

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042920\
 Data File : VX015971.D
 Acq On : 29 Apr 2020 12:56
 Operator : JC/SP
 Sample : VX0429WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:11:43 PM

Quant Time: Apr 30 07:25:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	271941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	435490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	402575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201907	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	171197	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	5.46	113	126455	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
50) Toluene-d8	8.70	98	482822	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.12	95	183937	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	49468	20.328	ug/l	94
3) Chloromethane	1.31	50	57308	19.432	ug/l	98
4) Vinyl Chloride	1.39	62	64186	19.164	ug/l	99
5) Bromomethane	1.63	94	46054	20.482	ug/l	97
6) Chloroethane	1.71	64	40703	18.270	ug/l	98
7) Trichlorofluoromethane	1.92	101	96070	18.977	ug/l	98
8) Diethyl Ether	2.17	74	38517	18.225	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	48659	19.283	ug/l	99
10) Methyl Iodide	2.49	142	64348	18.280	ug/l	99
11) Tert butyl alcohol	3.01	59	79814	92.476	ug/l	100
12) 1,1-Dichloroethene	2.36	96	48906	18.797	ug/l	98
13) Acrolein	2.27	56	20500	94.514	ug/l	100
14) Allyl chloride	2.71	41	90498	19.289	ug/l	99
15) Acrylonitrile	3.11	53	158746	92.763	ug/l	98
16) Acetone	2.42	43	144644	95.135	ug/l	98
17) Carbon Disulfide	2.55	76	146312	19.118	ug/l	99
18) Methyl Acetate	2.75	43	80714	18.708	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	181064	19.241	ug/l	100
20) Methylene Chloride	2.83	84	56032	18.616	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	53485	18.240	ug/l	97
22) Diisopropyl ether	3.82	45	179352	19.445	ug/l	93
23) Vinyl Acetate	3.78	43	776221	96.877	ug/l	98
24) 1,1-Dichloroethane	3.67	63	99672	19.398	ug/l	100
25) 2-Butanone	4.63	43	229881	93.304	ug/l	99
26) 2,2-Dichloropropane	4.55	77	88813	18.904	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	60913	18.306	ug/l	97
28) Bromochloromethane	4.98	49	49141	19.764	ug/l	98
29) Tetrahydrofuran	5.09	42	149576	92.636	ug/l	99
30) Chloroform	5.17	83	100742	18.855	ug/l	99
31) Cyclohexane	5.55	56	89370	19.537	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	93146	18.934	ug/l	99
36) 1,1-Dichloropropene	5.77	75	74891	18.056	ug/l	100
37) Ethyl Acetate	4.79	43	88713	18.652	ug/l	99
38) Carbon Tetrachloride	5.76	117	82797	18.899	ug/l	97

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Manual Integrations
 APPROVED

MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	92113	19.199	ug/l	97
40) Benzene	6.11	78	221479	18.714	ug/l	100
41) Methacrylonitrile	5.00	41	48312	18.977	ug/l	97
42) 1,2-Dichloroethane	6.16	62	86919	18.955	ug/l	100
43) Isopropyl Acetate	6.41	43	145806	18.513	ug/l	100
44) Trichloroethene	7.19	130	84485	19.805	ug/l	100
45) 1,2-Dichloropropane	7.49	63	57196	18.700	ug/l	97
46) Dibromomethane	7.63	93	40931	18.833	ug/l	99
47) Bromodichloromethane	7.87	83	80806	18.710	ug/l	100
48) Methyl methacrylate	7.74	41	67937	18.683	ug/l	99
49) 1,4-Dioxane	7.71	88	31669	370.204	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	444896	93.128	ug/l	100
52) Toluene	8.76	92	142639	18.987	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	94024	18.348	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	98462	18.682	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	54953	18.305	ug/l	98
56) Ethyl methacrylate	9.16	69	90889	18.619	ug/l	100
57) 1,3-Dichloropropane	9.35	76	97683	18.937	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	230246	91.273	ug/l	100
59) 2-Hexanone	9.47	43	346311	92.759	ug/l	99
60) Dibromochloromethane	9.57	129	62430	18.579	ug/l	99
61) 1,2-Dibromoethane	9.65	107	59861	18.388	ug/l	97
64) Tetrachloroethene	9.32	164	92818	19.435	ug/l	97
65) Chlorobenzene	10.12	112	153208	18.685	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	58339	18.825	ug/l	99
67) Ethyl Benzene	10.24	91	271058	18.563	ug/l	99
68) m/p-Xylenes	10.34	106	205256	37.045	ug/l	100
69) o-Xylene	10.68	106	98759	18.773	ug/l	98
70) Styrene	10.70	104	165051	18.285	ug/l	100
71) Bromoform	10.84	173	44694	17.660	ug/l #	99
73) Isopropylbenzene	11.00	105	265116	19.302	ug/l	100
74) N-amyl acetate	10.88	43	125419	18.933	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	42779	16.125	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	82542m	19.483	ug/l	
77) Bromobenzene	11.24	156	67303	19.036	ug/l	99
78) n-propylbenzene	11.34	91	305601	19.341	ug/l	99
79) 2-Chlorotoluene	11.40	91	180794	19.204	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	225077	19.453	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	33071	18.446	ug/l	99
82) 4-Chlorotoluene	11.49	91	214173	19.021	ug/l	100
83) tert-Butylbenzene	11.76	119	193298	19.376	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	227929	19.574	ug/l	99
85) sec-Butylbenzene	11.93	105	262328	19.517	ug/l	100
86) p-Isopropyltoluene	12.05	119	239940	19.058	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	123156	19.101	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	121781	18.689	ug/l	98
89) n-Butylbenzene	12.37	91	214306	18.839	ug/l	100
90) Hexachloroethane	12.58	117	42588	19.145	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	115750	18.774	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	19729	17.398	ug/l	99

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

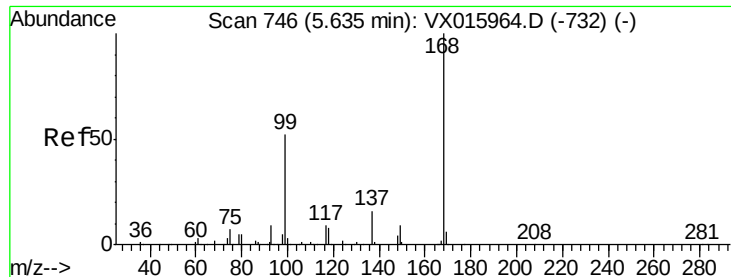
Manual Integrations
APPROVED

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4/30/2020 2:11:43 PM

Quant Time: Apr 30 07:25:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 28 17:30:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	84488	18.258	ug/l	100
94) Hexachlorobutadiene	13.77	225	38880	18.805	ug/l	98
95) Naphthalene	13.82	128	273053	18.709	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	83182	18.668	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion:168 Resp: 271941

Ion Ratio Lower Upper

168 100

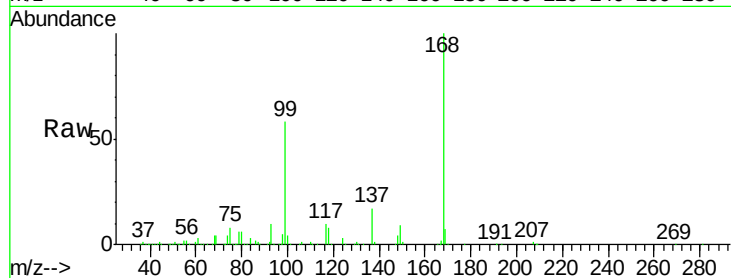
99 57.8 41.7 62.5

Manual Integrations

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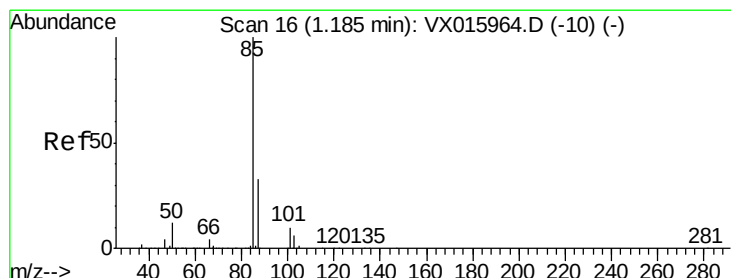
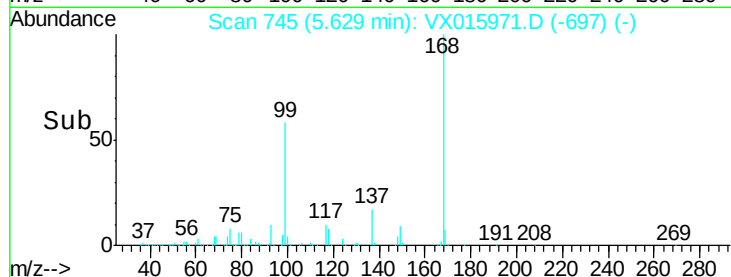
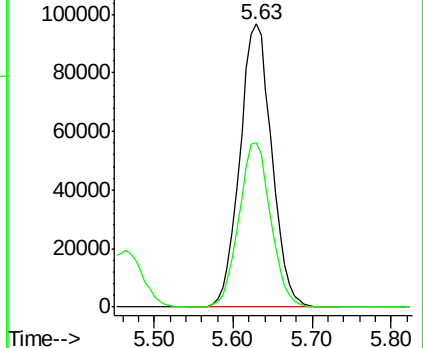
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.328 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015971.D

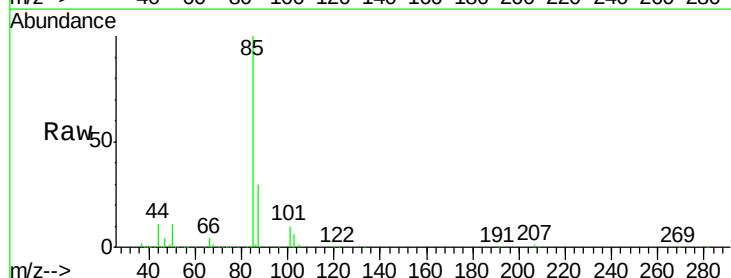
Acq: 29 Apr 2020 12:56

Tgt Ion: 85 Resp: 49468

Ion Ratio Lower Upper

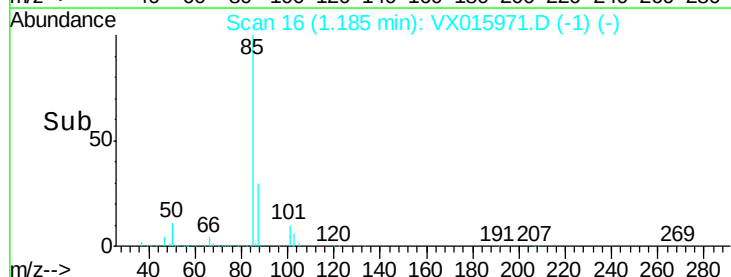
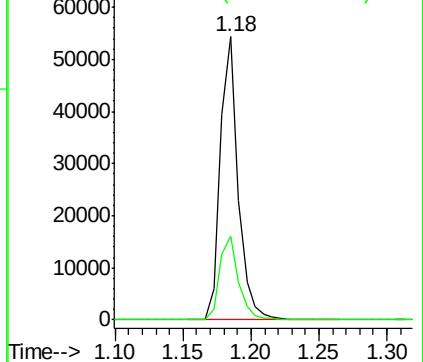
85 100

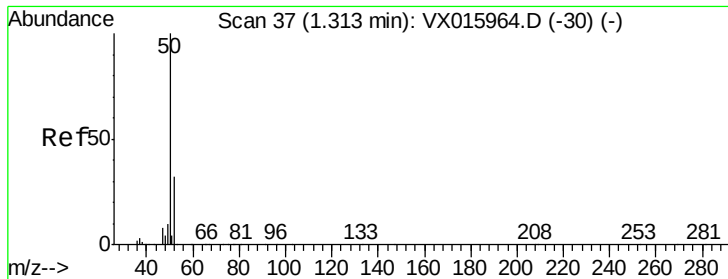
87 29.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.432 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 50 Resp: 57308

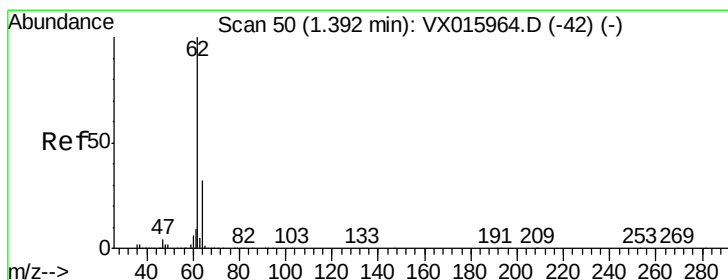
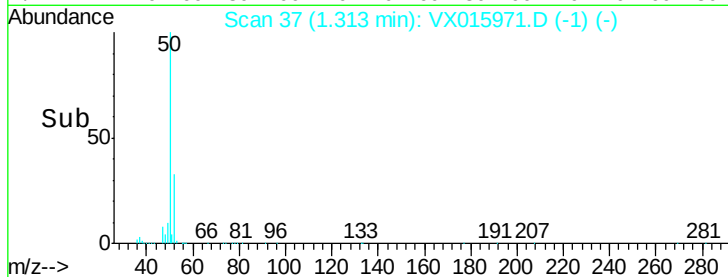
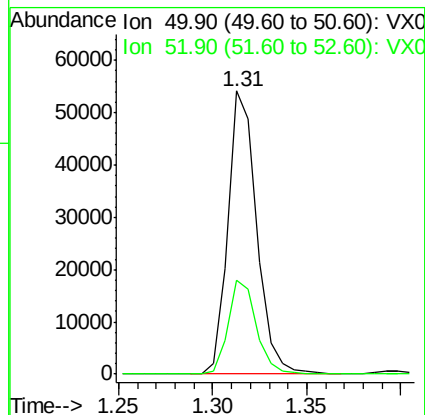
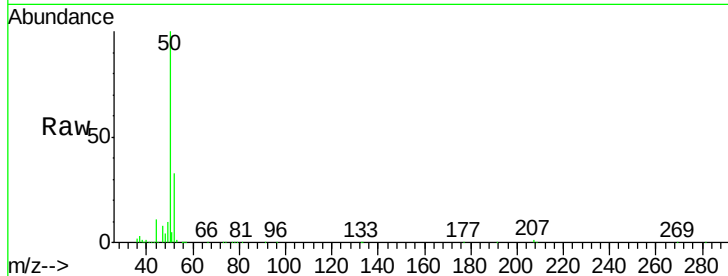
Ion Ratio Lower Upper

50 100

52 33.2 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.164 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015971.D

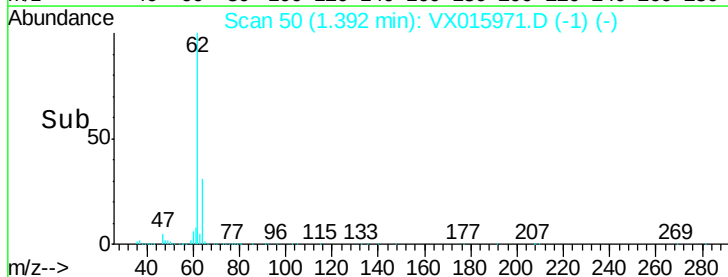
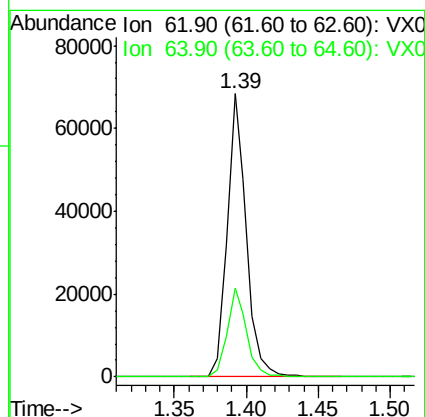
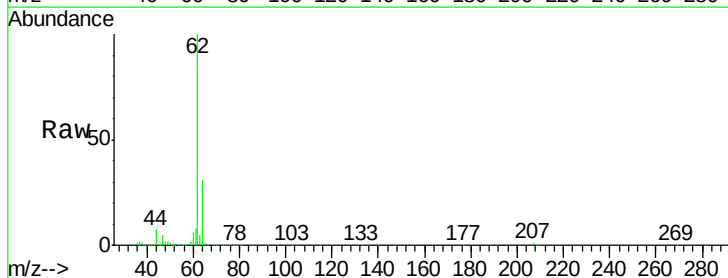
Acq: 29 Apr 2020 12:56

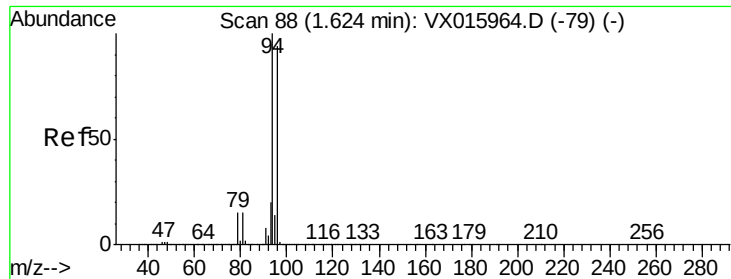
Tgt Ion: 62 Resp: 64186

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.6





#5

Bromomethane

Concen: 20.482 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 94 Resp: 46054

Ion Ratio Lower Upper

94 100

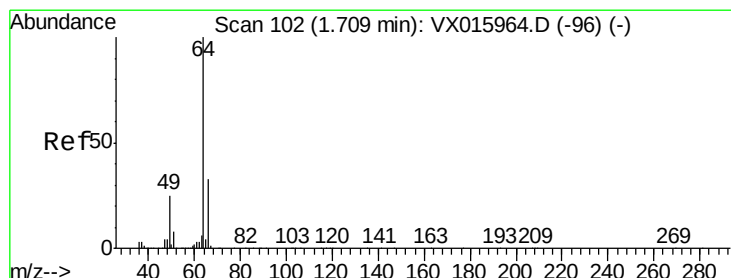
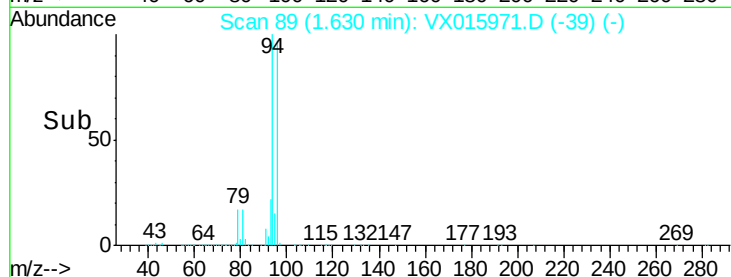
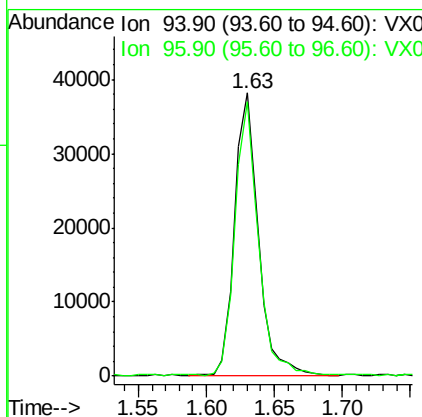
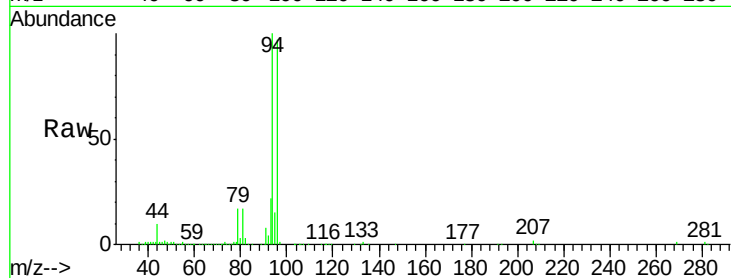
96 96.8 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 18.270 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX015971.D

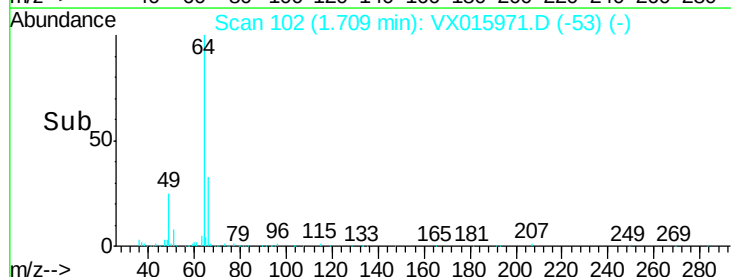
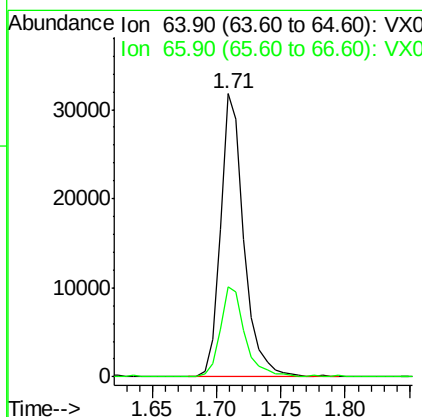
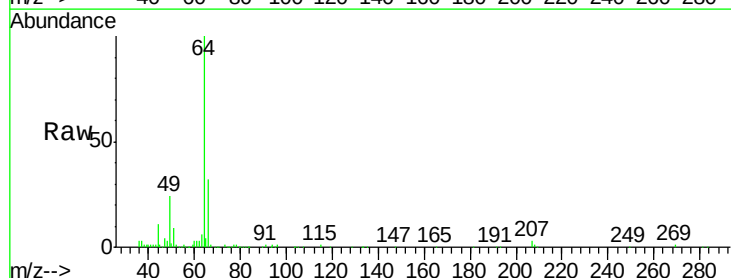
Acq: 29 Apr 2020 12:56

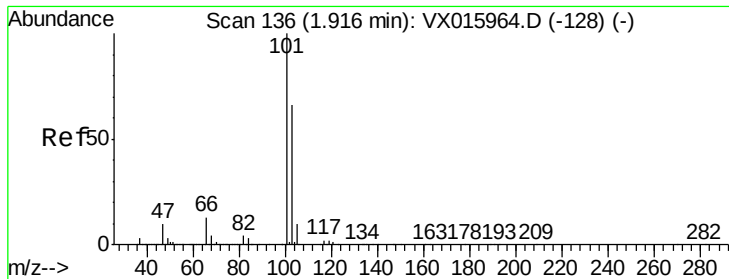
Tgt Ion: 64 Resp: 40703

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.2





#7

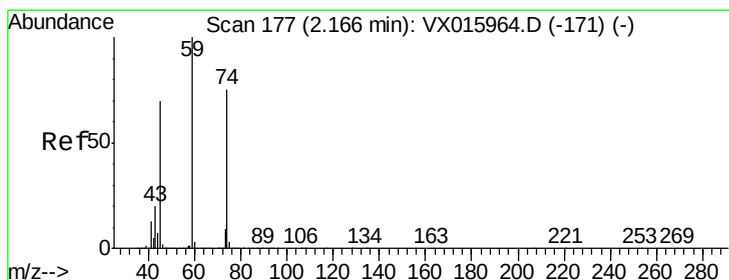
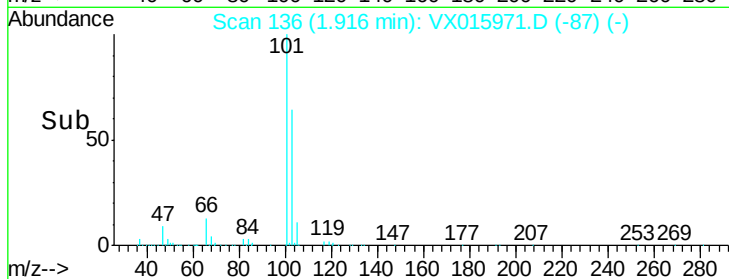
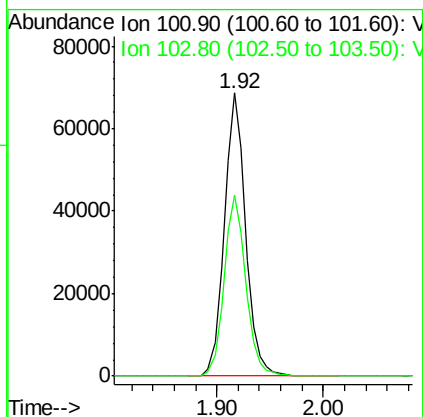
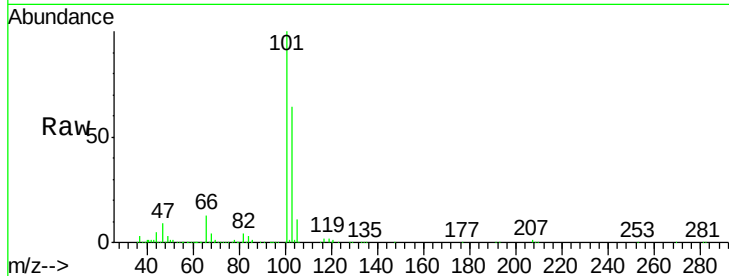
Trichlorofluoromethane
Concen: 18.977 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.4	78.6

