

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042820\
 Data File : VX015961.D
 Acq On : 28 Apr 2020 15:01
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:59:39 PM

Quant Time: Apr 28 17:33:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:15:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	269227	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	419660	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	379726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	194711	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	2181	0.905	ug/l	96
3) Chloromethane	1.31	50	3340	1.144	ug/l	99
4) Vinyl Chloride	1.39	62	3342	1.008	ug/l	94
6) Chloroethane	1.72	64	2441	1.107	ug/l	97
7) Trichlorofluoromethane	1.92	101	5052	1.008	ug/l	95
8) Diethyl Ether	2.17	74	2418	1.156	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2704	1.082	ug/l	99
12) 1,1-Dichloroethene	2.36	96	2867	1.113	ug/l	97
14) Allyl chloride	2.71	41	4673	1.006	ug/l	97
15) Acrylonitrile	3.11	53	8469	4.999	ug/l	96
16) Acetone	2.42	43	7900	5.248	ug/l	97
17) Carbon Disulfide	2.55	76	12038	1.459	ug/l	98
18) Methyl Acetate	2.75	43	4306	1.008	ug/l	91
19) Methyl tert-butyl Ether	3.16	73	9055	0.972	ug/l	91
20) Methylene Chloride	2.83	84	3427	1.150	ug/l	92
21) trans-1,2-Dichloroethene	3.14	96	3375	1.163	ug/l	89
22) Diisopropyl ether	3.82	45	8849	0.969	ug/l #	98
23) Vinyl Acetate	3.78	43	36026	4.542	ug/l	99
24) 1,1-Dichloroethane	3.67	63	4965	0.976	ug/l	98
25) 2-Butanone	4.64	43	11797	4.836	ug/l	96
26) 2,2-Dichloropropane	4.54	77	4507	0.969	ug/l	91
27) cis-1,2-Dichloroethene	4.56	96	3584	1.088	ug/l	97
28) Bromochloromethane	4.98	49	2706	1.099	ug/l #	96
29) Tetrahydrofuran	5.10	42	8153	5.100	ug/l	98
30) Chloroform	5.18	83	5342	1.010	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	4852	0.996	ug/l #	46
36) 1,1-Dichloropropene	5.77	75	4655	1.165	ug/l	92
37) Ethyl Acetate	4.79	43	4360	0.951	ug/l #	95
38) Carbon Tetrachloride	5.74	117	4241	1.005	ug/l	98
39) Methylcyclohexane	7.43	83	4862	1.052	ug/l	97
40) Benzene	6.11	78	11892	1.043	ug/l	98
41) Methacrylonitrile	5.00	41	2565	1.046	ug/l #	56
42) 1,2-Dichloroethane	6.17	62	4724	1.069	ug/l	98
43) Isopropyl Acetate	6.41	43	7595	1.001	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.19	130	4753	1.156	ug/l	98
45) 1,2-Dichloropropane	7.49	63	3059	1.038	ug/l	98
46) Dibromomethane	7.64	93	2184	1.043	ug/l	96
47) Bromodichloromethane	7.87	83	3995	0.960	ug/l	95
48) Methyl methacrylate	7.75	41	3142	0.897	ug/l #	85
49) 1,4-Dioxane	7.72	88	1752	21.253	ug/l #	88
51) 4-Methyl-2-Pentanone	8.62	43	20904	4.541	ug/l	98
52) Toluene	8.76	92	7279	1.005	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	5135	1.040	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	5231	1.030	ug/l	93
55) 1,1,2-Trichloroethane	9.20	97	2865	0.990	ug/l	92
56) Ethyl methacrylate	9.16	69	4248	0.903	ug/l #	91
57) 1,3-Dichloropropane	9.35	76	4942	0.994	ug/l #	85
58) 2-Chloroethyl Vinyl ether	8.29	63	11747	4.832	ug/l	98
59) 2-Hexanone	9.47	43	16298	4.530	ug/l	100
60) Dibromochloromethane	9.57	129	2915	0.900	ug/l	96
61) 1,2-Dibromoethane	9.66	107	3045	0.971	ug/l	99
64) Tetrachloroethene	9.32	164	4891	1.086	ug/l	95
65) Chlorobenzene	10.12	112	8101	1.047	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	2795	0.956	ug/l #	65
67) Ethyl Benzene	10.24	91	14198	1.031	ug/l	98
68) m/p-Xylenes	10.34	106	10549	2.018	ug/l	97
69) o-Xylene	10.68	106	4770	0.961	ug/l	88
70) Styrene	10.70	104	8026	0.943	ug/l	98
71) Bromoform	10.84	173	1966	0.830	ug/l #	97
73) Isopropylbenzene	11.00	105	13567	1.024	ug/l	100
74) N-amyl acetate	10.88	43	6206	0.971	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	1846	0.719	ug/l	88
76) 1,2,3-Trichloropropane	11.28	75	4212m	0.826	ug/l	
77) Bromobenzene	11.24	156	3468	1.017	ug/l	97
78) n-propylbenzene	11.34	91	15402	1.011	ug/l	96
79) 2-Chlorotoluene	11.40	91	9645	1.062	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	10691	0.958	ug/l	97
82) 4-Chlorotoluene	11.49	91	11352	1.045	ug/l	97
83) tert-Butylbenzene	11.76	119	9239	0.960	ug/l	94
84) 1,2,4-Trimethylbenzene	11.79	105	10509	0.936	ug/l	96
85) sec-Butylbenzene	11.93	105	12688	0.979	ug/l	97
86) p-Isopropyltoluene	12.05	119	12043	0.992	ug/l	94
87) 1,3-Dichlorobenzene	12.01	146	6808	1.095	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	7071	1.125	ug/l	90
89) n-Butylbenzene	12.37	91	11024	1.005	ug/l	98
90) Hexachloroethane	12.58	117	2015	0.939	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	6219	1.046	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	1185	1.084	ug/l	79
93) 1,2,4-Trichlorobenzene	13.63	180	4966	1.113	ug/l	97
94) Hexachlorobutadiene	13.76	225	2222	1.114	ug/l	96
95) Naphthalene	13.82	128	13897	0.987	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	4565	1.062	ug/l	100

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MSVOA_X
ClientSampleId :
VSTDICC001

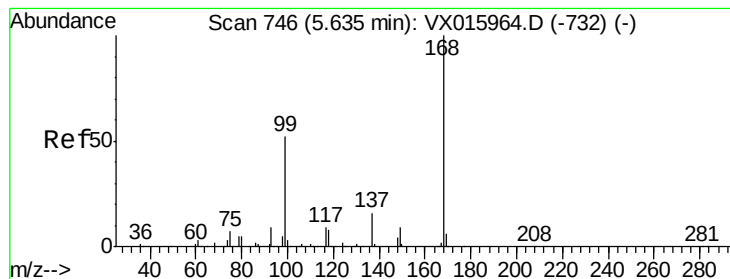
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 269227

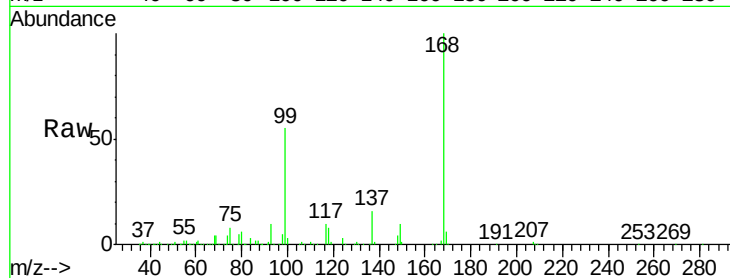
Ion Ratio Lower Upper

168 100

99 54.7 41.7 62.5

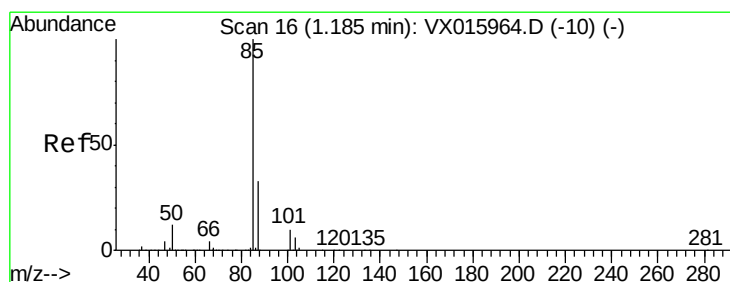
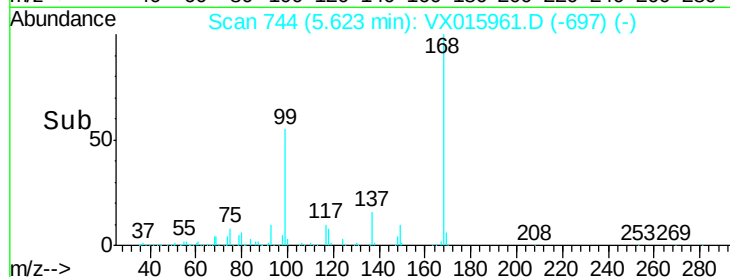
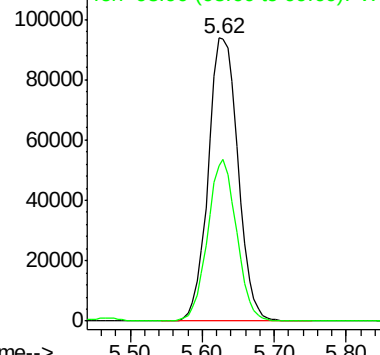
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.905 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015961.D

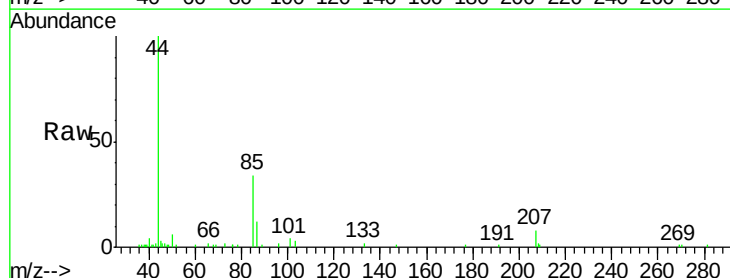
Acq: 28 Apr 2020 15:01

Tgt Ion: 85 Resp: 2181

Ion Ratio Lower Upper

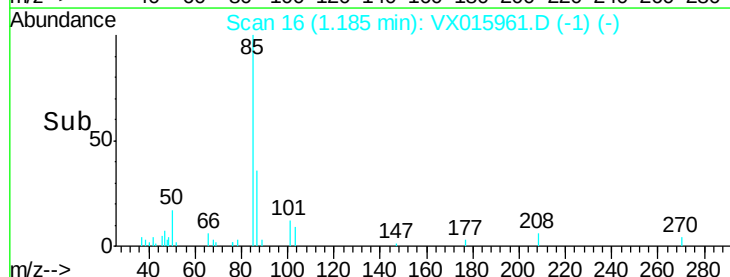
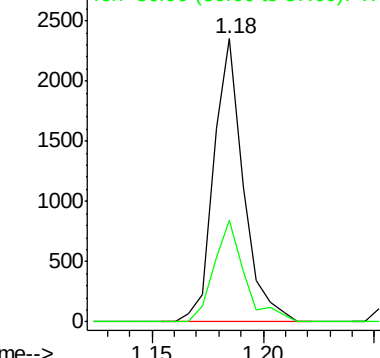
85 100

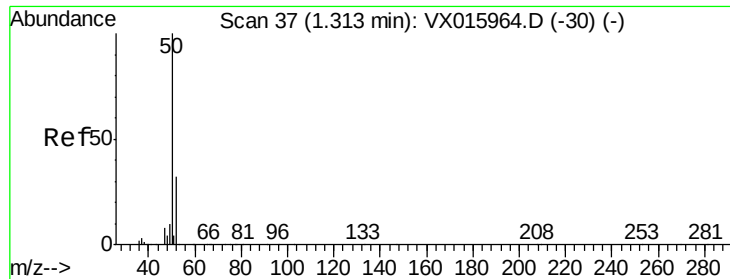
87 35.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 1.144 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3340

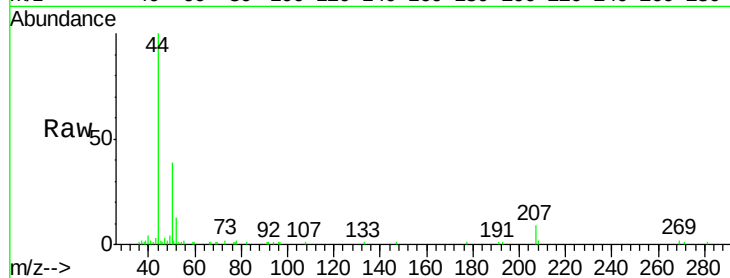
Ion Ratio Lower Upper

50 100

52 32.4 25.5 38.3

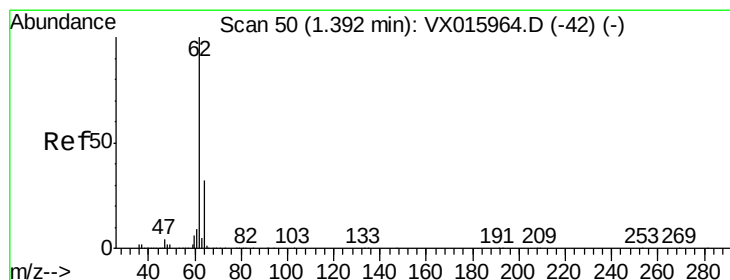
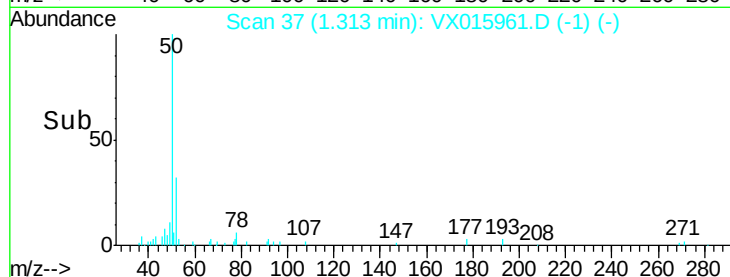
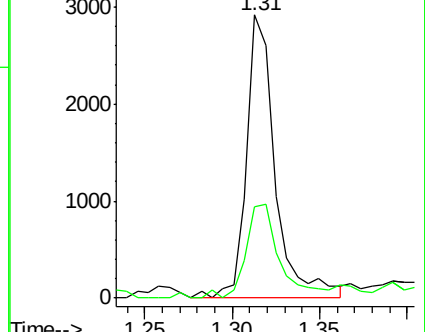
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.008 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015961.D

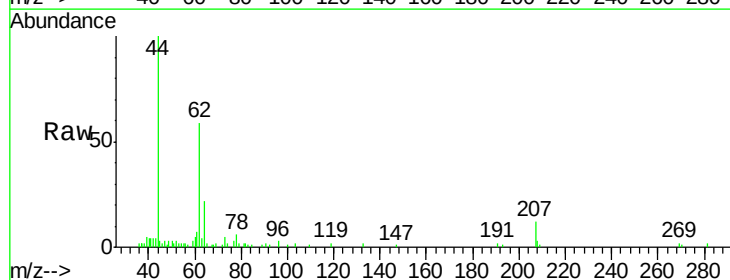
Acq: 28 Apr 2020 15:01

Tgt Ion: 62 Resp: 3342

Ion Ratio Lower Upper

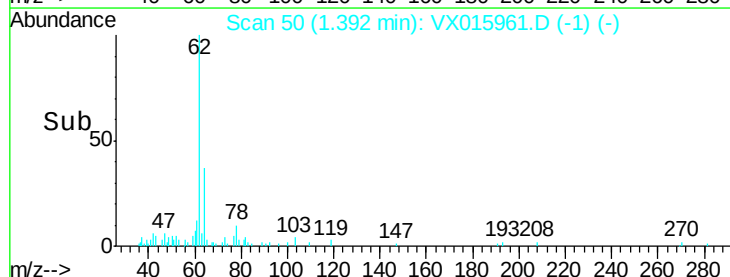
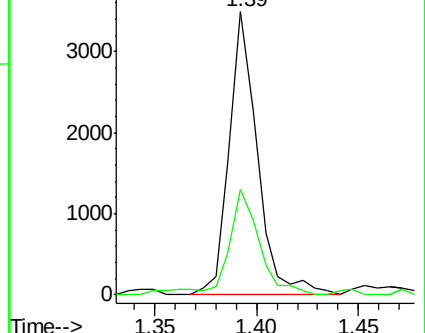
62 100

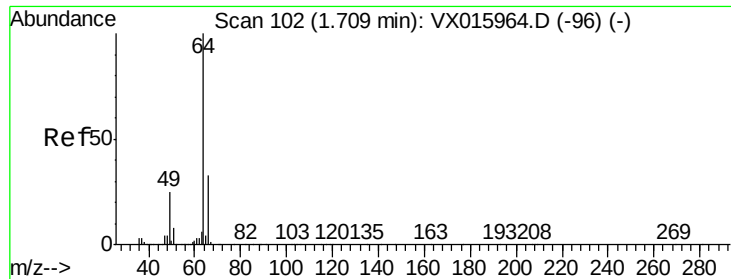
64 35.5 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 1.107 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 2441

Ion Ratio Lower Upper

64 100

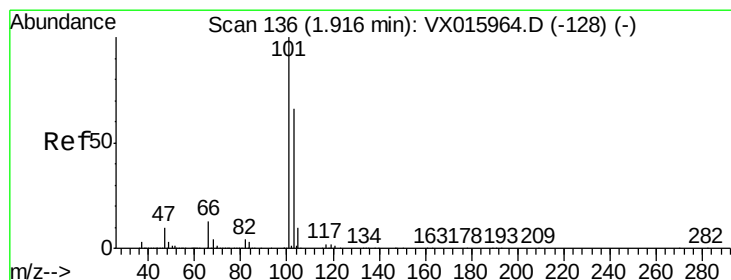
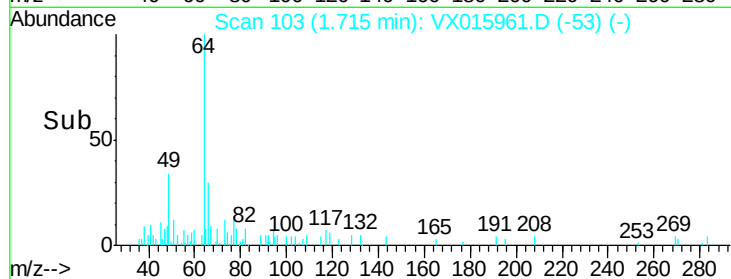
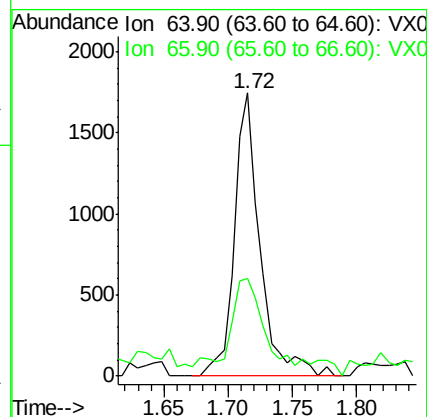
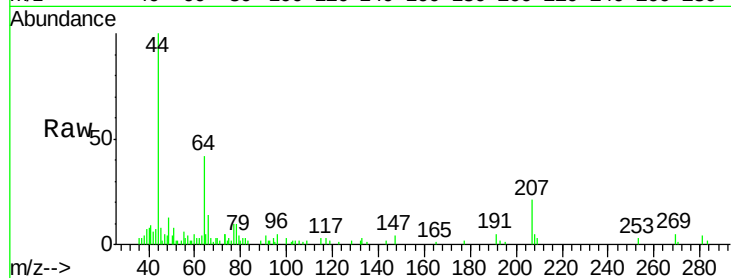
66 34.4 26.2 39.2

Manual Integrations

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#7

Trichlorofluoromethane

Concen: 1.008 ug/l

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX015961.D

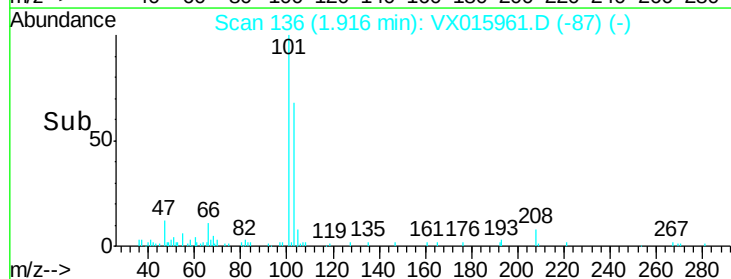
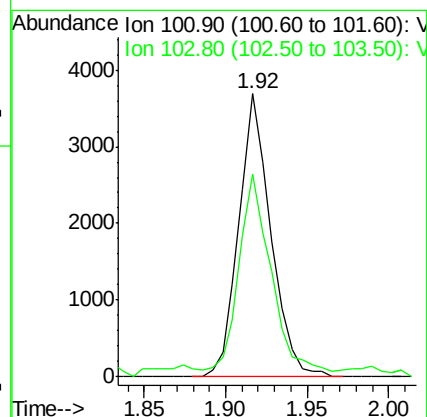
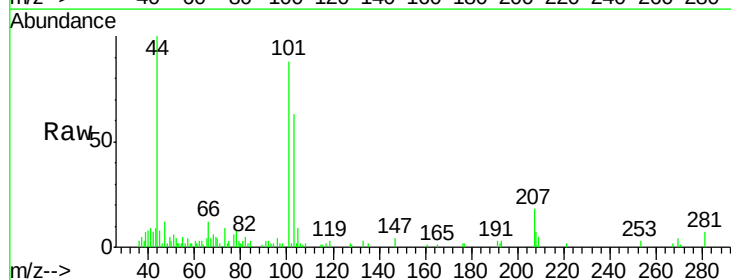
Acq: 28 Apr 2020 15:01

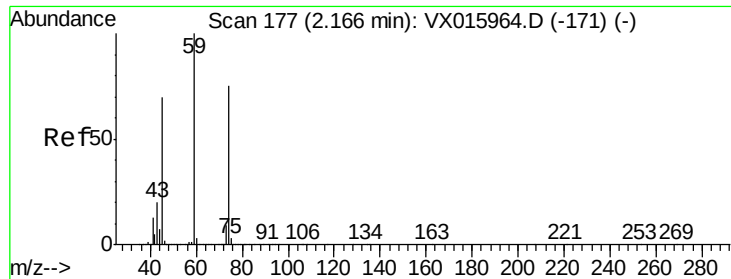
Tgt Ion: 101 Resp: 5052

Ion Ratio Lower Upper

101 100

103 69.5 52.4 78.6





#8

Diethyl Ether

Concen: 1.156 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 2418

Ion Ratio Lower Upper

74 100

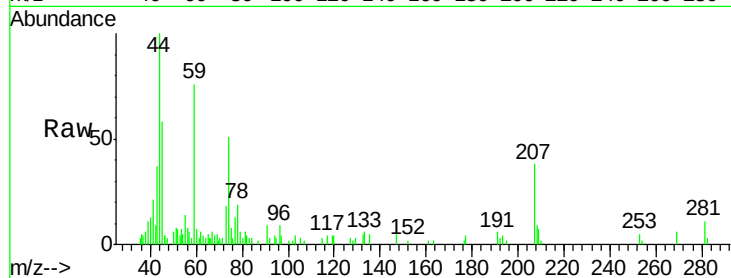
45 101.6 47.1 141.3

Manual Integrations

APPROVED

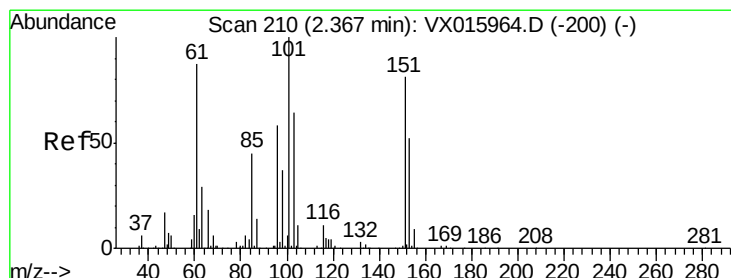
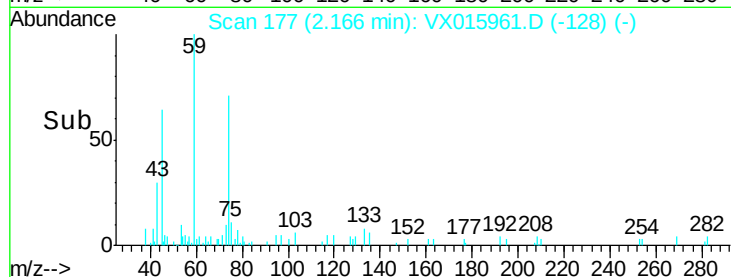
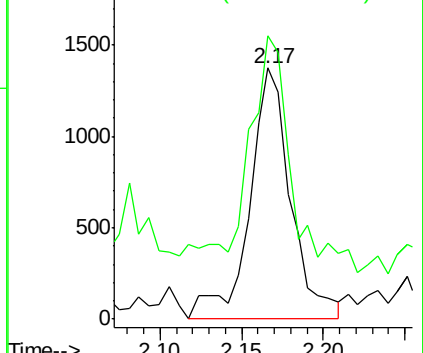
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Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.082 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

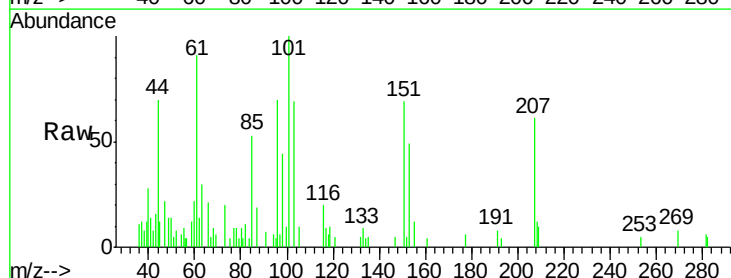
Tgt Ion: 101 Resp: 2704

Ion Ratio Lower Upper

101 100

85 47.2 36.3 54.5

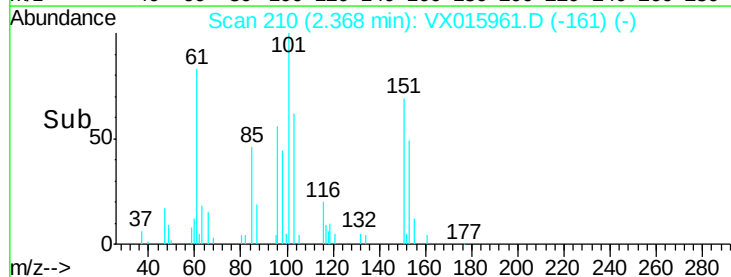
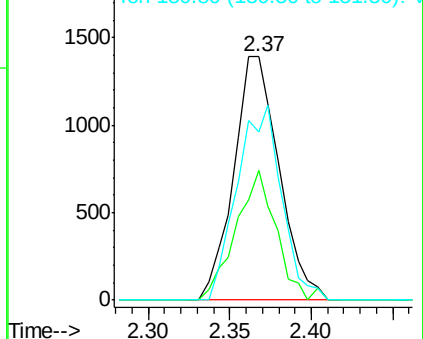
151 78.3 63.1 94.7

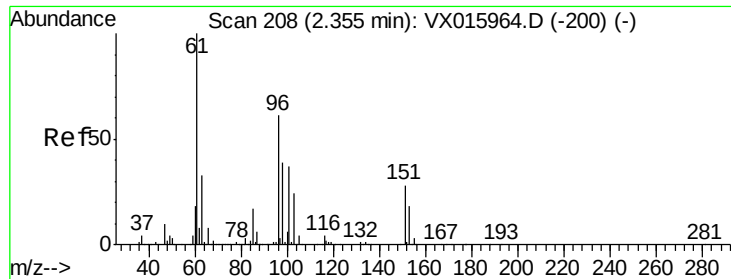


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





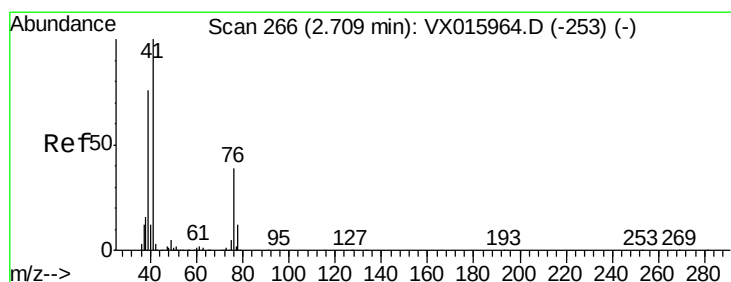
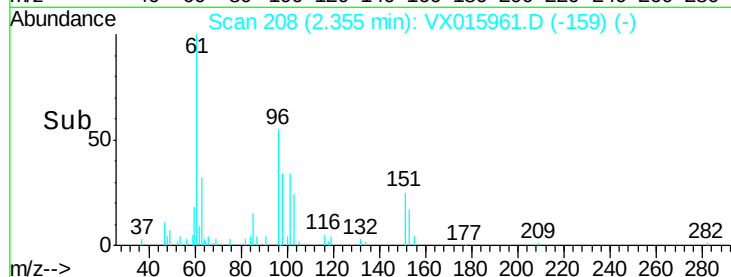
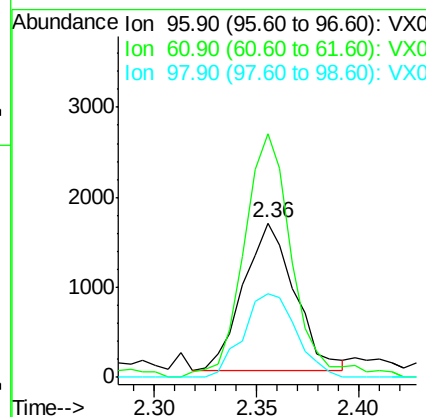
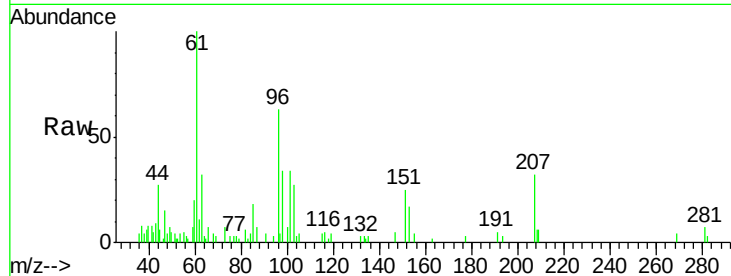
#12
1,1-Dichloroethene
Concen: 1.113 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Instrument :
MSVOA_X
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VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.7	131.0	196.4
98	56.6	50.7	76.1

