDadoda
 8/16/2019 8:29:26 AM



#94
 Hexachlorobutadiene
 Concen: 23.624 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011565.D
 Acq: 15 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72340		
223	62.6	31.4	94.0	
227	63.4	31.2	93.6	





#95

Naphthalene

Concen: 21.688 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Instrument :

MSVOA_X

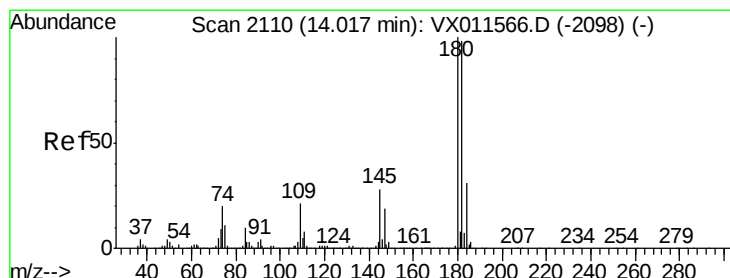
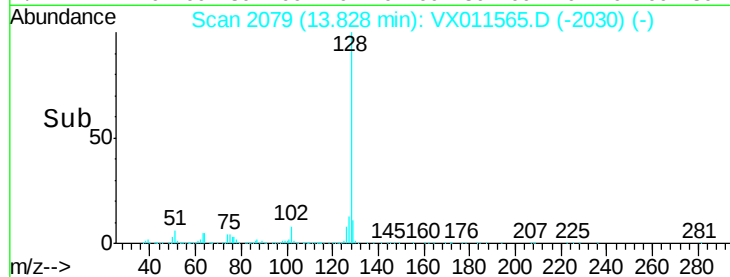
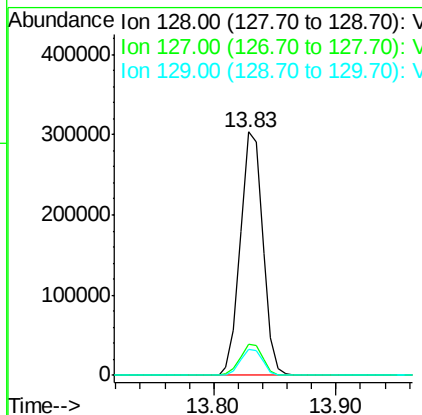
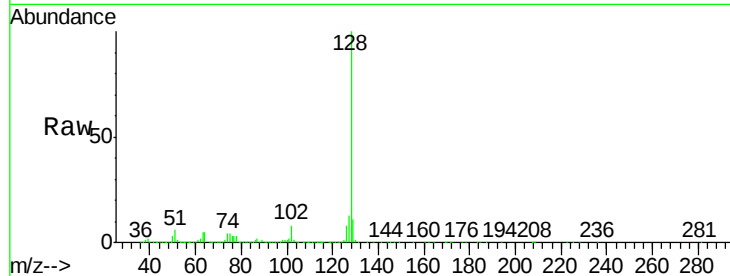
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	385773
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:29:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.075 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011565.D

Acq: 15 Aug 2019 18:27

Tgt Ion:	180	Resp:	133556
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.0	144.0
145	29.7	14.6	43.8