Manual Integrations
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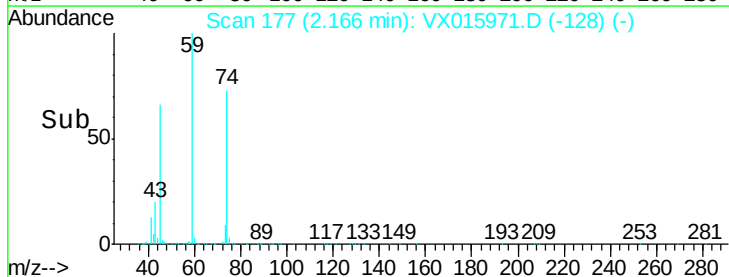
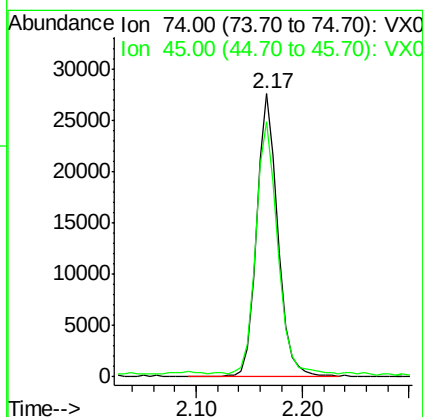
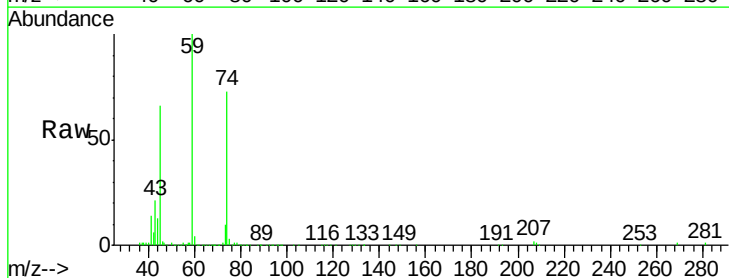
MMDadoda
4/30/2020 2:11:43 PM

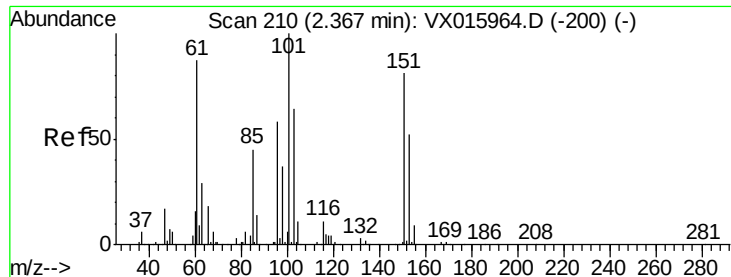


#8

Diethyl Ether
Concen: 18.225 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	47.1	141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.283 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

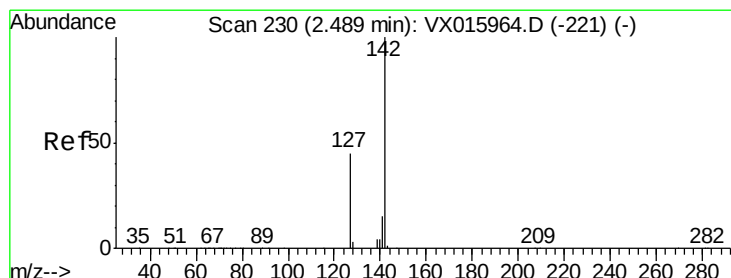
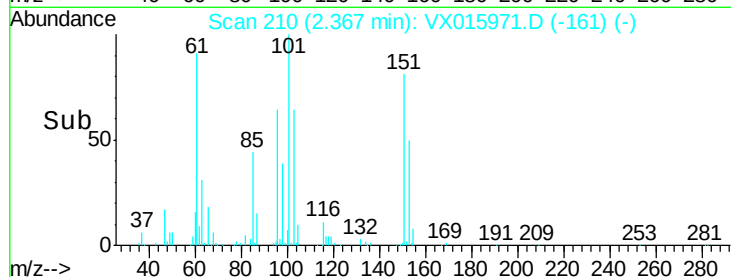
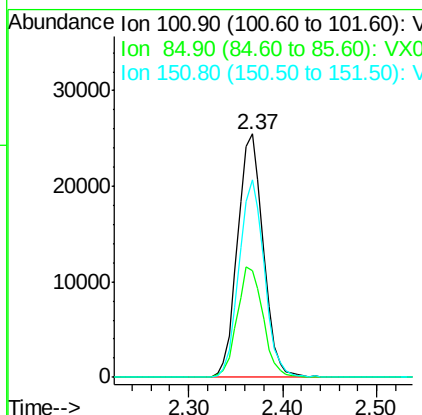
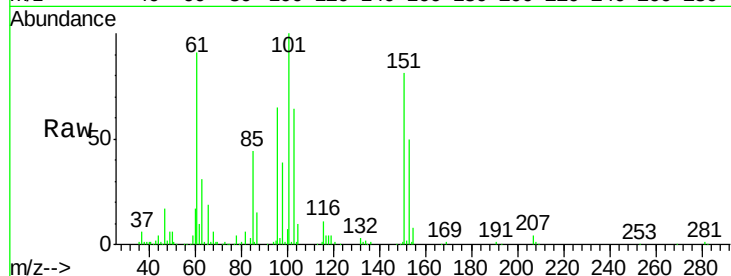
ClientSampleId :

VX0429WBS01

Tot Ion:	101	Resp:	48659
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.3	54.5
151	79.7	63.1	94.7

Manual Integrations
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4/30/2020 2:11:43 PM



#10

Methyl Iodide

Concen: 18.280 ug/l

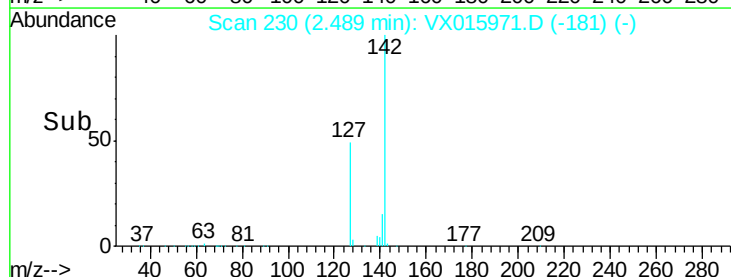
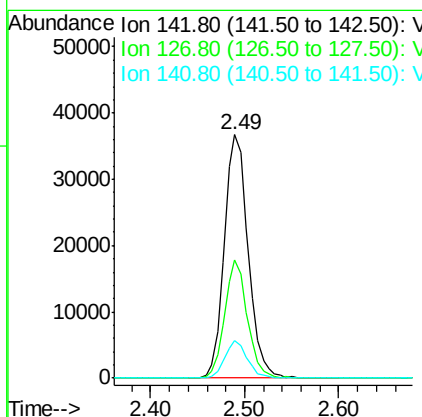
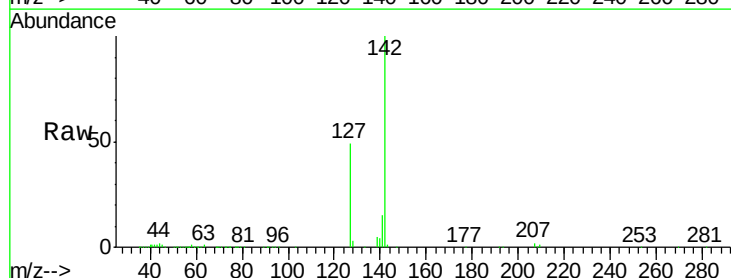
RT: 2.49 min Scan# 230

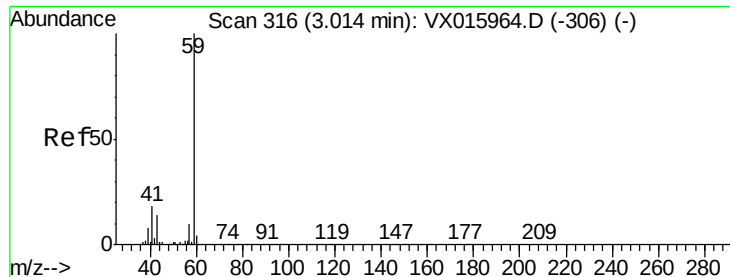
Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Tgt Ion:	142	Resp:	64348
Ion Ratio	Lower	Upper	
142	100		
127	46.3	36.5	54.7
141	14.4	11.6	17.4





#11

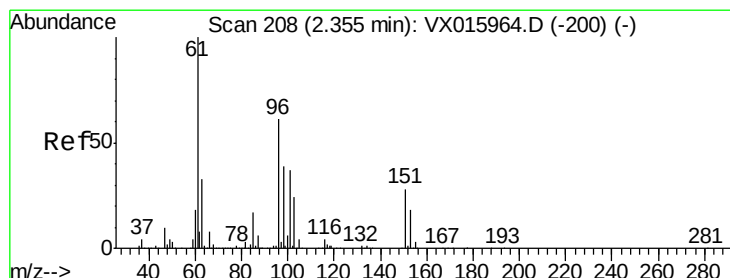
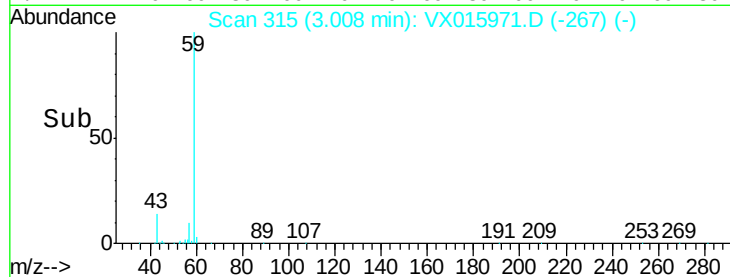
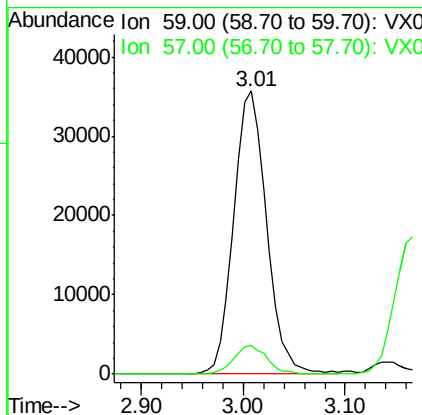
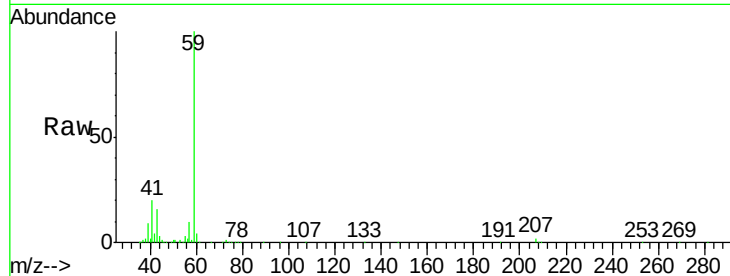
Tert butyl alcohol
Concen: 92.476 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.5	8.3	12.5

Manual Integrations
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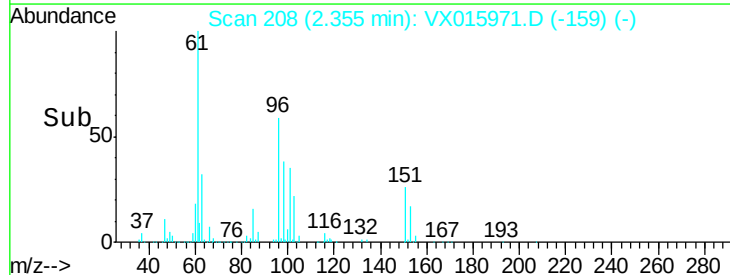
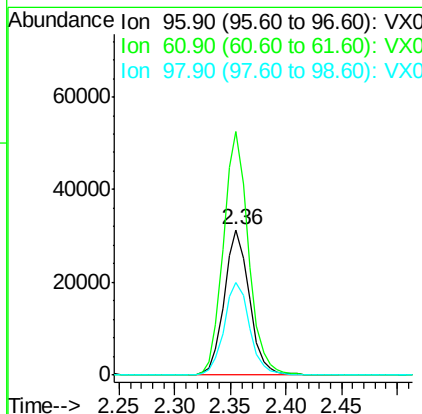
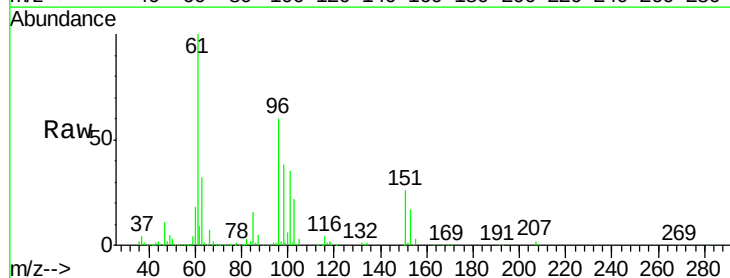
MMDadoda
4/30/2020 2:11:43 PM

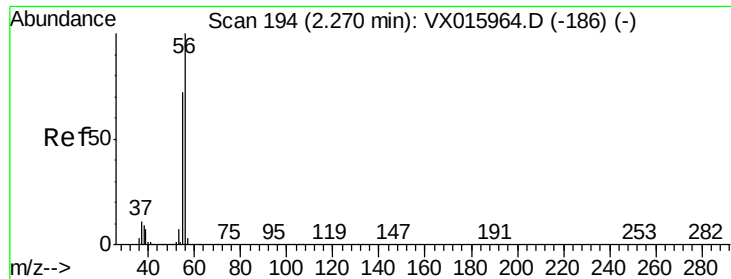


#12

1,1-Dichloroethene
Concen: 18.797 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	167.7	131.0	196.4
98	98	63.7	50.7	76.1





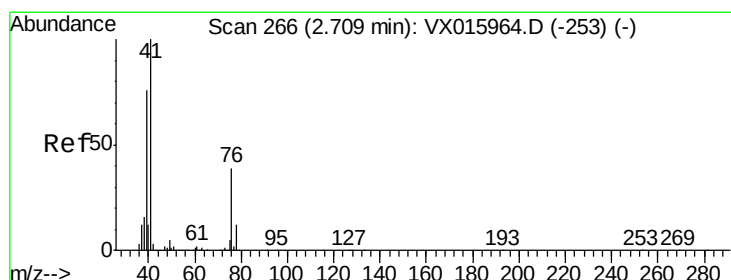
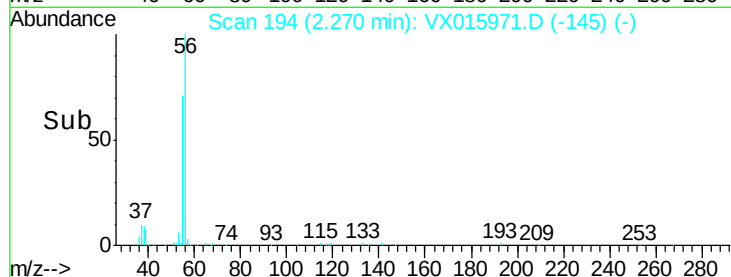
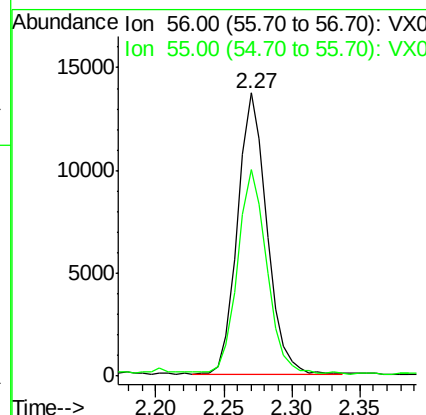
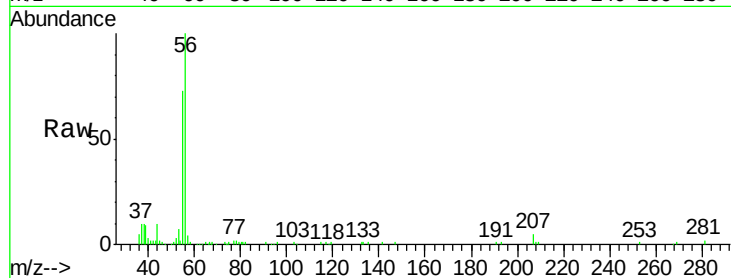
#13
Acrolein
Concen: 94.514 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.9	85.3

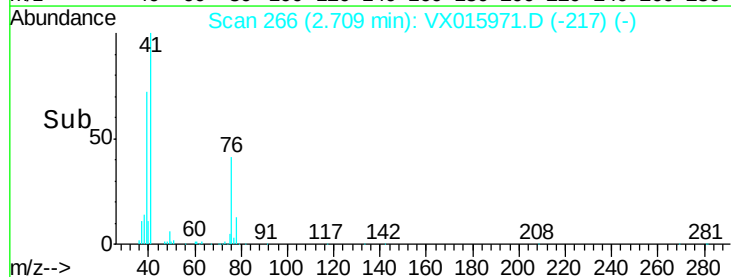
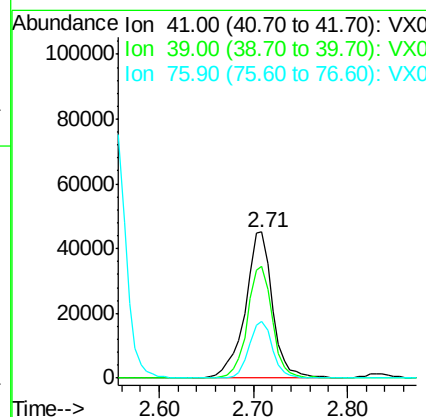
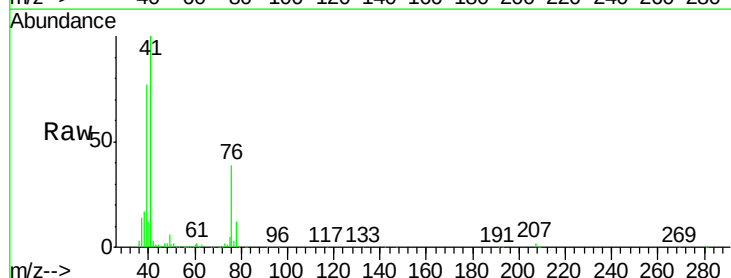
Manual Integrations
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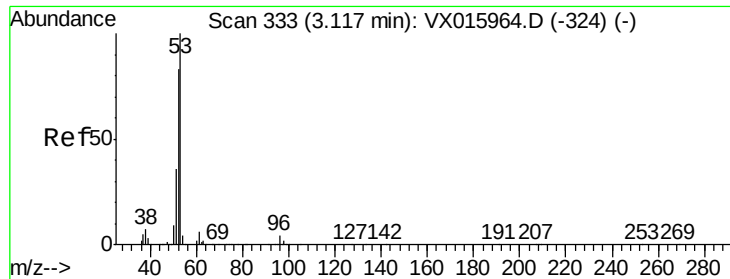
MMDadoda
4/30/2020 2:11:43 PM



#14
Allyl chloride
Concen: 19.289 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.3	55.4	83.0
76	34.1	27.1	40.7





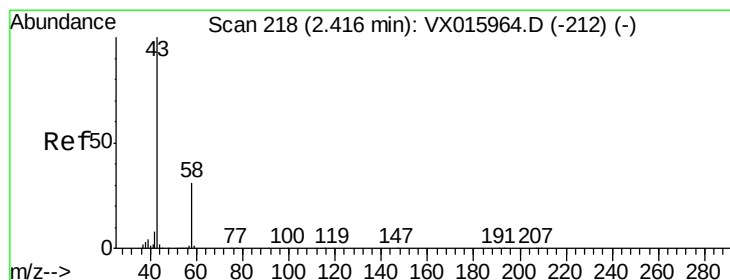
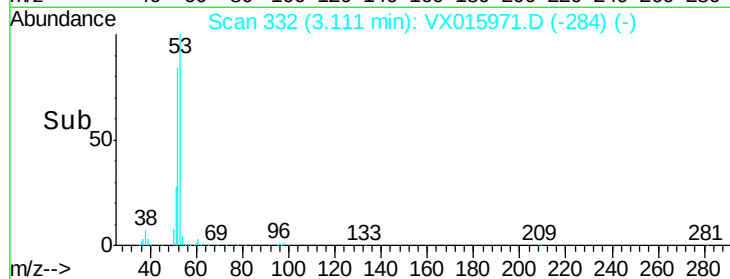
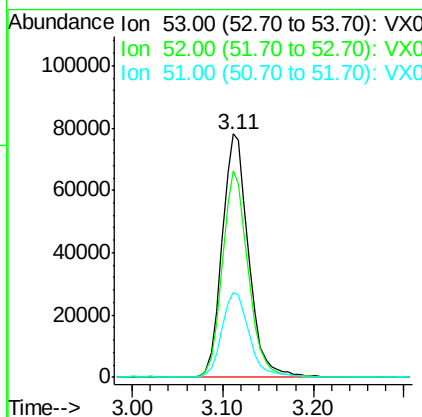
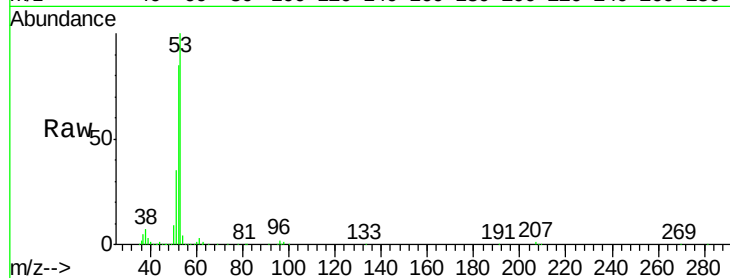
#15
 Acrylonitrile
 Concen: 92.763 ug/l
 RT: 3.11 min Scan# 332
 Delta R.T. -0.01 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		158746		
52	83.7	65.5		98.3	
51	36.6	28.7		43.1	