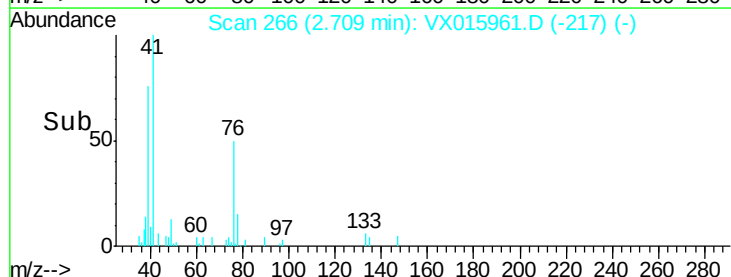
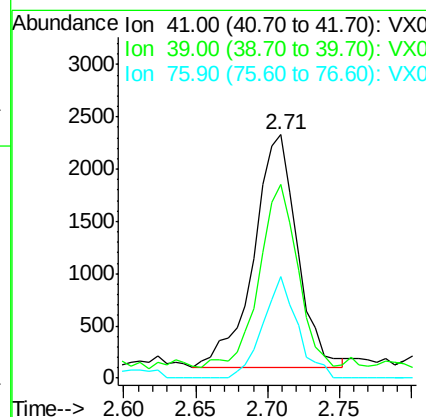
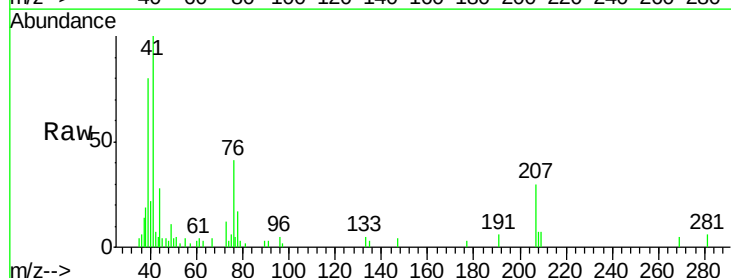
Manual Integrations
APPROVED

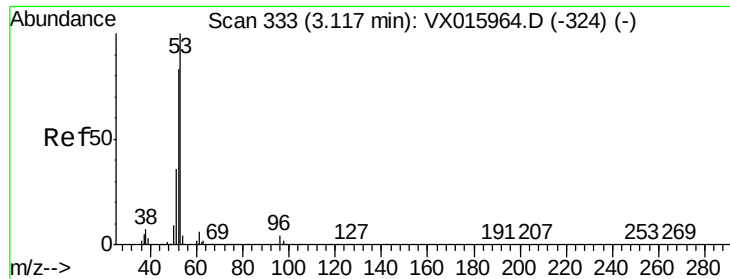
MMDadoda
4/30/2020 2:59:39 PM



#14
Allyl chloride
Concen: 1.006 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.2	55.4	83.0
76	34.3	27.1	40.7





#15

Acrylonitrile

Concen: 4.999 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

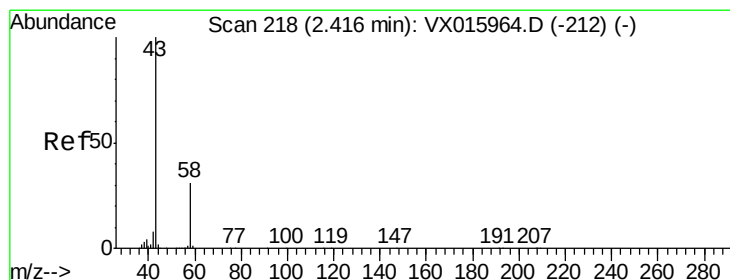
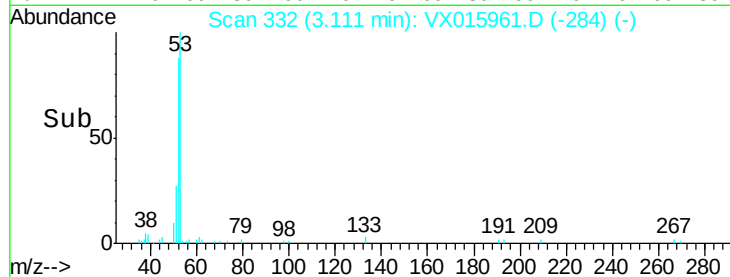
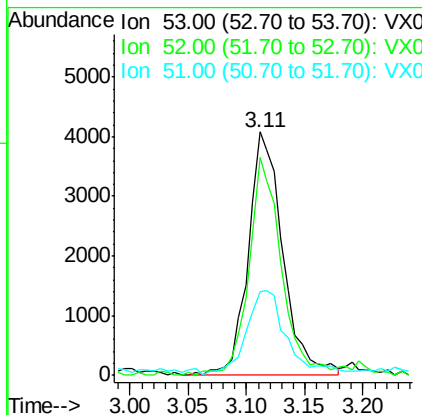
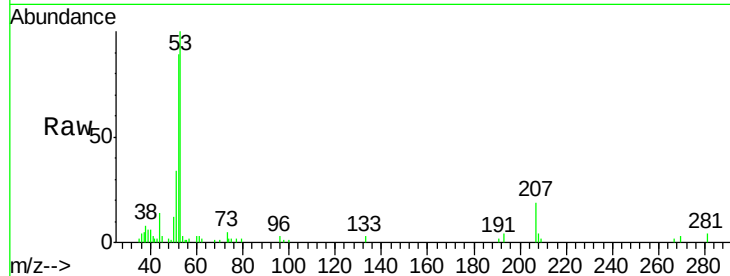
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	8469
Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.5	98.3
51	39.1	28.7	43.1

Manual Integrations
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MMDadoda
4/30/2020 2:59:39 PM



#16

Acetone

Concen: 5.248 ug/l

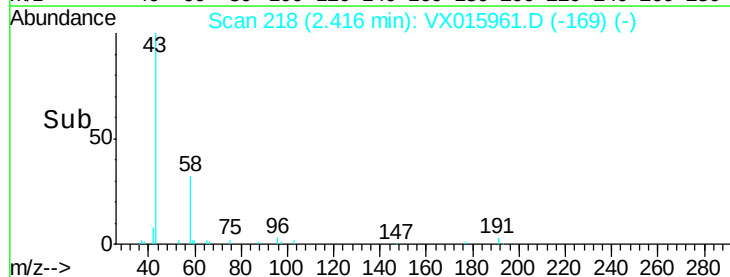
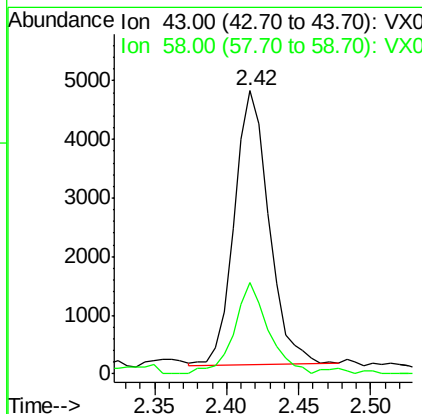
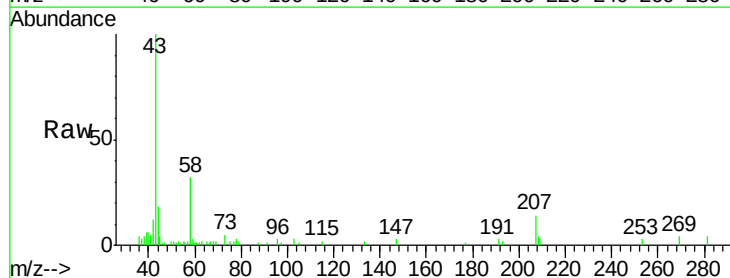
RT: 2.42 min Scan# 218

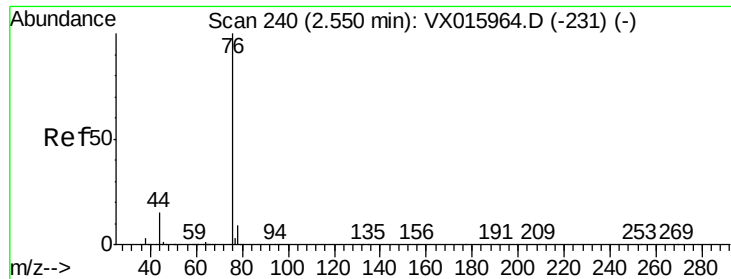
Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Tgt Ion:	43	Resp:	7900
Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.1	37.7





#17

Carbon Disulfide

Concen: 1.459 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 12038

Ion Ratio Lower Upper

76 100

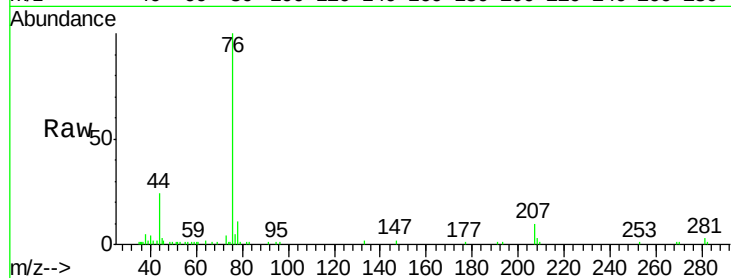
78 9.8 7.4 11.0

Manual Integrations

APPROVED

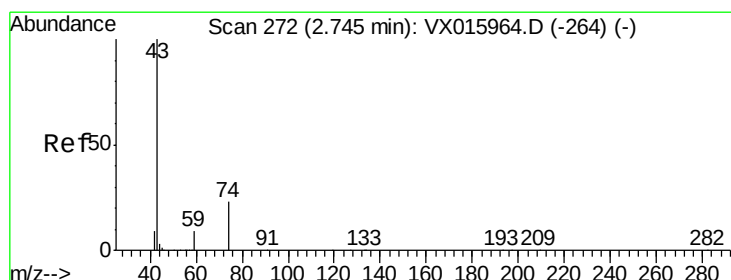
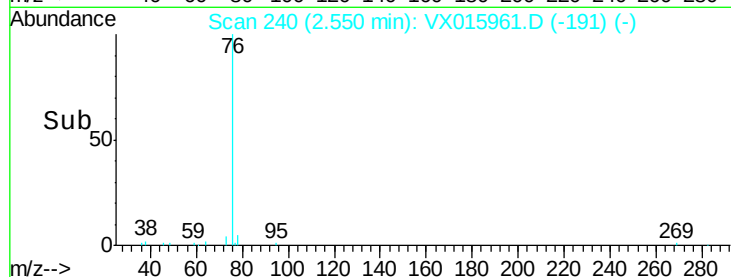
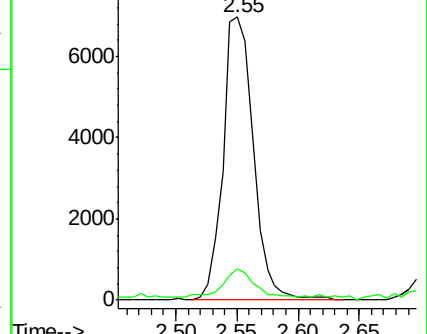
MMDadoda

4/30/2020 2:59:39 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.008 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX015961.D

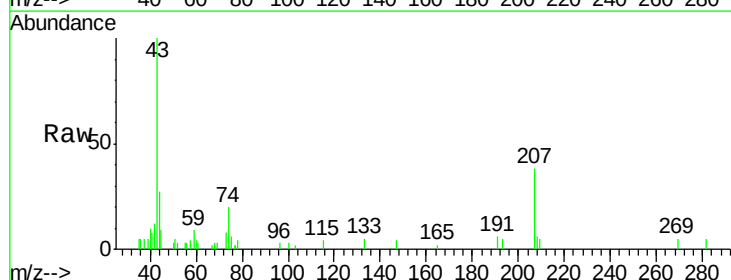
Acq: 28 Apr 2020 15:01

Tgt Ion: 43 Resp: 4306

Ion Ratio Lower Upper

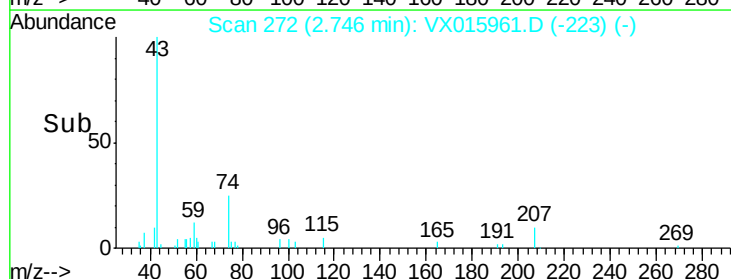
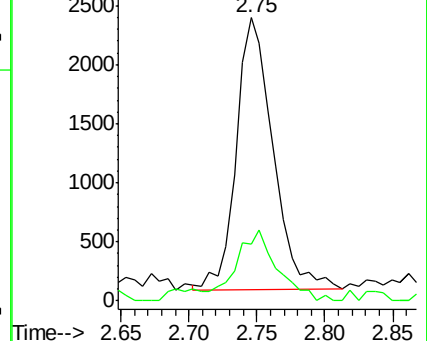
43 100

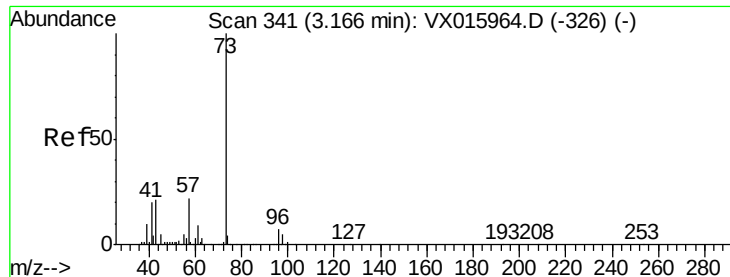
74 28.9 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





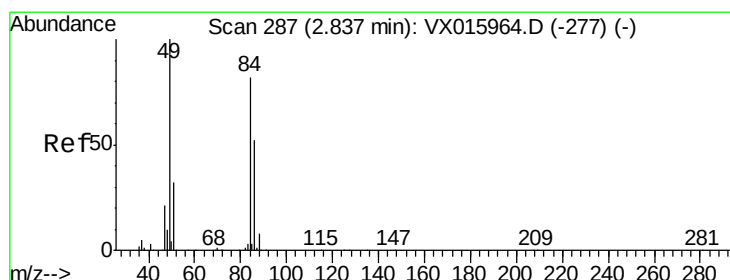
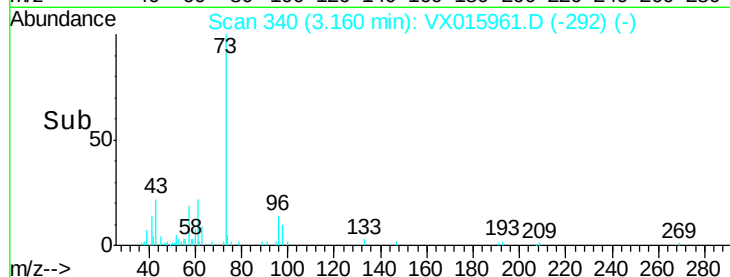
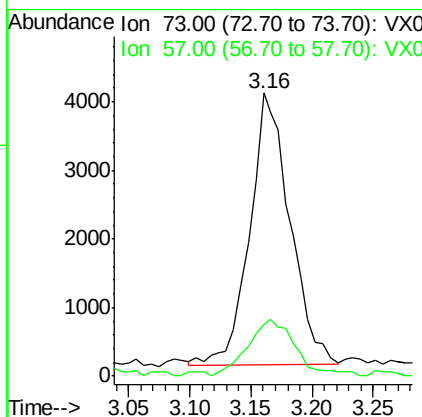
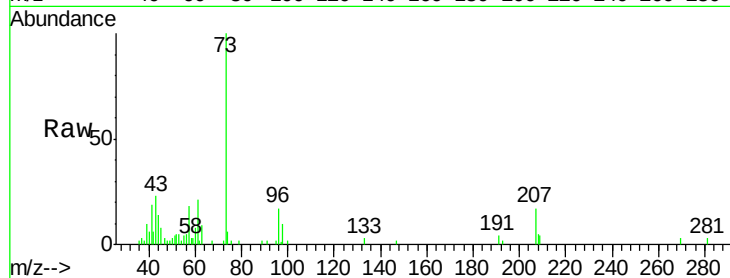
#19
Methyl tert-butyl Ether
Concen: 0.972 ug/l
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.6	17.5	26.3

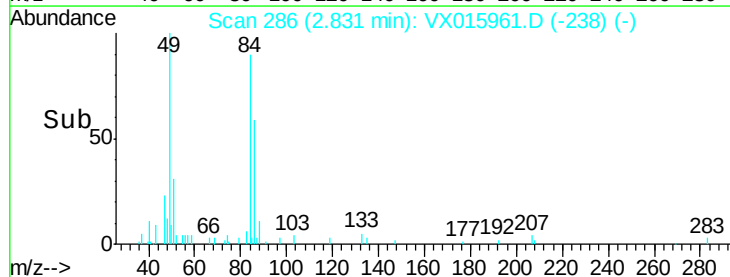
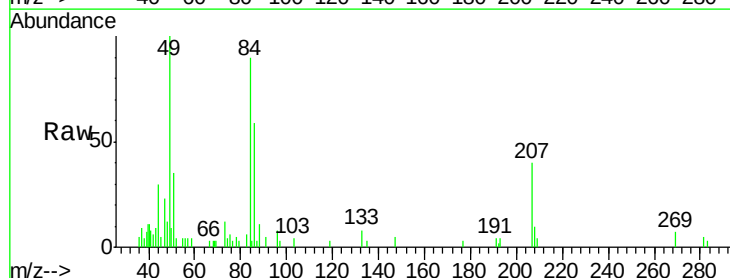
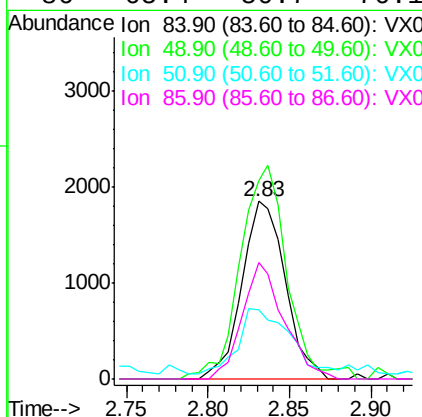
Manual Integrations
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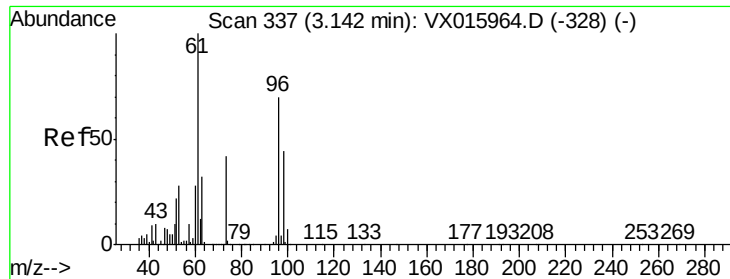
MMDadoda
4/30/2020 2:59:39 PM



#20
Methylene Chloride
Concen: 1.150 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.3	97.9	146.9
51	35.8	31.2	46.8
86	65.4	50.7	76.1





#21

trans-1,2-Dichloroethene

Concen: 1.163 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

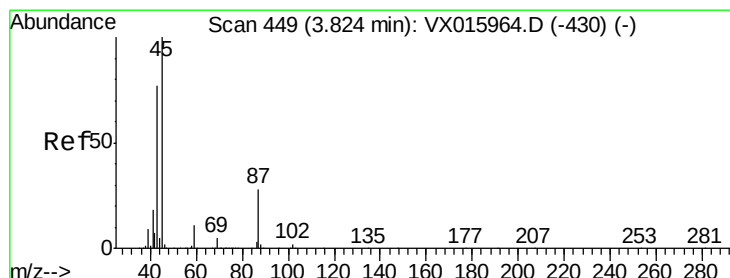
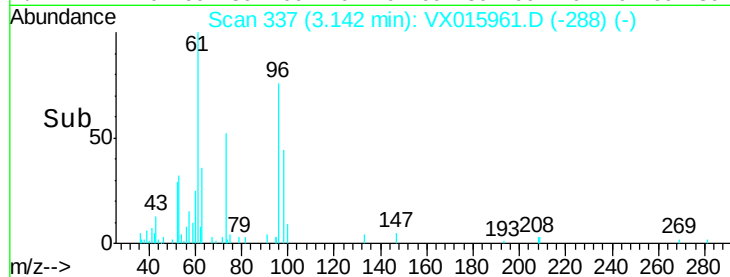
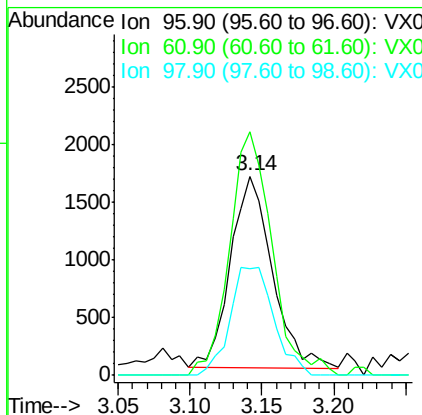
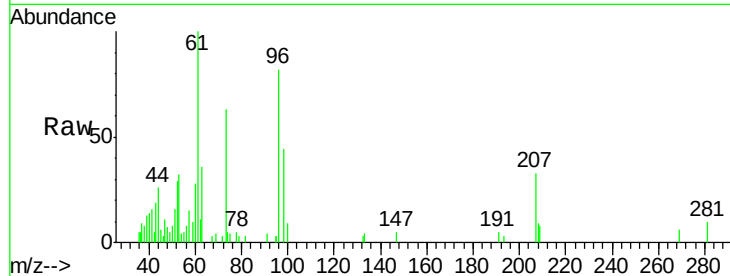
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	3375
Ion	Ratio	Lower	Upper
96	100		
61	127.8	113.6	170.4
98	56.3	50.3	75.5

Manual Integrations
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4/30/2020 2:59:39 PM



#22

Diisopropyl ether

Concen: 0.969 ug/l

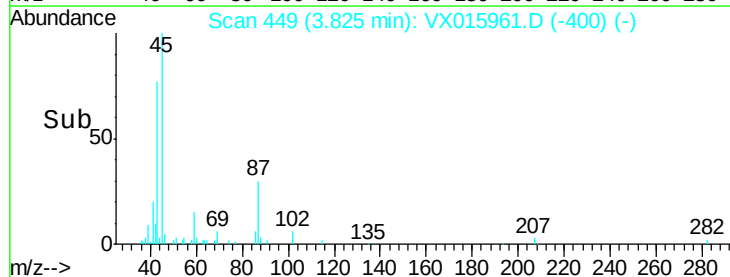
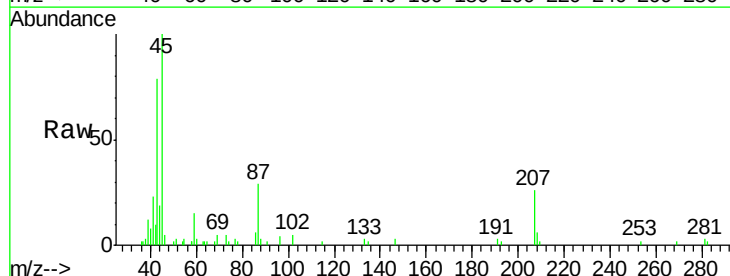
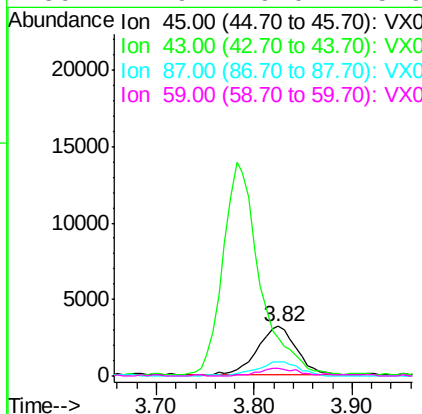
RT: 3.82 min Scan# 449

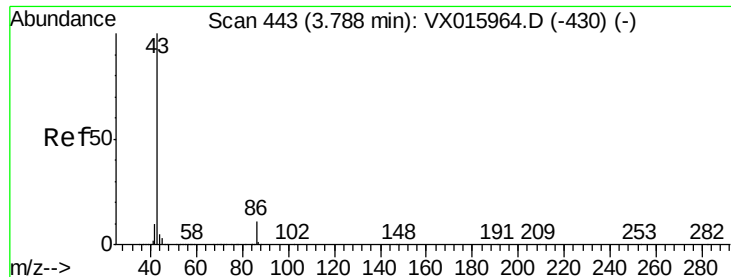
Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Tgt Ion:	45	Resp:	8849
Ion	Ratio	Lower	Upper
45	100		
43	75.7	61.3	91.9
87	29.7	22.6	33.8
59	14.9	9.0	13.6#





#23

Vinyl Acetate

Concen: 4.542 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 36026

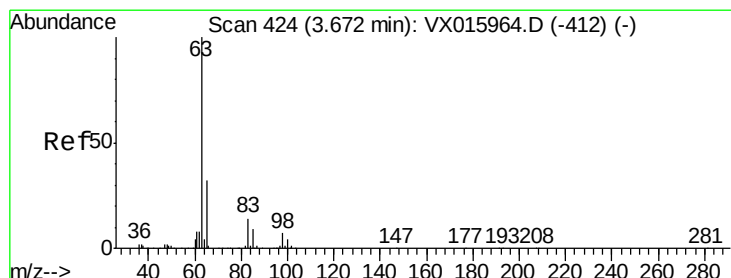
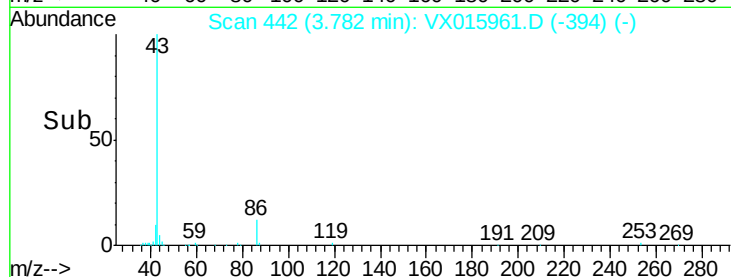
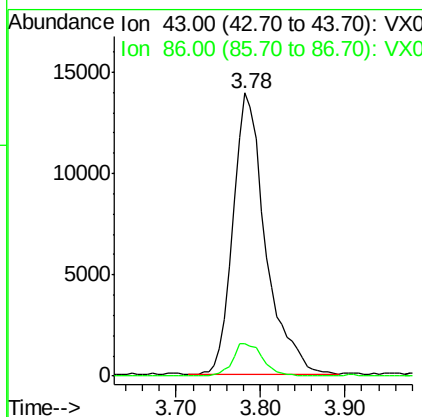
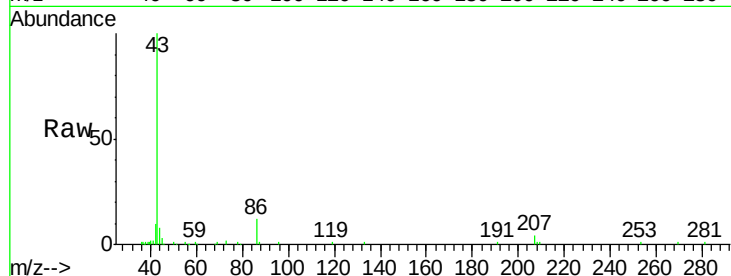
Ion Ratio Lower Upper

43 100

86 11.7 8.9 13.3

Manual Integrations
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4/30/2020 2:59:39 PM



#24

1,1-Dichloroethane

Concen: 0.976 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

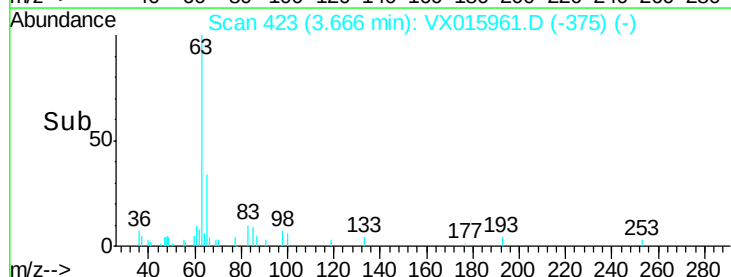
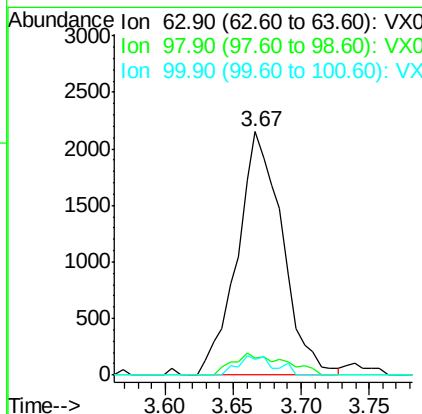
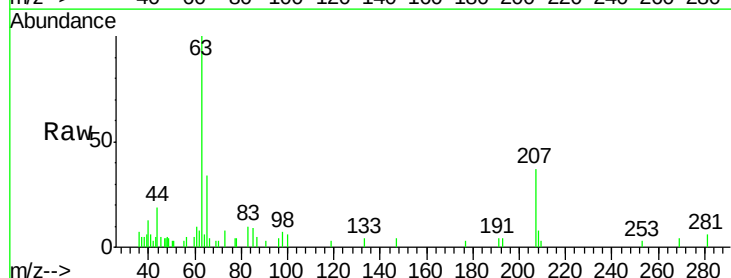
Tgt Ion: 63 Resp: 4965

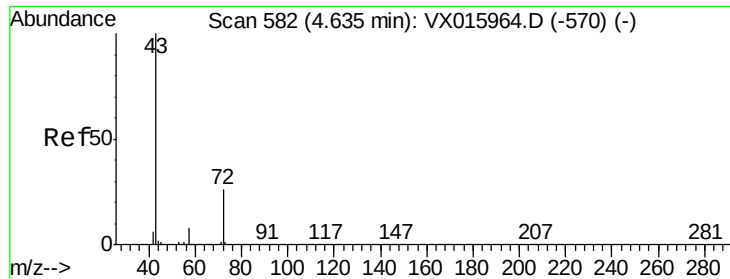
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

100 6.2 2.2 6.6





#25

2-Butanone

Concen: 4.836 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 11797

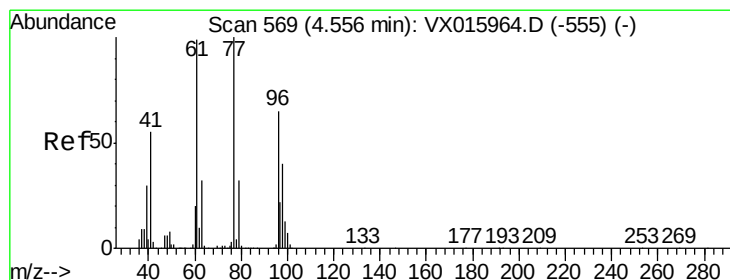
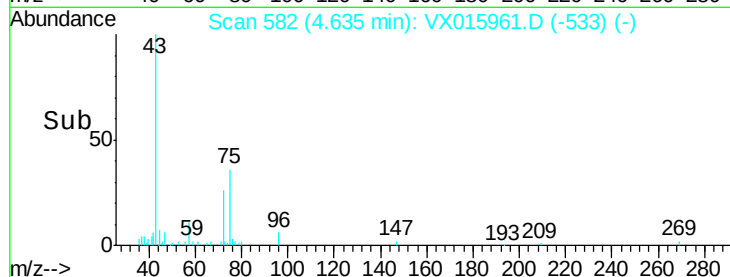
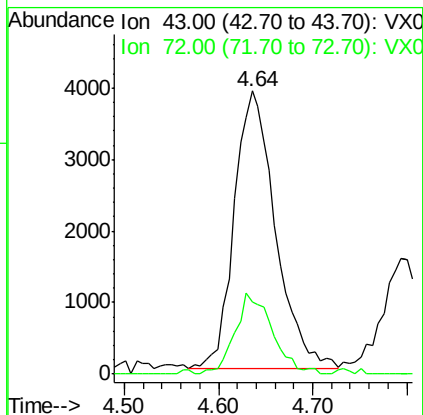
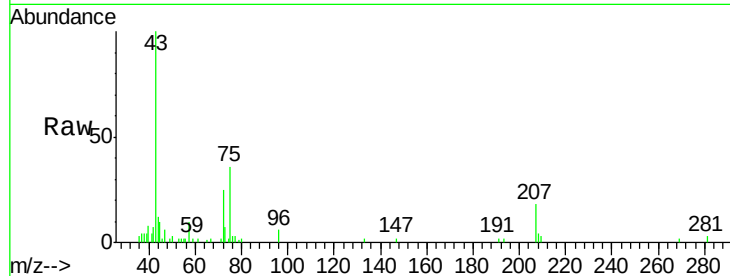
Ion Ratio Lower Upper

43 100

72 24.4 21.0 31.4

Manual Integrations
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4/30/2020 2:59:39 PM



#26

2,2-Dichloropropane

Concen: 0.969 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX015961.D

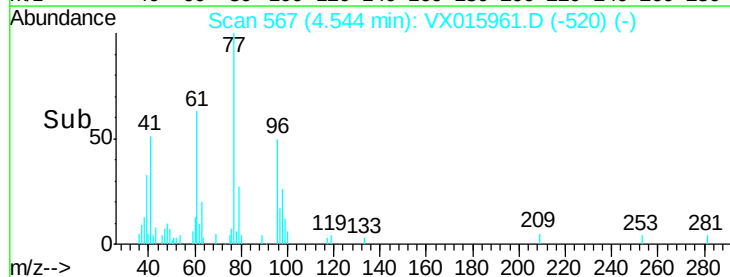
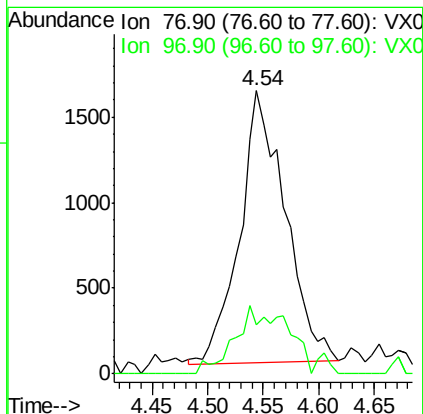
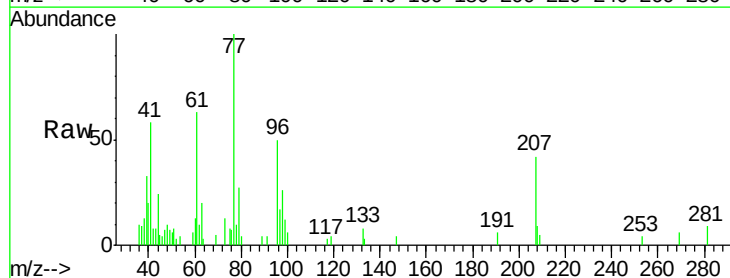
Acq: 28 Apr 2020 15:01

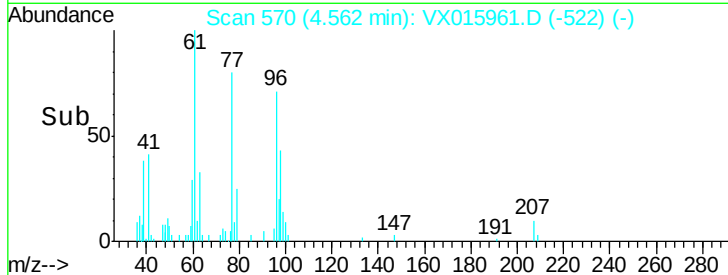
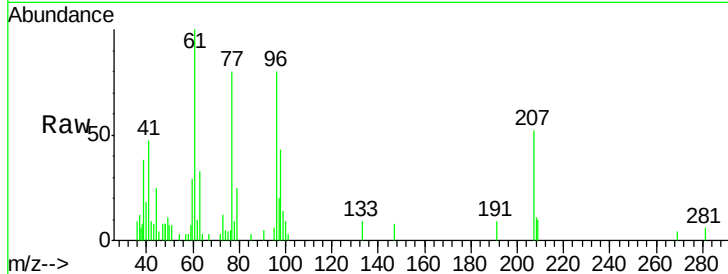
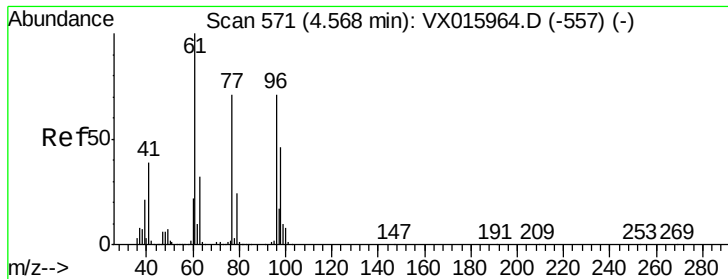
Tgt Ion: 77 Resp: 4507

Ion Ratio Lower Upper

77 100

97 18.1 11.1 33.3





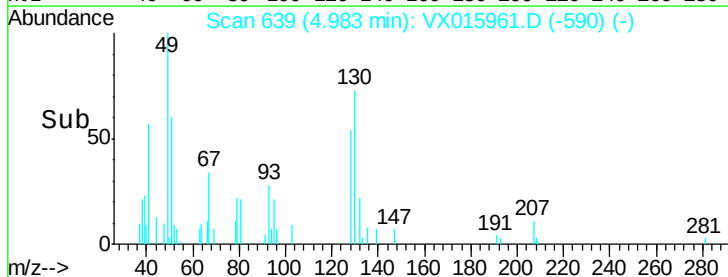
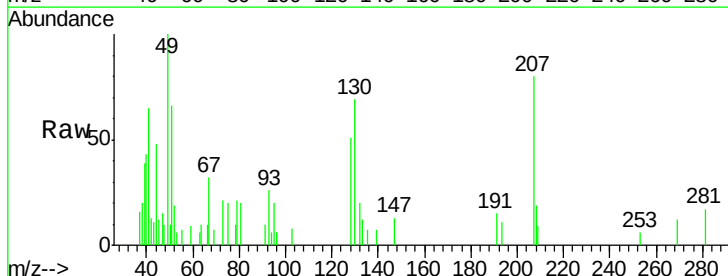
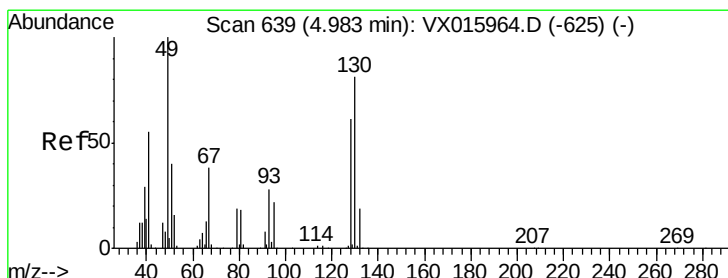
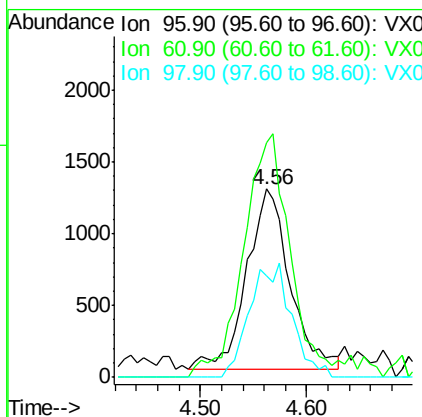
#27
 cis-1,2-Dichloroethene
 Concen: 1.088 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX015961.D
 Acq: 28 Apr 2020 15:01

Tot Ion:	96	Resp:	3584
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	294.2
98	60.8	0.0	127.4

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

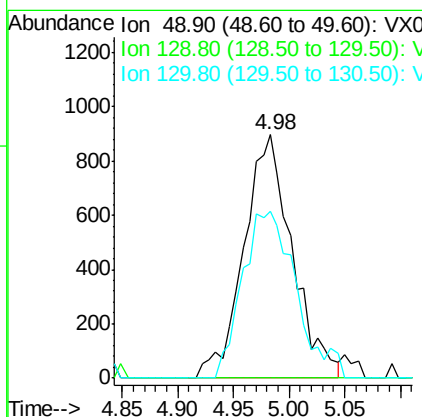
Manual Integrations
 APPROVED

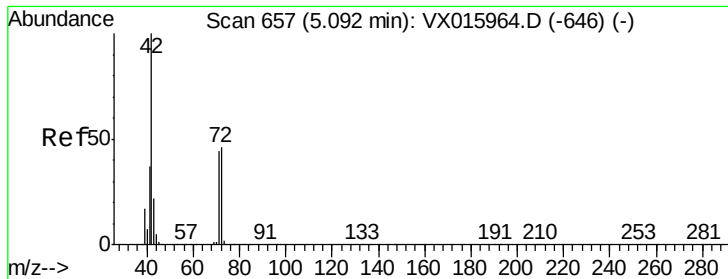
MMDadoda
 4/30/2020 2:59:39 PM



#28
 Bromochloromethane
 Concen: 1.099 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VX015961.D
 Acq: 28 Apr 2020 15:01

Tgt Ion:	49	Resp:	2706
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	76.1	63.9	95.9





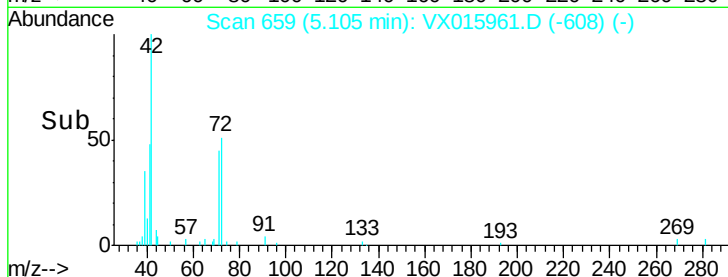
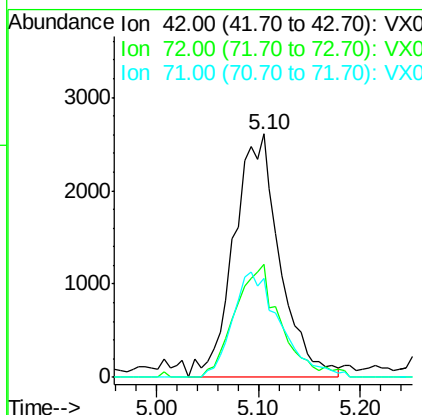
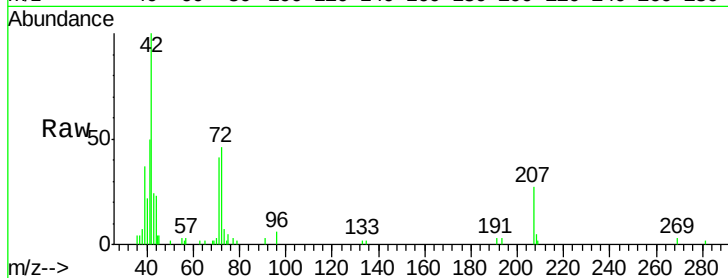
#29
Tetrahydrofuran
Concen: 5.100 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.4	56.0
71	45.1	34.6	52.0

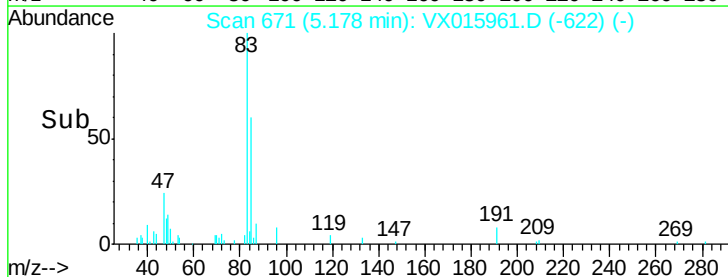
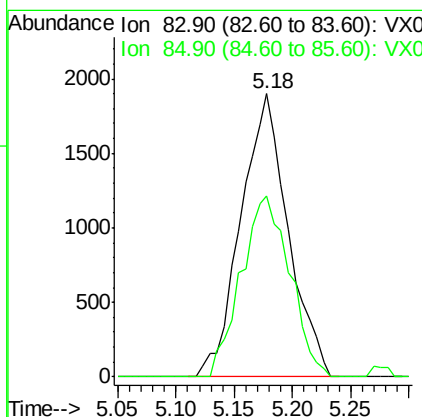
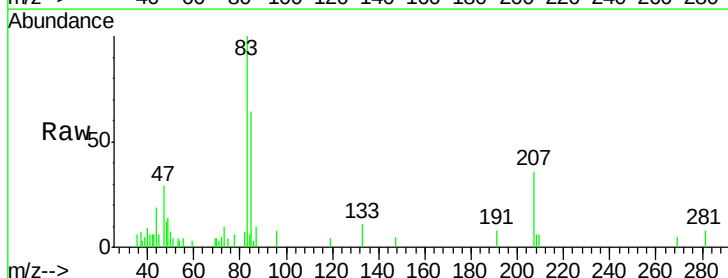
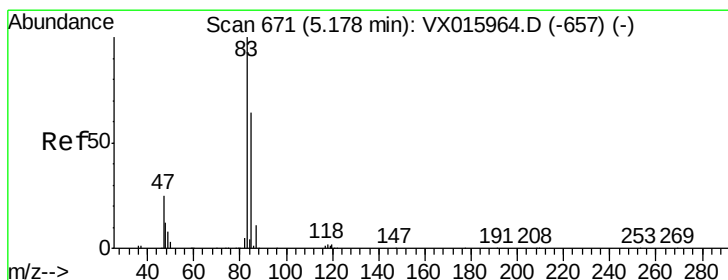
Manual Integrations
APPROVED

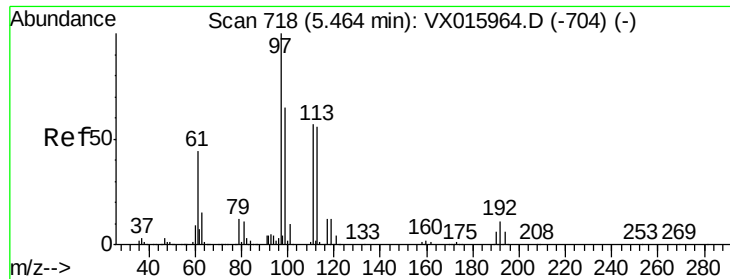
MMDadoda
4/30/2020 2:59:39 PM



#30
Chloroform
Concen: 1.010 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.4





#32

1,1,1-Trichloroethane

Concen: 0.996 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 4852

Ion Ratio Lower Upper

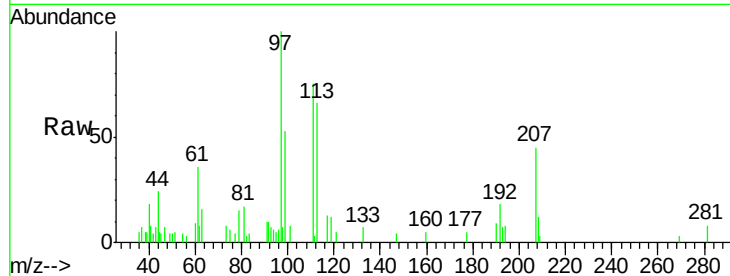
97 100

99 0.0 51.4 77.0#

61 53.0 35.7 53.5

Manual Integrations
APPROVED

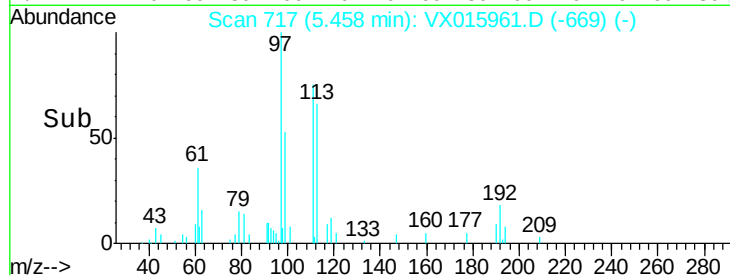
MMDadoda
4/30/2020 2:59:39 PM



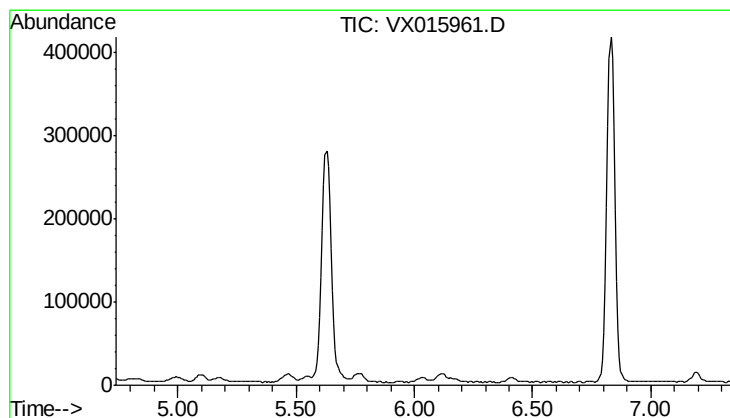
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 6.04 min

Lab File: VX015961.D

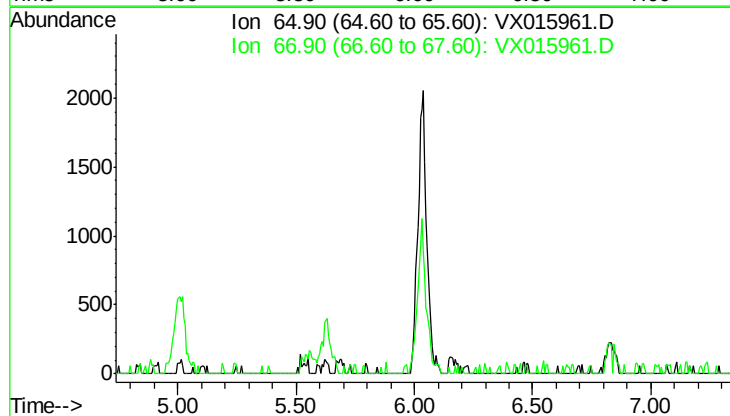
Acq: 28 Apr 2020 15:01

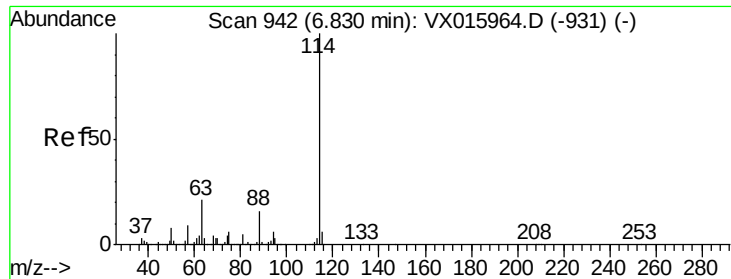
Tgt Ion: 65

Sig Exp Ratio

65 100

67 51.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

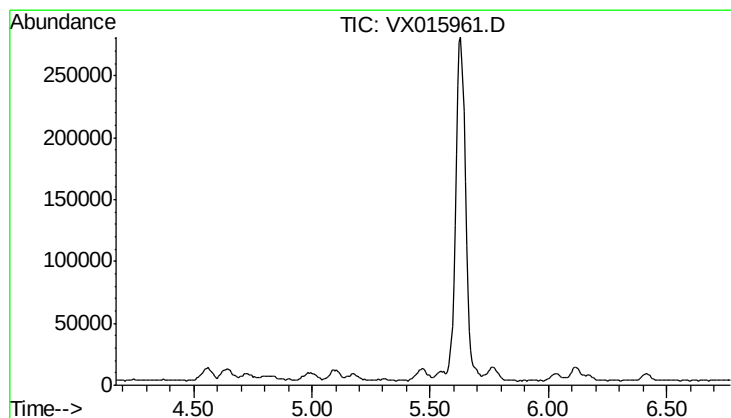
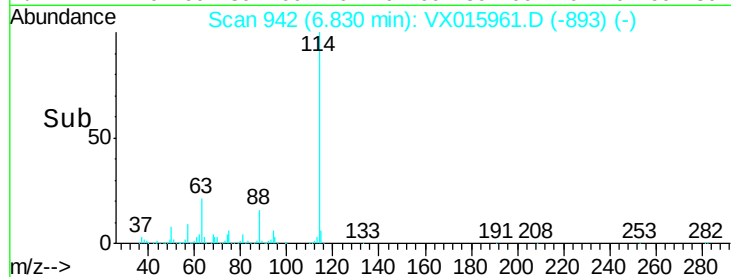
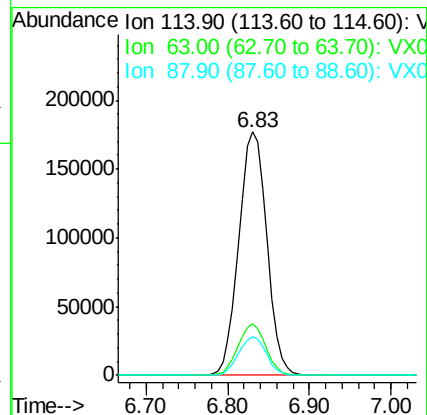
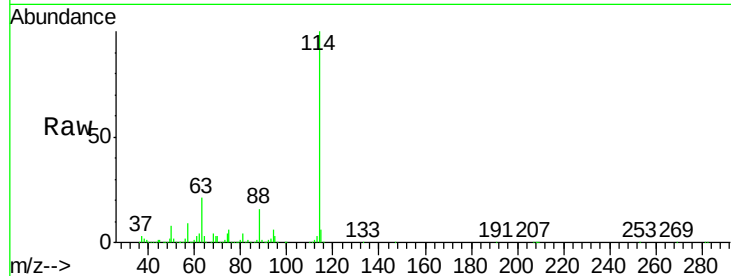
ClientSampleId :

VSTDIC001

Tot Ion:	114	Resp:	419660
Ion Ratio		Lower	Upper
114	100		
63	20.9	0.0	41.2
88	16.1	0.0	31.8

Manual Integrations
APPROVED

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4/30/2020 2:59:39 PM



#35

Dibromofluoromethane

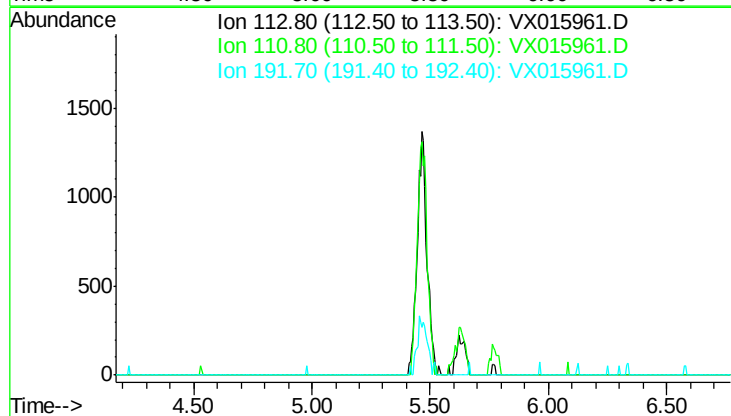
Concen: 0.000 ug/l

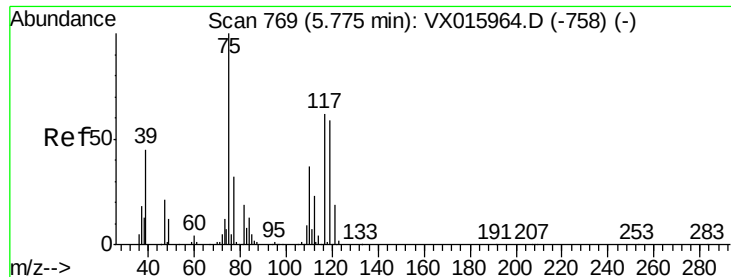
Expected RT: 5.47 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Tgt Ion:	113
Sig	Exp Ratio
113	100
111	102.3
192	21.0





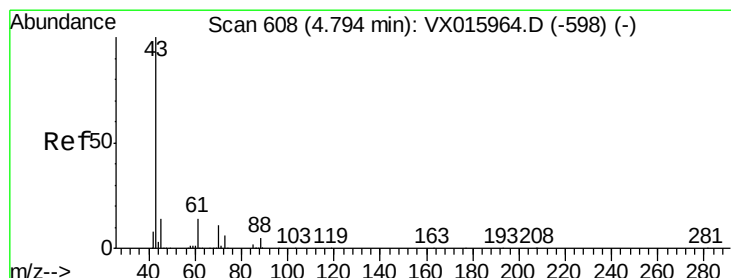
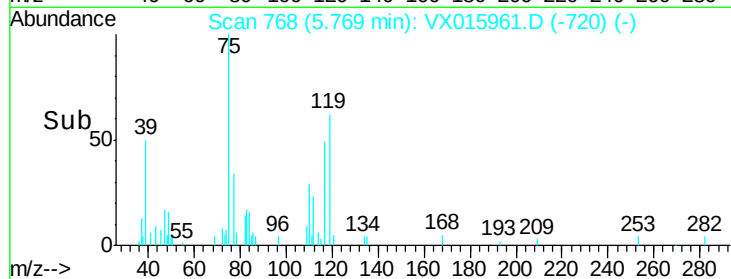
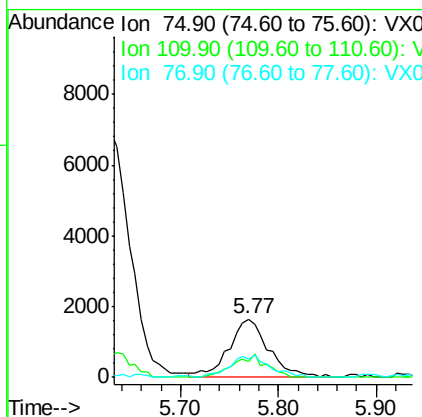
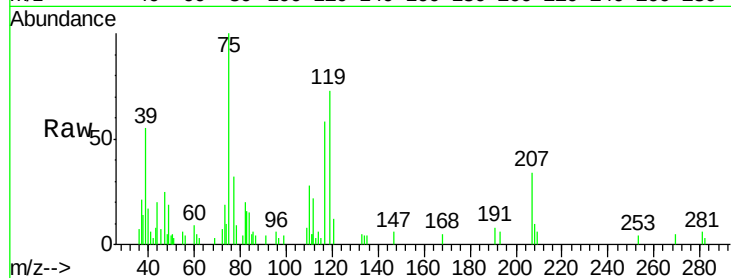
#36
 1,1-Dichloropropene
 Concen: 1.165 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: VX015961.D
 Acq: 28 Apr 2020 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:	75	Resp:	4655
Ion	Ratio	Lower	Upper
75	100		
110	32.6	17.9	53.7
77	37.2	25.2	37.8

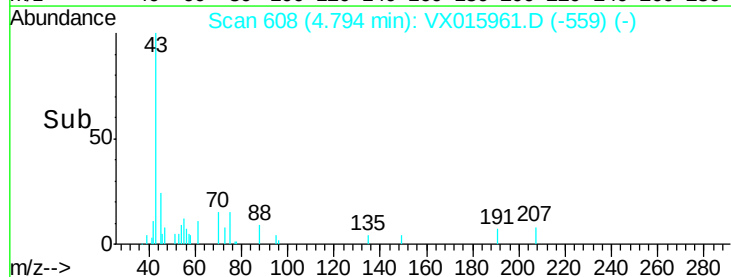
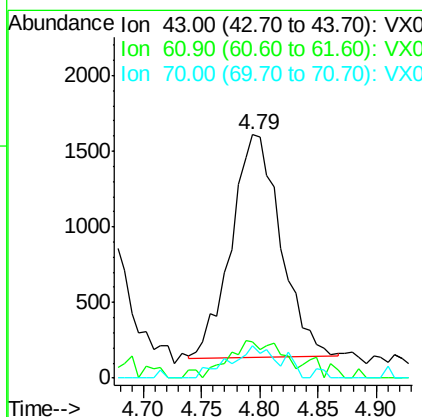
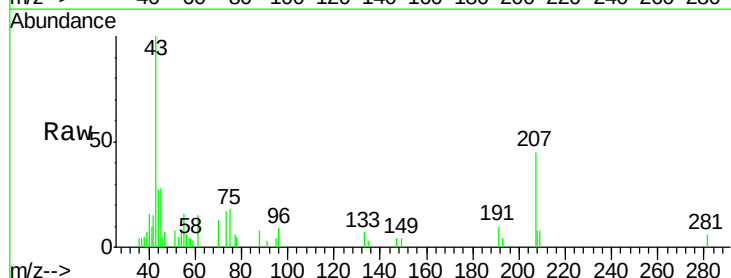
Manual Integrations
 APPROVED