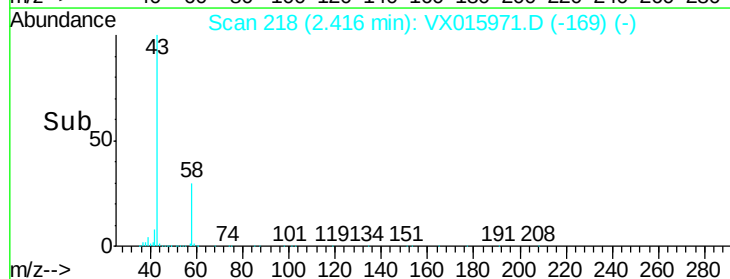
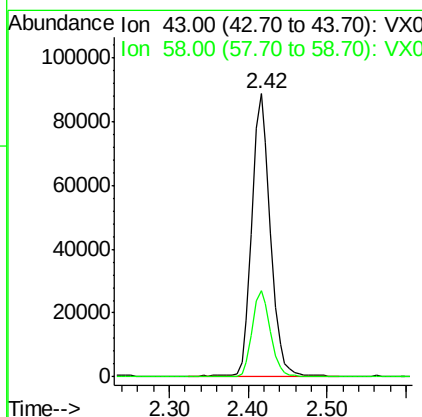
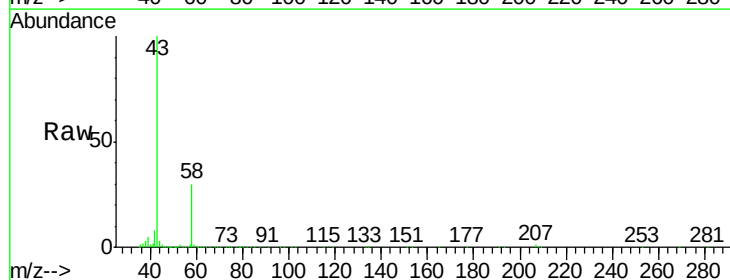
Manual Integrations
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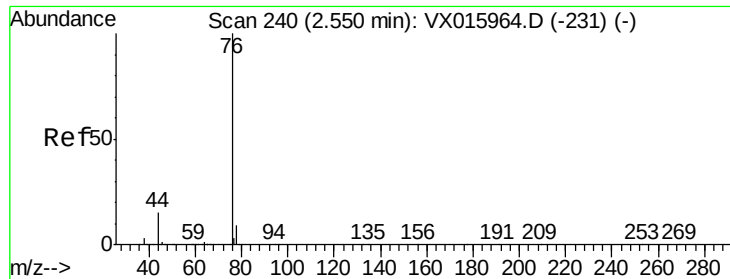
MMDadoda
 4/30/2020 2:11:43 PM



#16
 Acetone
 Concen: 95.135 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		144644		
58	30.4	25.1		37.7	





#17

Carbon Disulfide

Concen: 19.118 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

ClientSampled :

VX0429WBS01

Tot Ion: 76 Resp: 146312

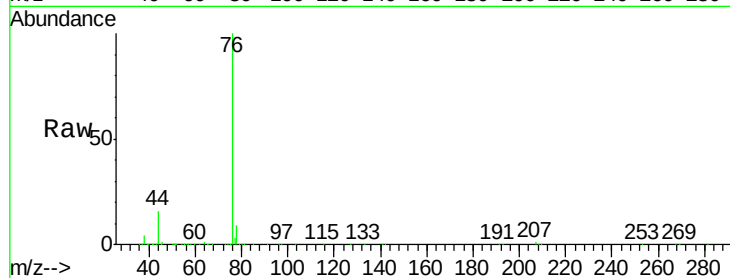
Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

100000

80000

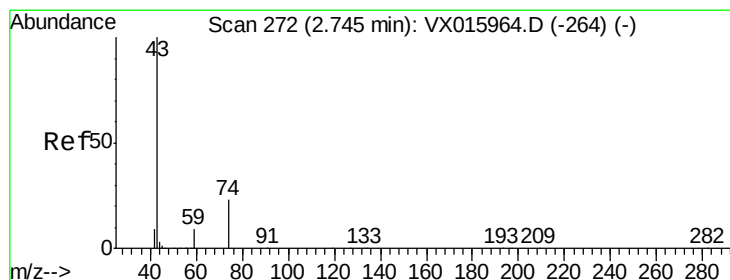
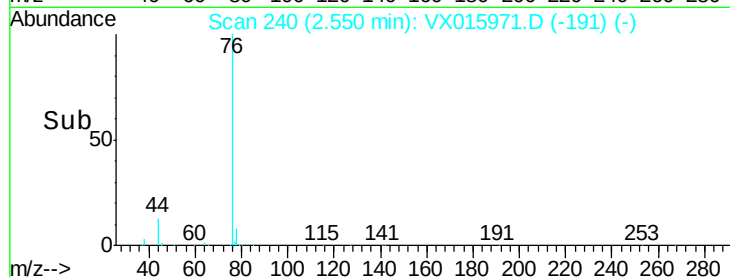
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.708 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX015971.D

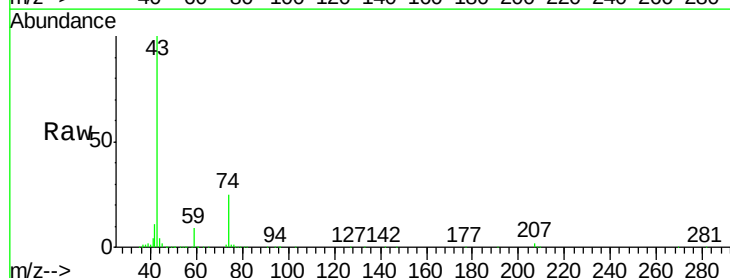
Acq: 29 Apr 2020 12:56

Tgt Ion: 43 Resp: 80714

Ion Ratio Lower Upper

43 100

74 24.8 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

50000

40000

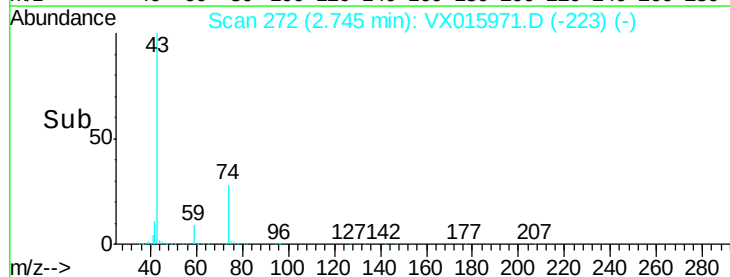
30000

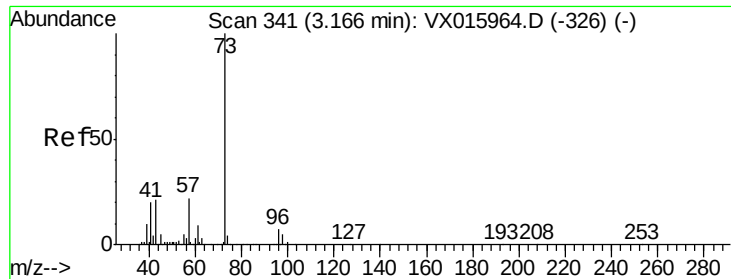
20000

10000

0

Time-->





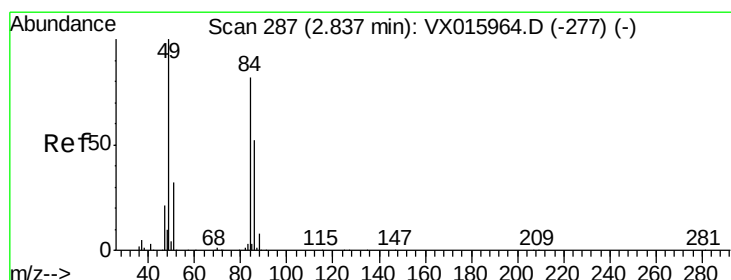
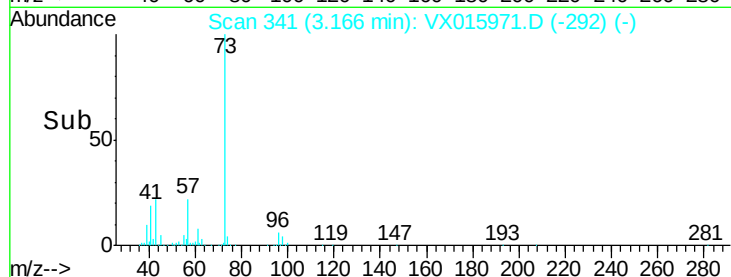
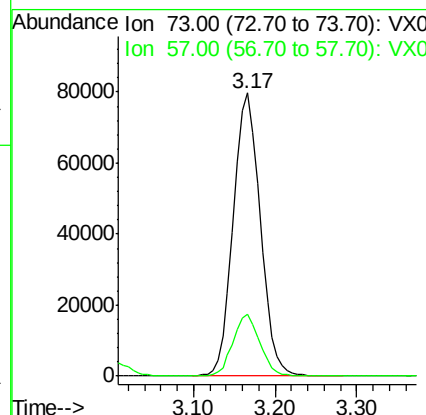
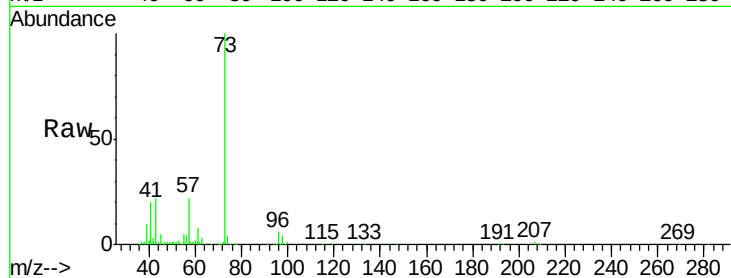
#19
Methyl tert-butyl Ether
Concen: 19.241 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	73	Resp	181064
Ion Ratio	100	Lower	Upper
73	100		
57	21.7	17.5	26.3

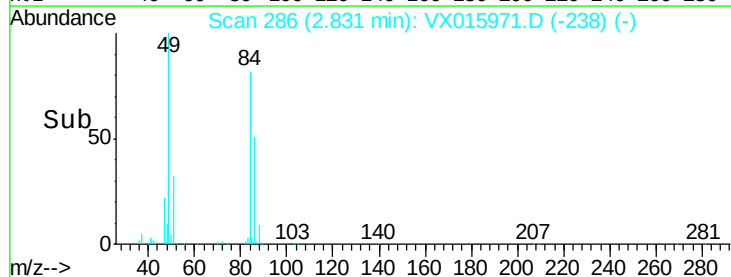
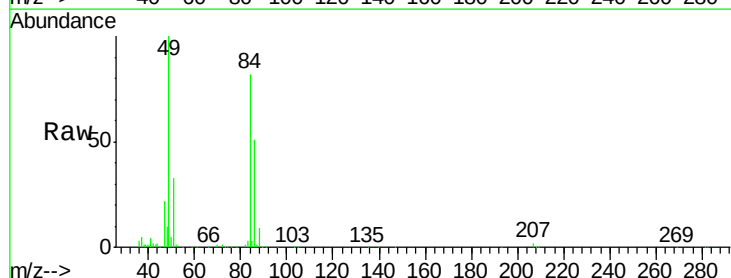
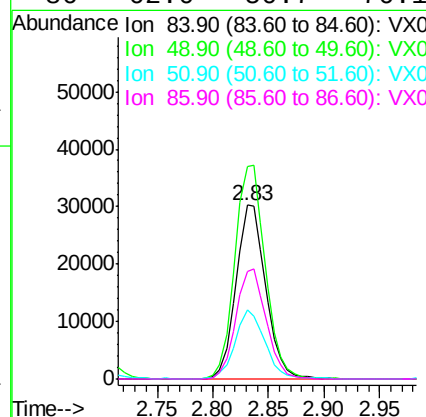
Manual Integrations
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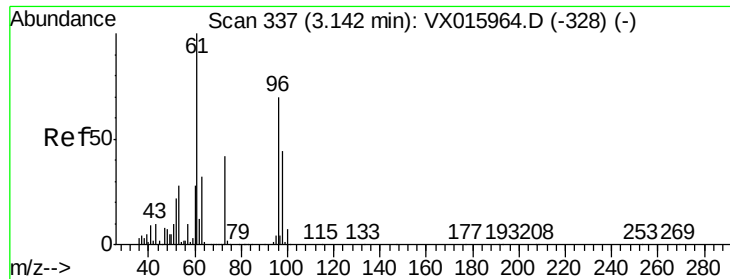
MMDadoda
4/30/2020 2:11:43 PM



#20
Methylene Chloride
Concen: 18.616 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	84	Resp	56032
Ion Ratio	100	Lower	Upper
84	100		
49	122.2	97.9	146.9
51	40.0	31.2	46.8
86	62.0	50.7	76.1





#21

trans-1,2-Dichloroethene

Concen: 18.240 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

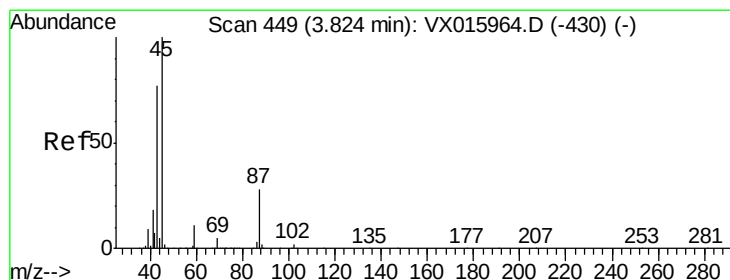
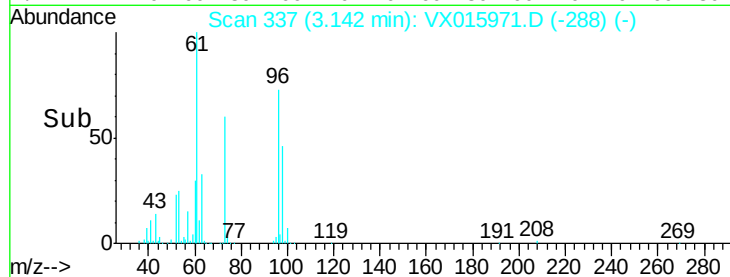
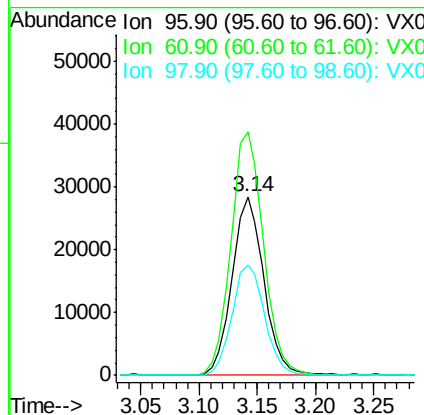
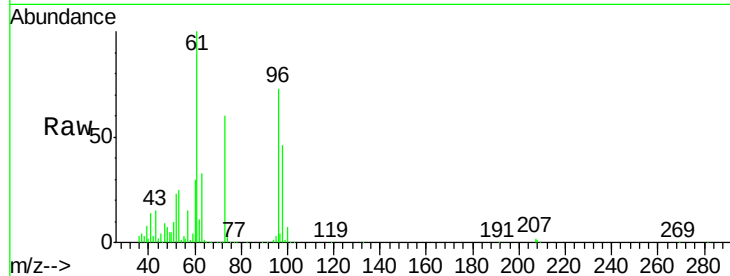
ClientSampleId :

VX0429WBS01

Tot Ion:	96	Resp:	53485
Ion	Ratio	Lower	Upper
96	100		
61	136.6	113.6	170.4
98	62.4	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.445 ug/l

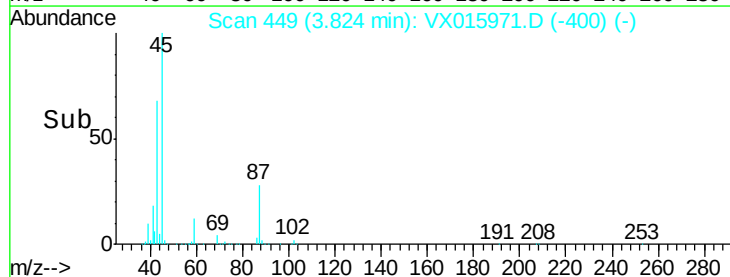
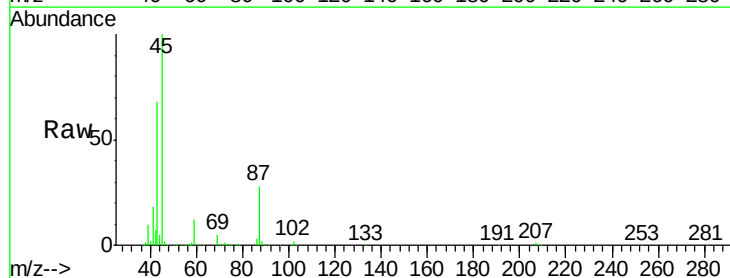
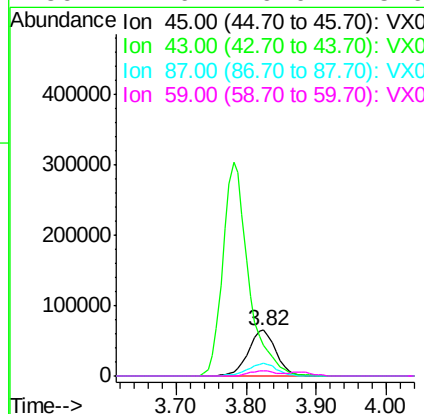
RT: 3.82 min Scan# 449

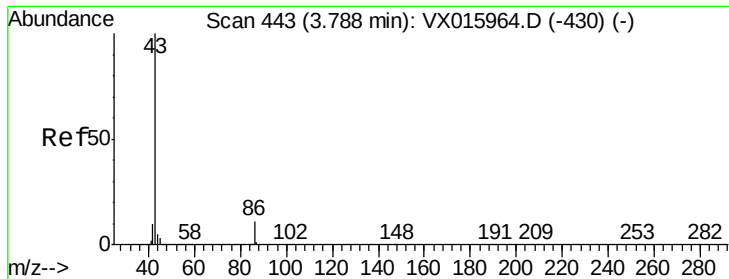
Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Tgt Ion:	45	Resp:	179352
Ion	Ratio	Lower	Upper
45	100		
43	67.6	61.3	91.9
87	28.5	22.6	33.8
59	11.6	9.0	13.6





#23

Vinyl Acetate

Concen: 96.877 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 43 Resp: 776221

Ion Ratio Lower Upper

43 100

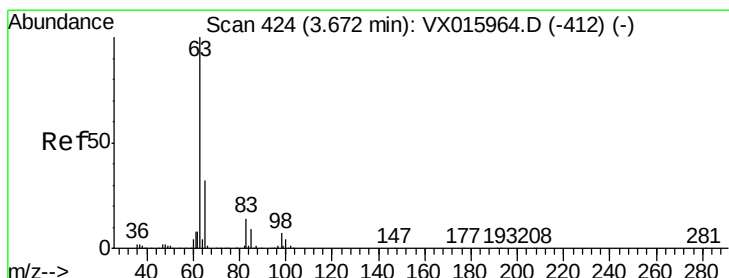
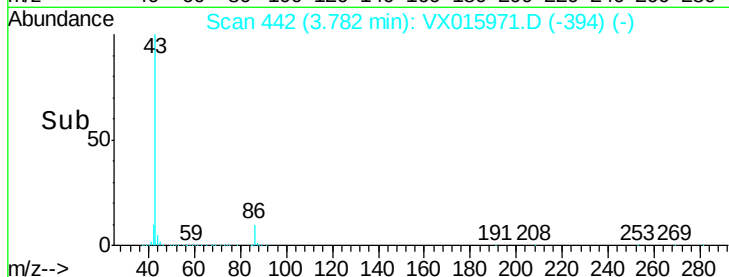
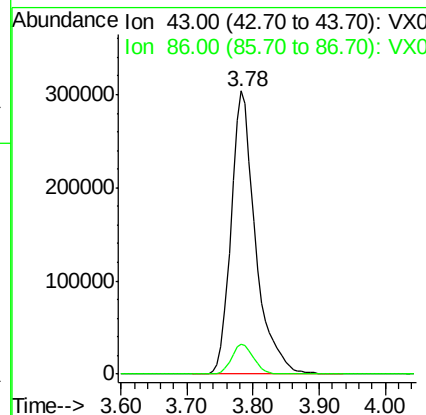
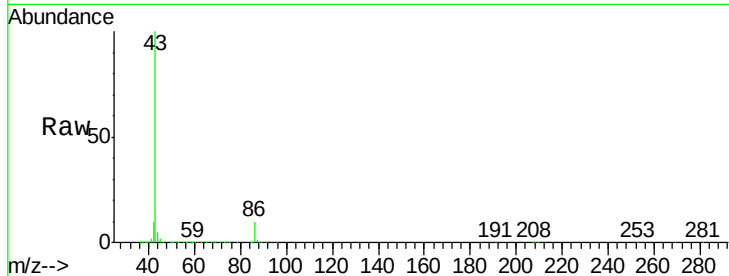
86 10.4 8.9 13.3

Manual Integrations

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MMDadoda

4/30/2020 2:11:43 PM



#24

1,1-Dichloroethane

Concen: 19.398 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

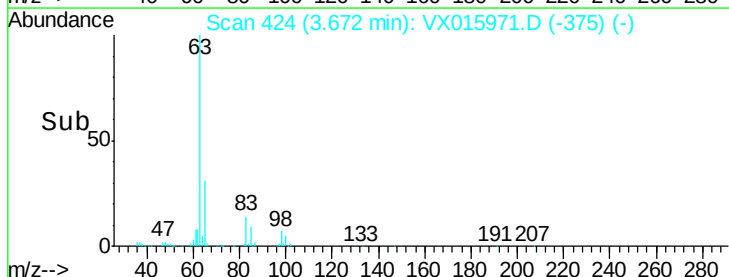
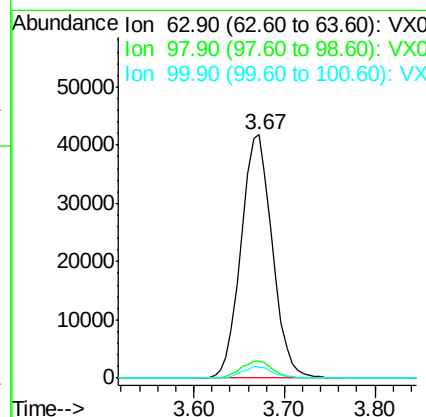
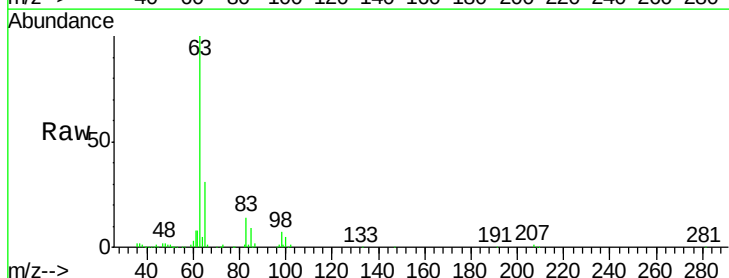
Tgt Ion: 63 Resp: 99672

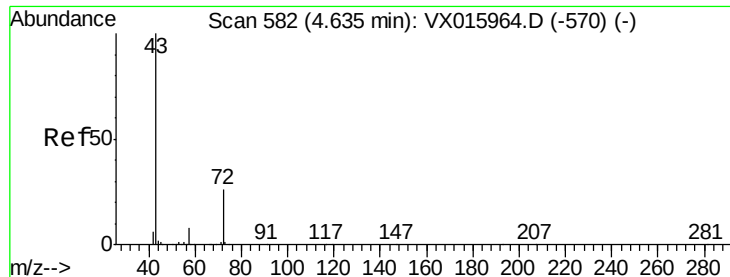
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 93.304 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 43 Resp: 229881