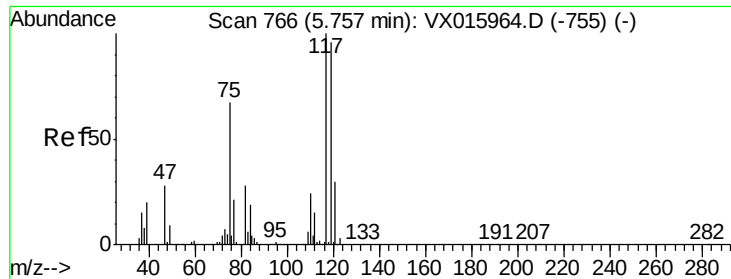
MMDadoda
 4/30/2020 2:59:39 PM



#37
 Ethyl Acetate
 Concen: 0.951 ug/l
 RT: 4.79 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VX015961.D
 Acq: 28 Apr 2020 15:01

Tgt Ion:	43	Resp:	4360
Ion	Ratio	Lower	Upper
43	100		
61	17.4	11.6	17.4#
70	12.3	8.9	13.3





#38

Carbon Tetrachloride

Concen: 1.005 ug/l

RT: 5.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

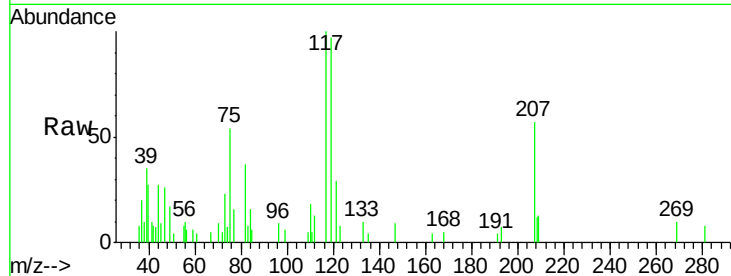
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	4241
Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.2	114.4
121	29.4	24.2	36.4

Manual Integrations
APPROVED

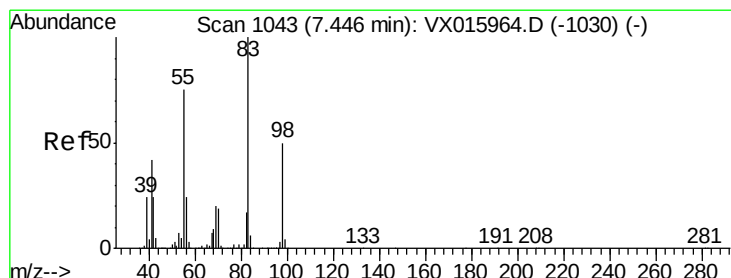
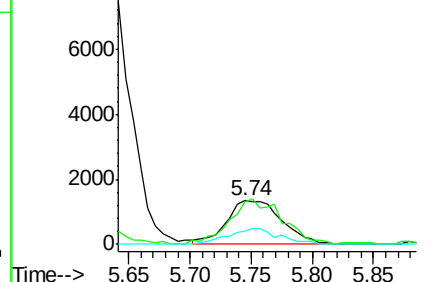
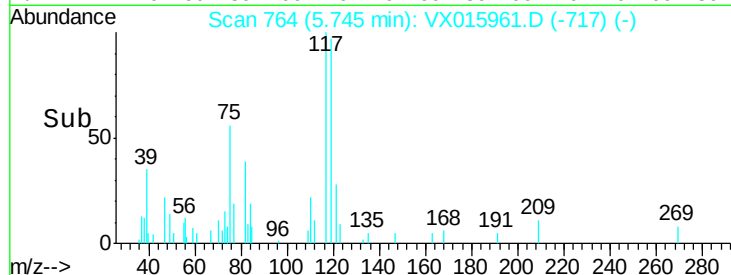
MMDadoda
4/30/2020 2:59:39 PM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.052 ug/l

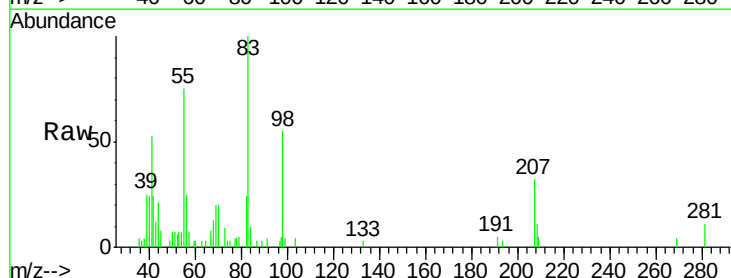
RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

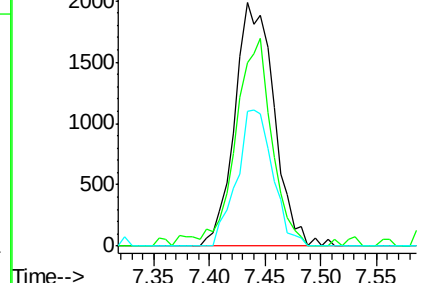
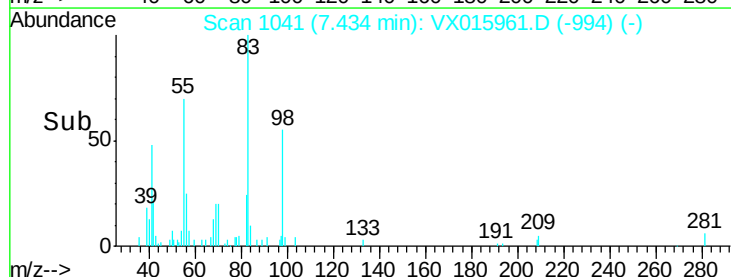
Tgt Ion:	83	Resp:	4862
Ion	Ratio	Lower	Upper
83	100		
55	75.1	59.9	89.9
98	55.1	39.9	59.9

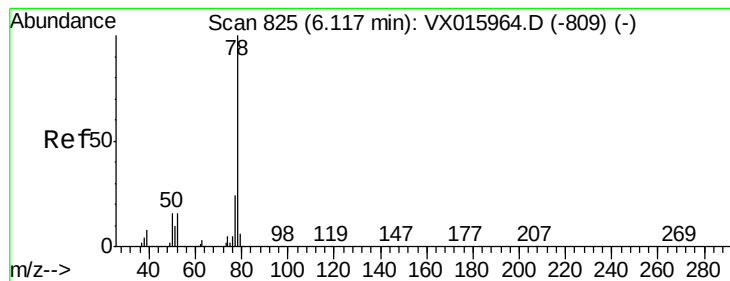


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.043 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 11892

Ion Ratio Lower Upper

78 100

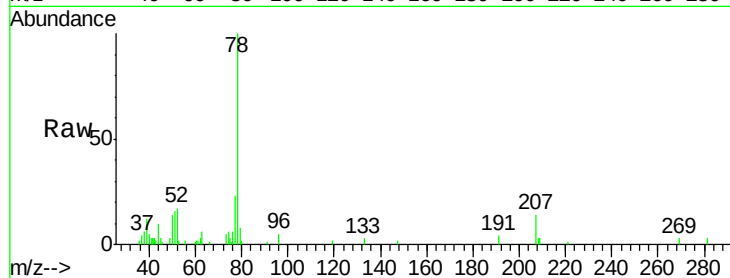
77 22.7 18.8 28.2

Manual Integrations

APPROVED

MMDadoda

4/30/2020 2:59:39 PM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.11

5000

4000

3000

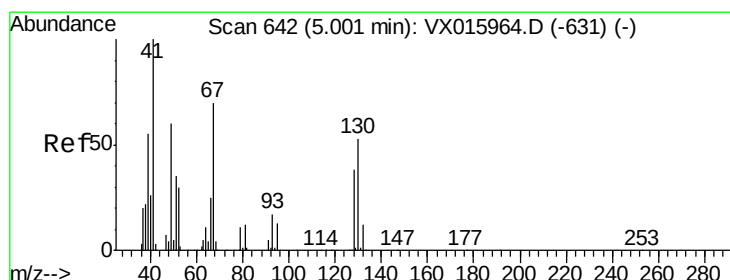
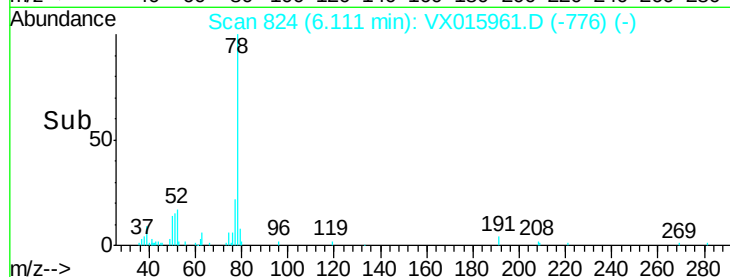
2000

1000

0

Time-->

6.00 6.05 6.10 6.15 6.20



#41

Methacrylonitrile

Concen: 1.046 ug/l

RT: 5.00 min Scan# 642

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Tgt Ion: 41 Resp: 2565

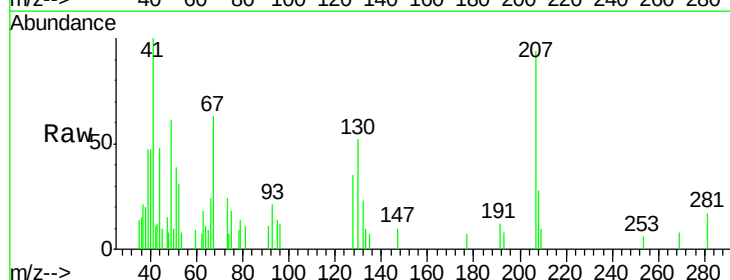
Ion Ratio Lower Upper

41 100

39 54.2 45.2 67.8

67 0.0 59.4 89.2#

52 39.6 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

2500

2000

1500

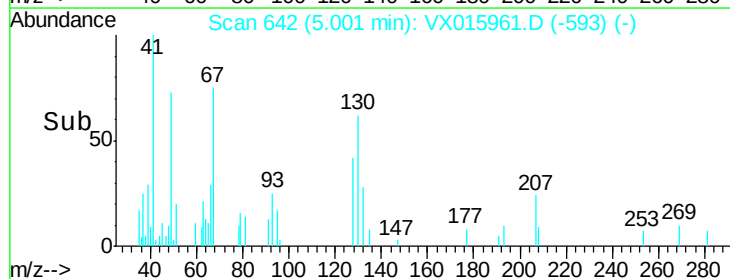
1000

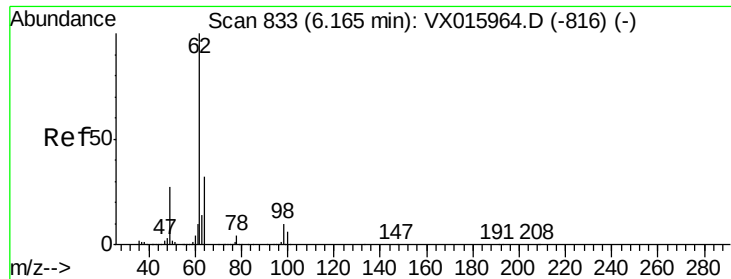
500

0

Time-->

4.90 4.95 5.00 5.05





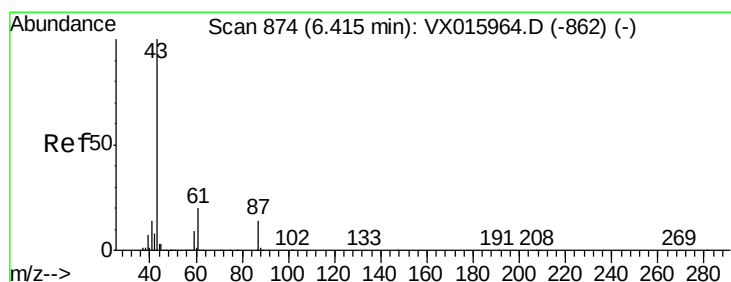
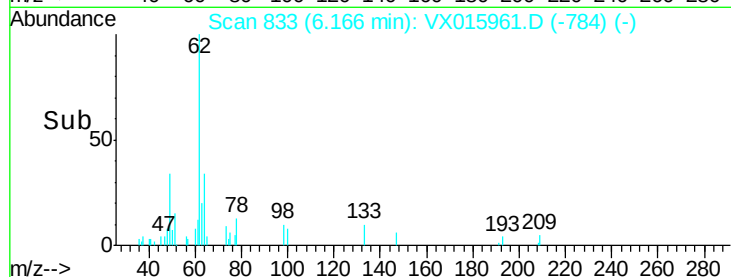
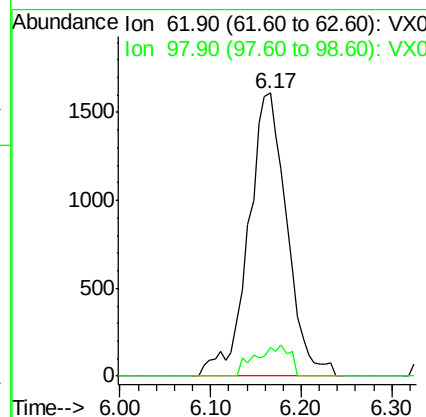
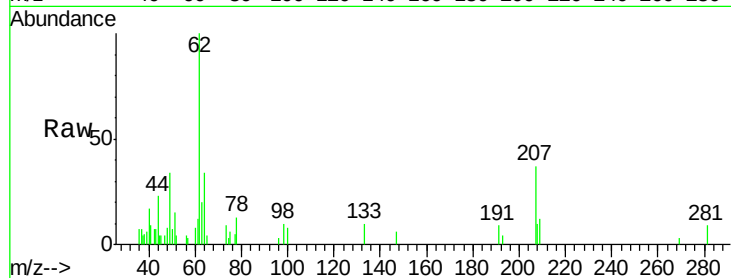
#42
1,2-Dichloroethane
Concen: 1.069 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4

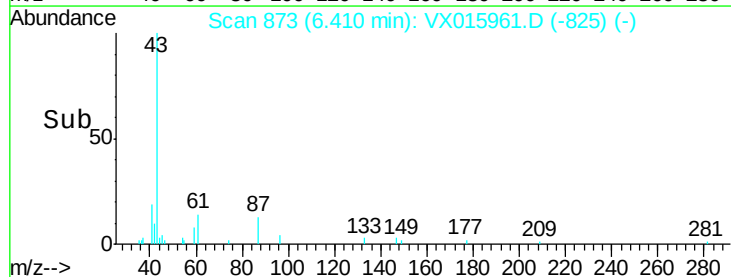
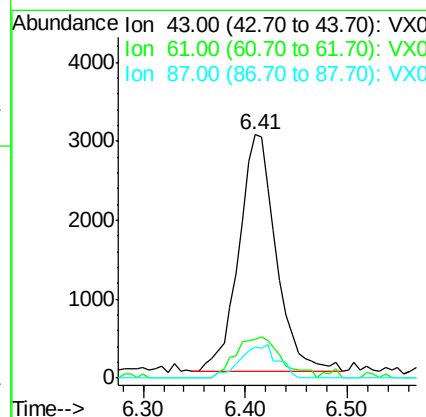
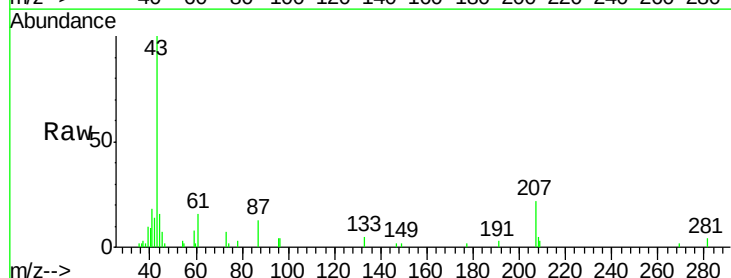
Manual Integrations
APPROVED

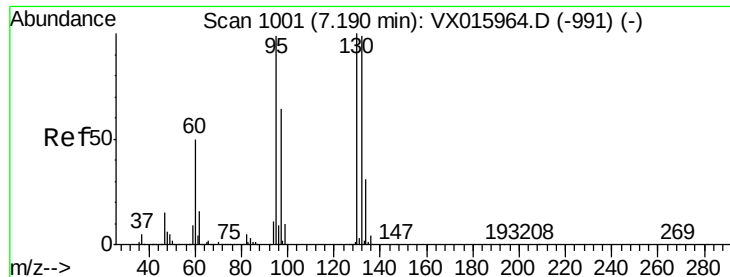
MMDadoda
4/30/2020 2:59:39 PM



#43
Isopropyl Acetate
Concen: 1.001 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.1	24.1
87	14.1	10.9	16.3





#44

Trichloroethene

Concen: 1.156 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 4753

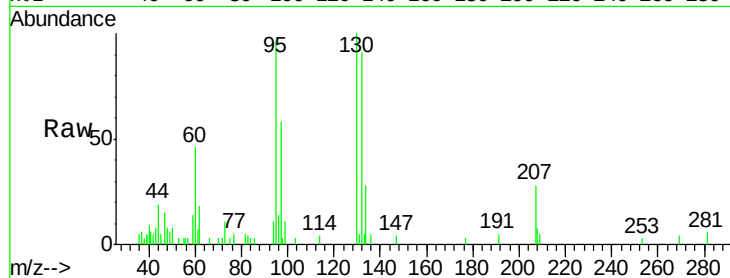
Ion Ratio Lower Upper

130 100

95 96.9 0.0 197.4

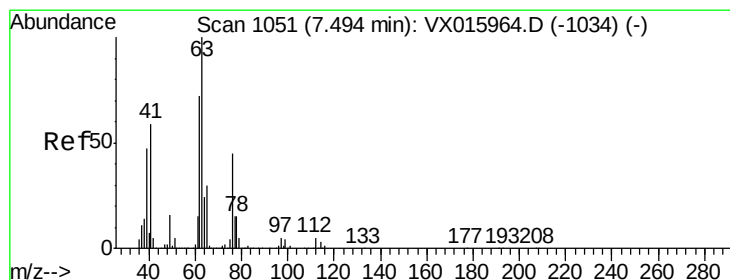
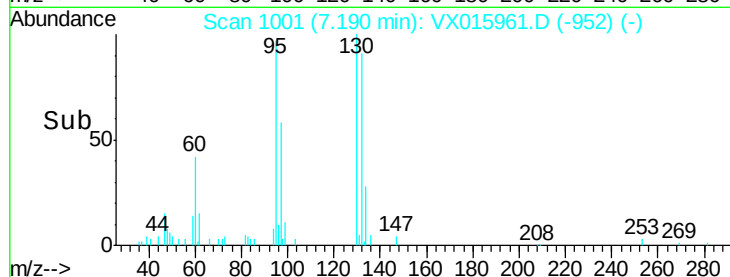
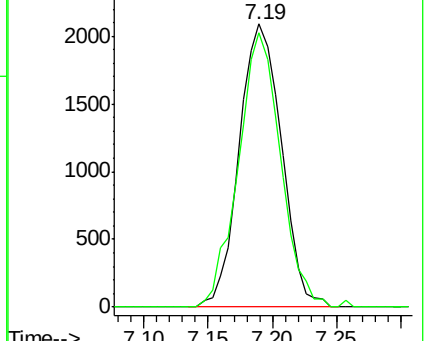
Manual Integrations
APPROVED

MMDadoda
4/30/2020 2:59:39 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 1.038 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX015961.D

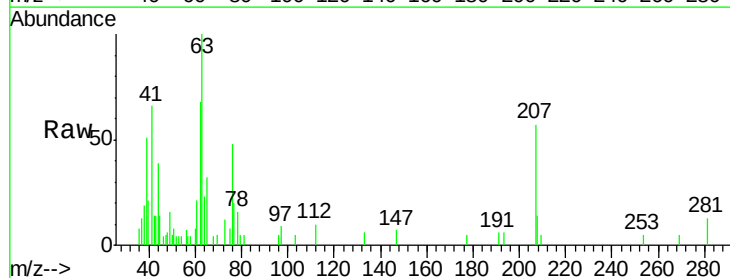
Acq: 28 Apr 2020 15:01

Tgt Ion: 63 Resp: 3059

Ion Ratio Lower Upper

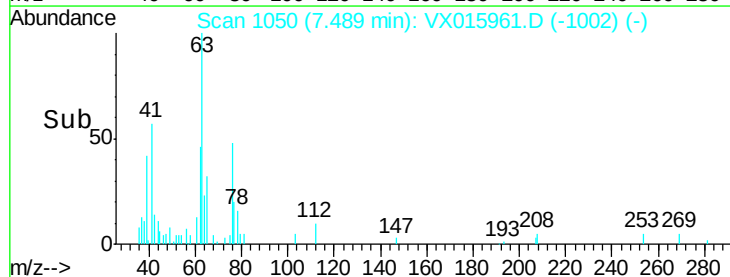
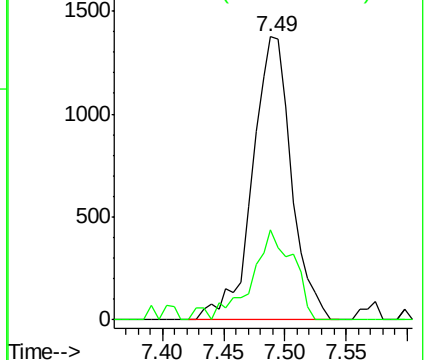
63 100

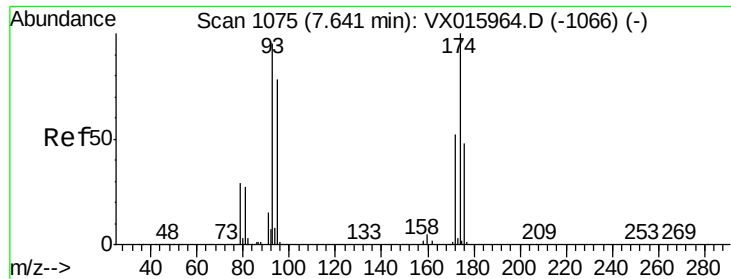
65 31.6 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





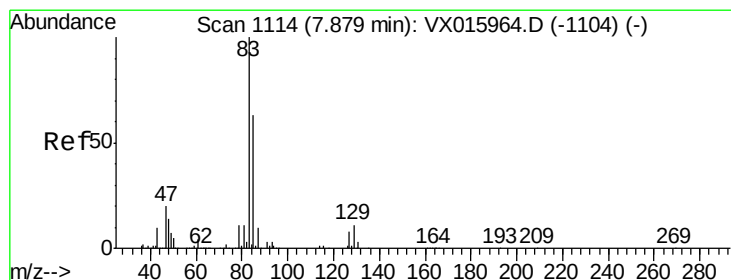
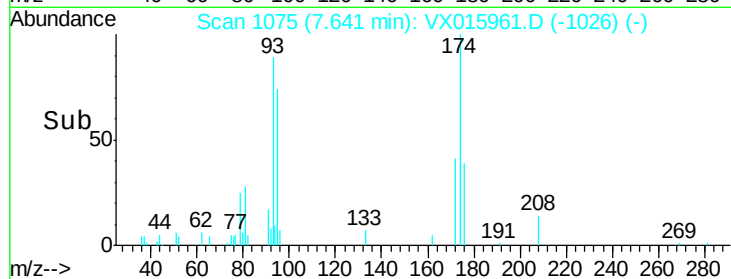
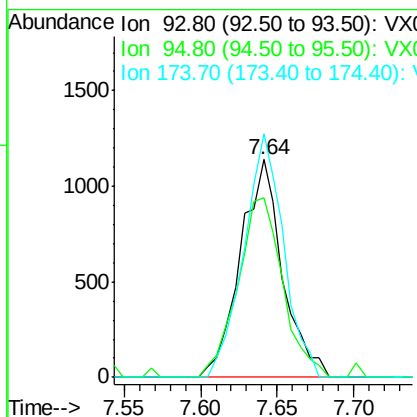
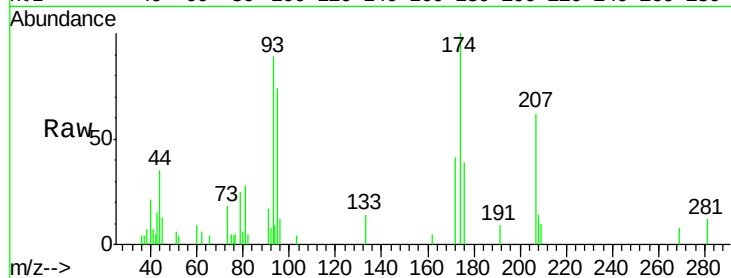
#46
Dibromomethane
Concen: 1.043 ug/l
RT: 7.64 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	88.0	65.5	98.3
174	105.4	82.7	124.1

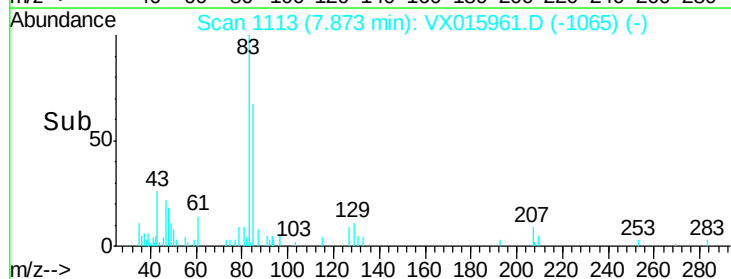
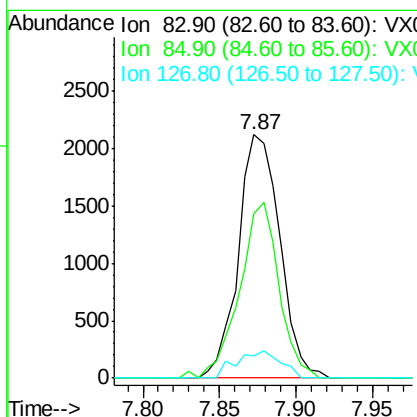
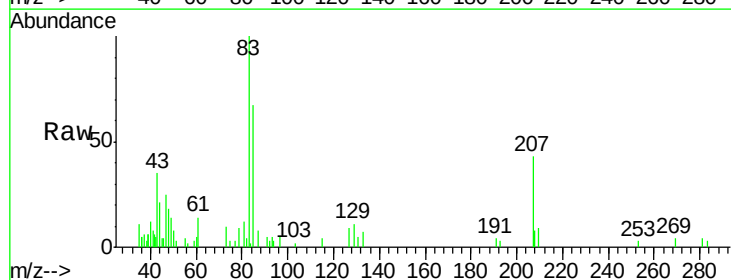
Manual Integrations
APPROVED

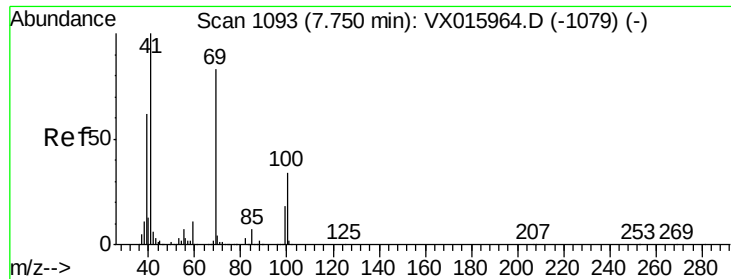
MMDadoda
4/30/2020 2:59:39 PM



#47
Bromodichloromethane
Concen: 0.960 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	50.6	75.8
127	9.3	6.7	10.1





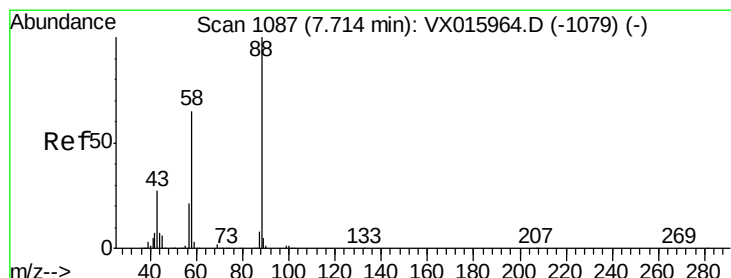
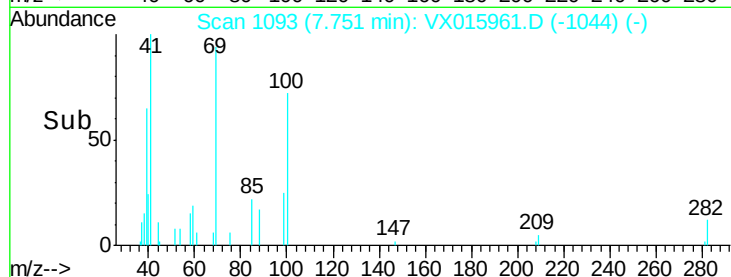
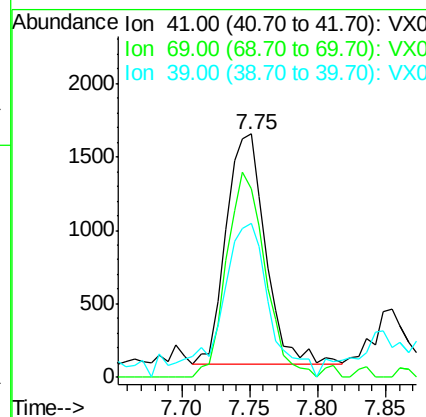
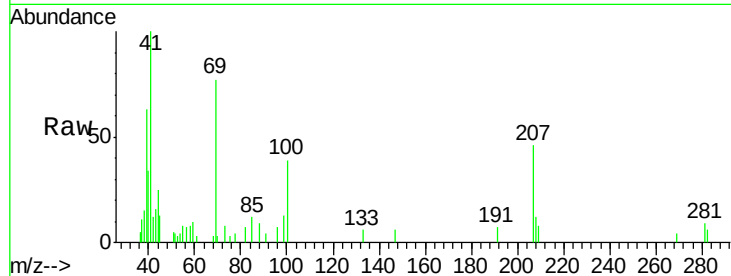
#48
Methvl methacrylate
Concen: 0.897 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	87.6	66.0	99.0
39	82.8	49.0	73.4#