Ion Ratio Lower Upper

43 100

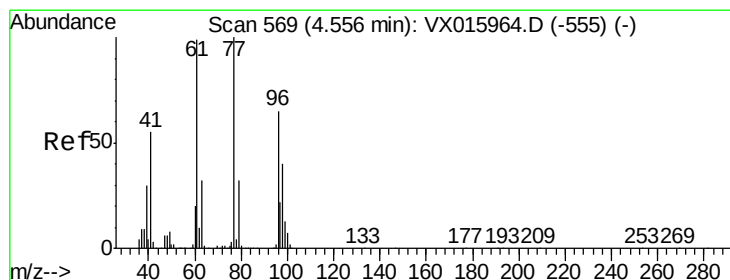
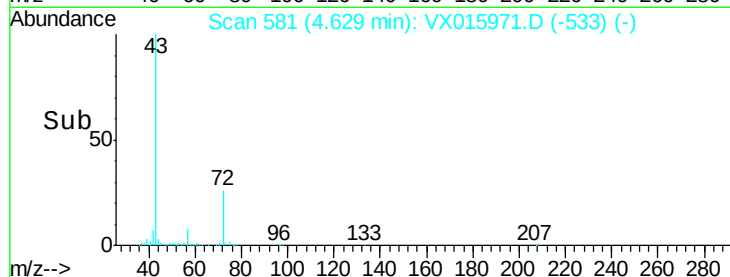
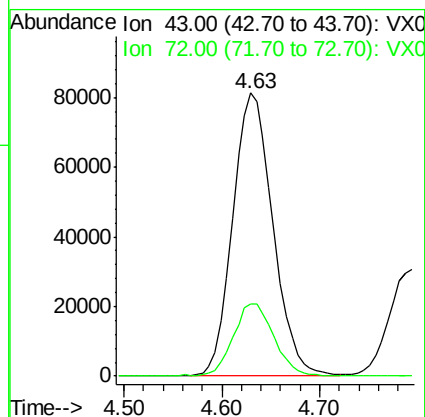
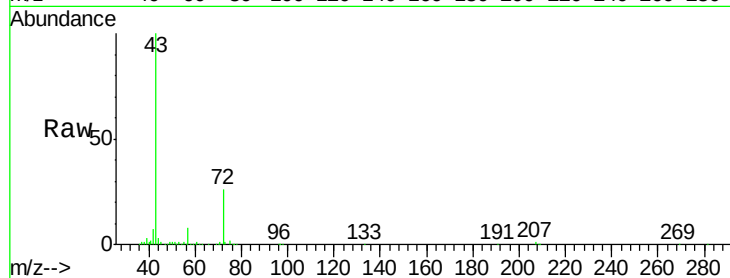
72 25.5 21.0 31.4

Manual Integrations

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MMDadoda

4/30/2020 2:11:43 PM



#26

2,2-Dichloropropane

Concen: 18.904 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX015971.D

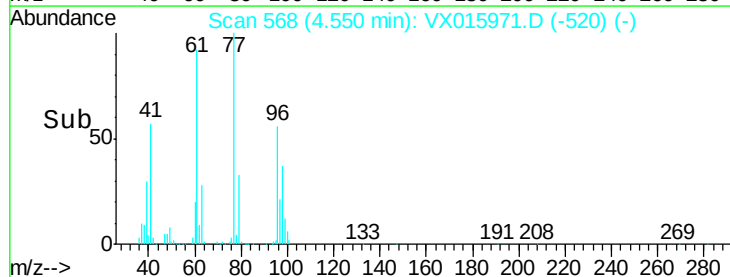
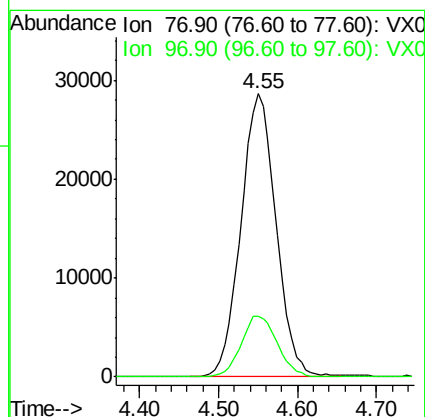
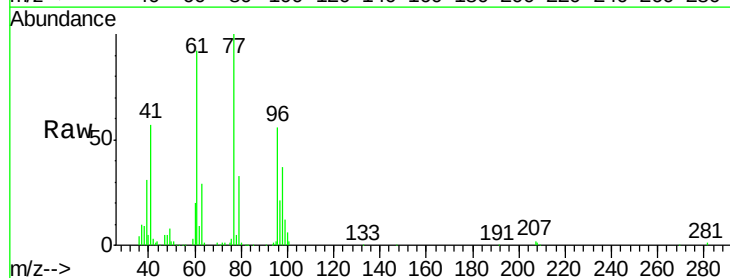
Acq: 29 Apr 2020 12:56

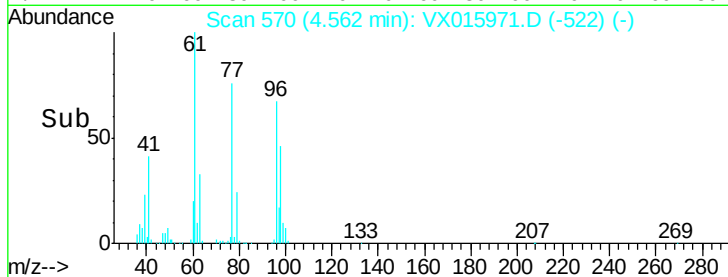
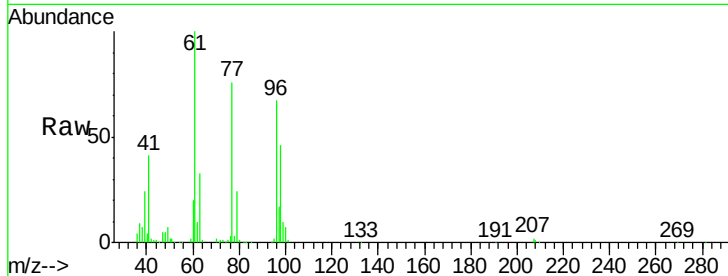
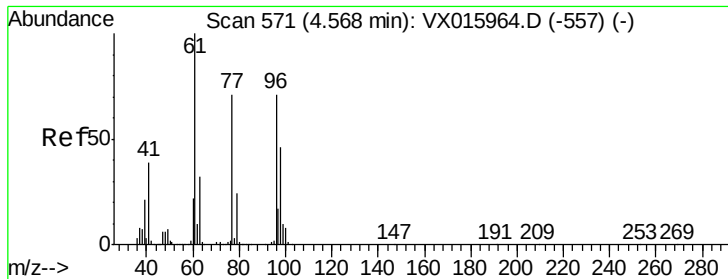
Tgt Ion: 77 Resp: 88813

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3





#27

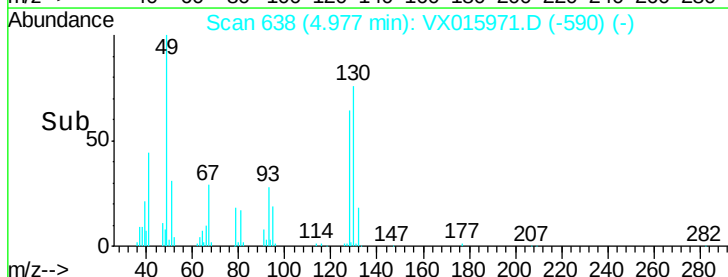
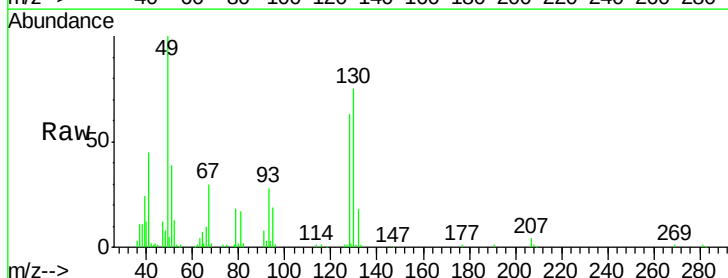
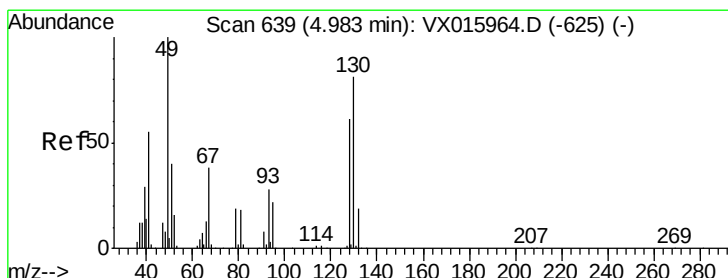
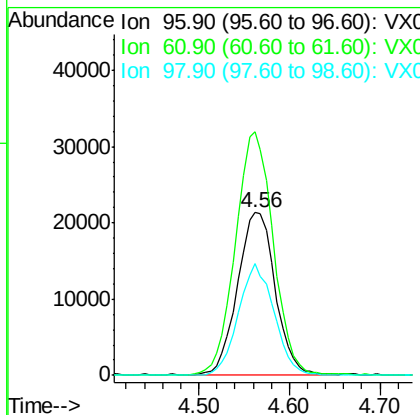
cis-1,2-Dichloroethene
Concen: 18.306 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tot Ion	Ratio	Resp	Lower	Upper
96	100	60913		
61	150.9		0.0	294.2
98	65.5		0.0	127.4

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Manual Integrations
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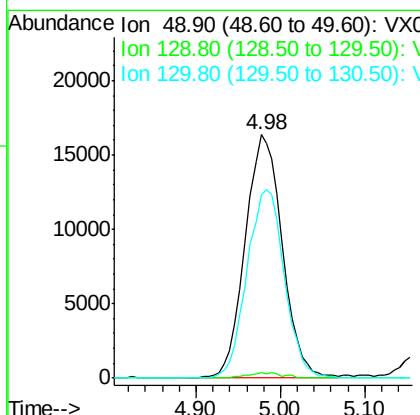
MMDadoda
4/30/2020 2:11:43 PM

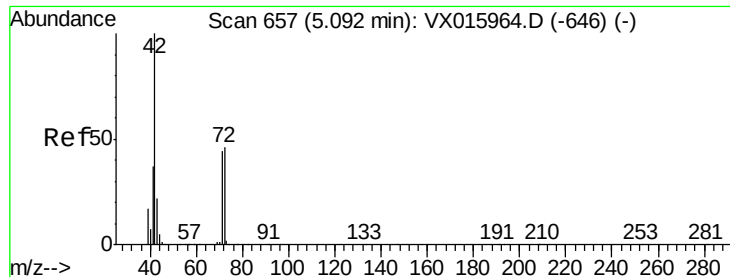


#28

Bromochloromethane
Concen: 19.764 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49141		
129	2.2		0.0	4.6
130	77.9		63.9	95.9





#29

Tetrahydrofuran

Concen: 92.636 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

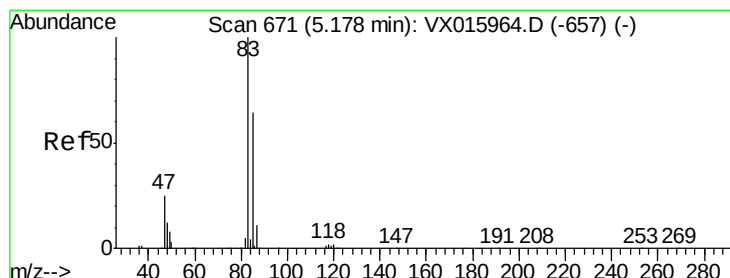
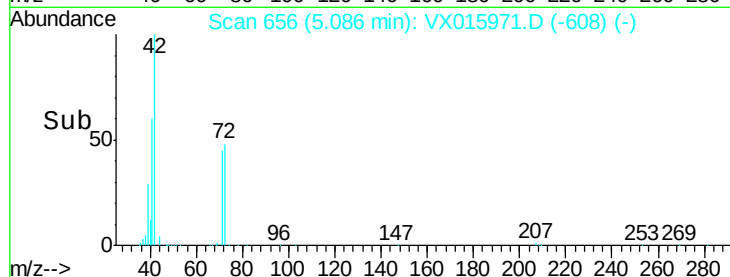
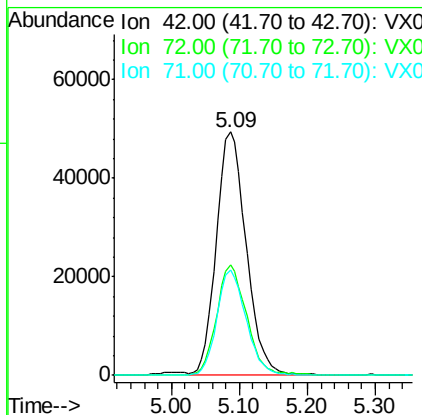
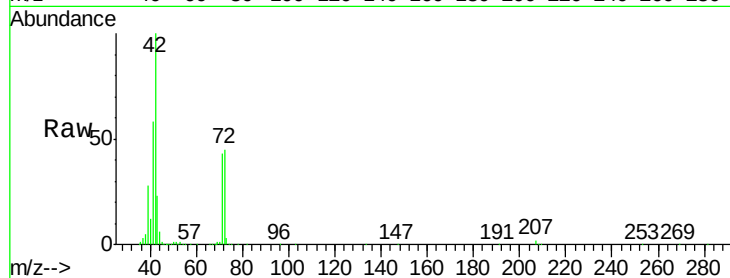
ClientSampleId :

VX0429WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.4	56.0
71	42.9	34.6	52.0

Manual Integrations
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#30

Chloroform

Concen: 18.855 ug/l

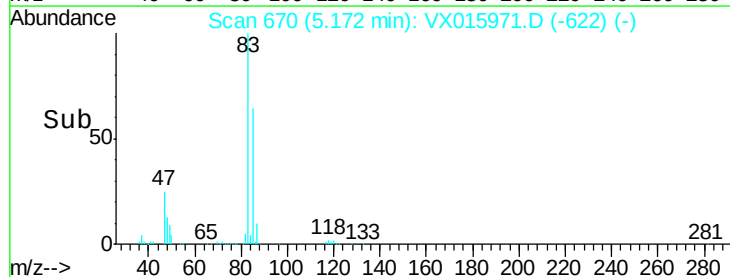
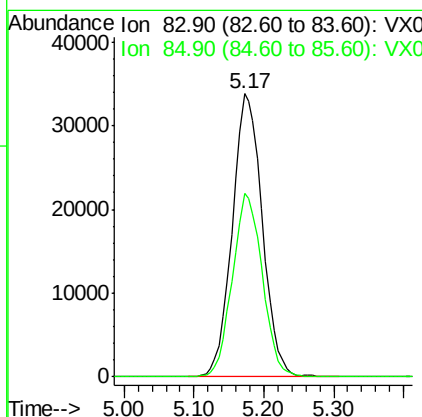
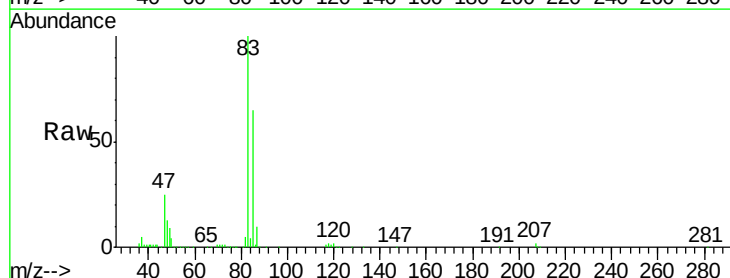
RT: 5.17 min Scan# 670

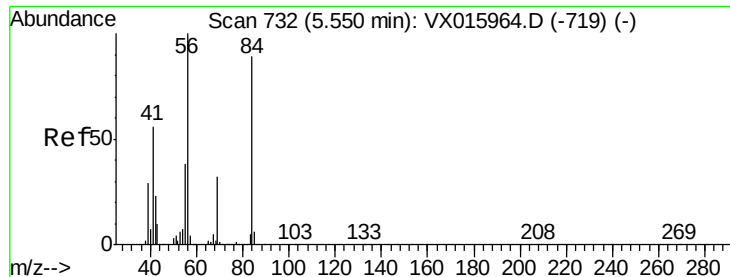
Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.0	76.4





#31

Cyclohexane

Concen: 19.537 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

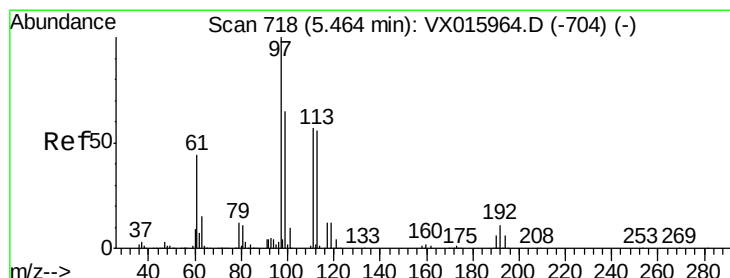
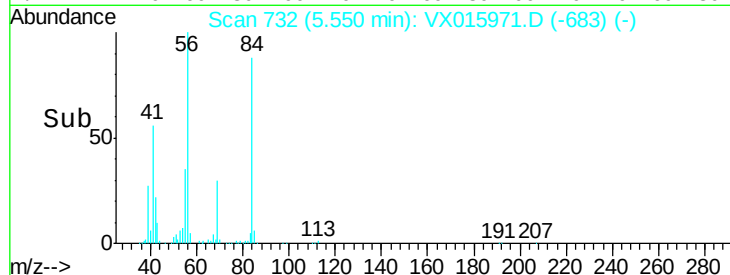
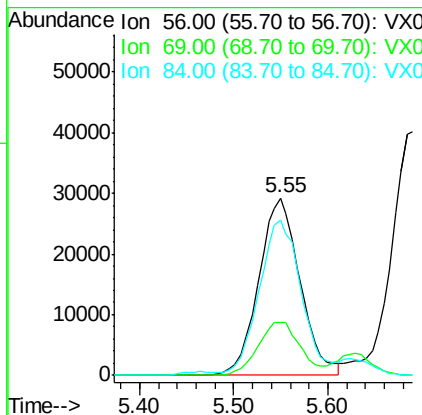
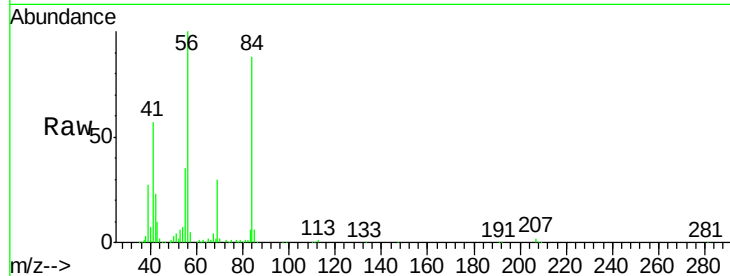
ClientSampleId :

VX0429WBS01

Tot Ion:	56	Resp:	89370
Ion	Ratio	Lower	Upper
56	100		
69	29.7	25.4	38.2
84	86.2	71.0	106.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.934 ug/l

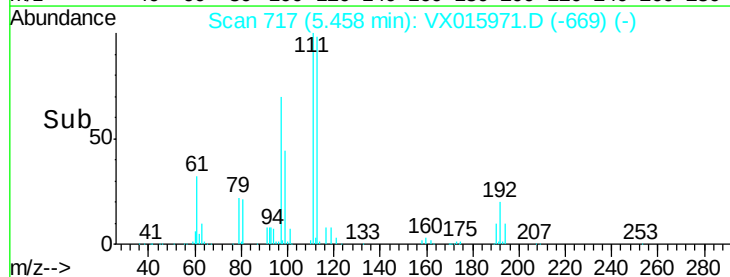
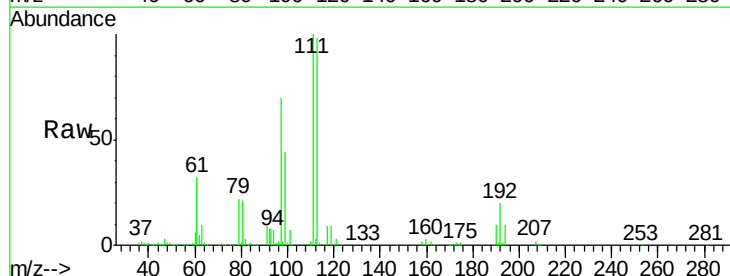
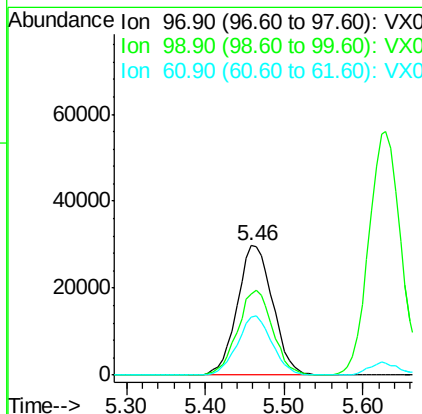
RT: 5.46 min Scan# 717

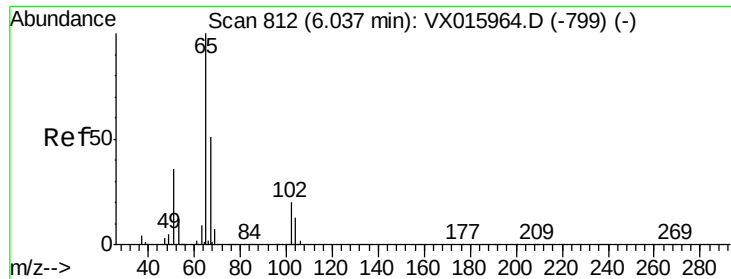
Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Tgt Ion:	97	Resp:	93146
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	45.0	35.7	53.5





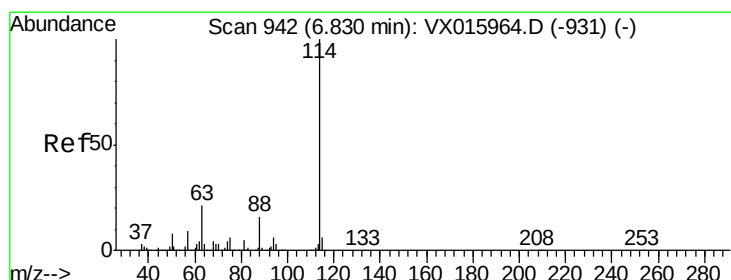
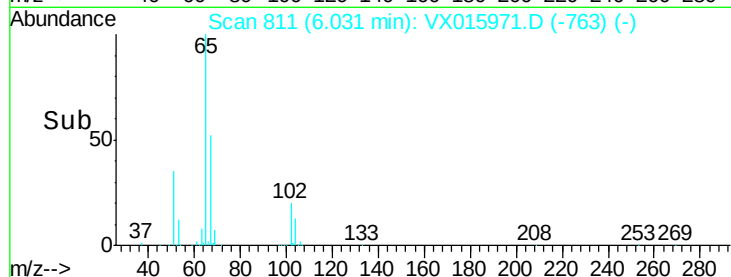
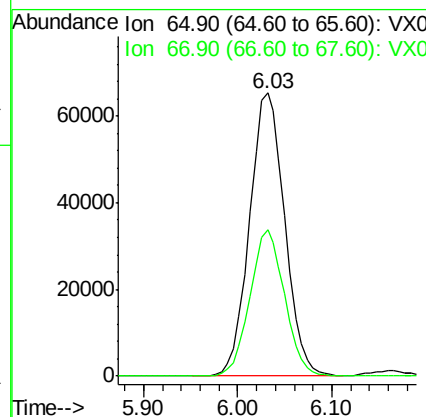
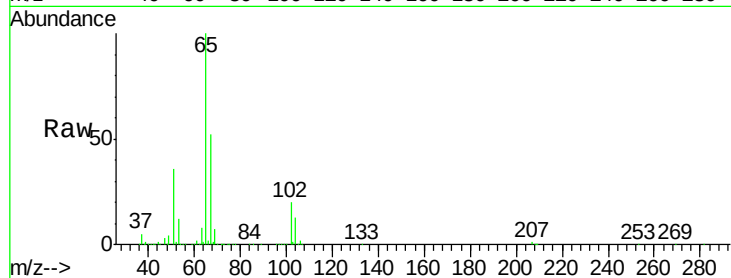
#33
 1,2-Dichloroethane-d4
 Concen: 48.149 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	171197		
67	51.1	0.0	102.4	

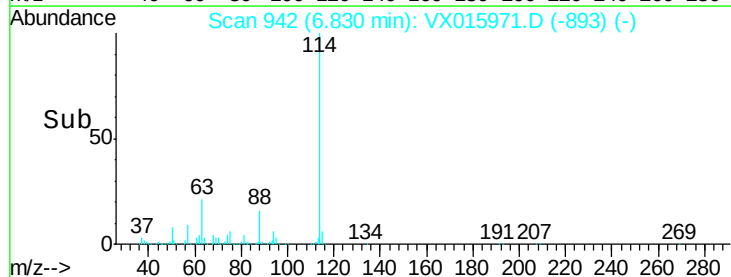
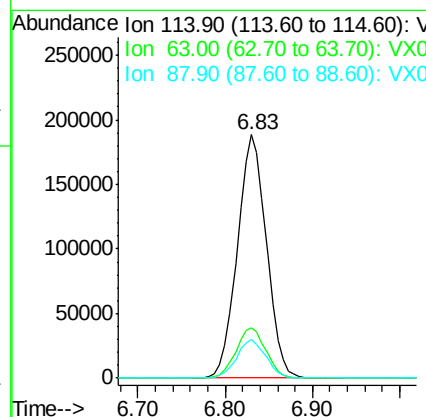
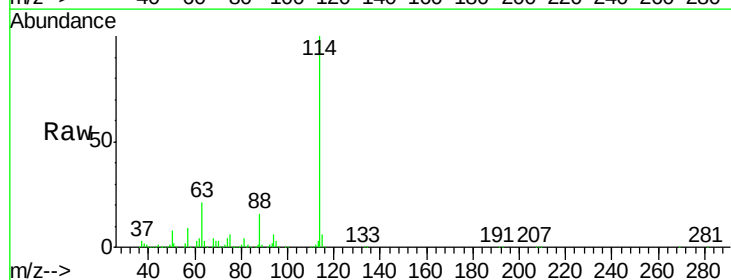
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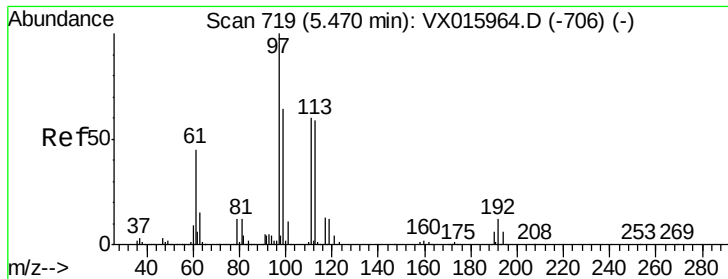
MMDadoda
 4/30/2020 2:11:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	435490		
63	20.7	0.0	41.2	
88	15.8	0.0	31.8	





#35

Dibromofluoromethane

Concen: 46.549 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

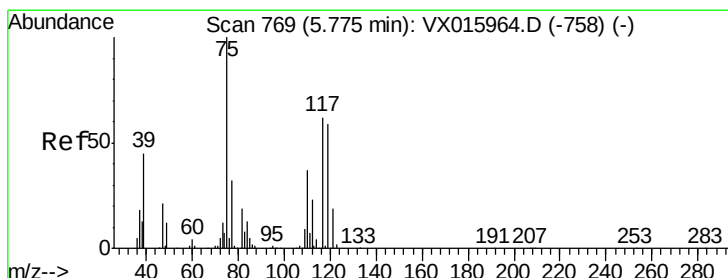
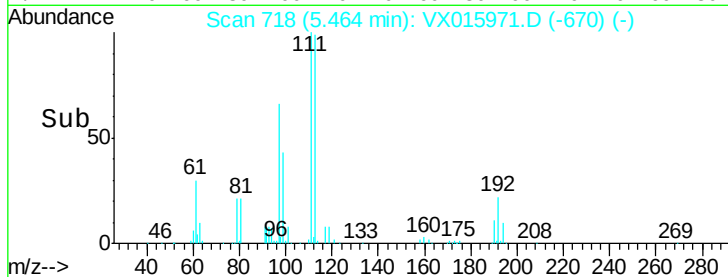
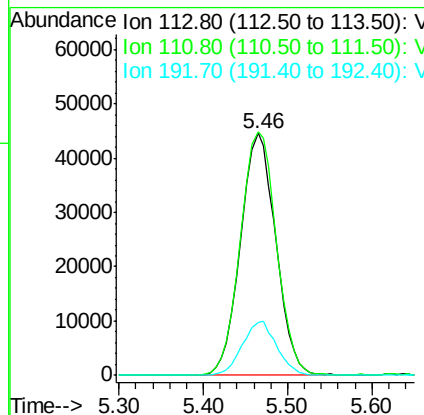
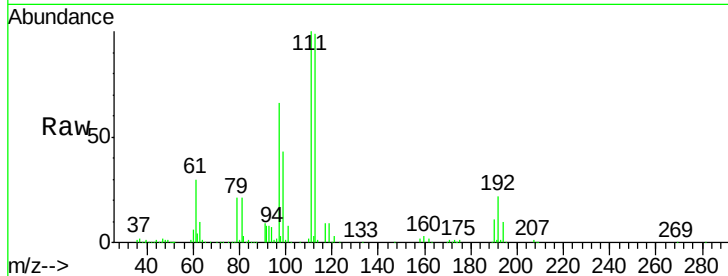
ClientSampleId :

VX0429WBS01

Tot Ion:	113	Resp:	126455
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.8	122.8
192	21.8	16.8	25.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.056 ug/l

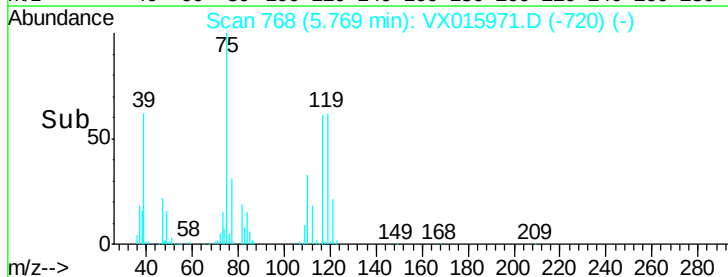
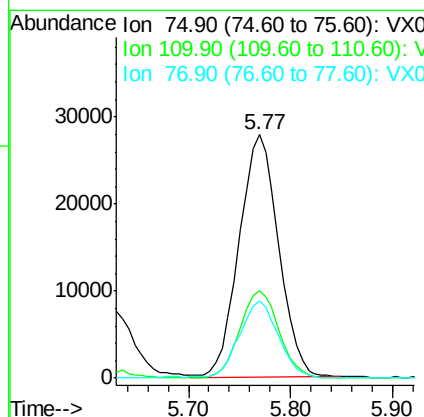
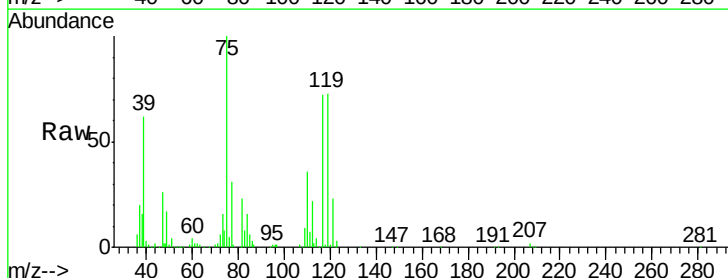
RT: 5.77 min Scan# 768

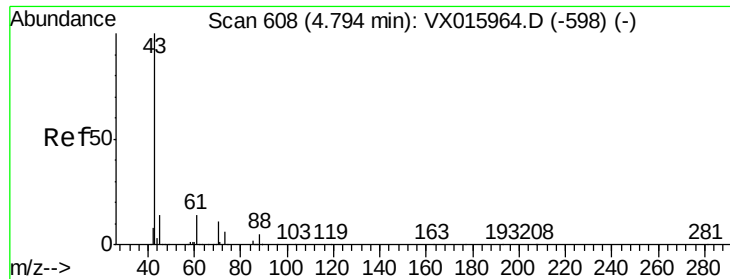
Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Tgt Ion:	75	Resp:	74891
Ion Ratio	Lower	Upper	
75	100		
110	35.8	17.9	53.7
77	31.0	25.2	37.8





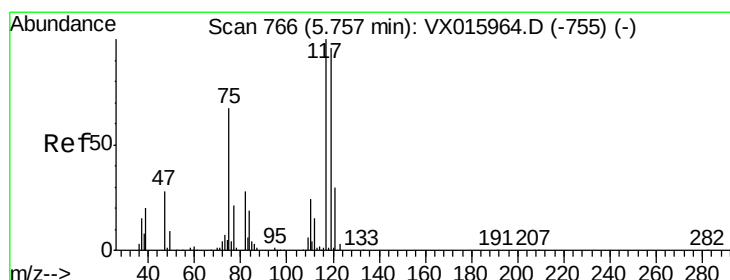
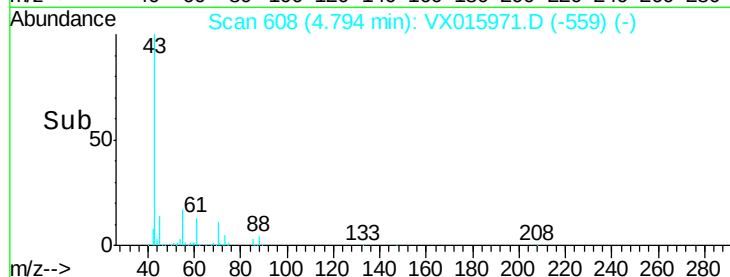
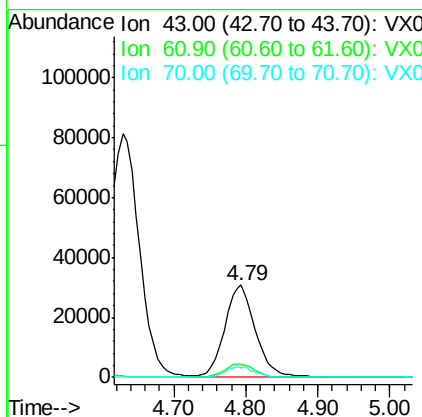
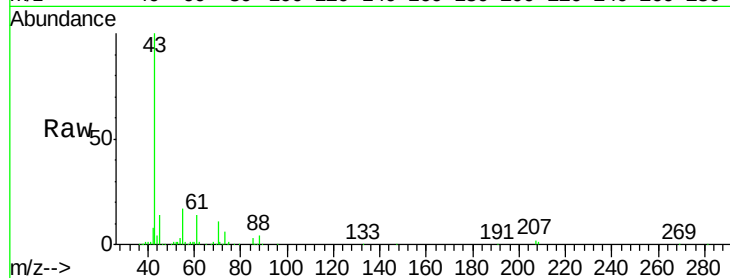
#37
Ethyl Acetate
Concen: 18.652 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.6	17.4
70	11.5	8.9	13.3

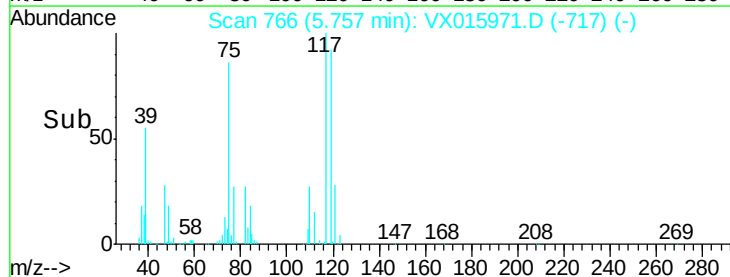
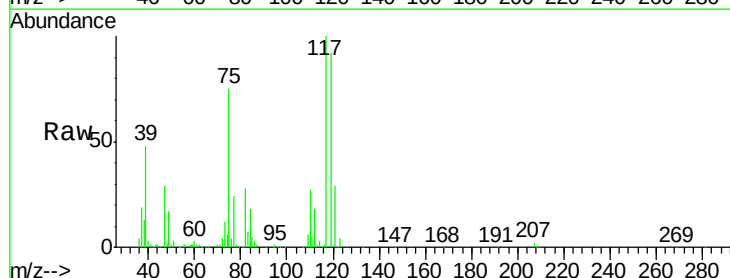
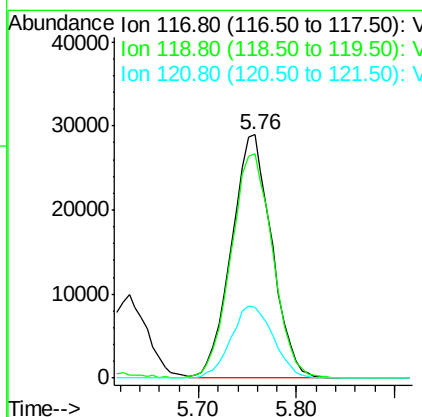
Manual Integrations
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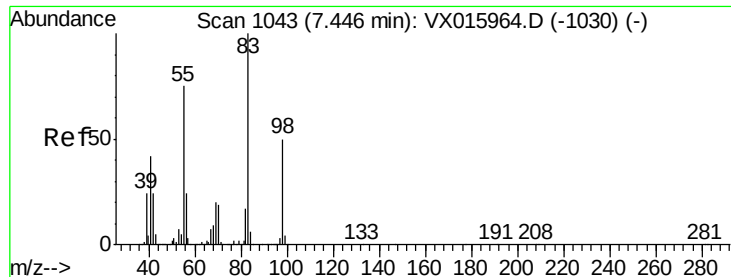
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.899 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	76.2	114.4
121	29.2	24.2	36.4





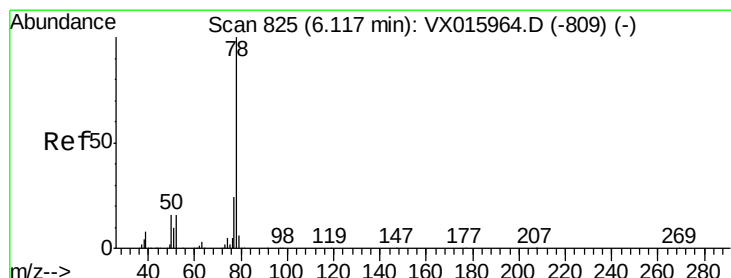
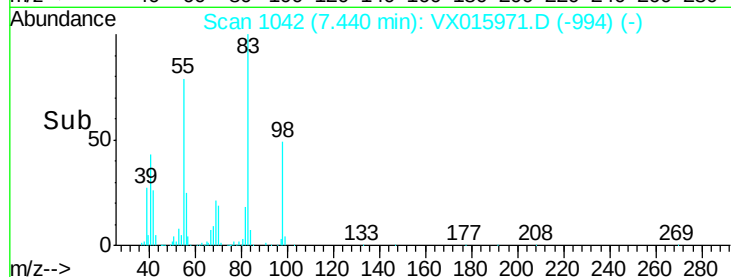
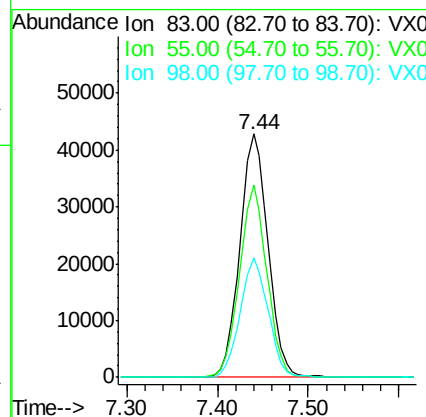
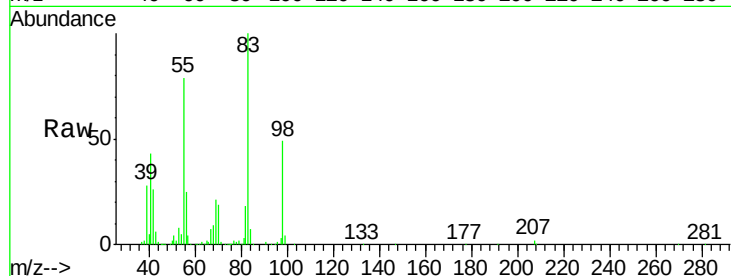
#39
Methylvlcyclohexane
Concen: 19.199 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	59.9	89.9
98	49.3	39.9	59.9

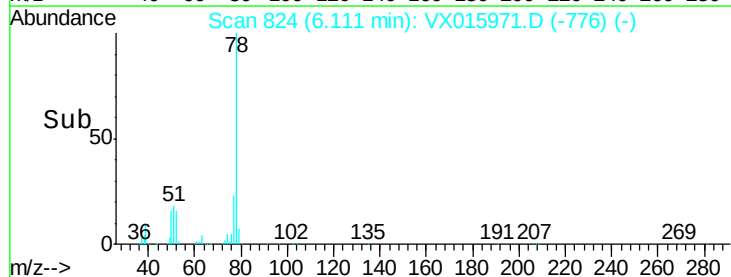
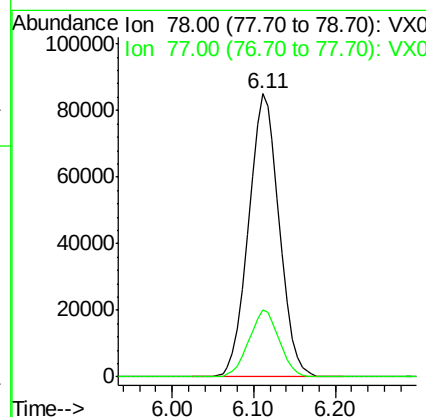
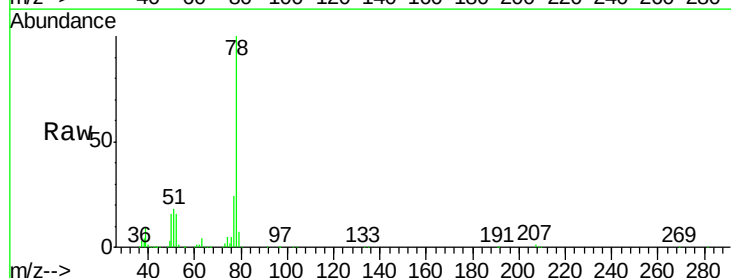
Manual Integrations
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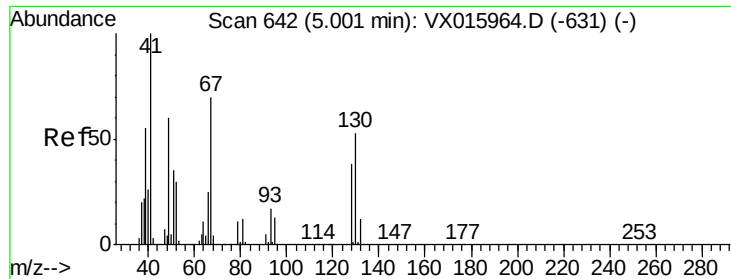
MMDadoda
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#40
Benzene
Concen: 18.714 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





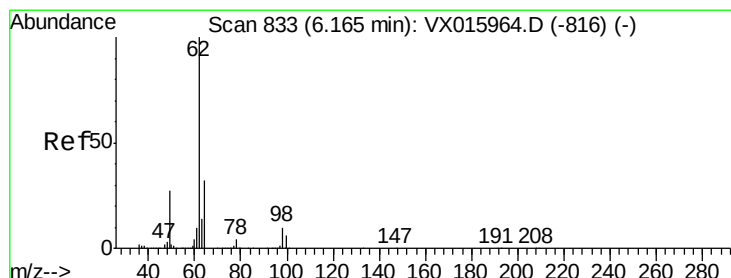
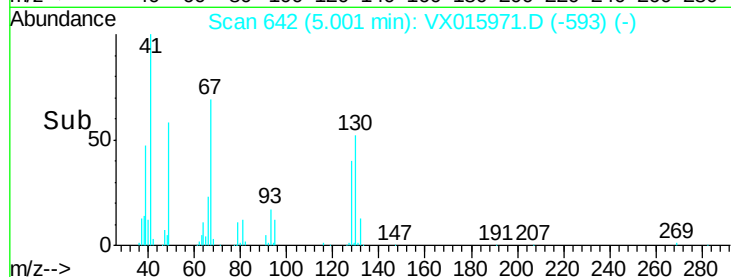
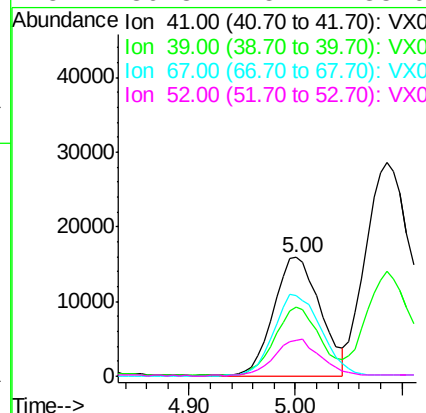
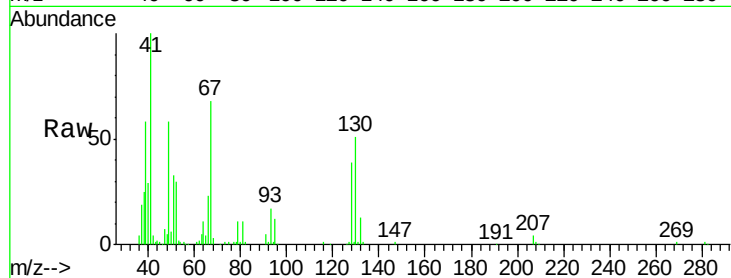
#41
Methacrylonitrile
Concen: 18.977 ug/l
RT: 5.00 min Scan# 642
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	45.2	67.8	
67	71.0	59.4	89.2	
52	30.8	25.4	38.0	

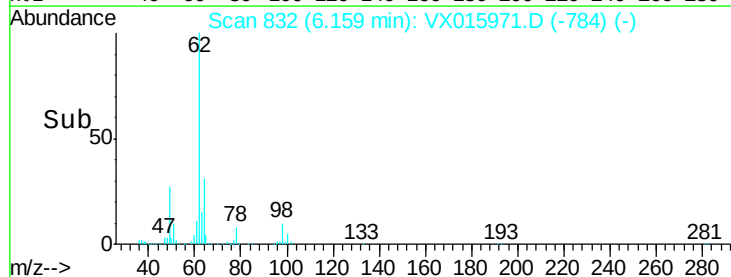
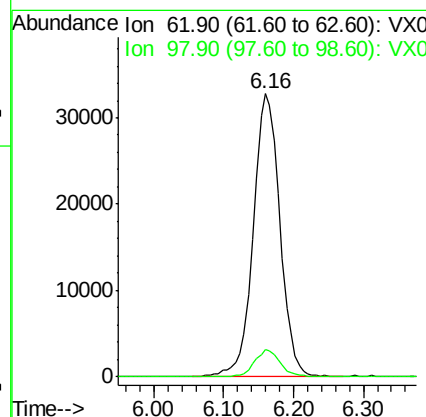
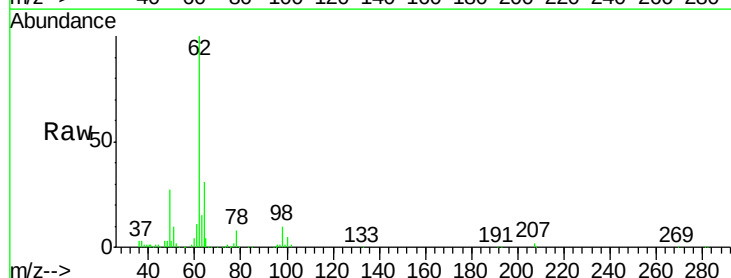
Manual Integrations
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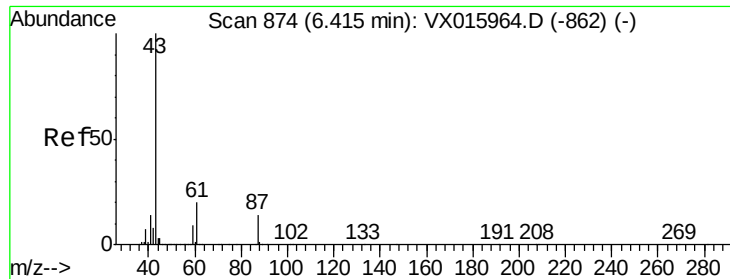
MMDadoda
4/30/2020 2:11:43 PM



#42
1,2-Dichloroethane
Concen: 18.955 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.4	