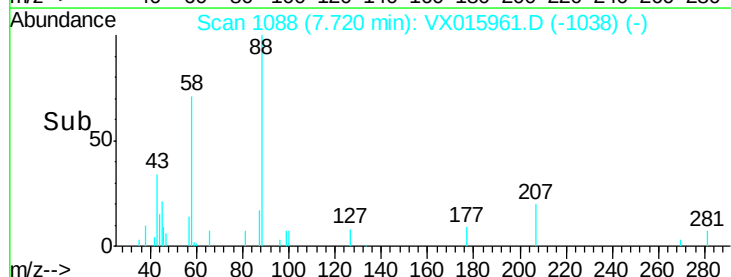
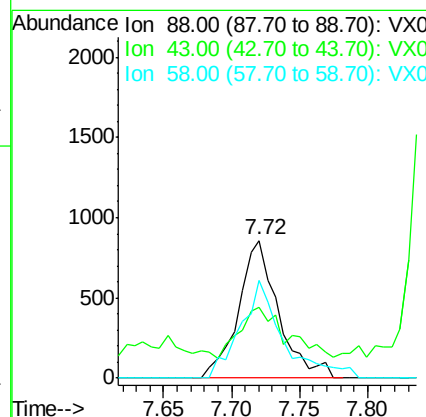
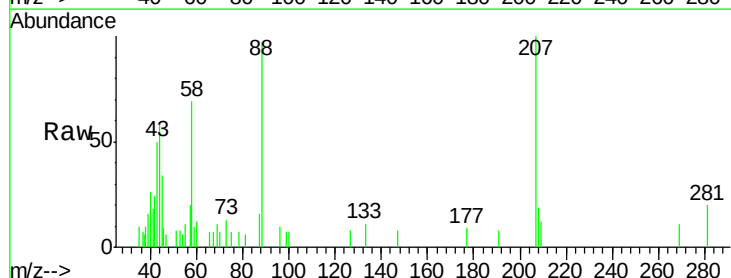
Manual Integrations
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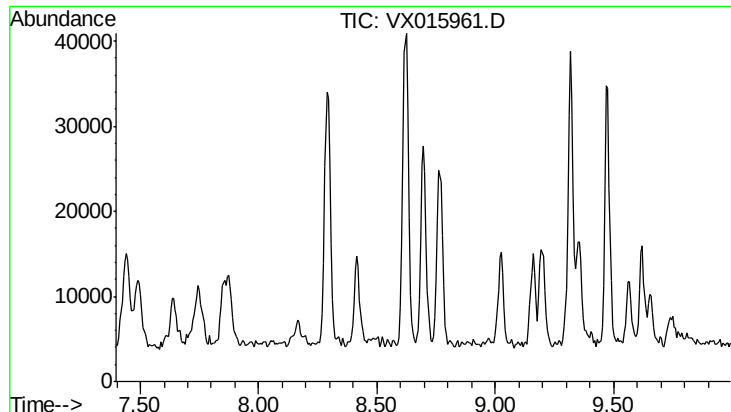
MMDadoda
4/30/2020 2:59:39 PM



#49
1,4-Dioxane
Concen: 21.253 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	44.1	26.6	39.8#
58	75.6	54.8	82.2





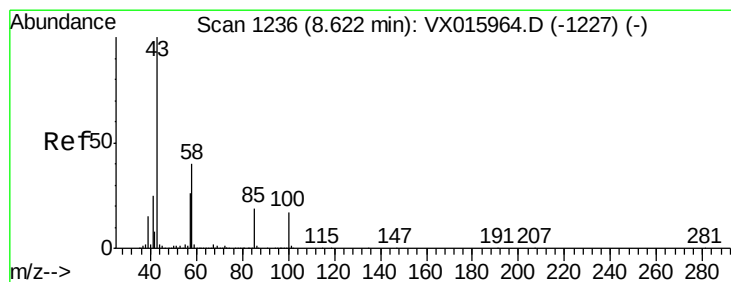
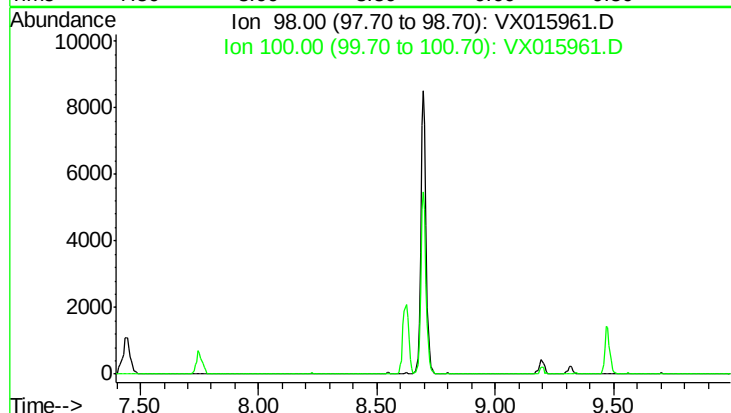
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.70 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tot Ion: 98
Sig Exp Ratio
98 100
100 66.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

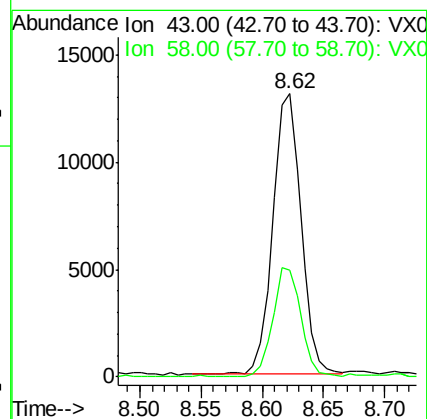
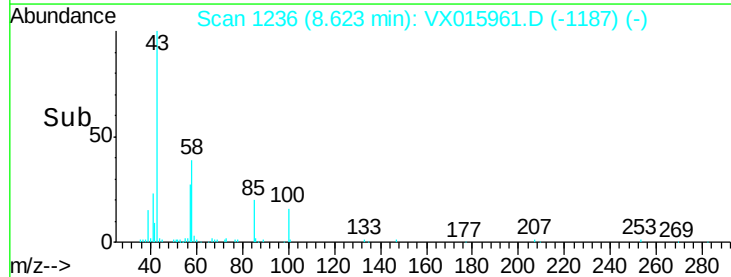
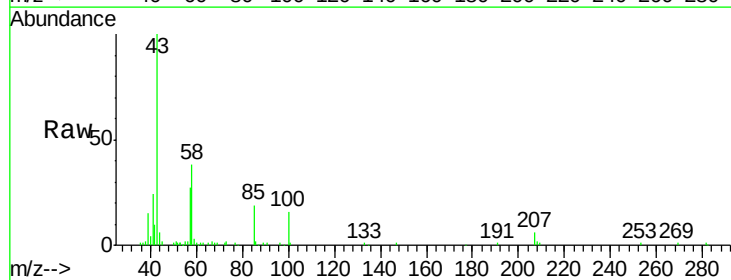
Manual Integrations
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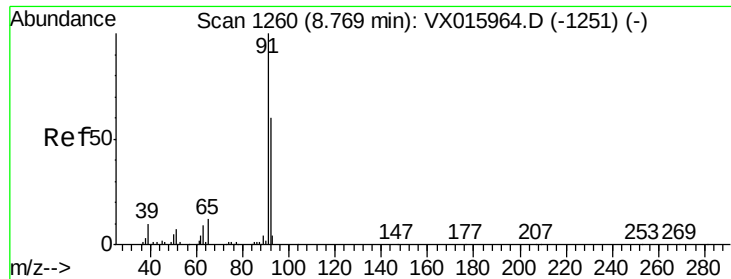
MMDadoda
4/30/2020 2:59:39 PM



#51
4-Methyl-2-Pentanone
Concen: 4.541 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tgt Ion: 43 Resp: 20904
Ion Ratio Lower Upper
43 100
58 38.6 32.0 48.0





#52

Toluene

Concen: 1.005 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 7279

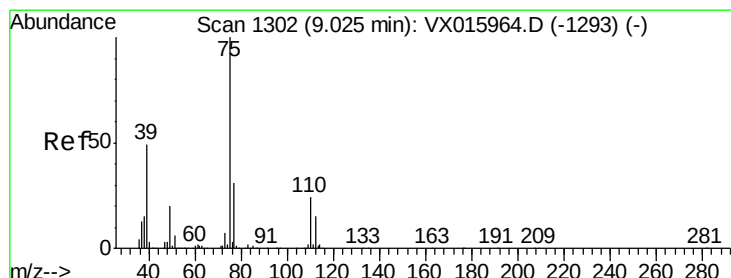
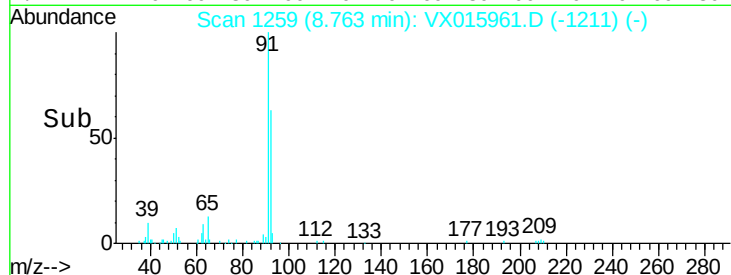
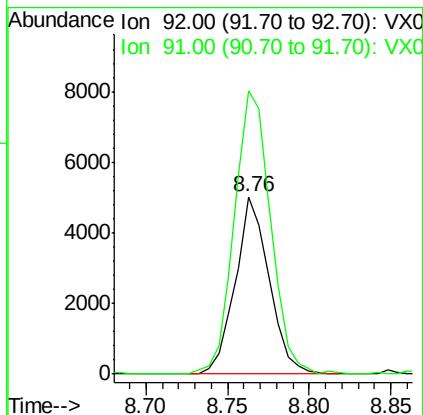
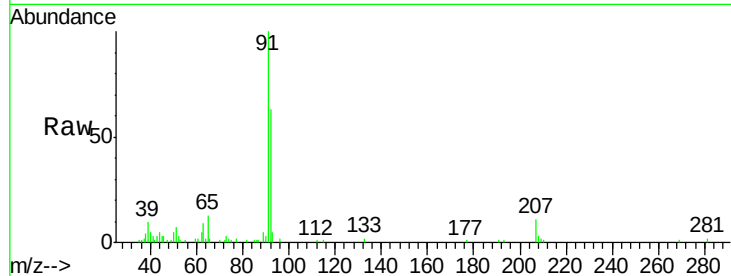
Ion Ratio Lower Upper

92 100

91 170.5 134.6 202.0

Manual Integrations
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#53

t-1,3-Dichloropropene

Concen: 1.040 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015961.D

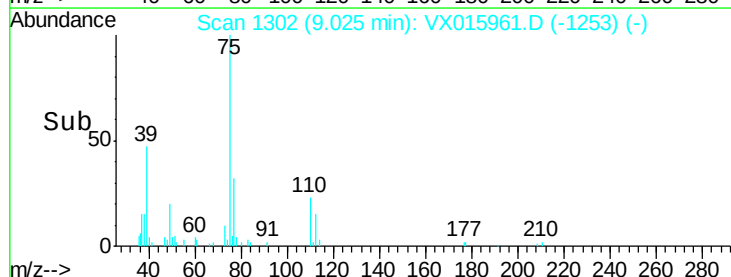
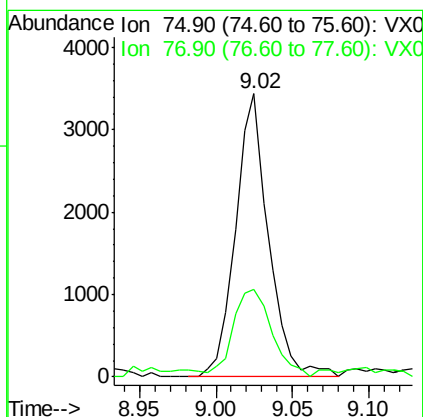
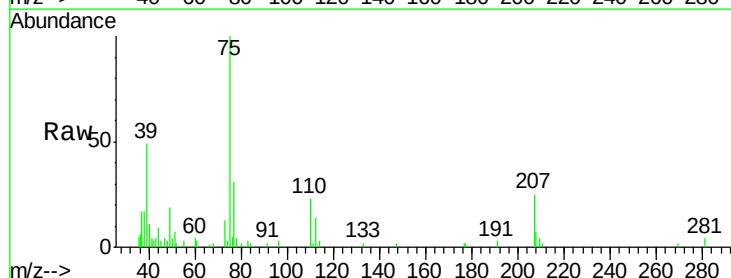
Acq: 28 Apr 2020 15:01

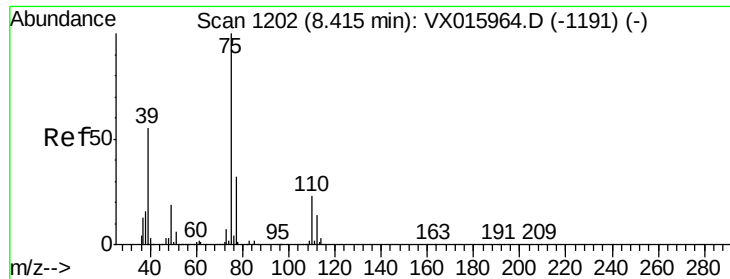
Tgt Ion: 75 Resp: 5135

Ion Ratio Lower Upper

75 100

77 29.3 24.9 37.3





#54

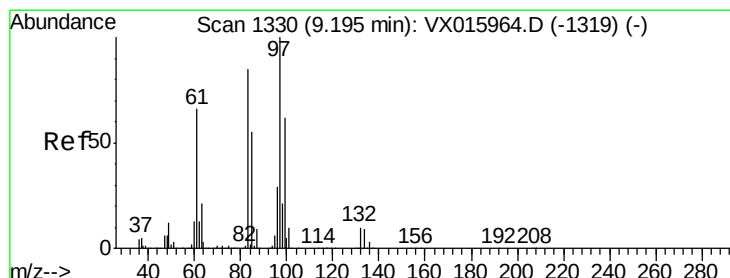
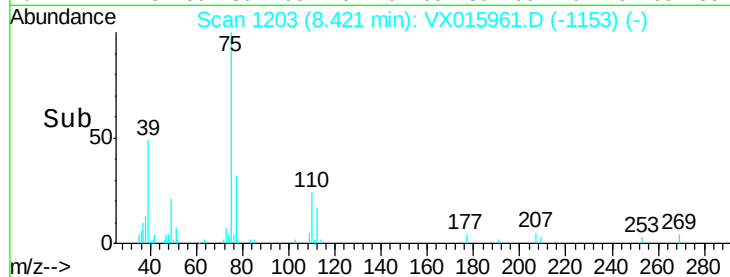
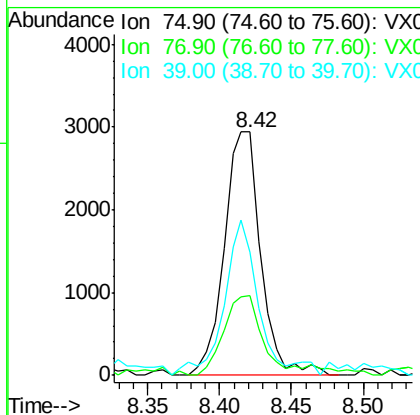
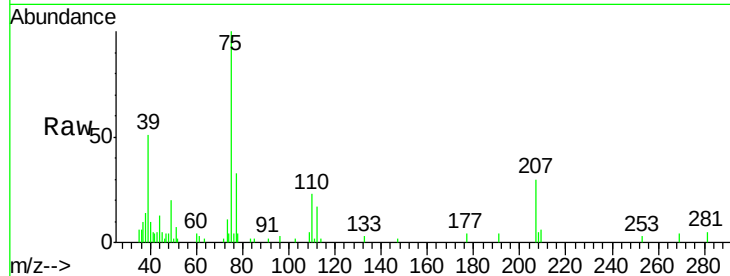
cis-1,3-Dichloropropene
Concen: 1.030 ug/l
RT: 8.42 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	75	Resp:	5231
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.0
39	47.9	44.1	66.1

Manual Integrations
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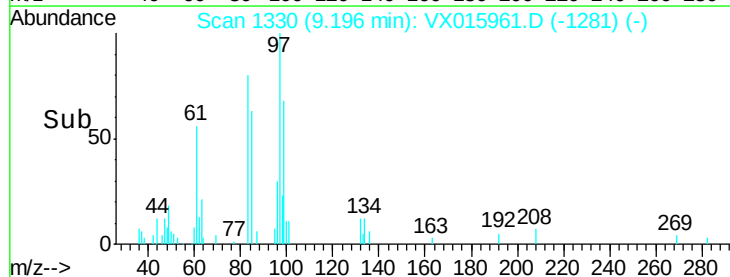
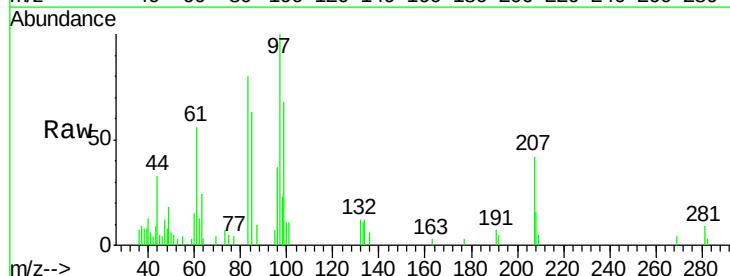
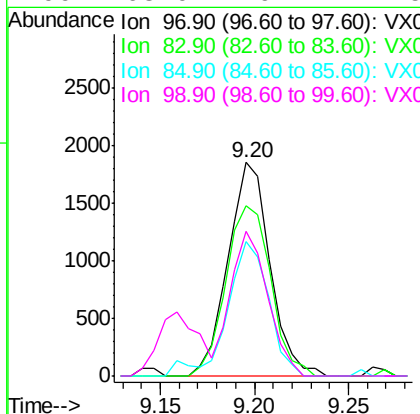
MMDadoda
4/30/2020 2:59:39 PM

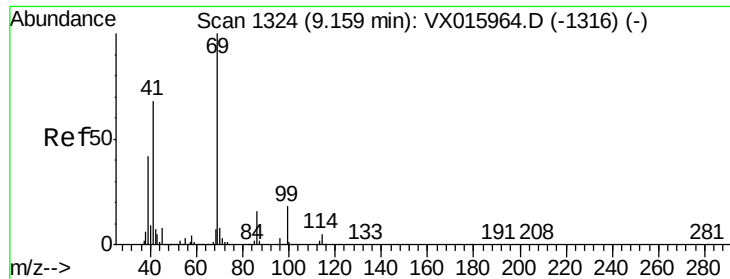


#55

1,1,2-Trichloroethane
Concen: 0.990 ug/l
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tgt Ion:	97	Resp:	2865
Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.2	102.2
85	62.8	43.7	65.5
99	68.0	49.7	74.5





#56

Ethyl methacrylate

Concen: 0.903 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

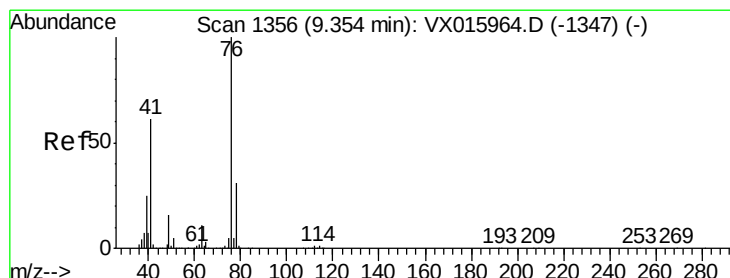
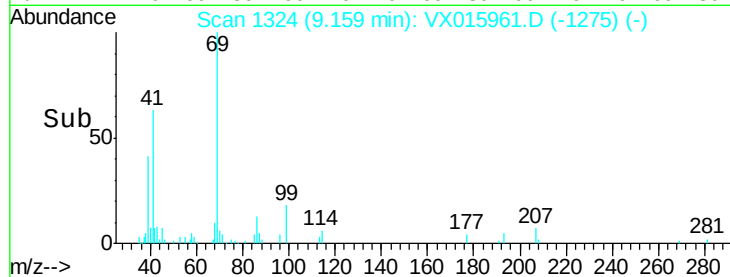
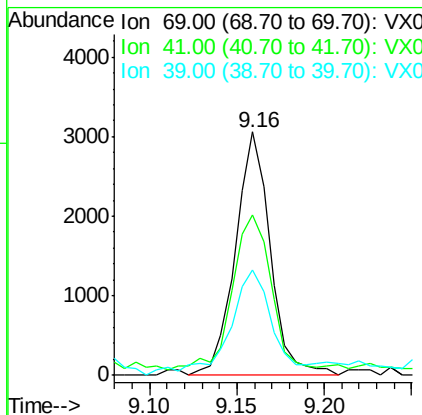
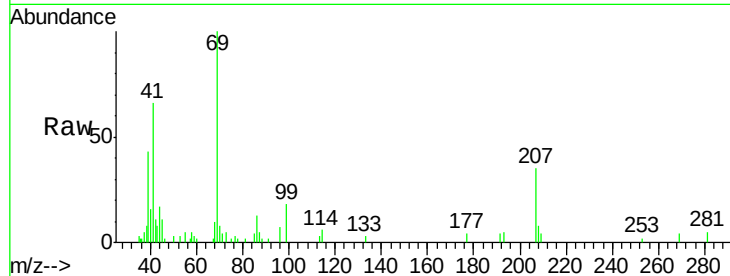
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4248
Ion	Ratio	Lower	Upper
69	100		
41	70.1	53.5	80.3
39	53.1	33.4	50.0#

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.994 ug/l

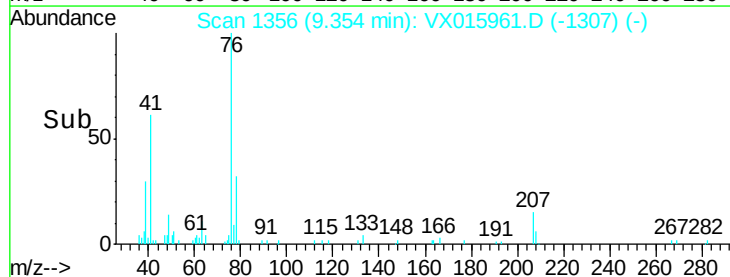
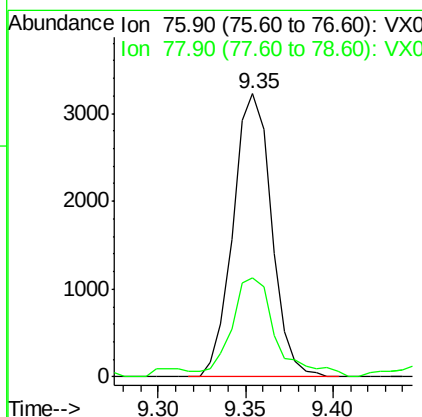
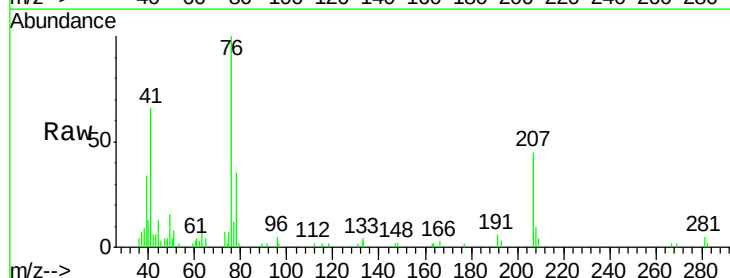
RT: 9.35 min Scan# 1356

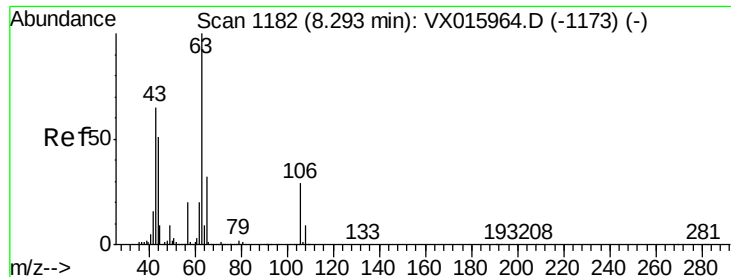
Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Tgt Ion:	76	Resp:	4942
Ion	Ratio	Lower	Upper
76	100		
78	40.5	25.5	38.3#





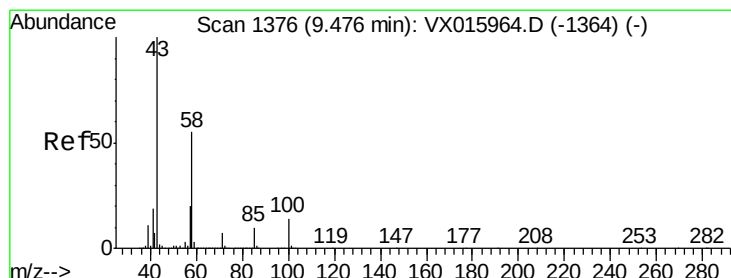
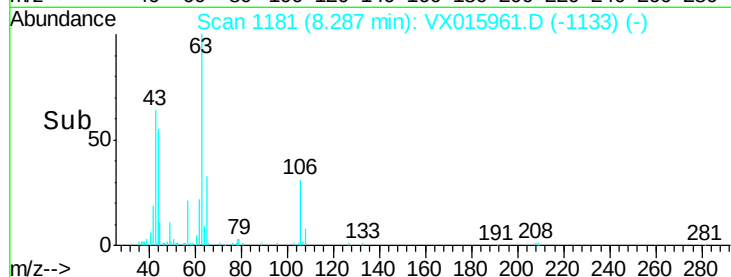
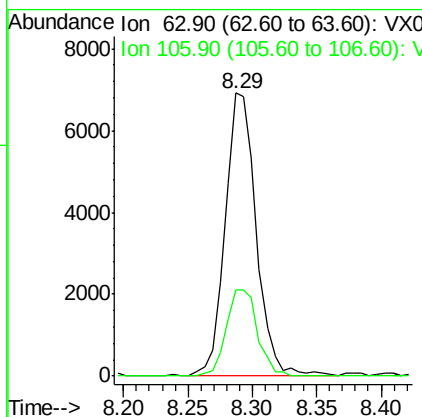
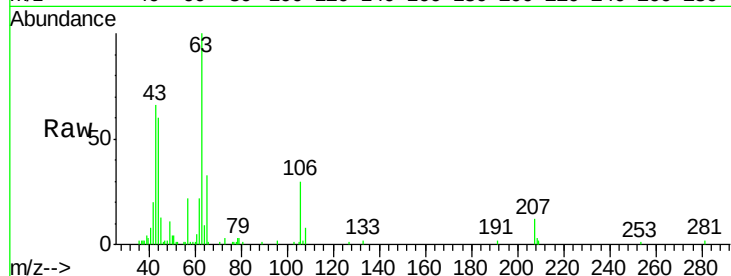
#58
2-Chloroethyl Vinyl ether
Concen: 4.832 ug/l
RT: 8.29 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 11747
Ion Ratio Lower Upper
63 100
106 30.6 23.6 35.4

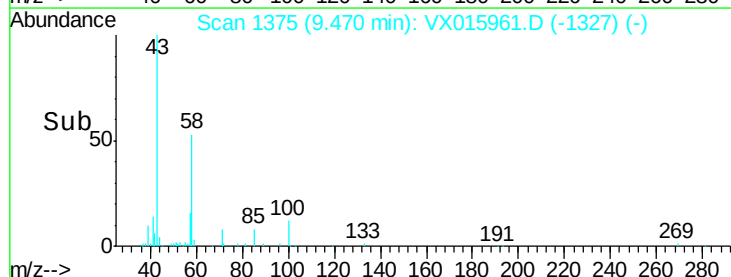
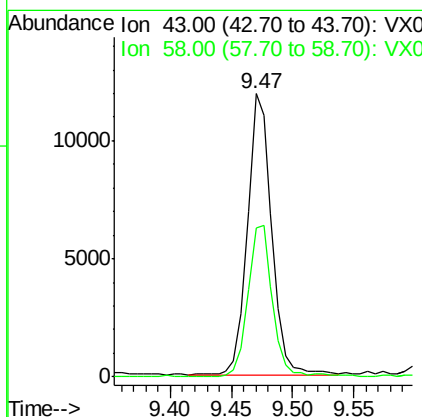
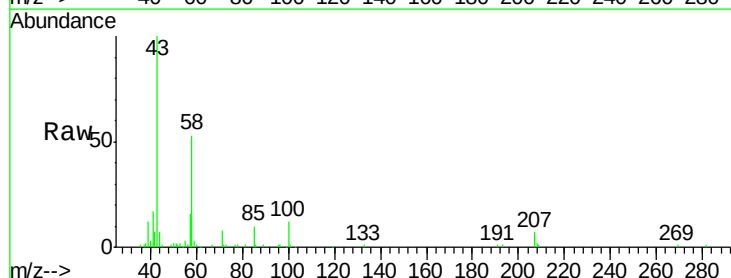
Manual Integrations
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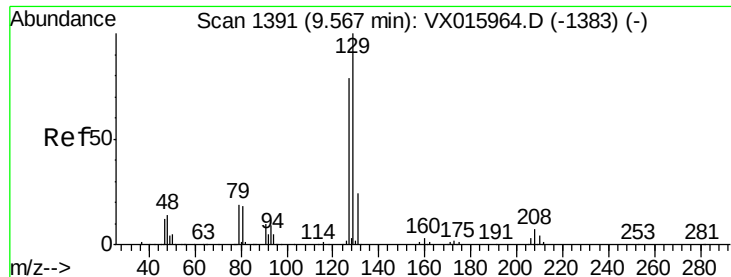
MMDadoda
4/30/2020 2:59:39 PM



#59
2-Hexanone
Concen: 4.530 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tgt Ion: 43 Resp: 16298
Ion Ratio Lower Upper
43 100
58 55.2 27.7 83.1





#60

Dibromochloromethane

Concen: 0.900 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 2915

Ion Ratio Lower Upper

129 100

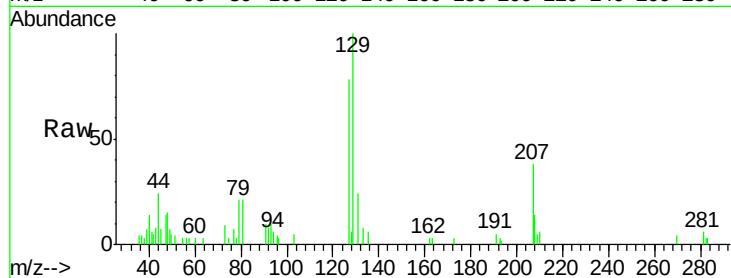
127 82.5 39.4 118.1

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

2000

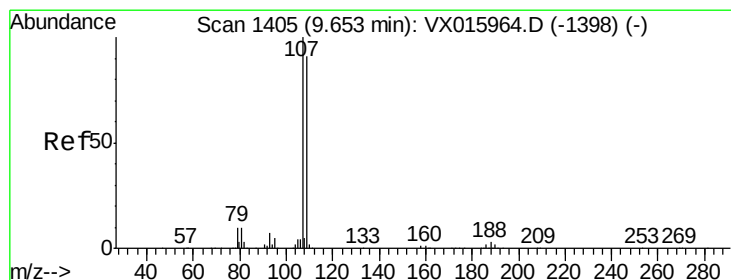
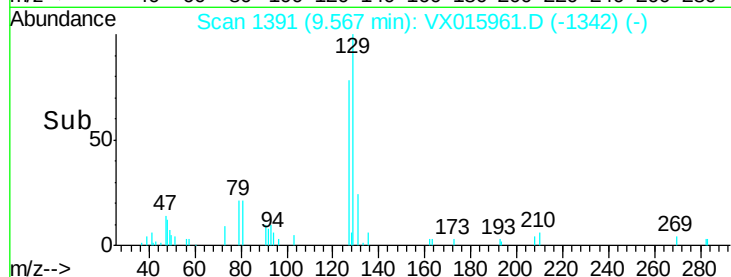
1500