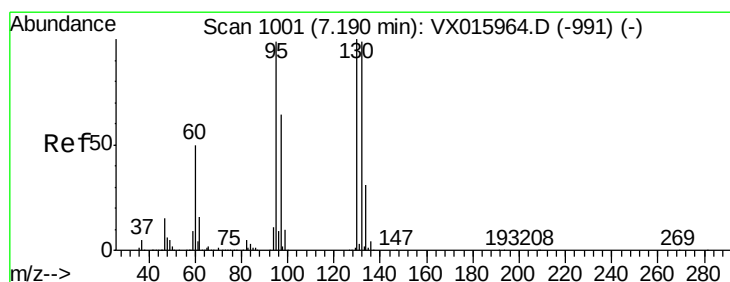
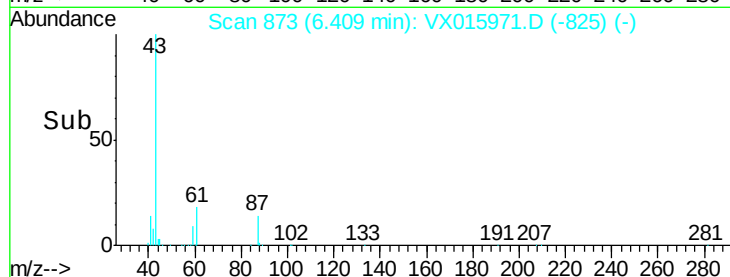
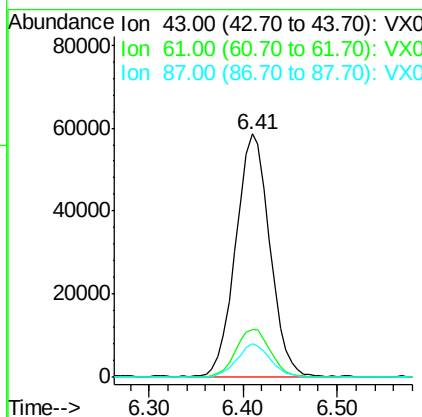
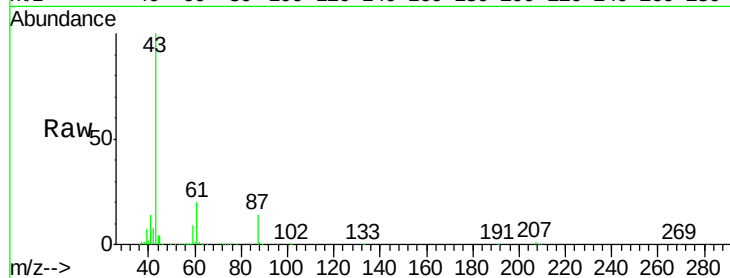
#43
Isopropyl Acetate
Concen: 18.513 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	145806		
61	20.4		16.1	24.1
87	13.7		10.9	16.3

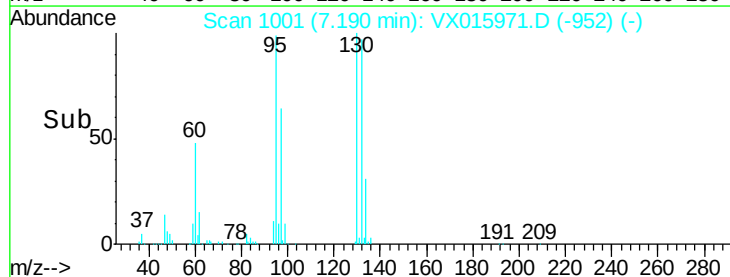
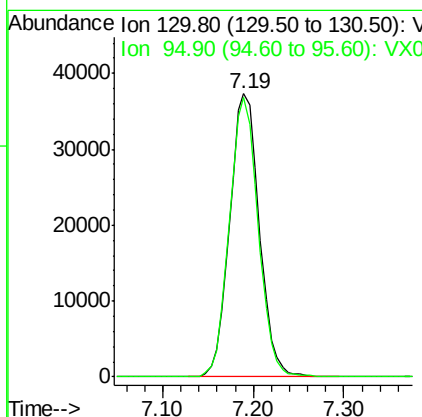
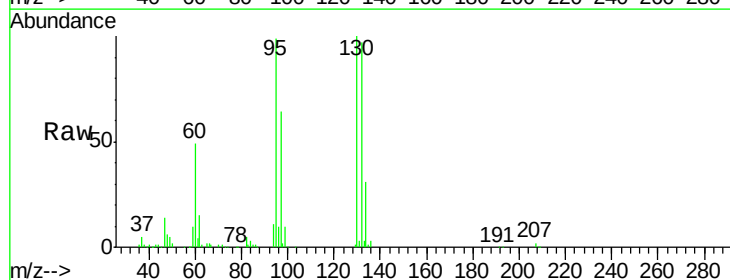
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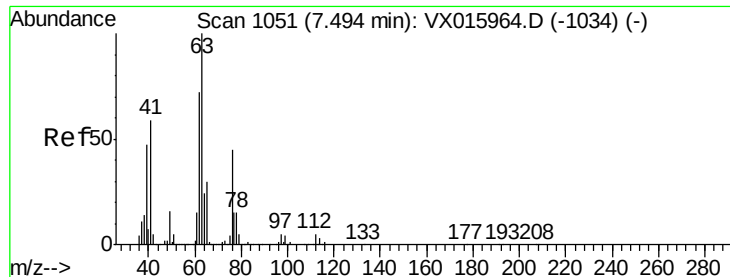
MMDadoda
4/30/2020 2:11:43 PM



#44
Trichloroethene
Concen: 19.805 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	84485		
95	98.8		0.0	197.4





#45

1,2-Dichloropropane

Concen: 18.700 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 63 Resp: 57196

Ion Ratio Lower Upper

63 100

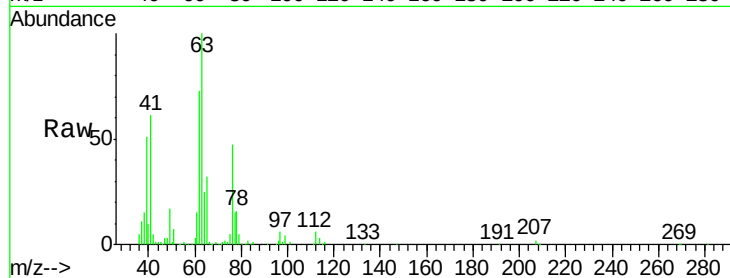
65 32.1 24.3 36.5

Manual Integrations

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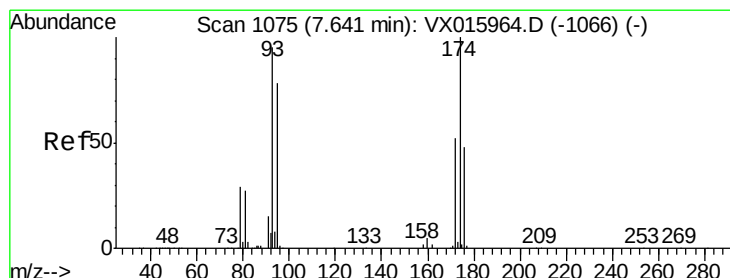
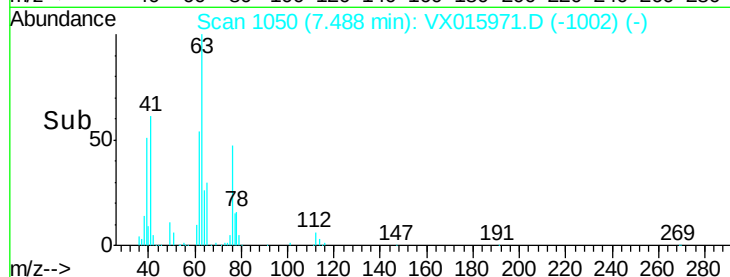
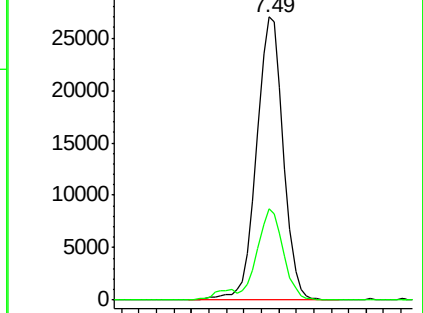
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.833 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

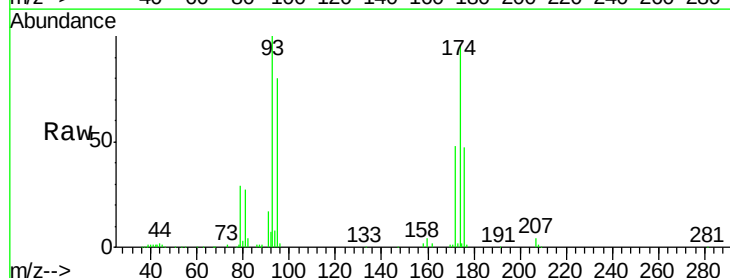
Tgt Ion: 93 Resp: 40931

Ion Ratio Lower Upper

93 100

95 81.3 65.5 98.3

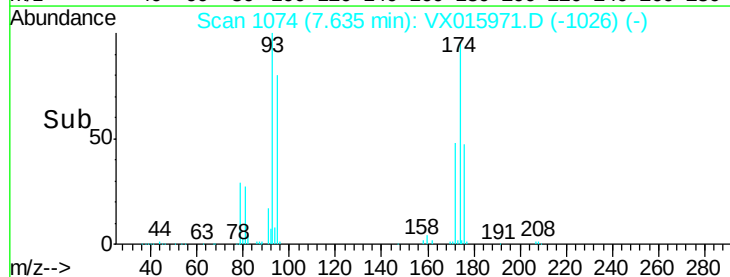
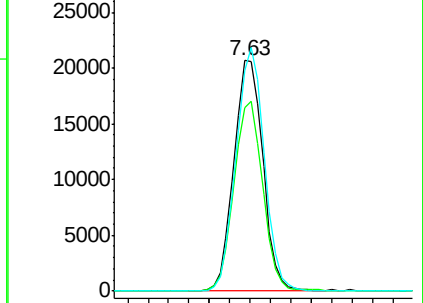
174 102.3 82.7 124.1

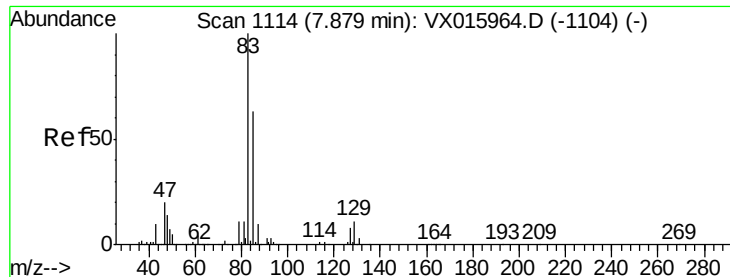


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.710 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

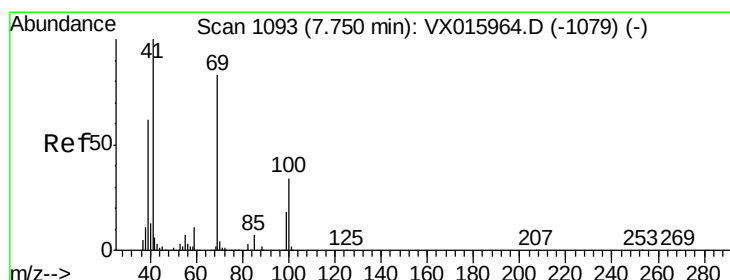
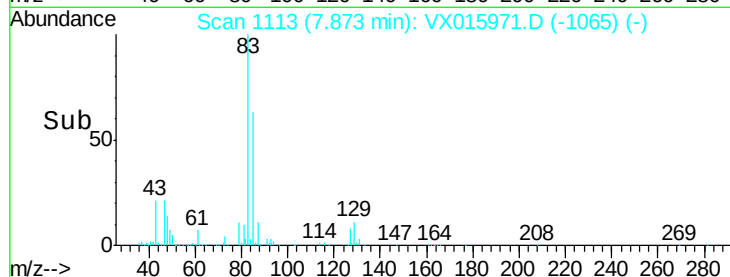
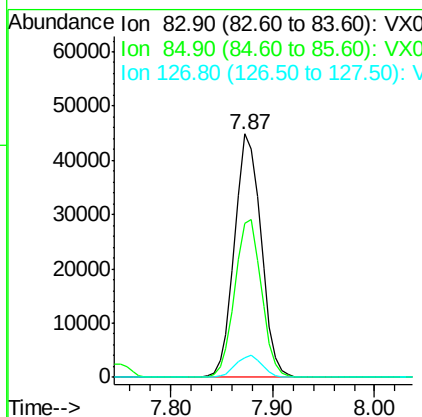
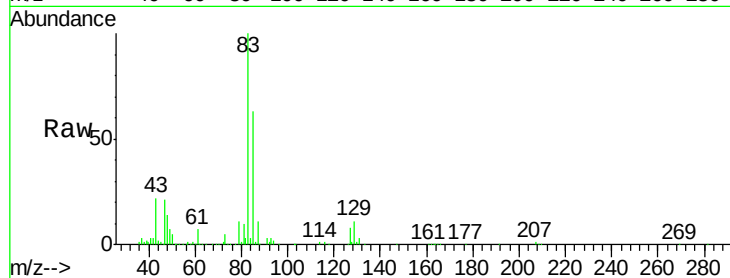
ClientSampleId :

VX0429WBS01

Tot Ion:	83	Resp:	80806
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.6	75.8
127	8.3	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.683 ug/l

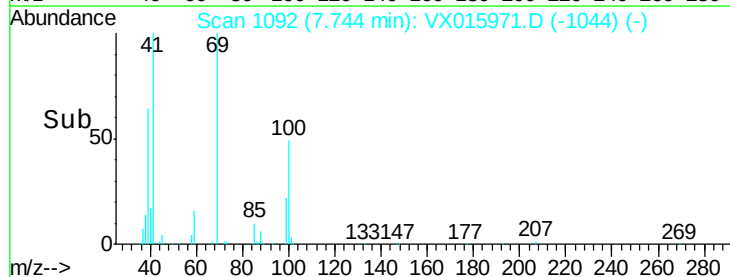
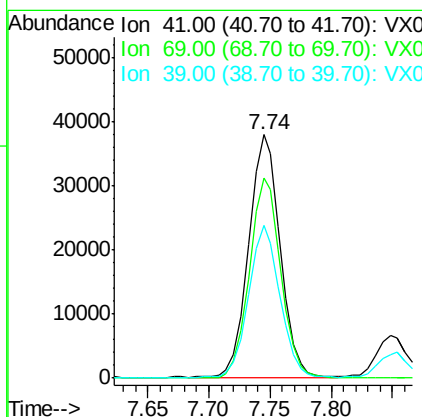
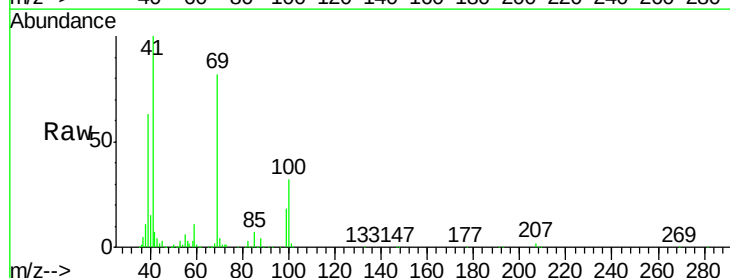
RT: 7.74 min Scan# 1092

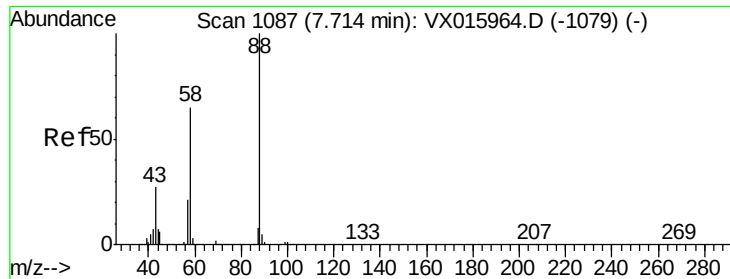
Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Tgt Ion:	41	Resp:	67937
Ion	Ratio	Lower	Upper
41	100		
69	82.2	66.0	99.0
39	62.0	49.0	73.4





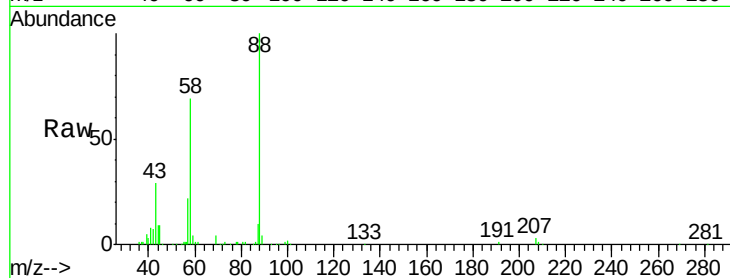
#49
1,4-Dioxane
Concen: 370.204 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.6	39.8
58	68.6	54.8	82.2

Manual Integrations
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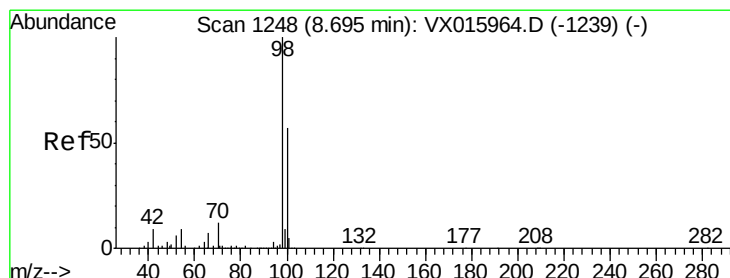
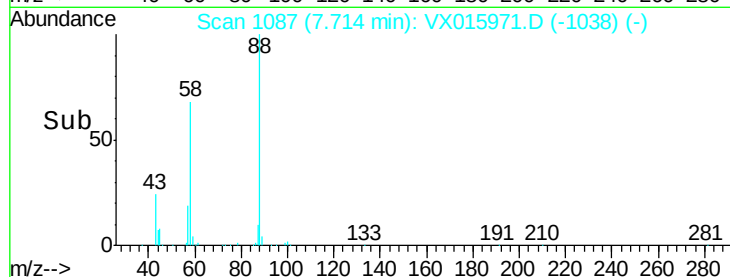
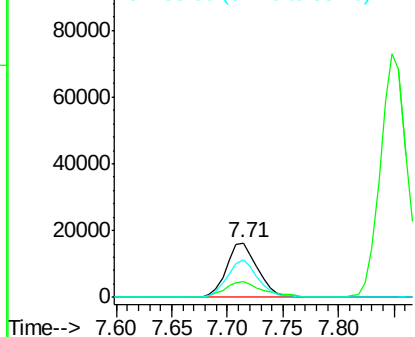


Abundance

Ion 88.00 (87.70 to 88.70): VX0

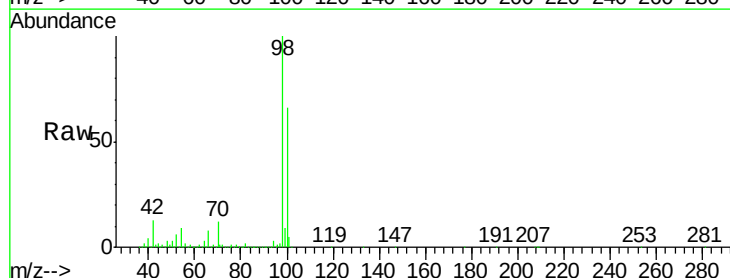
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 47.535 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

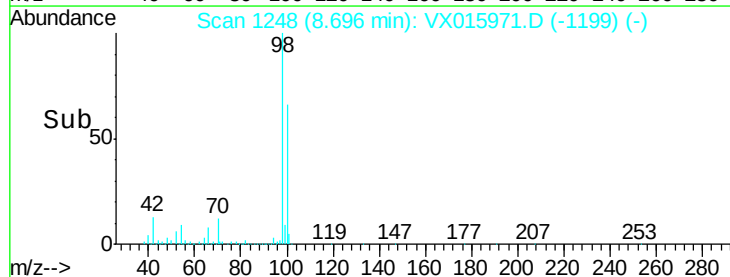
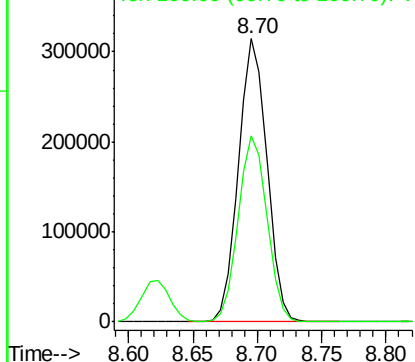
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.1	79.7

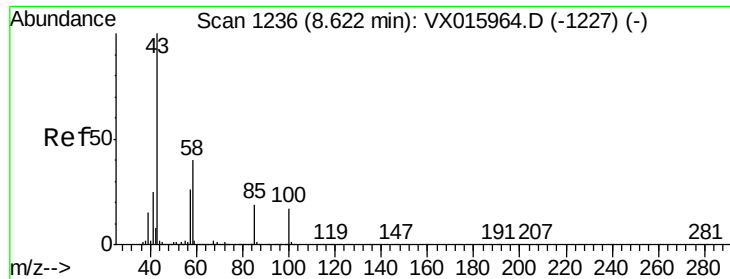


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





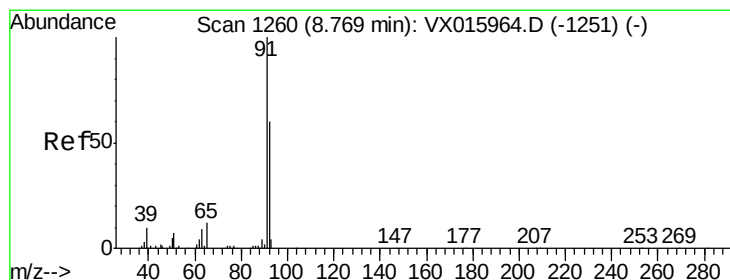
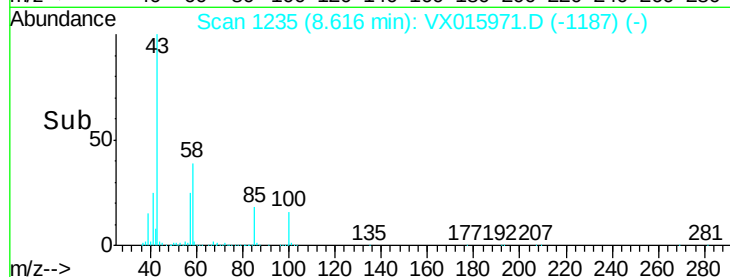
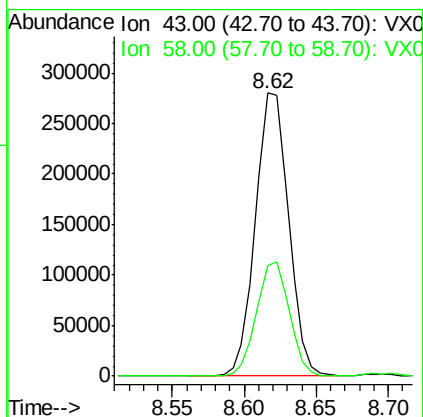
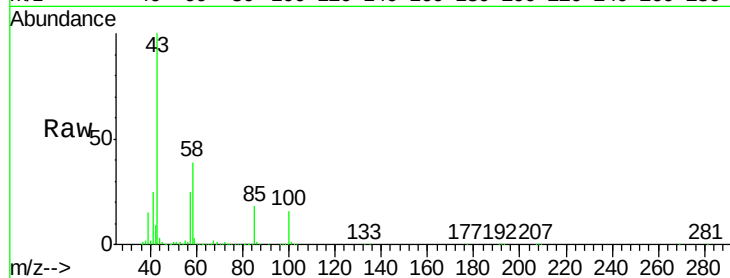
#51
4-Methyl-2-Pentanone
Concen: 93.128 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion: 43 Resp: 444896
Ion Ratio Lower Upper
43 100
58 40.0 32.0 48.0

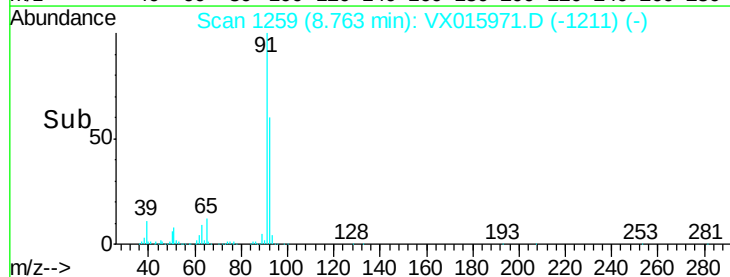
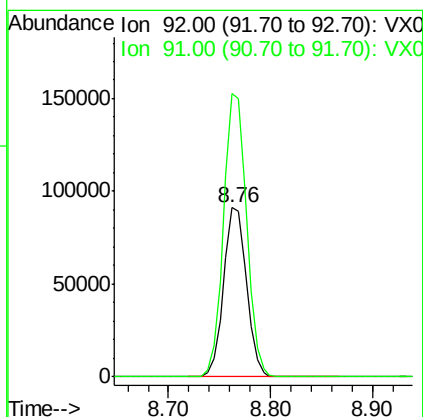
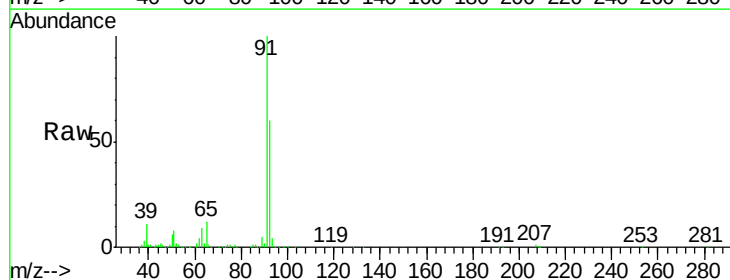
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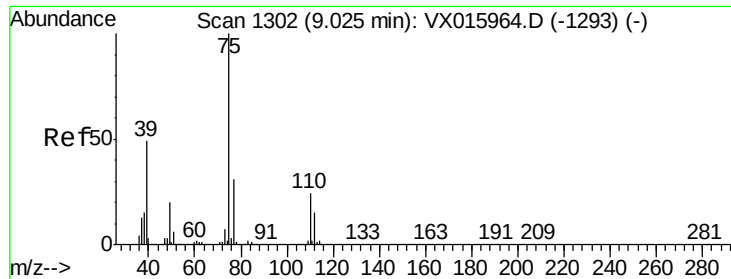
MMDadoda
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#52
Toluene
Concen: 18.987 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion: 92 Resp: 142639
Ion Ratio Lower Upper
92 100
91 167.3 134.6 202.0





#53

t-1,3-Dichloropropene

Concen: 18.348 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 75 Resp: 94024

Ion Ratio Lower Upper

75 100

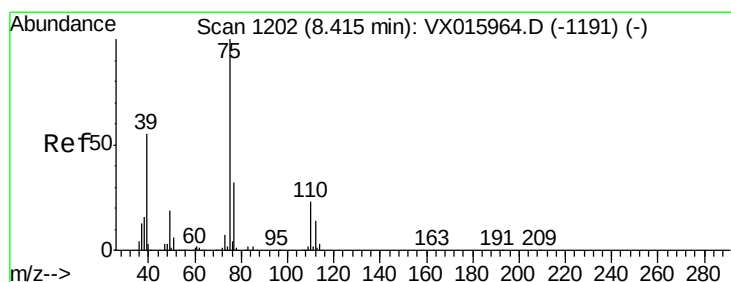
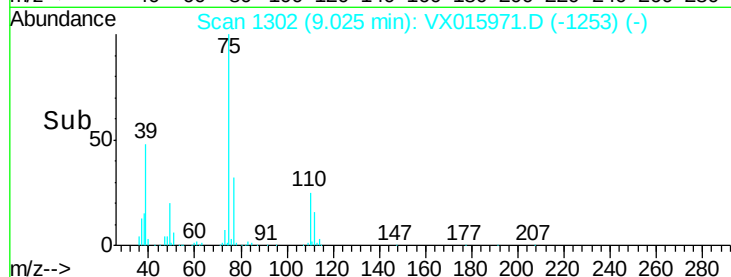
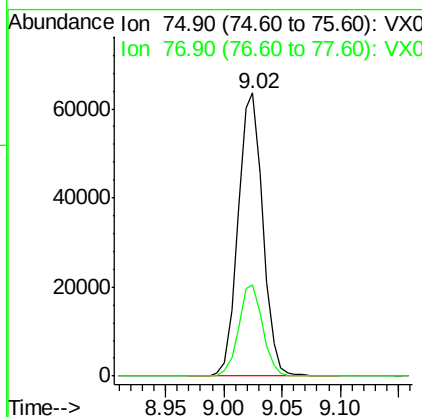
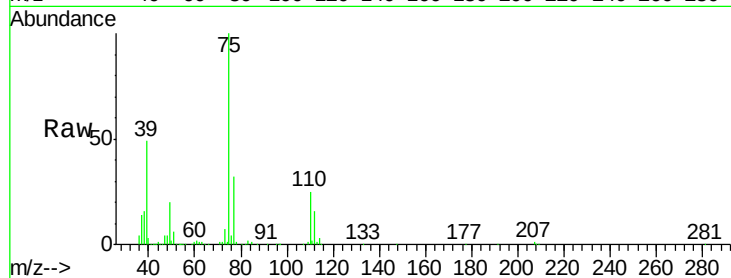
77 32.3 24.9 37.3

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#54

cis-1,3-Dichloropropene

Concen: 18.682 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

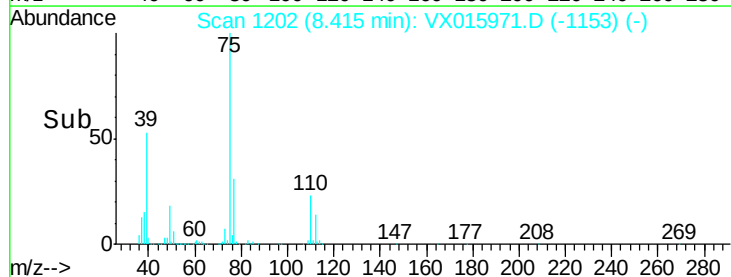
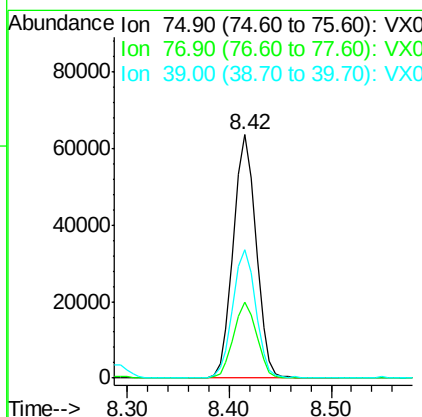
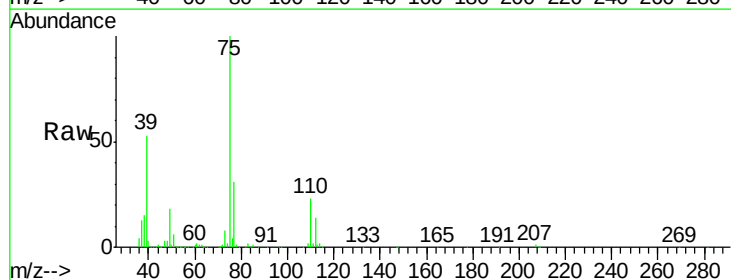
Tgt Ion: 75 Resp: 98462

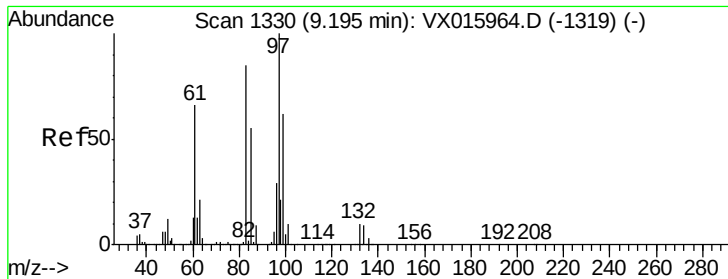
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 52.7 44.1 66.1





#55

1,1,2-Trichloroethane

Concen: 18.305 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

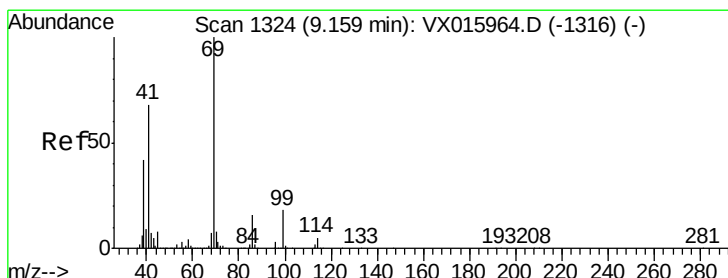
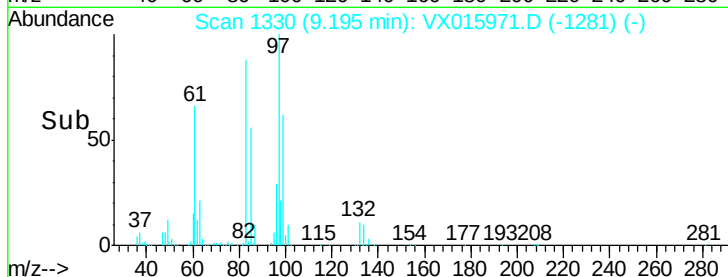
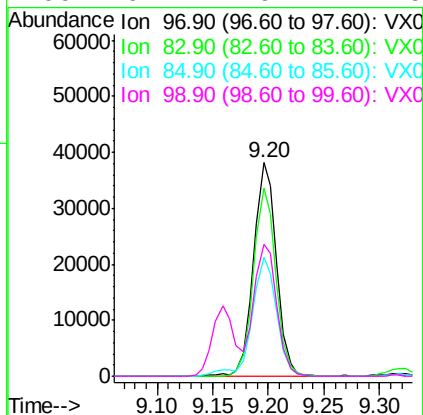
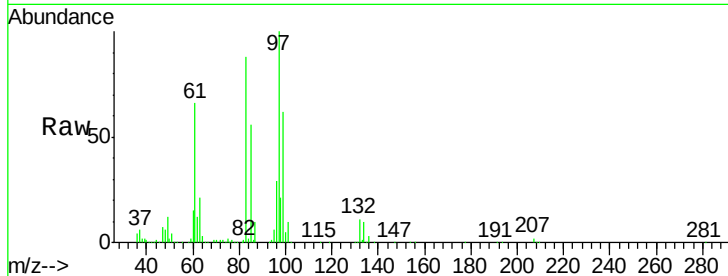
ClientSampleId :

VX0429WBS01

Tot Ion:	97	Resp:	54953
Ion	Ratio	Lower	Upper
97	100		
83	88.2	68.2	102.2
85	56.0	43.7	65.5
99	61.7	49.7	74.5

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#56

Ethyl methacrylate

Concen: 18.619 ug/l

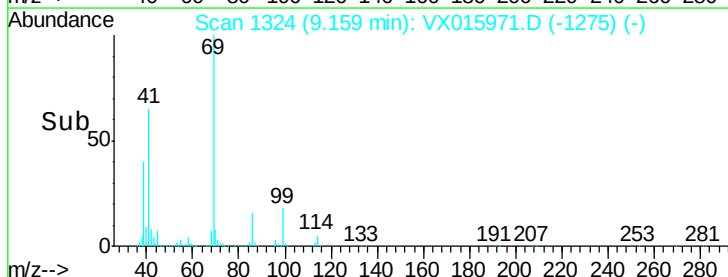
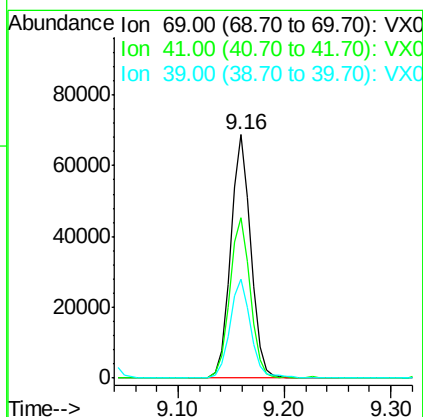
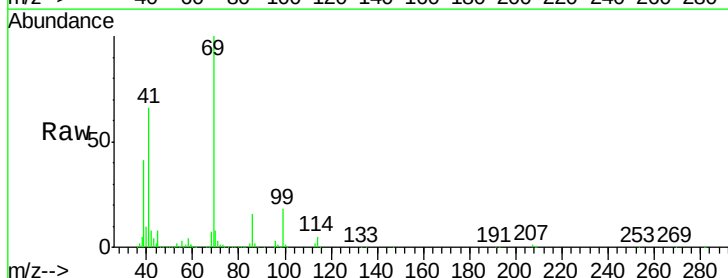
RT: 9.16 min Scan# 1324

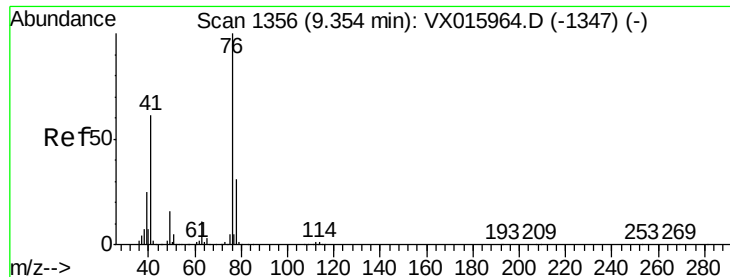
Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Tgt Ion:	69	Resp:	90889
Ion	Ratio	Lower	Upper
69	100		
41	66.9	53.5	80.3
39	41.5	33.4	50.0





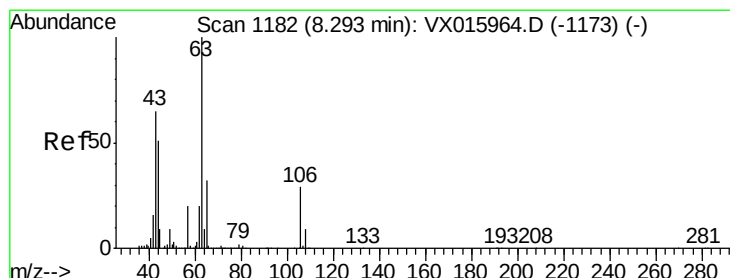
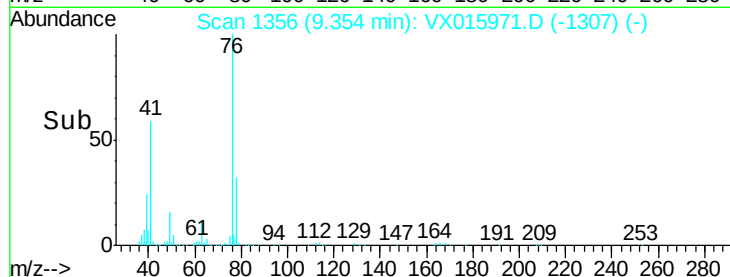
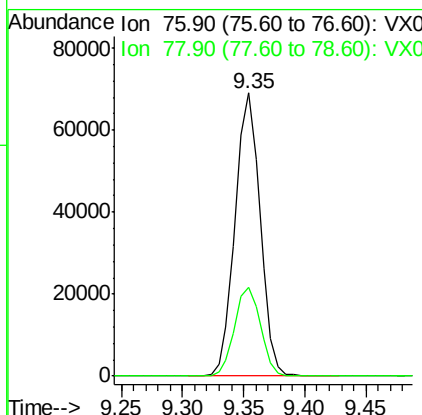
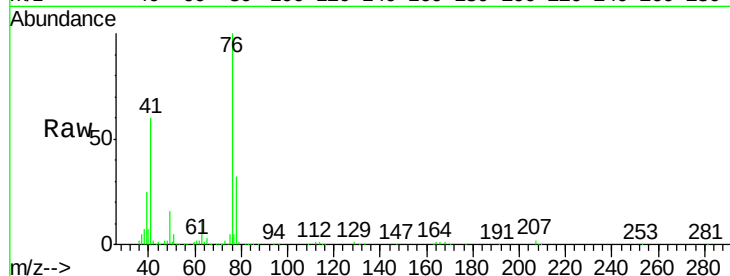
#57
 1,3-Dichloropropane
 Concen: 18.937 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.5	38.3

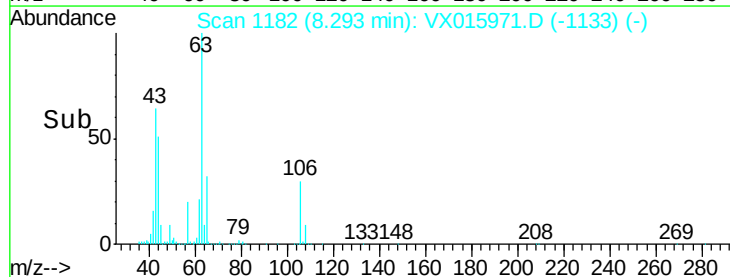
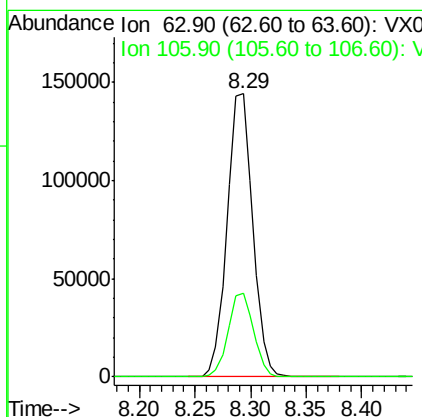
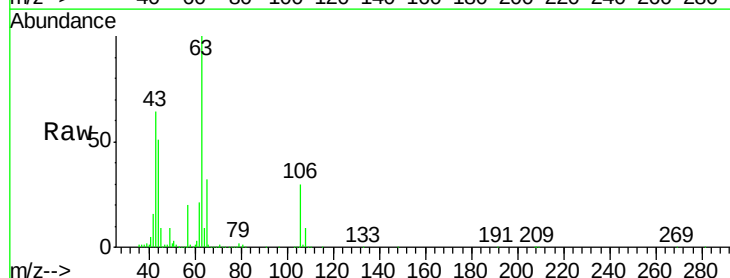
Manual Integrations
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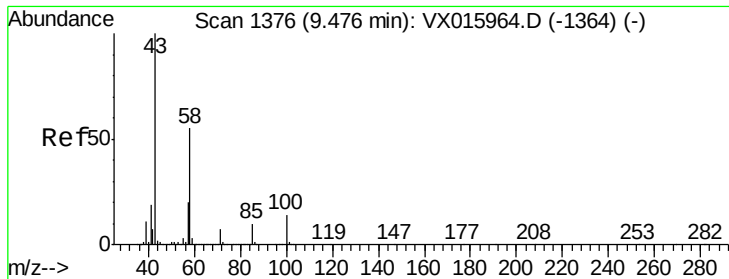
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 4/30/2020 2:11:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.273 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.6	35.4





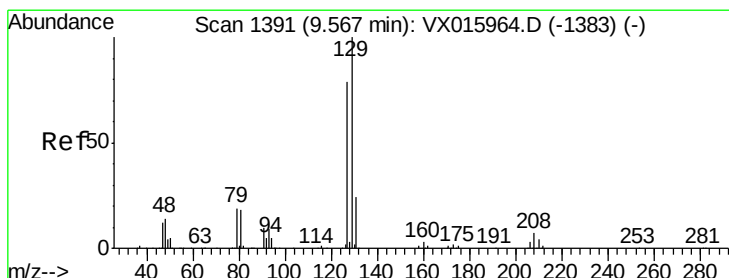
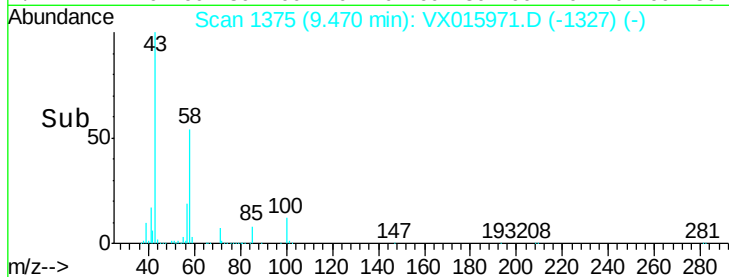
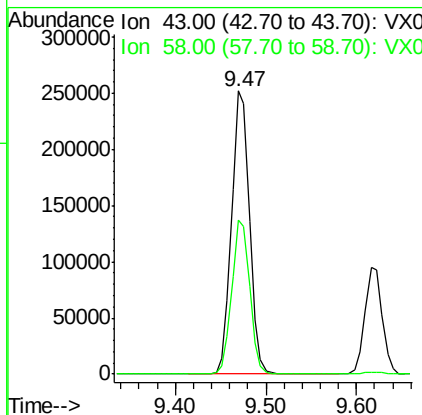
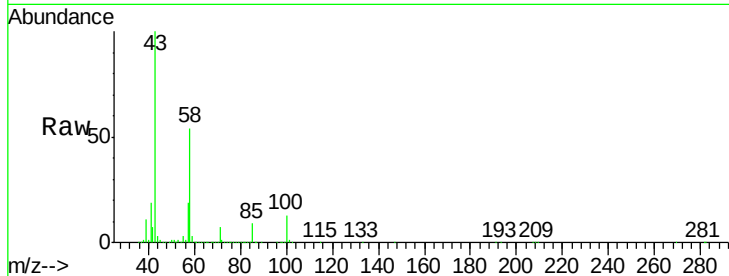
#59
2-Hexanone
Concen: 92.759 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.7	83.1

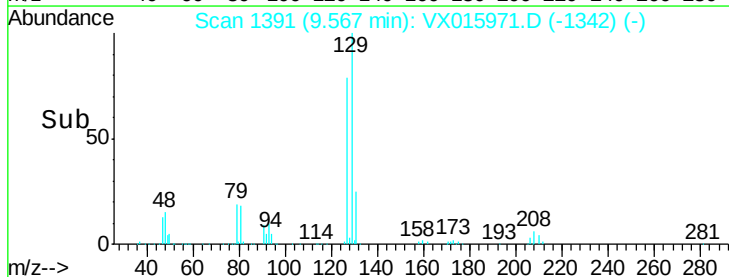
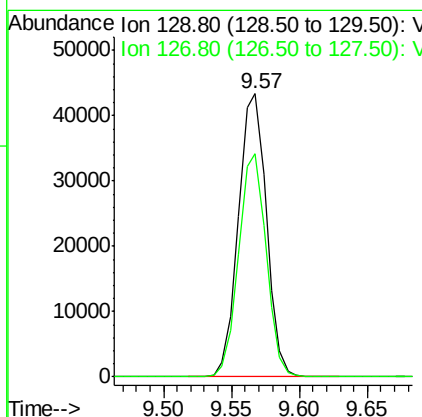
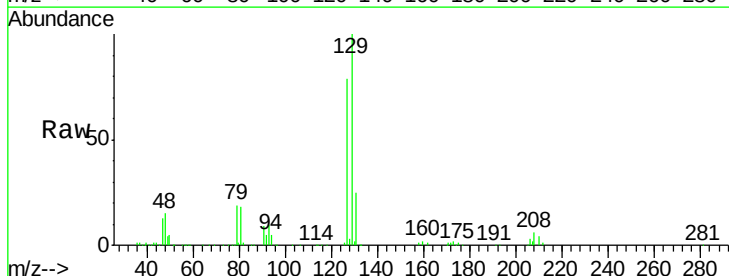
Manual Integrations
APPROVED