1000

500

0

Time-->



#61

1,2-Dibromoethane

Concen: 0.971 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX015961.D

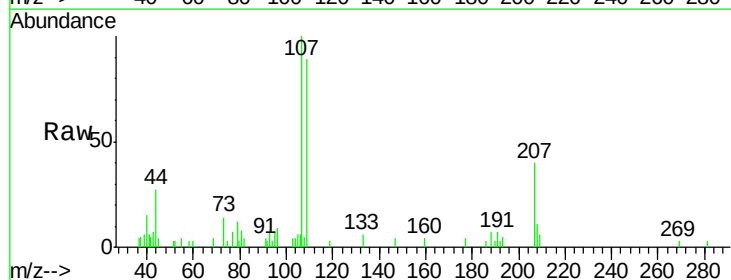
Acq: 28 Apr 2020 15:01

Tgt Ion:107 Resp: 3045

Ion Ratio Lower Upper

107 100

109 94.7 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

2000

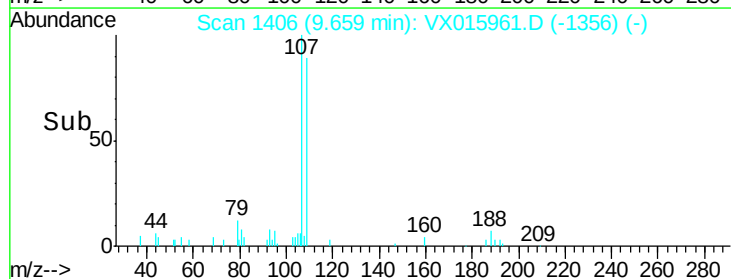
1500

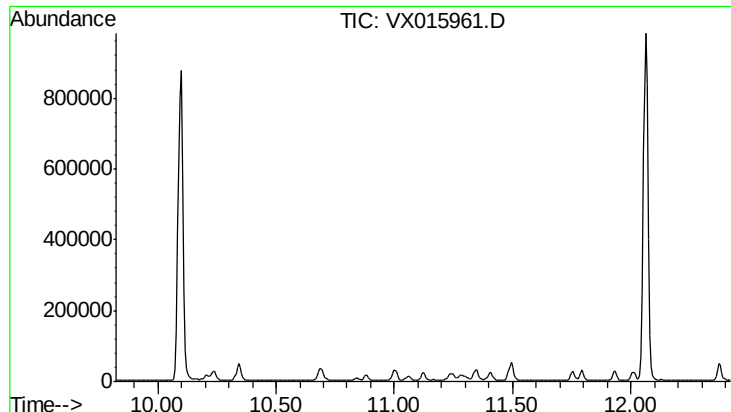
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.12 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Tot Ion: 95

Sig Exp Ratio

95 100

174 82.5

176 81.6

Instrument :

MSVOA_X

ClientSampleId :

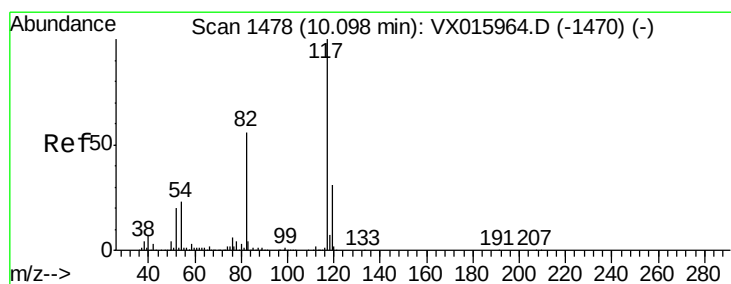
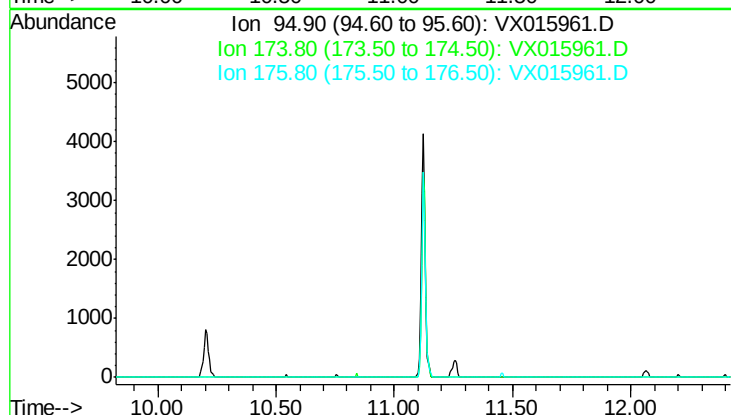
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

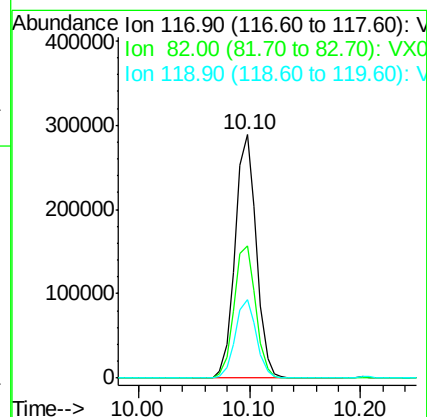
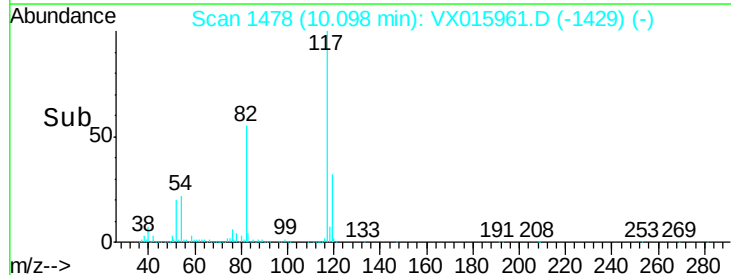
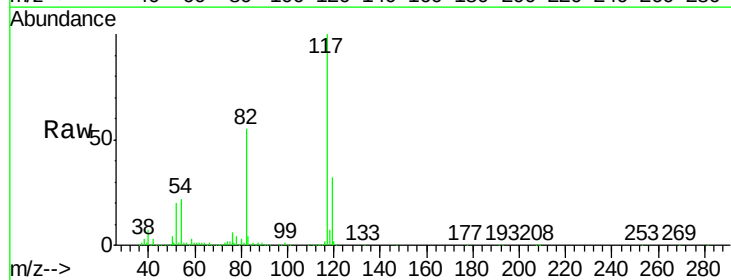
Tgt Ion: 117 Resp: 379726

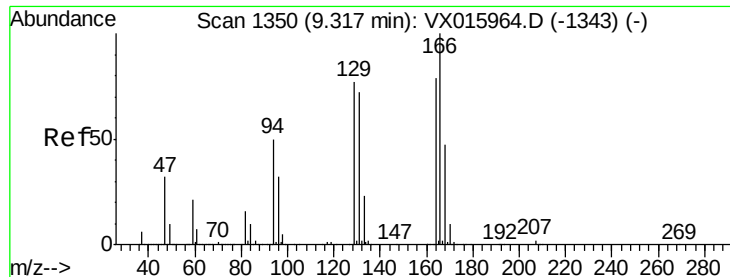
Ion Ratio Lower Upper

117 100

82 54.5 44.5 66.7

119 32.4 25.0 37.6





#64

Tetrachloroethene

Concen: 1.086 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 4891

Ion Ratio Lower Upper

164 100

166 120.4 101.0 151.4

129 89.4 77.4 116.0

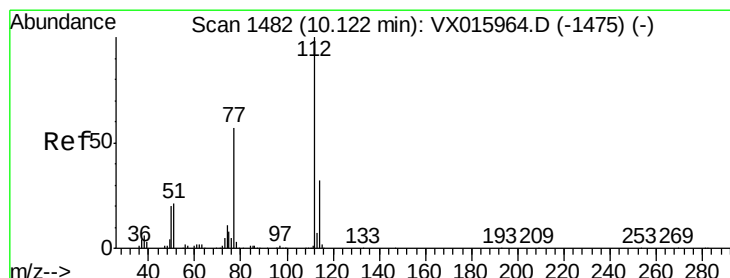
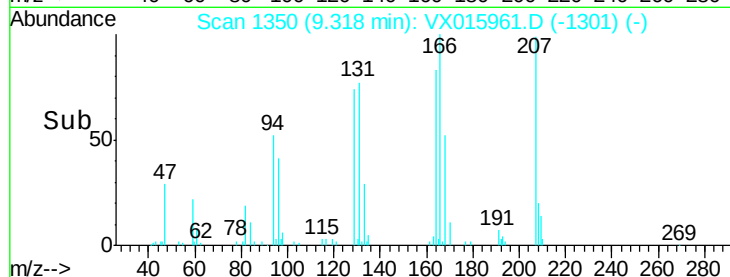
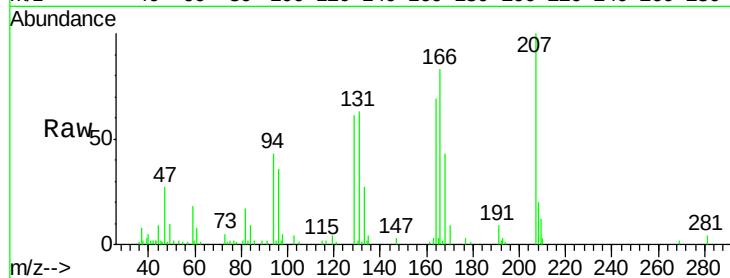
131 92.2 72.2 108.2

Manual Integrations

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#65

Chlorobenzene

Concen: 1.047 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015961.D

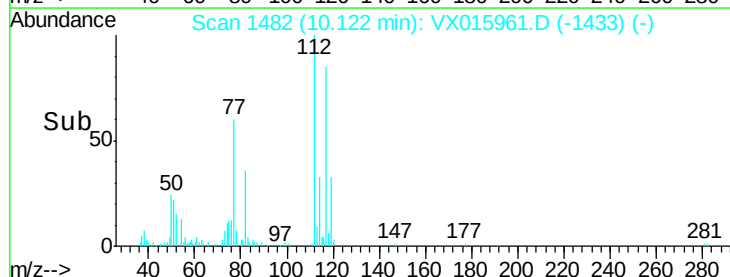
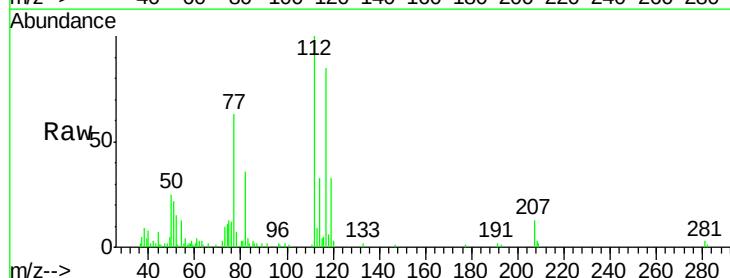
Acq: 28 Apr 2020 15:01

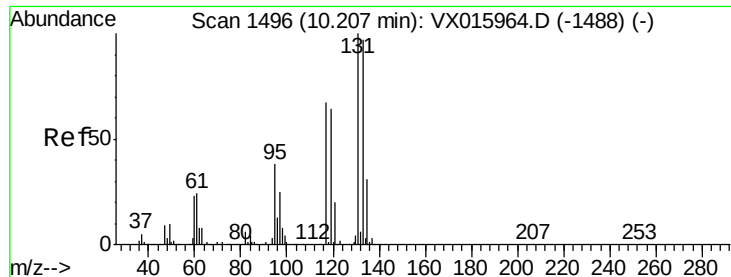
Tgt Ion:112 Resp: 8101

Ion Ratio Lower Upper

112 100

114 32.6 25.4 38.0





#66

1,1,1,2-Tetrachloroethane

Concen: 0.956 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

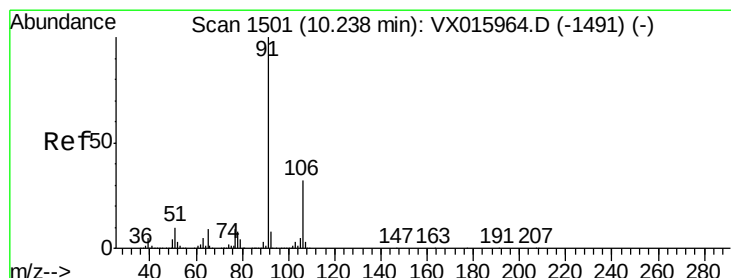
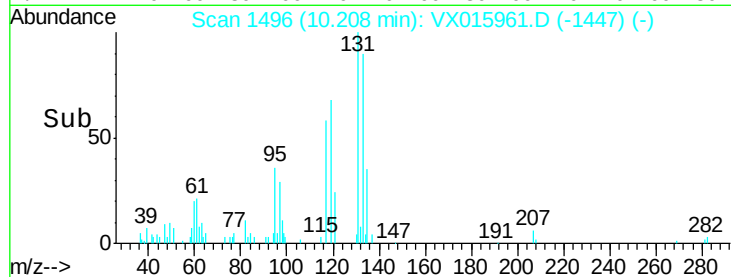
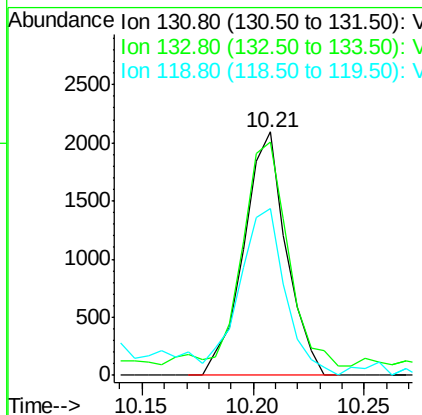
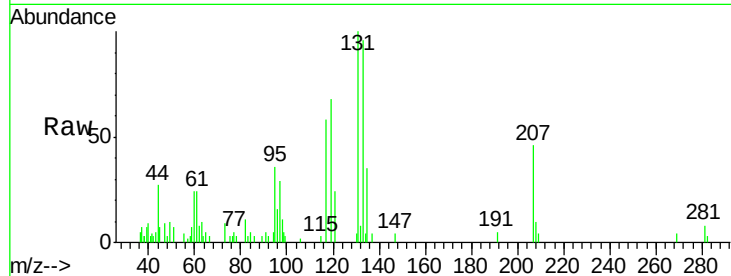
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	100.4	48.3	144.8
119	0.0	31.6	94.8#

Manual Integrations
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4/30/2020 2:59:39 PM



#67

Ethyl Benzene

Concen: 1.031 ug/l

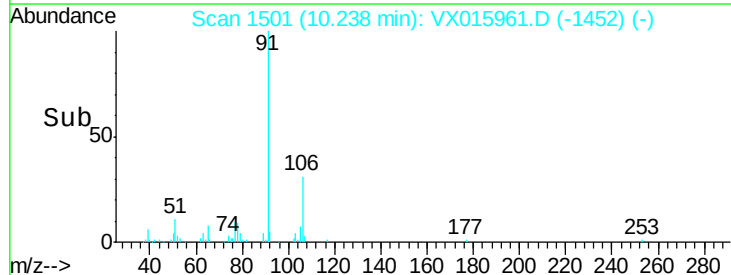
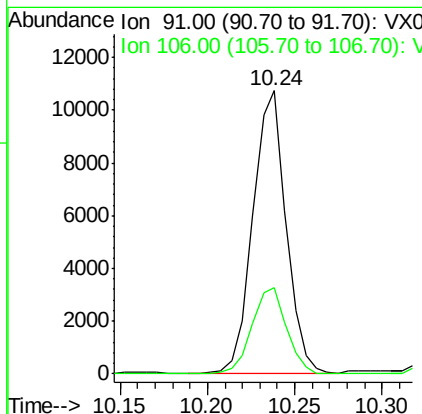
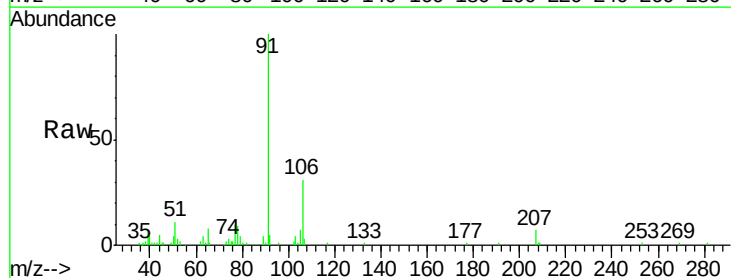
RT: 10.24 min Scan# 1501

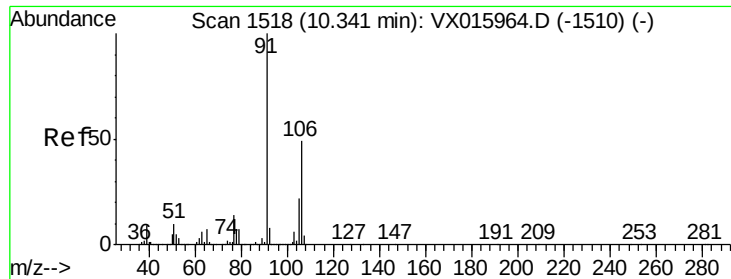
Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.3	37.9





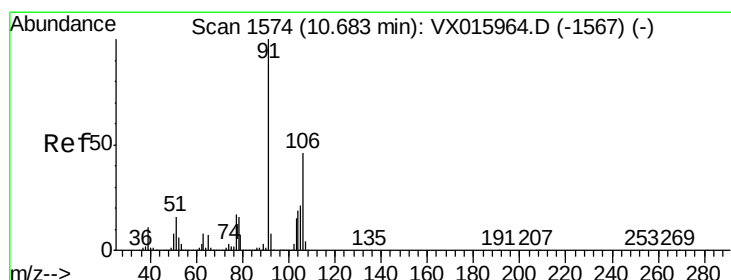
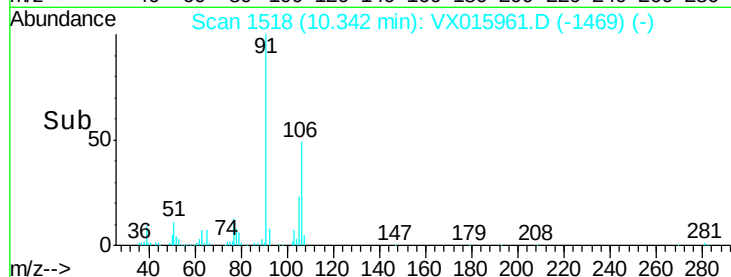
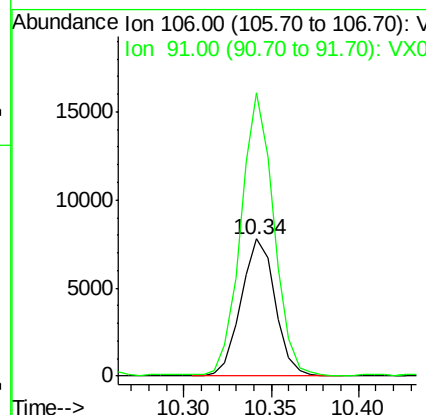
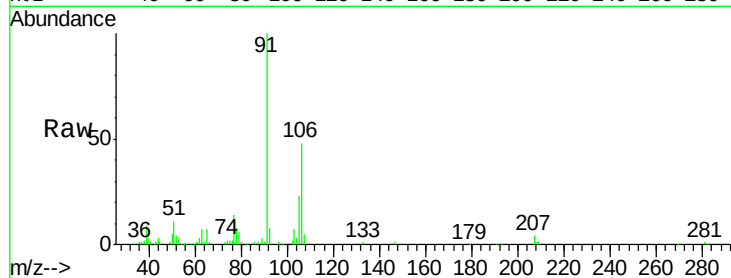
#68
m/p-Xylenes
Concen: 2.018 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 10549
Ion Ratio Lower Upper
106 100
91 197.8 161.6 242.4

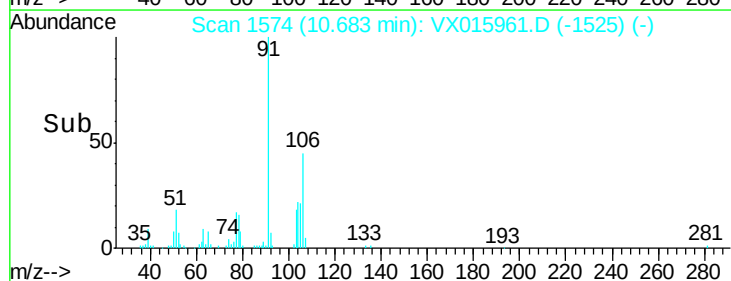
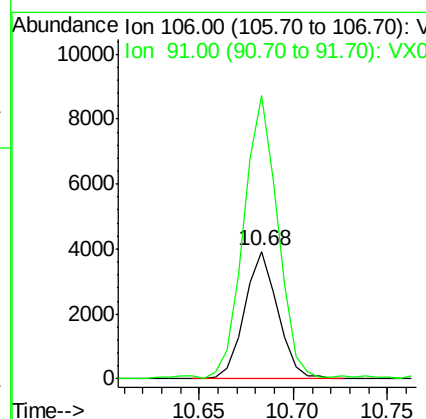
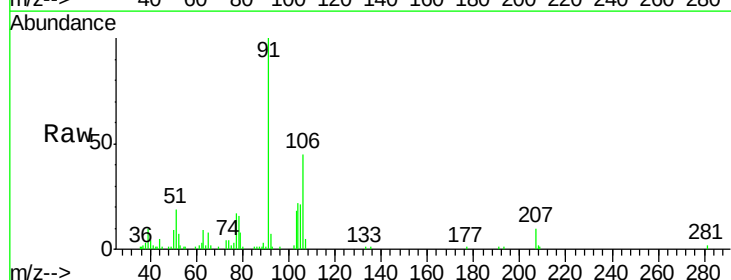
Manual Integrations
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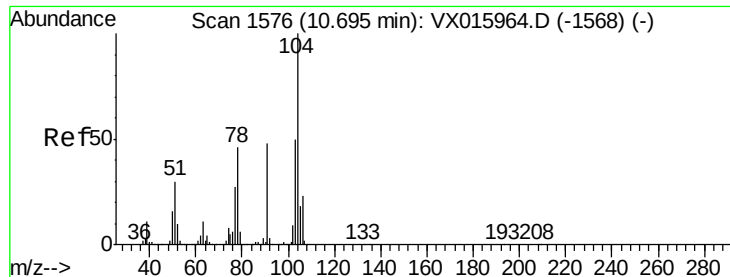
MMDadoda
4/30/2020 2:59:39 PM



#69
o-Xylene
Concen: 0.961 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tgt Ion:106 Resp: 4770
Ion Ratio Lower Upper
106 100
91 231.5 106.1 318.3





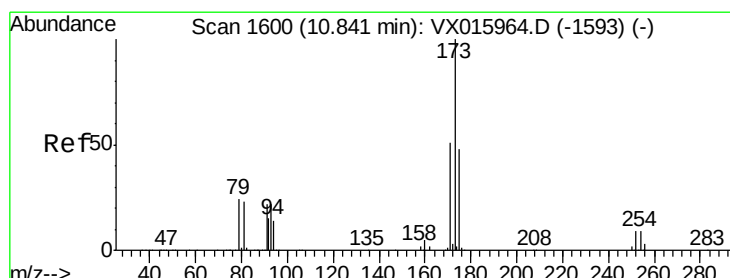
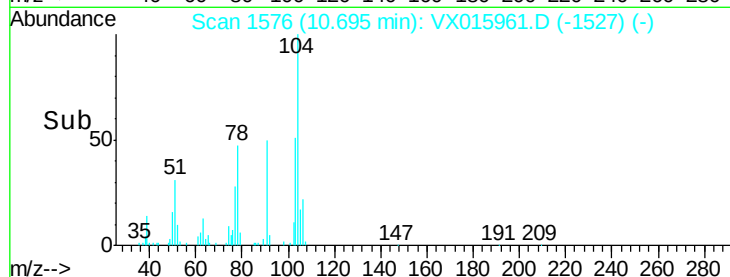
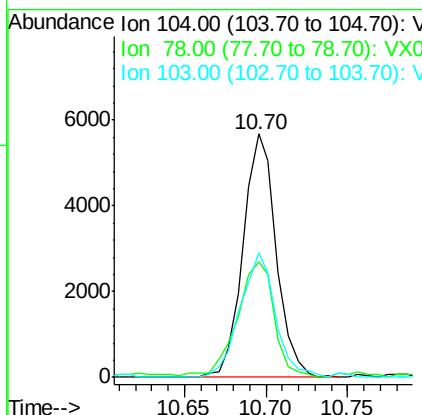
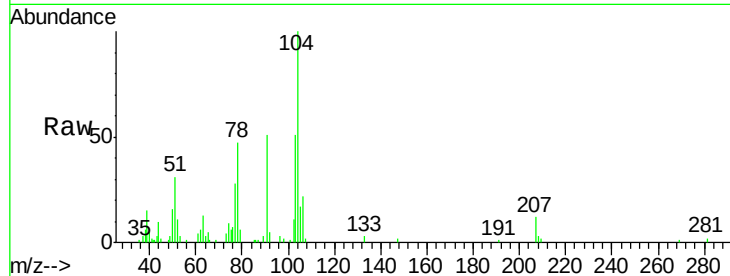
#70
Stvrene
Concen: 0.943 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.3	41.0	61.4
103	54.5	43.4	65.2

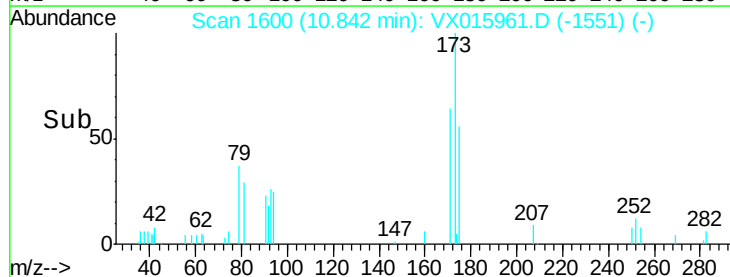
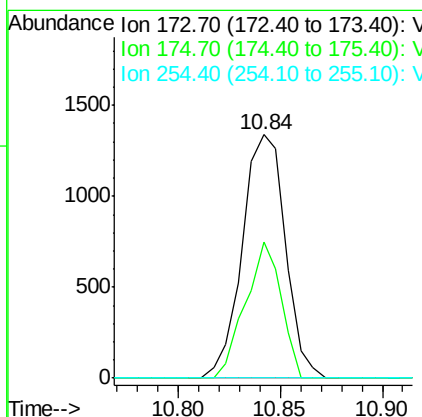
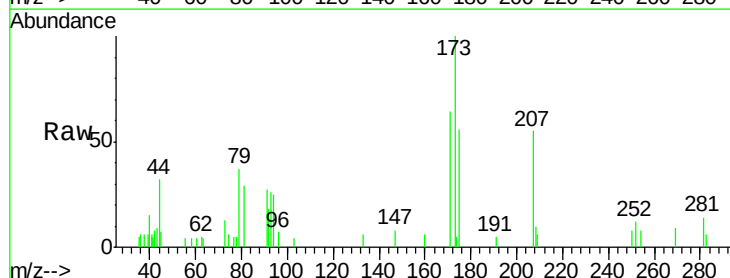
Manual Integrations
APPROVED

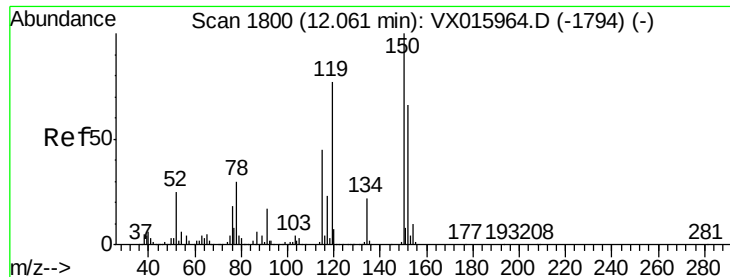
MMDadoda
4/30/2020 2:59:39 PM



#71
Bromoform
Concen: 0.830 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.0	24.1	72.4
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

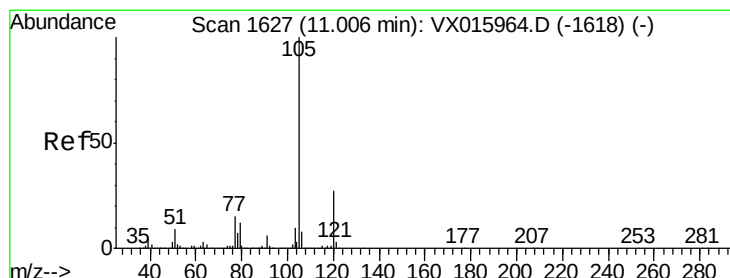
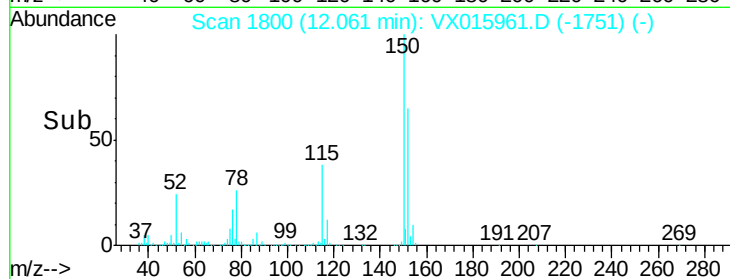
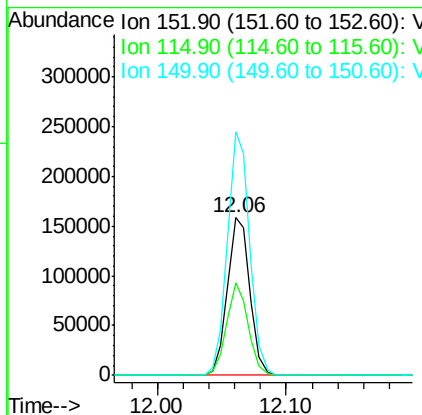
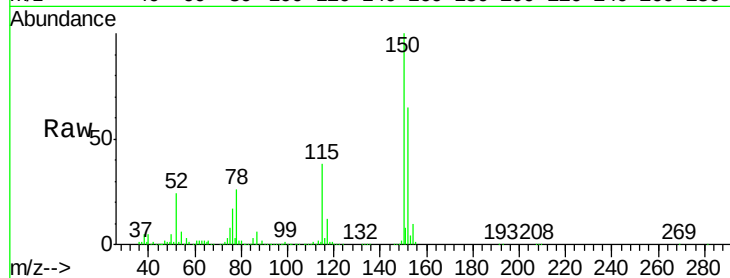
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
152	100	194711		
115	56.4	40.9	122.7	
150	152.7	0.0	342.4	

Manual Integrations
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#73

Isopropylbenzene

Concen: 1.024 ug/l

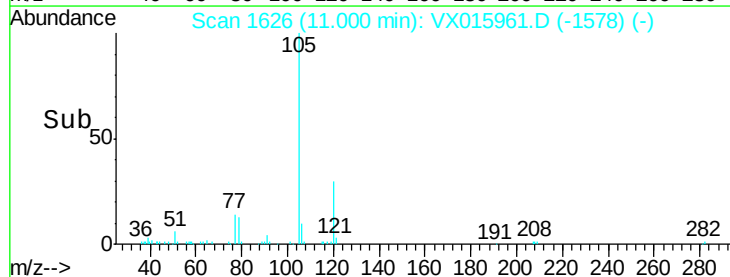
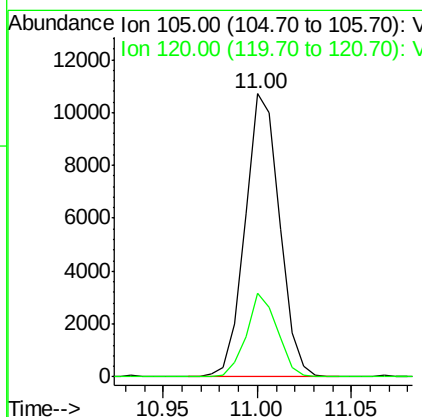
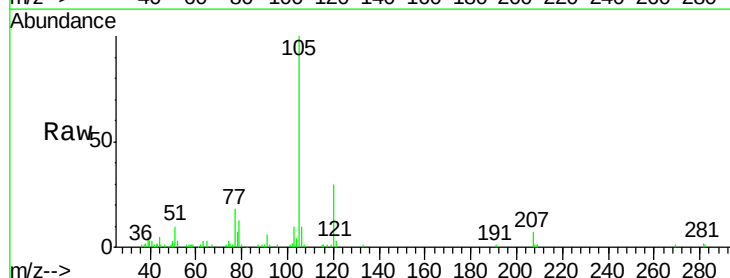
RT: 11.00 min Scan# 1626

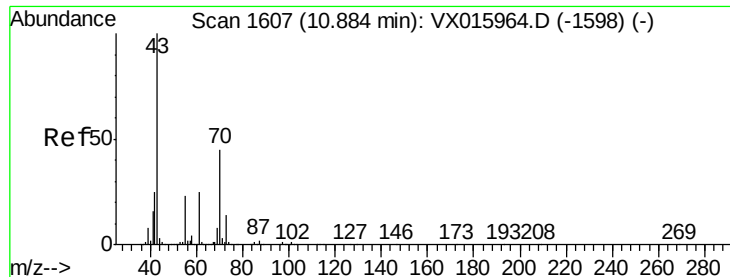
Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	13567		
120	26.5	13.3	39.8	





#74

N-amvl acetate

Concen: 0.971 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

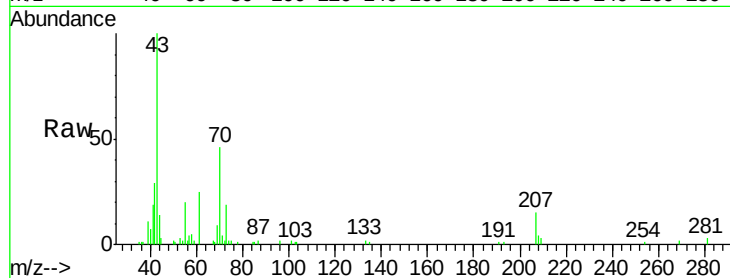
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	6206
Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.5	51.7
55	24.5	18.6	28.0
61	24.8	19.8	29.6

Manual Integrations
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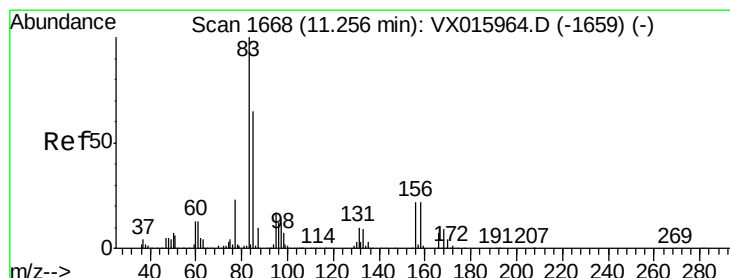
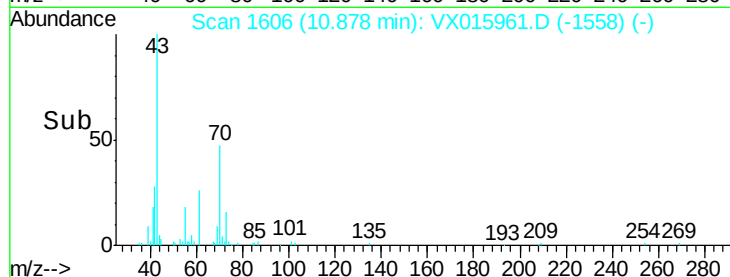
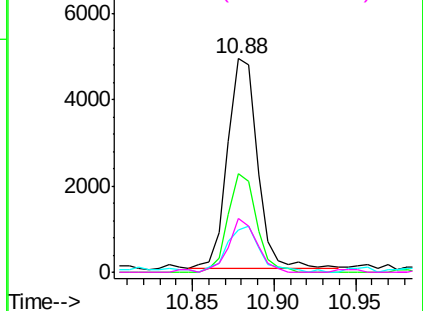


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.719 ug/l

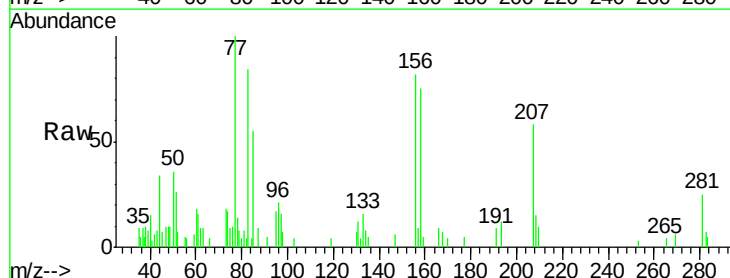
RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

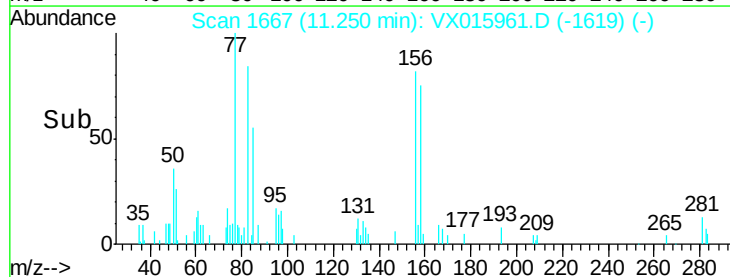
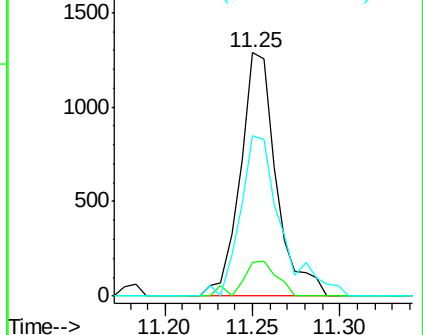
Tgt Ion:	83	Resp:	1846
Ion	Ratio	Lower	Upper
83	100		
131	13.4	5.1	15.4
85	74.2	32.2	96.6

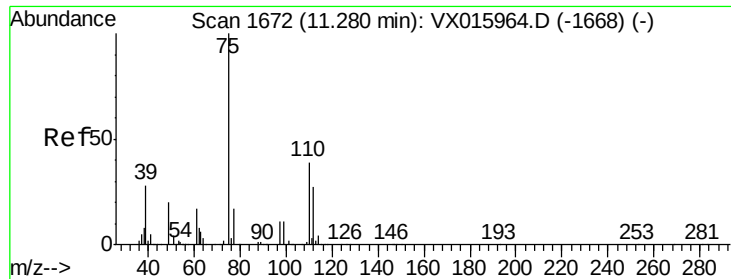


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 0.826 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 4212

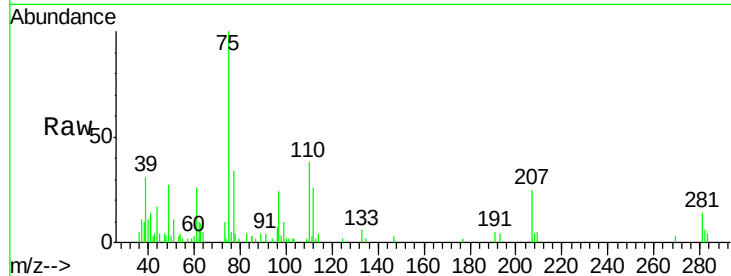
Ion Ratio Lower Upper

75 100

77 41.7 21.6 65.0

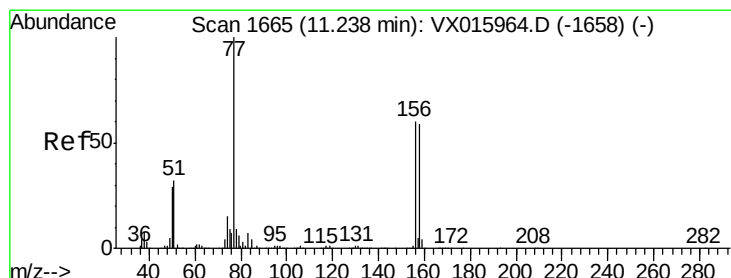
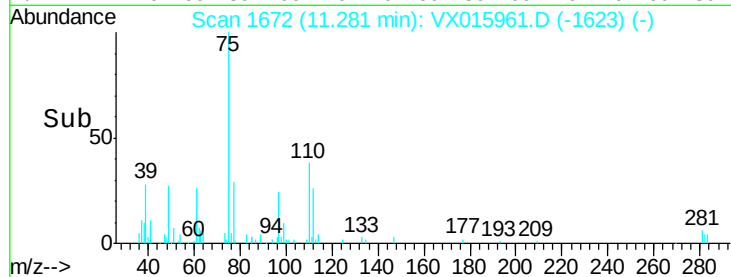
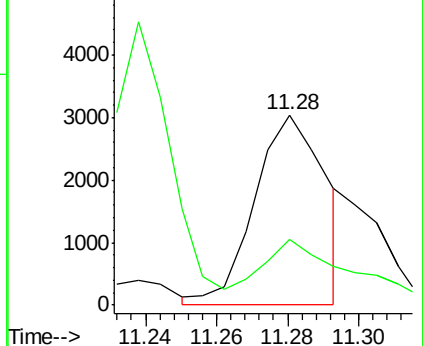
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 1.017 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

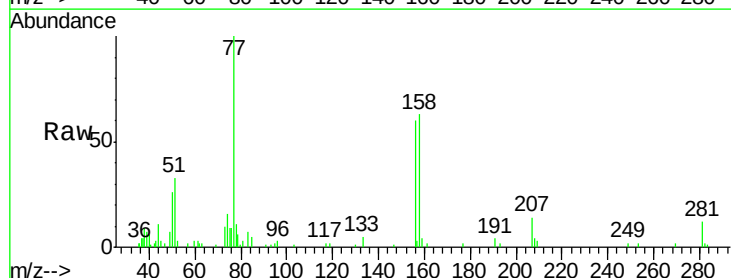
Tgt Ion: 156 Resp: 3468

Ion Ratio Lower Upper

156 100

77 161.9 78.3 234.8

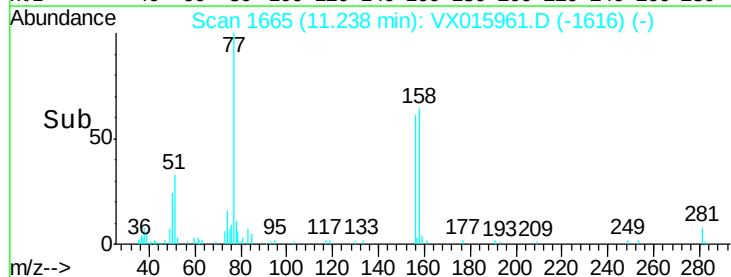
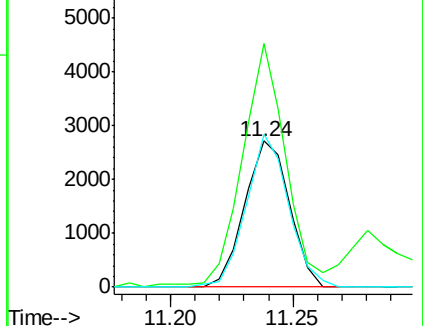
158 98.8 48.5 145.5

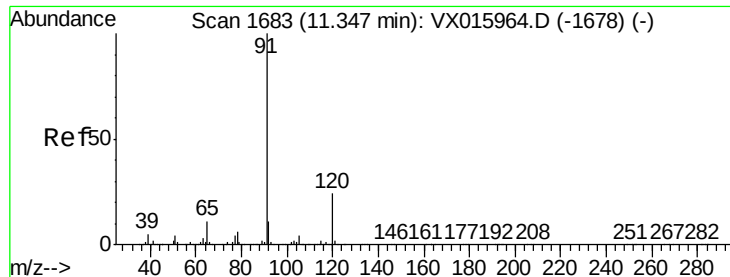


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 1.011 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 15402

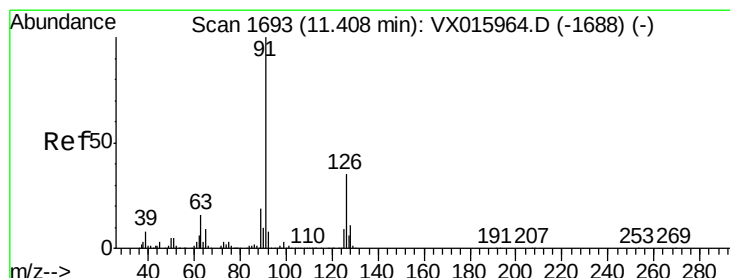
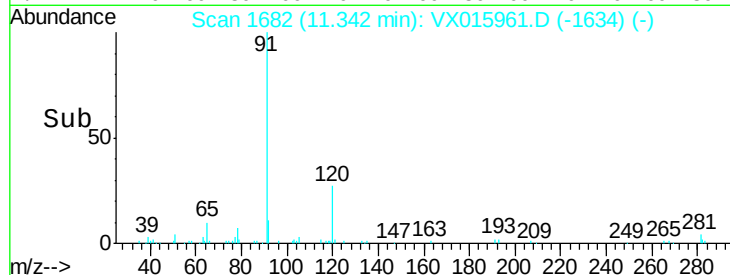
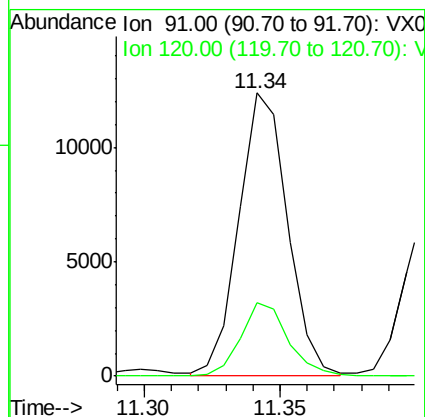
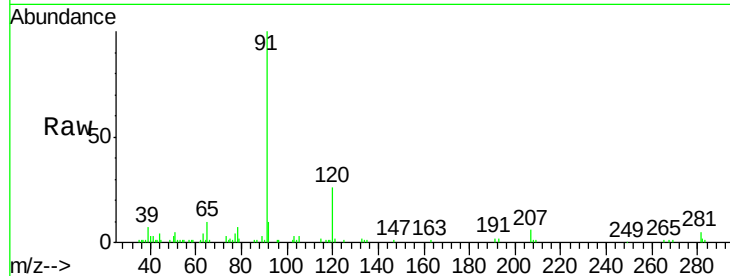
Ion Ratio Lower Upper

91 100

120 25.2 11.8 35.3

Manual Integrations
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#79

2-Chlorotoluene

Concen: 1.062 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX015961.D

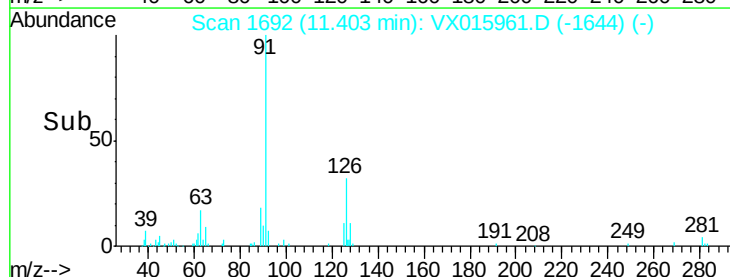
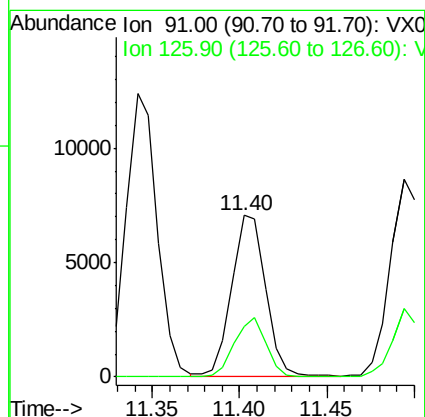
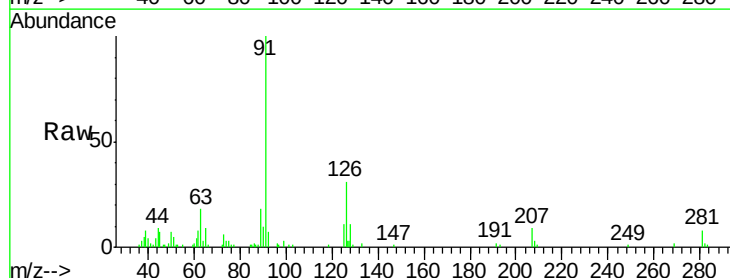
Acq: 28 Apr 2020 15:01

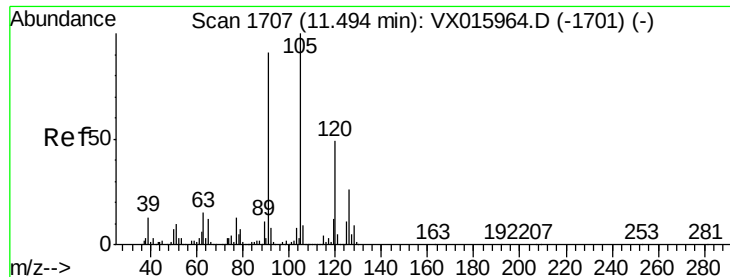
Tgt Ion: 91 Resp: 9645

Ion Ratio Lower Upper

91 100

126 33.4 17.0 51.0





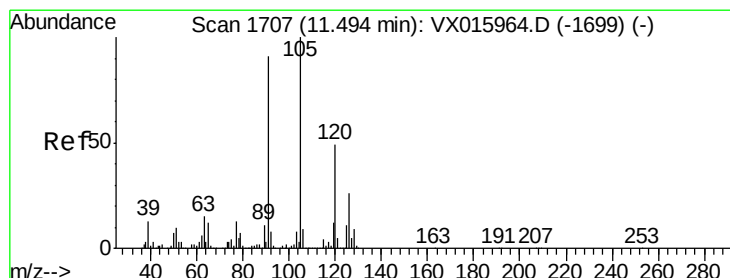
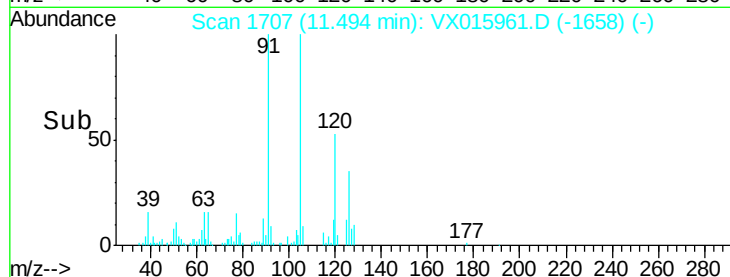
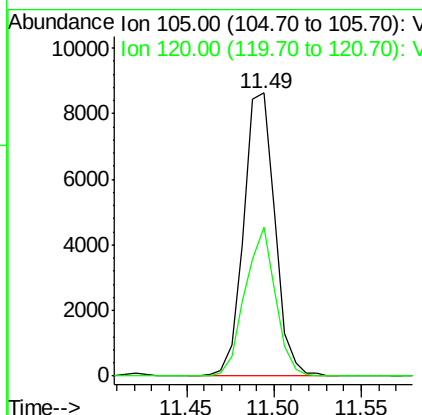
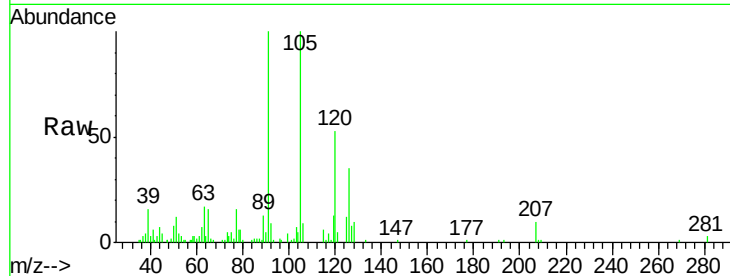
#80
 1,3,5-Trimethylbenzene
 Concen: 0.958 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX015961.D
 Acq: 28 Apr 2020 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	51.1	24.6	73.6

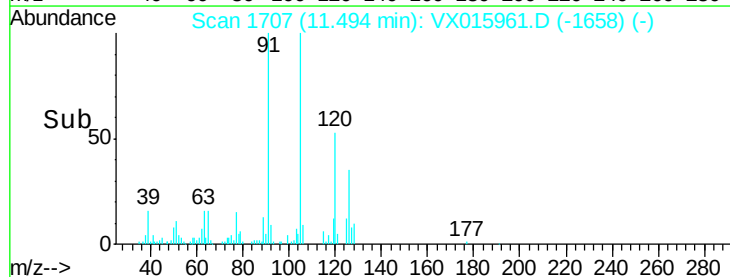
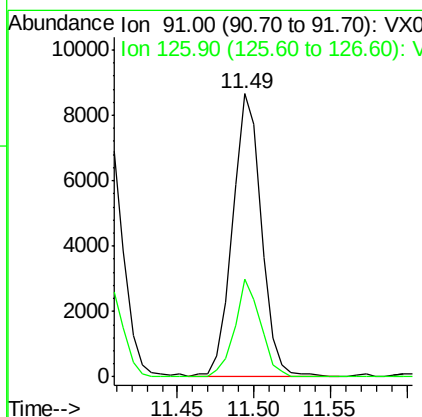
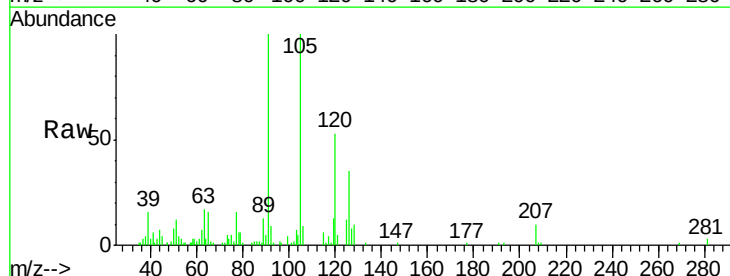
Manual Integrations
 APPROVED

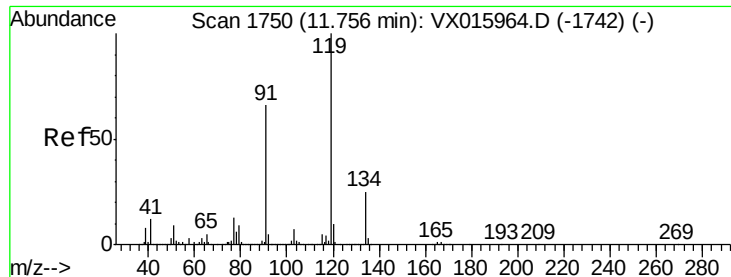
MMDadoda
 4/30/2020 2:59:39 PM



#82
 4-Chlorotoluene
 Concen: 1.045 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX015961.D
 Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	14.8	44.3





#83

tert-Butylbenzene

Concen: 0.960 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

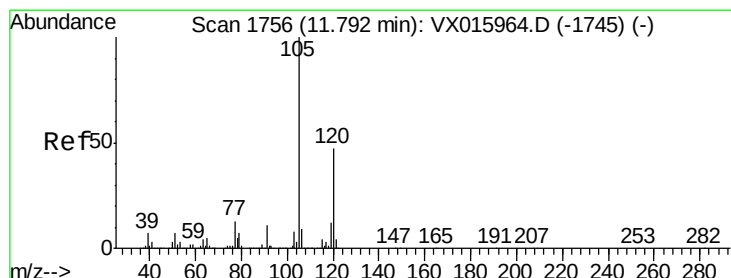
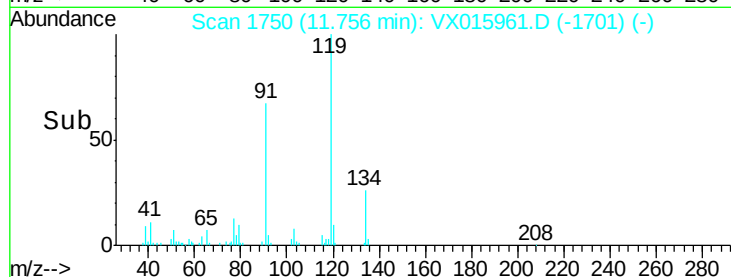
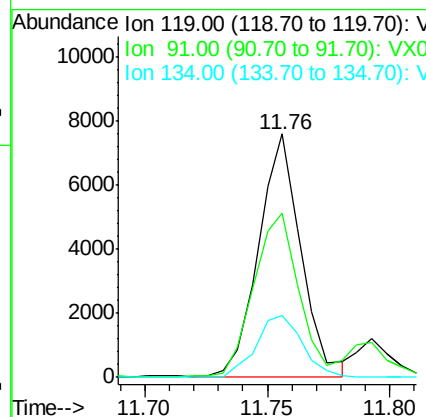
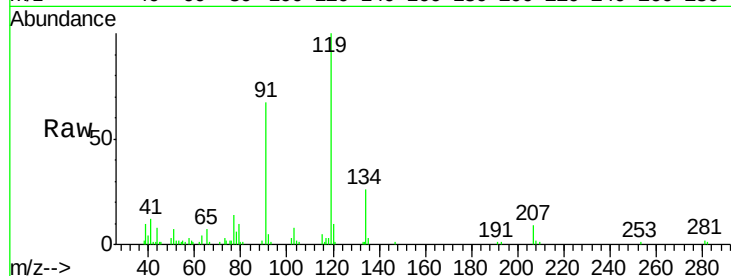
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	9239
Ion	Ratio	Lower	Upper
119	100		
91	71.9	33.5	100.4
134	27.7	12.4	37.2

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 0.936 ug/l

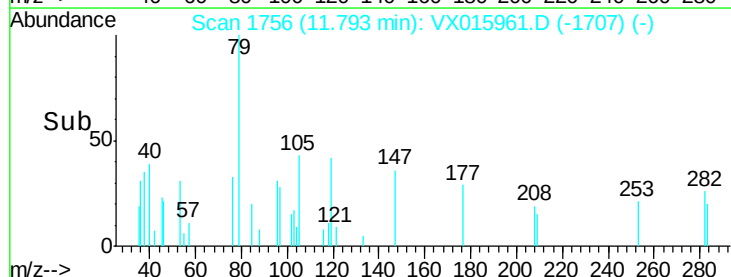
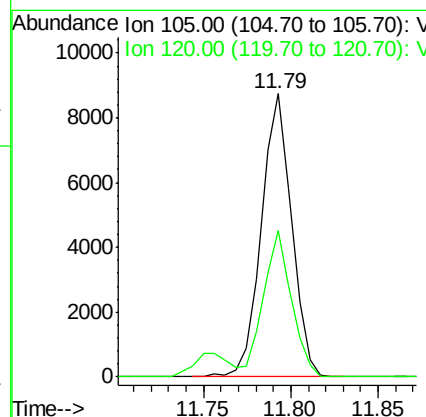
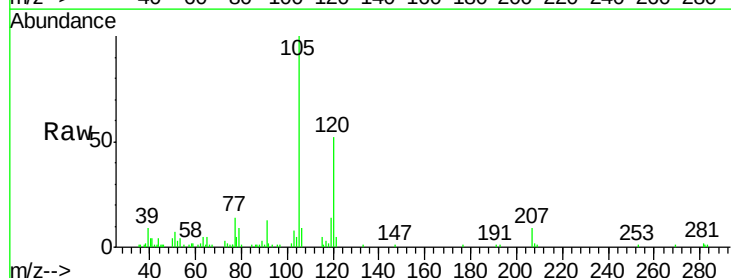
RT: 11.79 min Scan# 1756

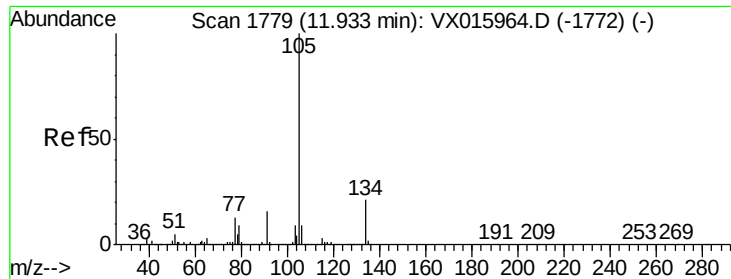
Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Tgt Ion:	105	Resp:	10509
Ion	Ratio	Lower	Upper
105	100		
120	48.4	22.9	68.8





#85

sec-Butylbenzene

Concen: 0.979 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 12688

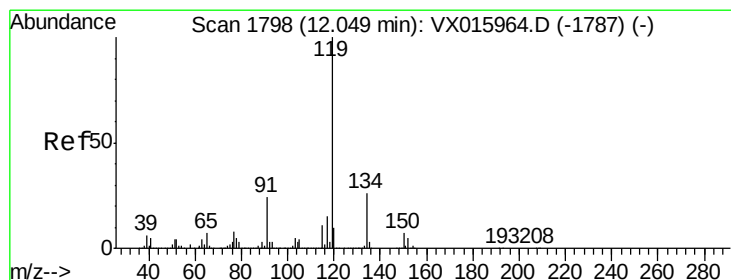
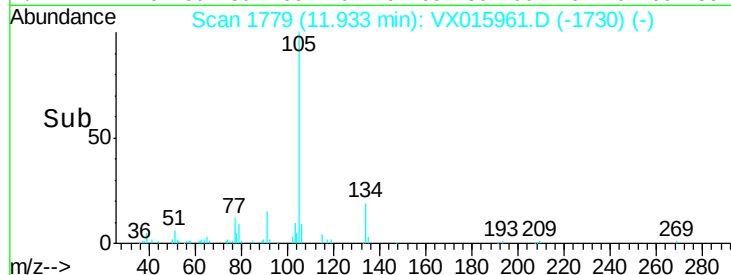
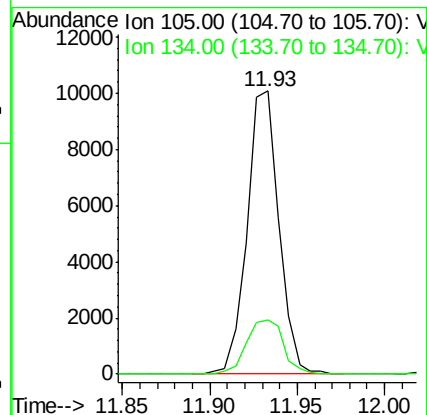
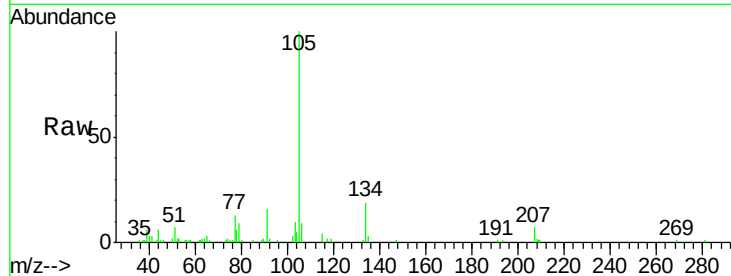
Ion Ratio Lower Upper

105 100

134 22.2 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 0.992 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

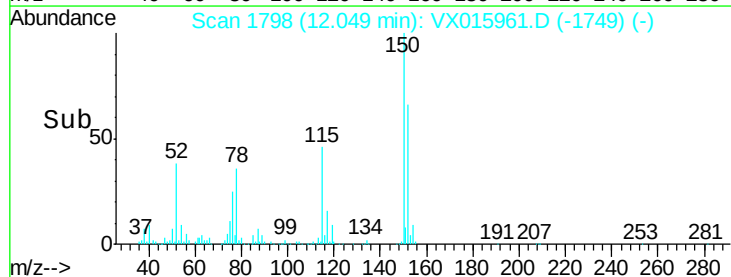
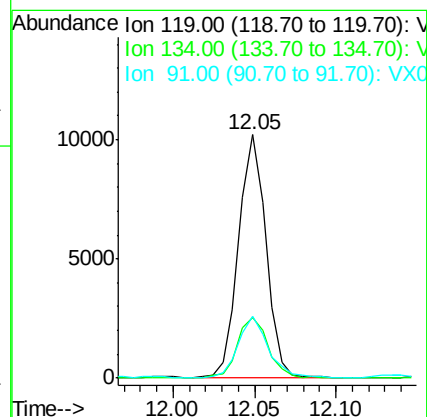
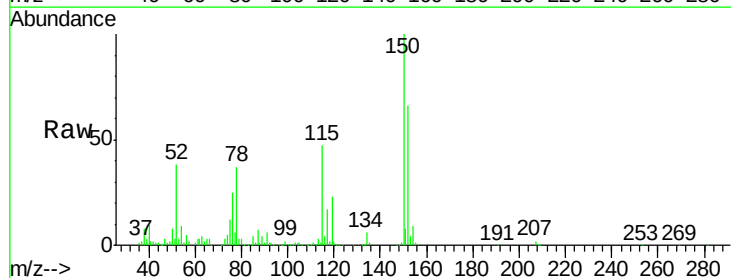
Tgt Ion:119 Resp: 12043

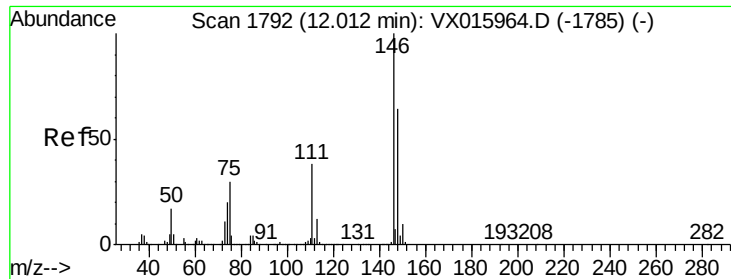
Ion Ratio Lower Upper

119 100

134 28.0 13.0 39.0

91 28.2 11.9 35.9





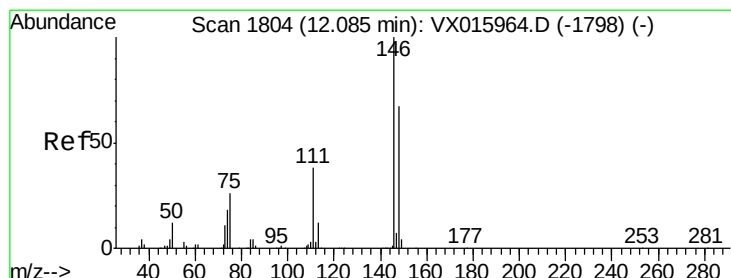
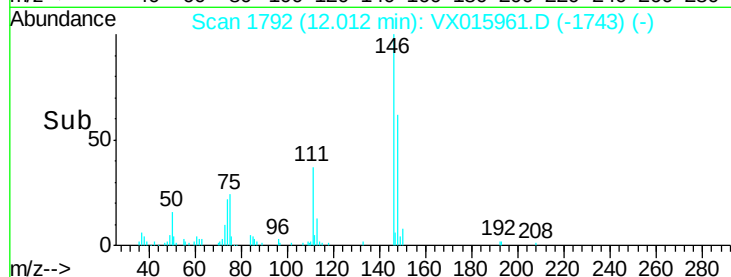
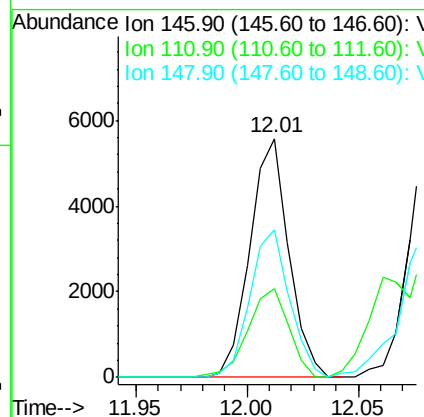
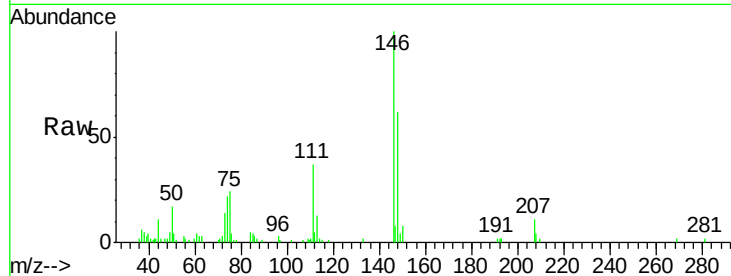
#87
 1,3-Dichlorobenzene
 Concen: 1.095 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015961.D
 Acq: 28 Apr 2020 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	62.7	32.0	96.0

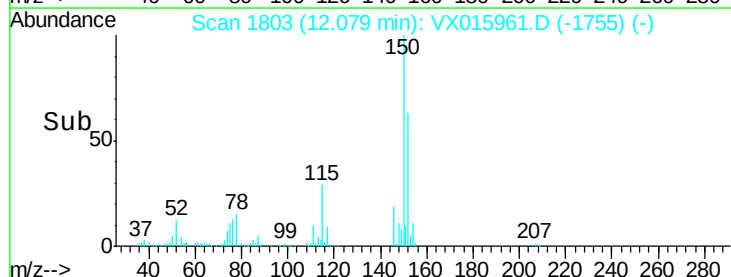
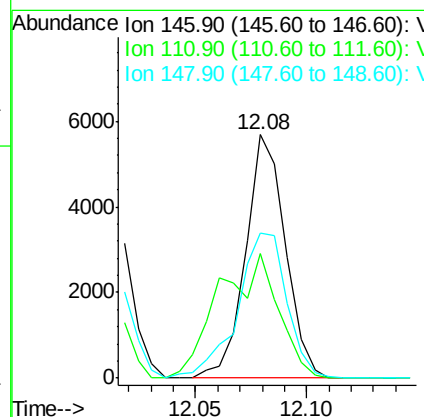
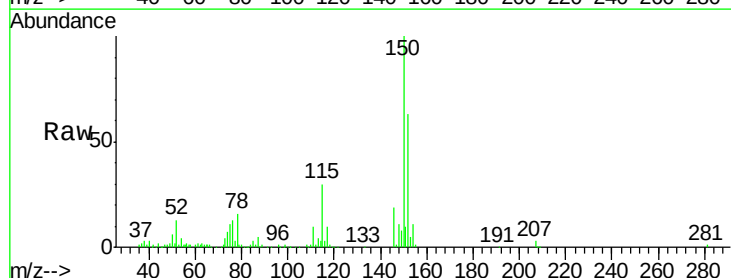
Manual Integrations
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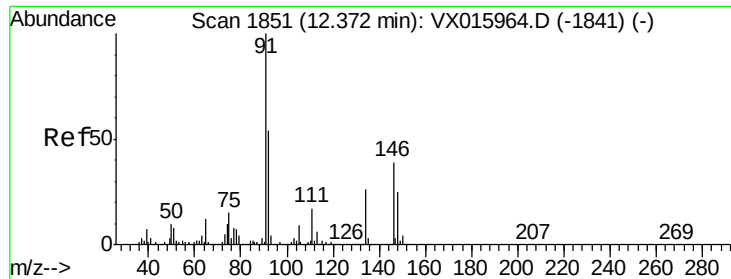
MMDadoda
 4/30/2020 2:59:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 1.125 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX015961.D
 Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	19.7	59.0
148	74.3	32.8	98.4





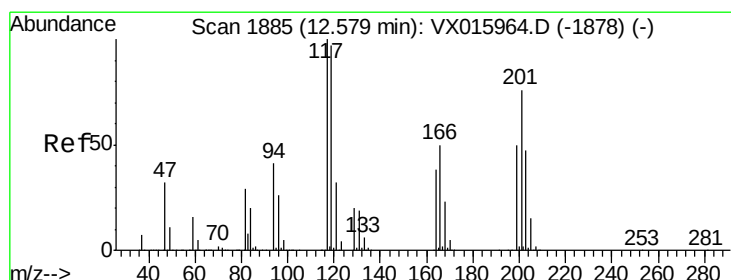
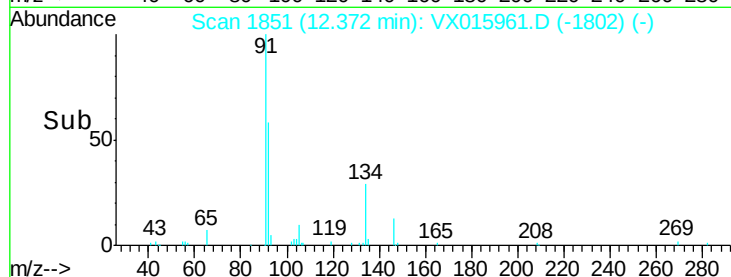
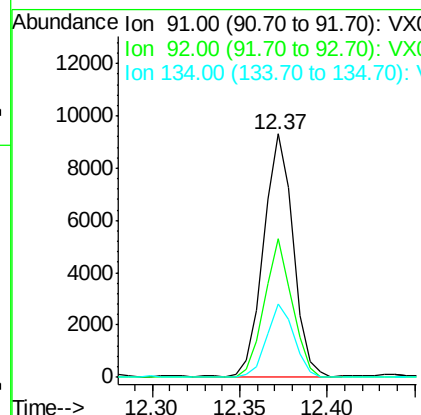
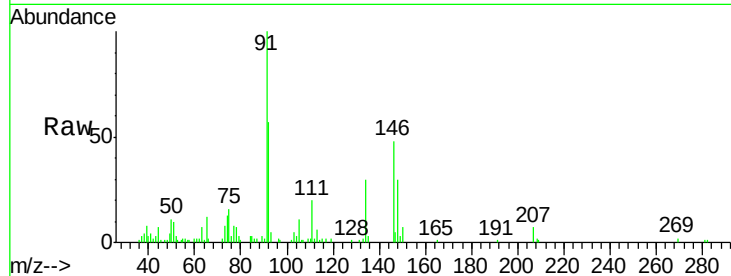
#89
n-Butylbenzene
Concen: 1.005 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.1	81.3
134	27.8	13.3	39.8

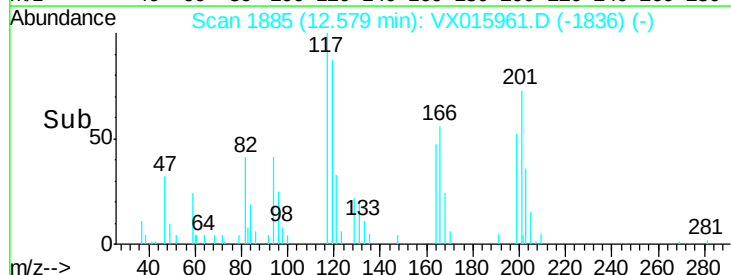
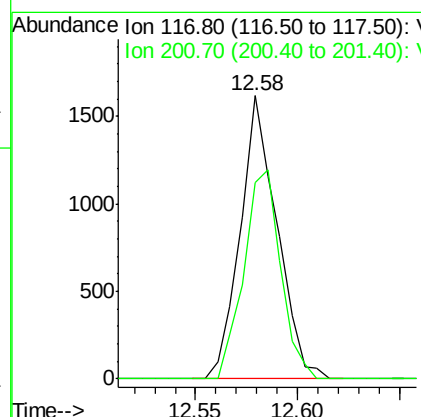
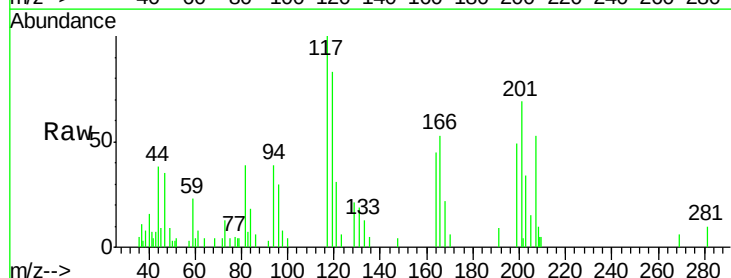
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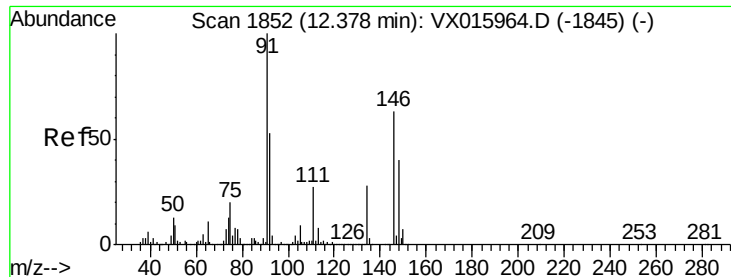
MMDadoda
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#90
Hexachloroethane
Concen: 0.939 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015961.D
Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.1	40.3	120.8





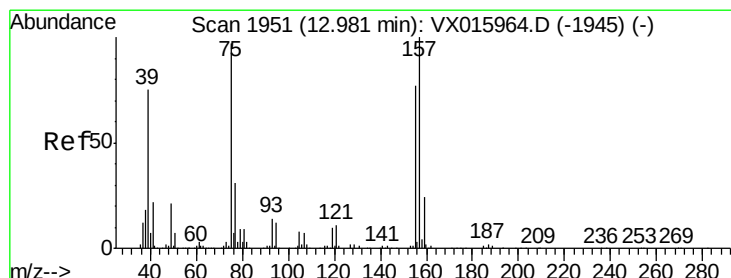
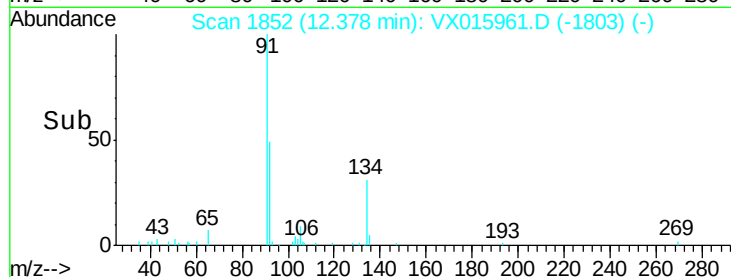
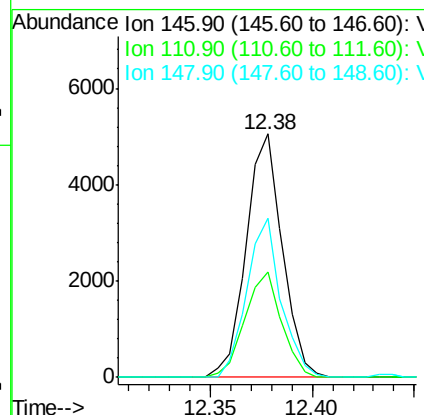
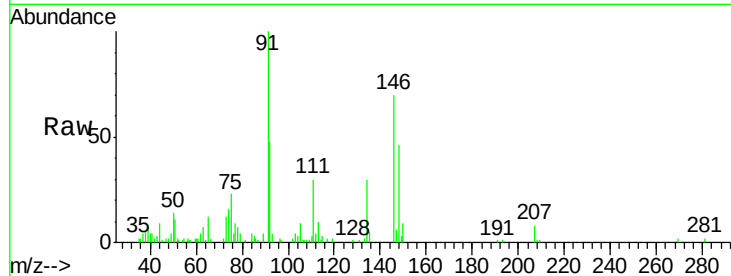
#91
 1,2-Dichlorobenzene
 Concen: 1.046 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015961.D
 Acq: 28 Apr 2020 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.1	63.3
148	61.8	32.3	96.9

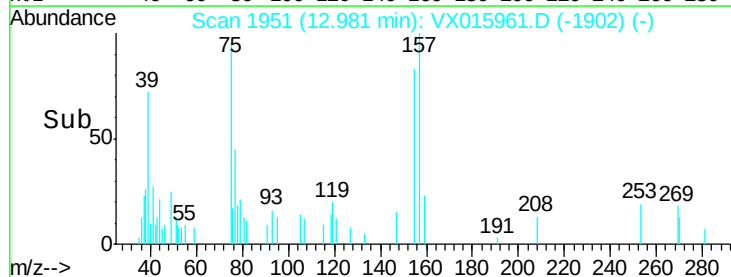
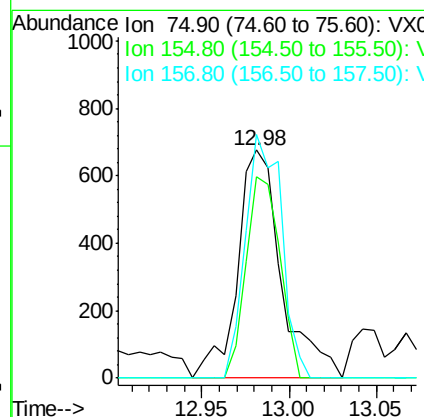
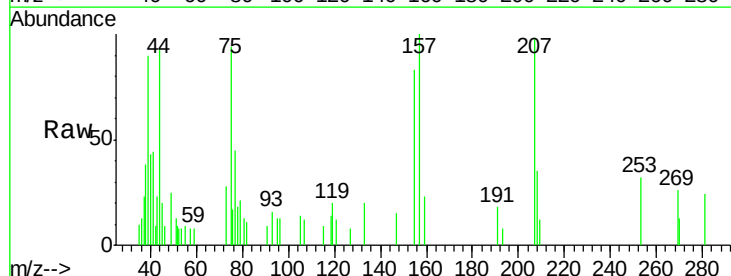
Manual Integrations
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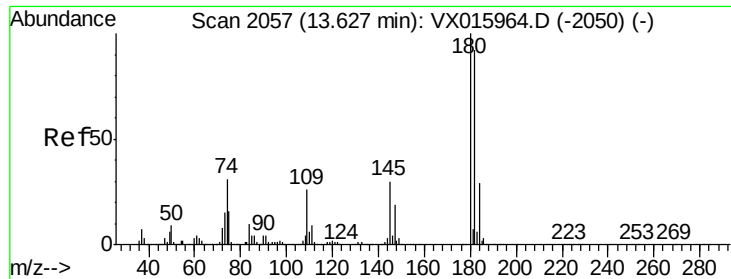
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.084 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX015961.D
 Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.5	42.5	127.6
157	87.5	56.0	168.2





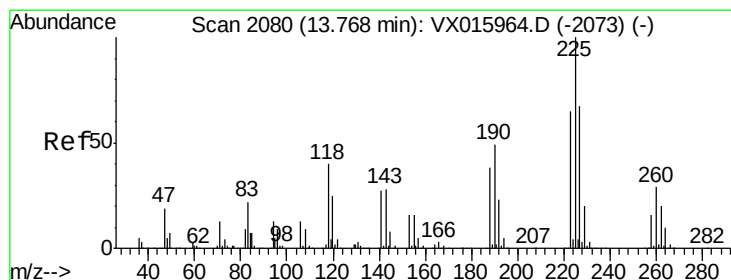
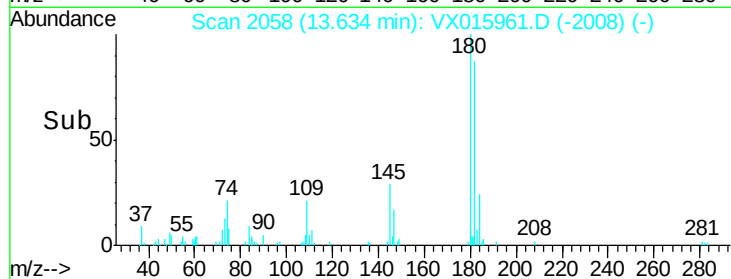
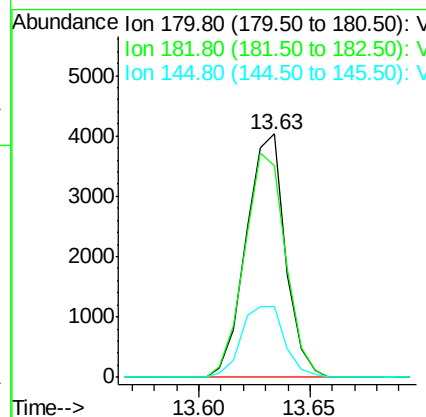
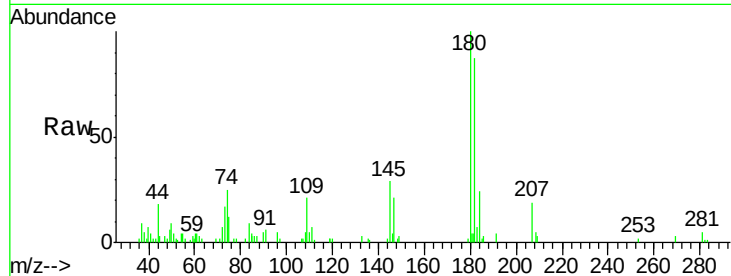
#93
 1,2,4-Trichlorobenzene
 Concen: 1.113 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX015961.D
 Acq: 28 Apr 2020 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.9	140.6
145	32.3	14.7	44.1

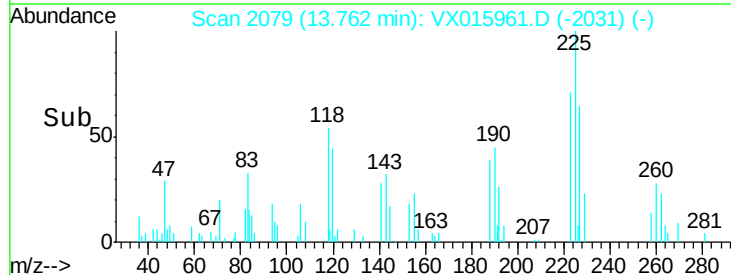
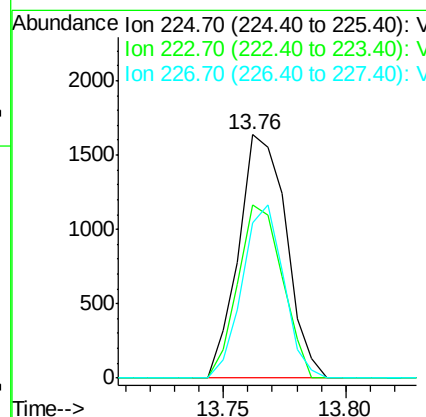
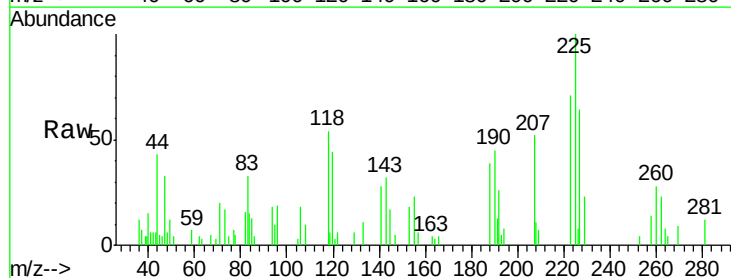
Manual Integrations
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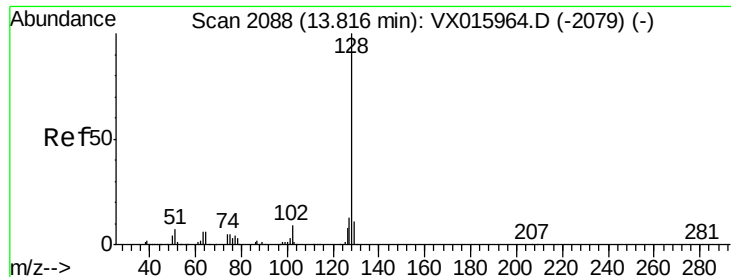
MMDadoda
 4/30/2020 2:59:39 PM



#94
 Hexachlorobutadiene
 Concen: 1.114 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX015961.D
 Acq: 28 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.5	32.0	96.0
227	62.1	33.0	99.0





#95

Naphthalene

Concen: 0.987 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Instrument :

MSVOA_X

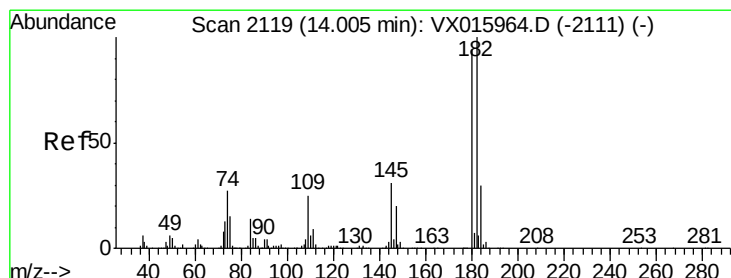
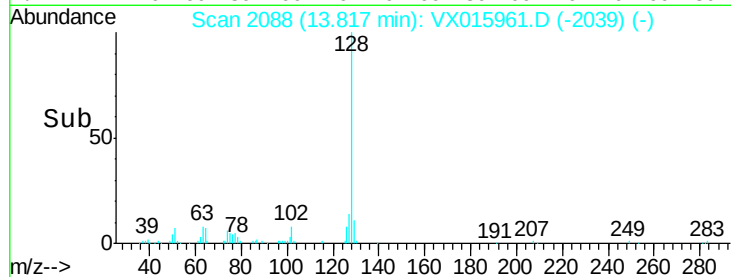
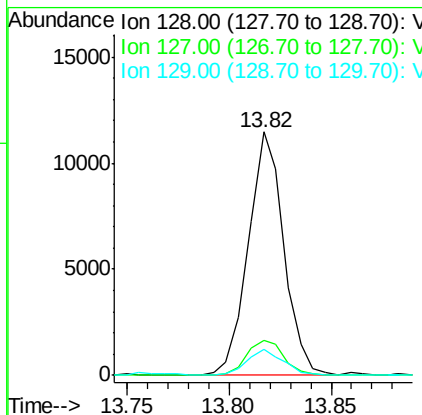
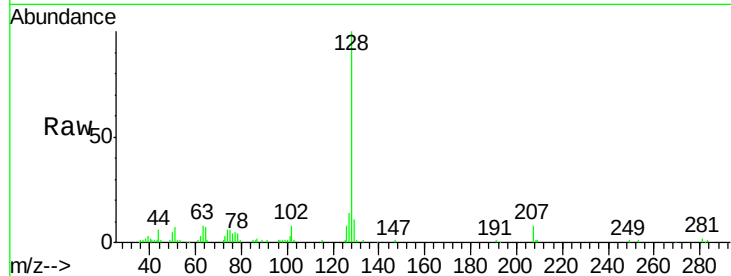
ClientSampleId :

VSTDICC001

Tot Ion:	128	Resp:	13897
Ion Ratio	Lower	Upper	
128	100		
127	14.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 1.062 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX015961.D

Acq: 28 Apr 2020 15:01

Tgt Ion:	180	Resp:	4565
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.7	146.1
145	33.2	16.1	48.3