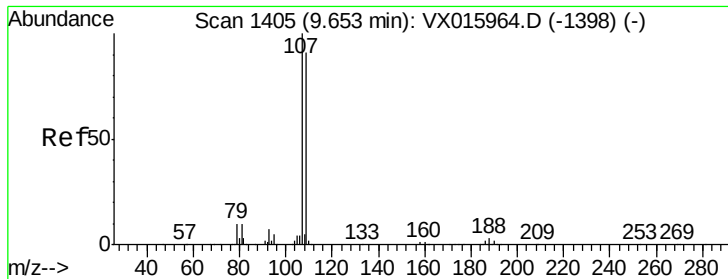
MMDadoda
4/30/2020 2:11:43 PM



#60
Dibromochloromethane
Concen: 18.579 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.4	118.1





#61

1,2-Dibromoethane

Concen: 18.388 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 107 Resp: 59861

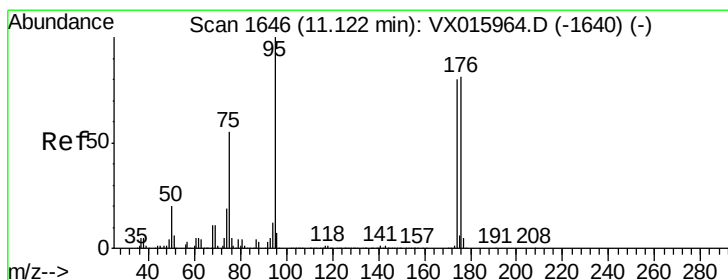
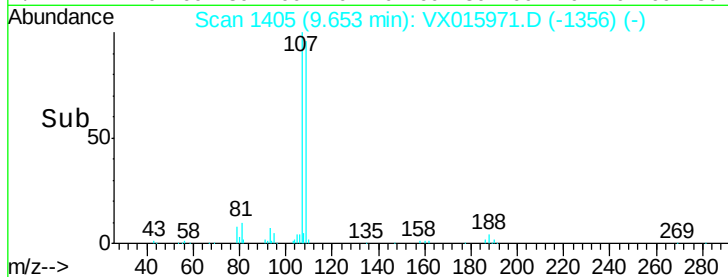
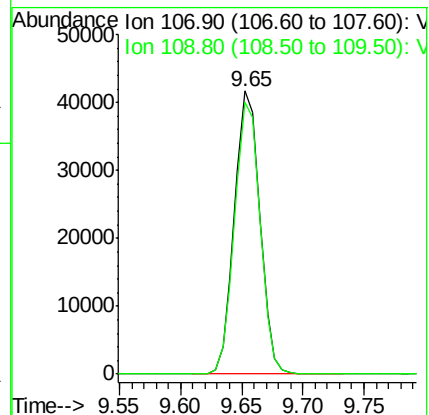
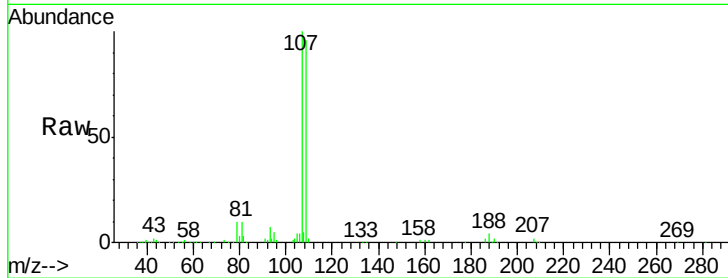
Ion Ratio Lower Upper

107 100

109 96.4 74.9 112.3

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.171 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

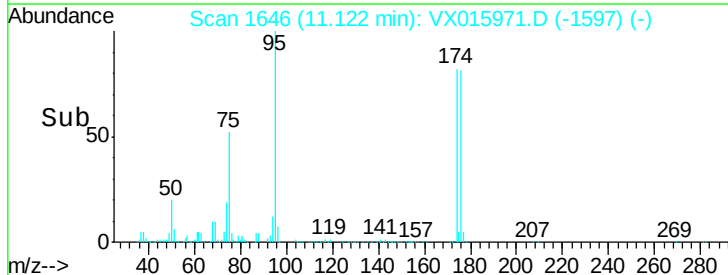
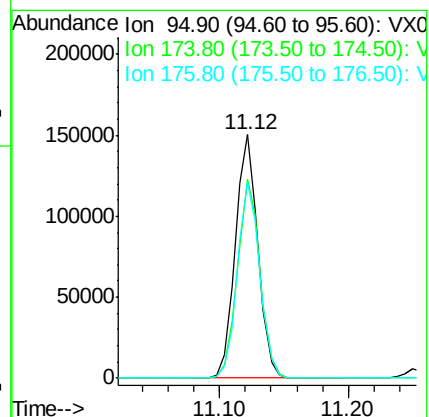
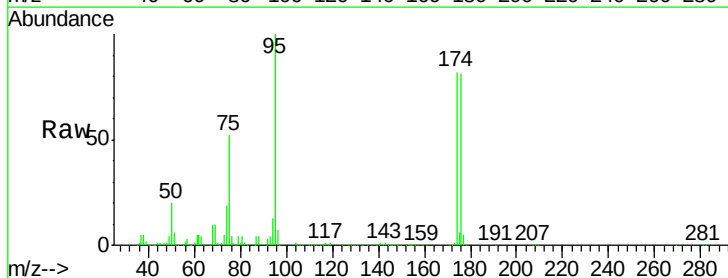
Tgt Ion: 95 Resp: 183937

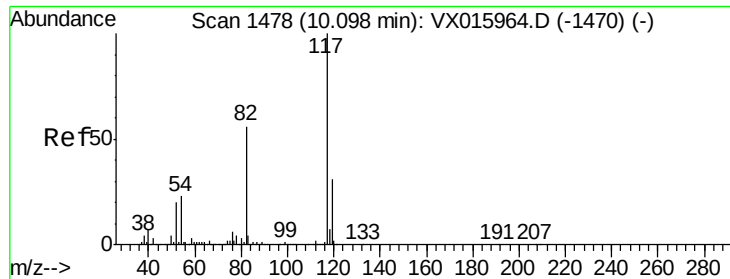
Ion Ratio Lower Upper

95 100

174 81.7 0.0 165.0

176 80.1 0.0 163.2





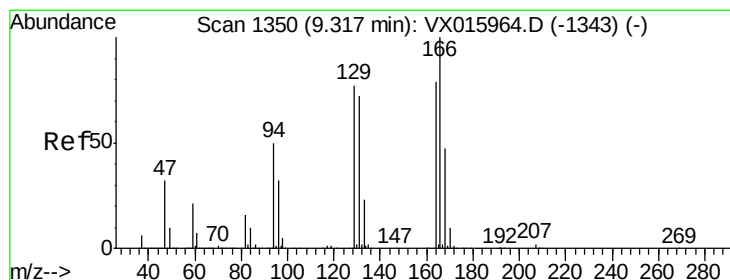
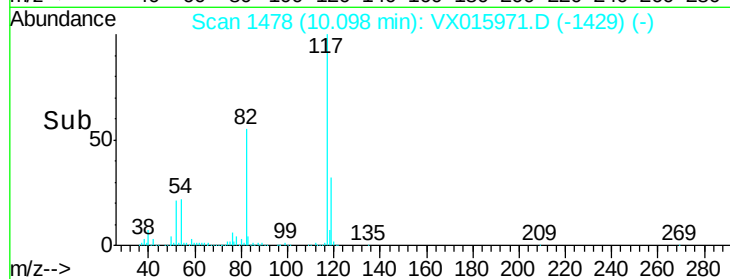
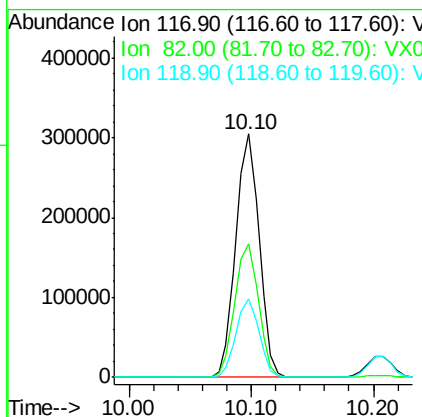
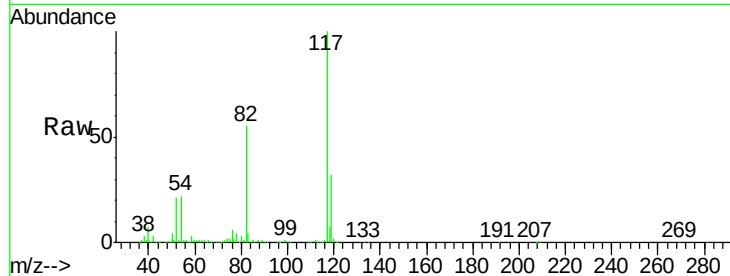
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	54.7	44.5	66.7
119	32.1	25.0	37.6

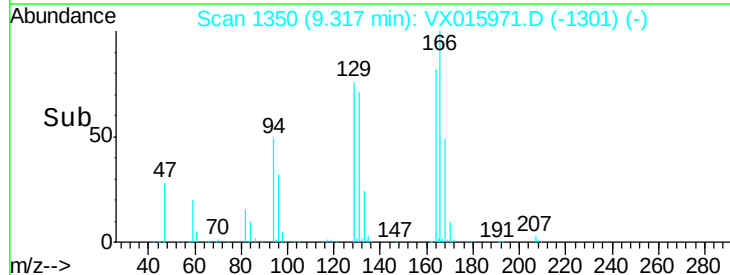
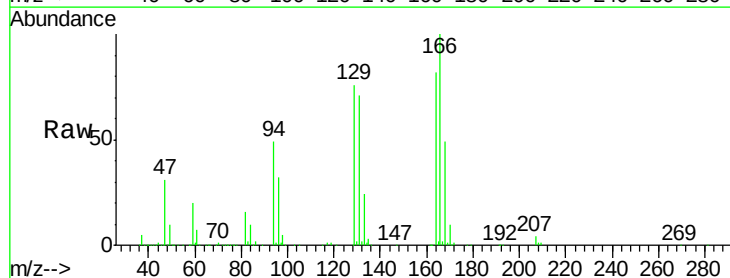
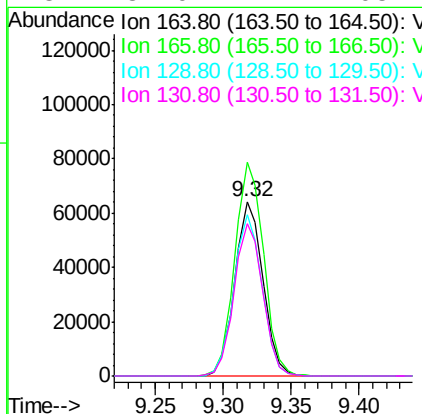
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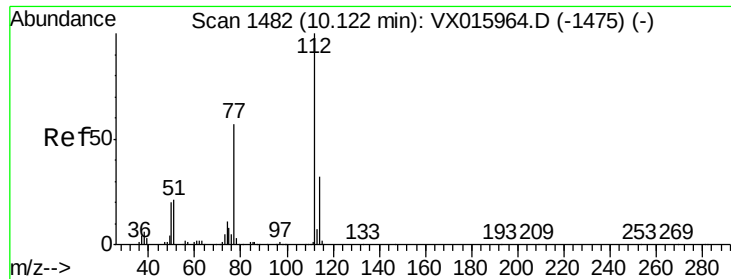
MMDadoda
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#64
Tetrachloroethene
Concen: 19.435 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	122.5	101.0	151.4
129	92.9	77.4	116.0
131	87.0	72.2	108.2





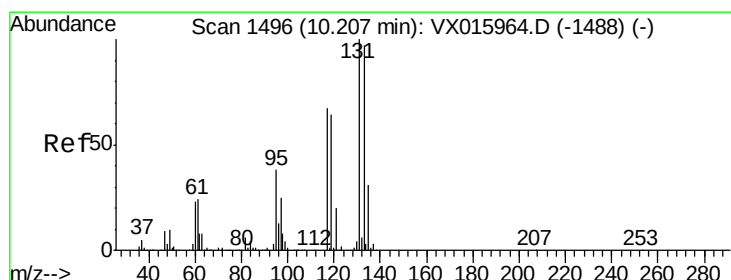
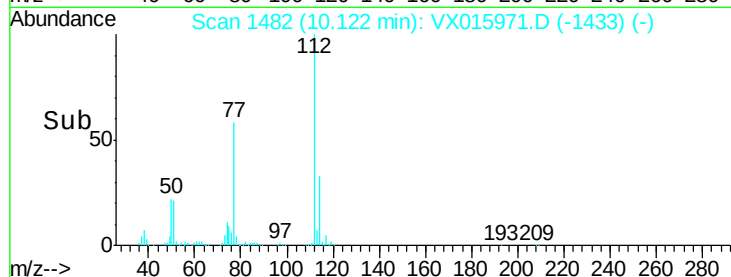
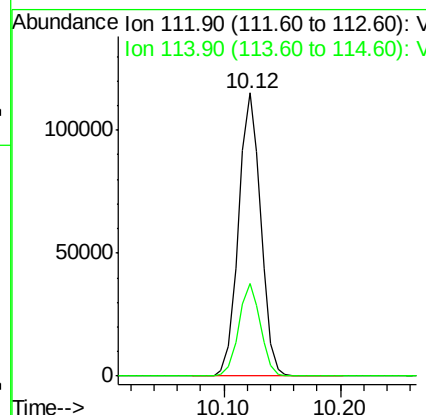
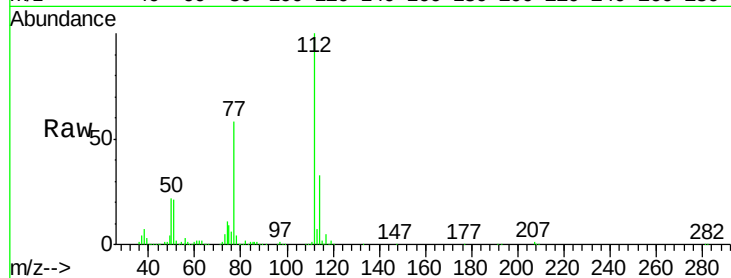
#65
Chlorobenzene
Concen: 18.685 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion:112 Resp: 153208
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0

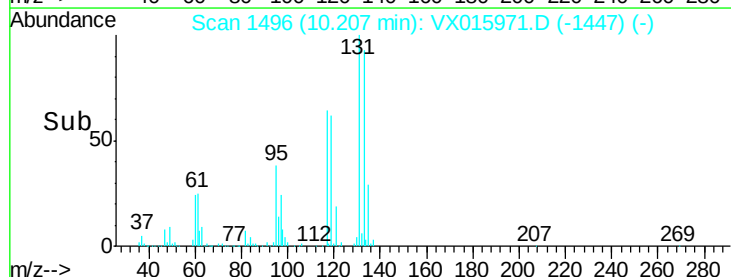
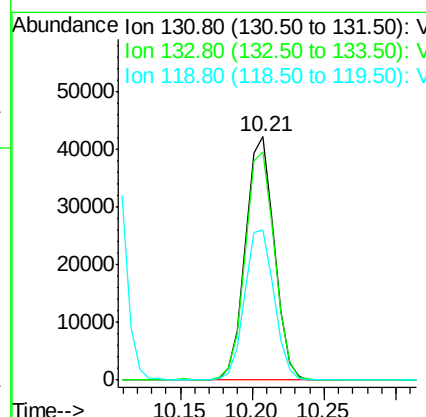
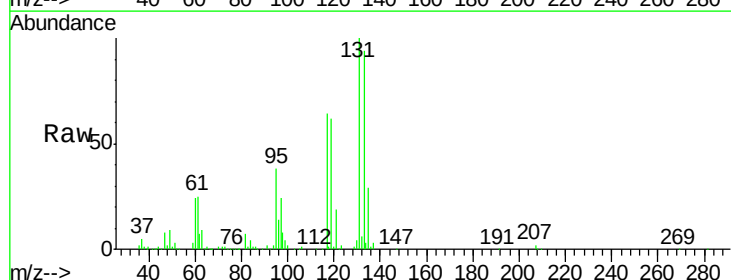
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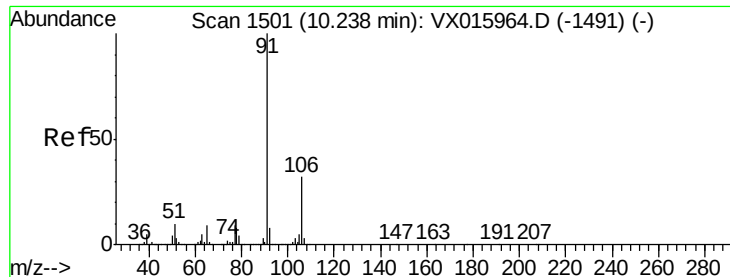
MMDadoda
4/30/2020 2:11:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.825 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion:131 Resp: 58339
Ion Ratio Lower Upper
131 100
133 95.5 48.3 144.8
119 62.7 31.6 94.8





#67

Ethyl Benzene

Concen: 18.563 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 91 Resp: 271058

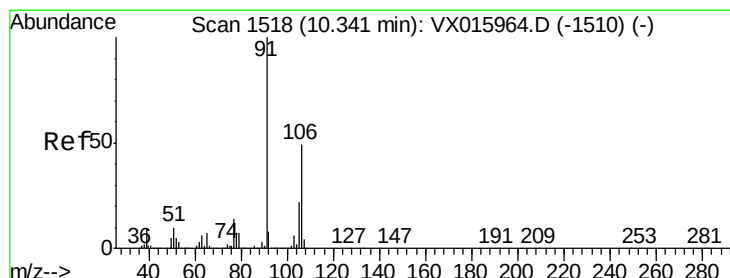
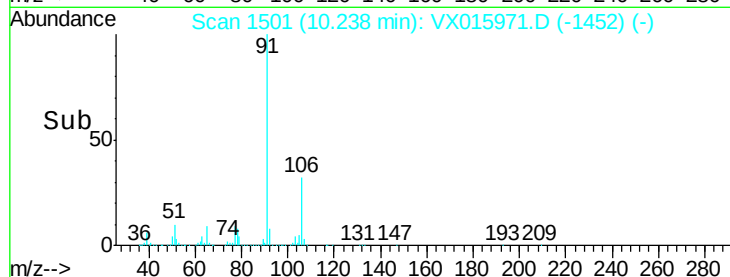
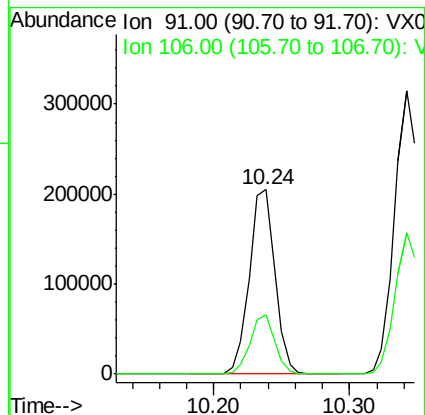
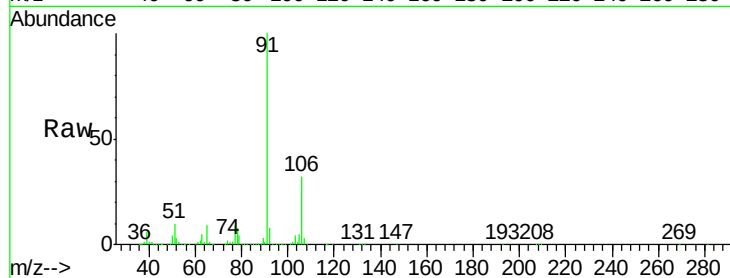
Ion Ratio Lower Upper

91 100

106 32.1 25.3 37.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 37.045 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX015971.D

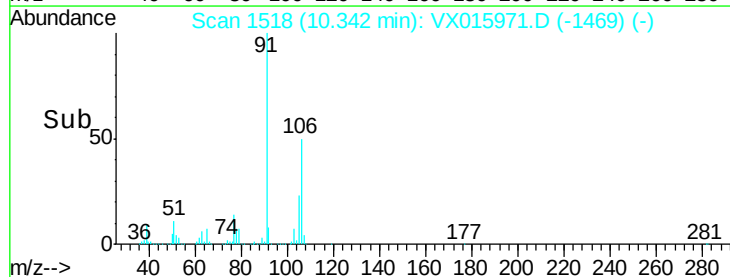
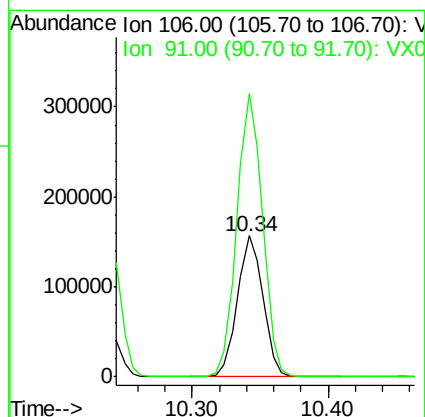
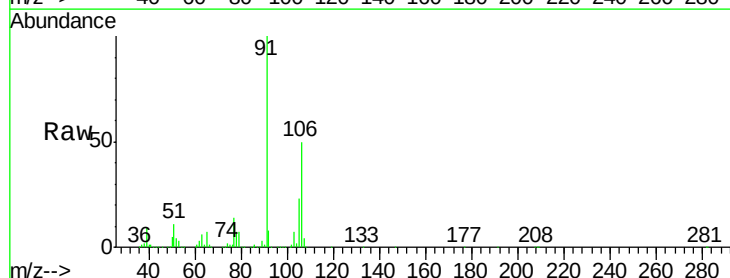
Acq: 29 Apr 2020 12:56

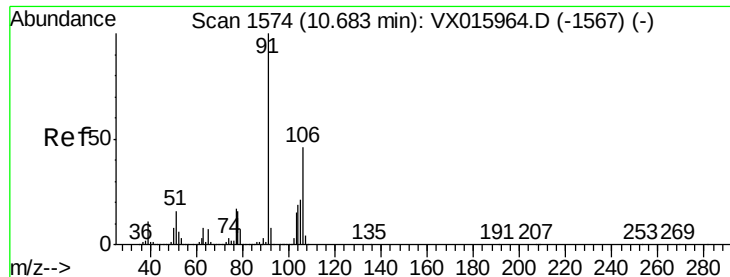
Tgt Ion: 106 Resp: 205256

Ion Ratio Lower Upper

106 100

91 201.4 161.6 242.4





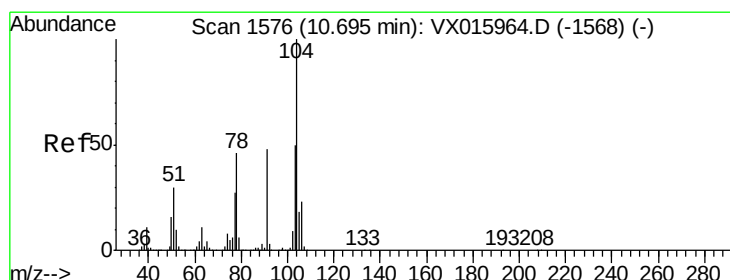
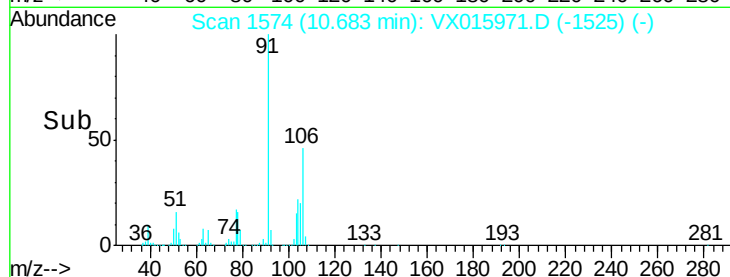
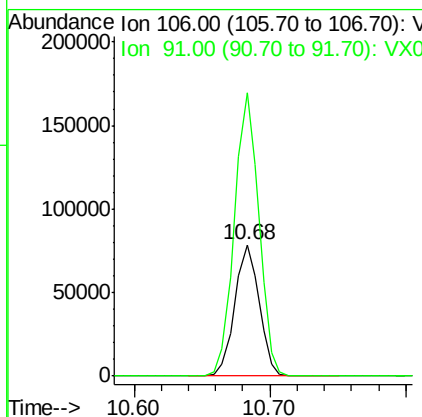
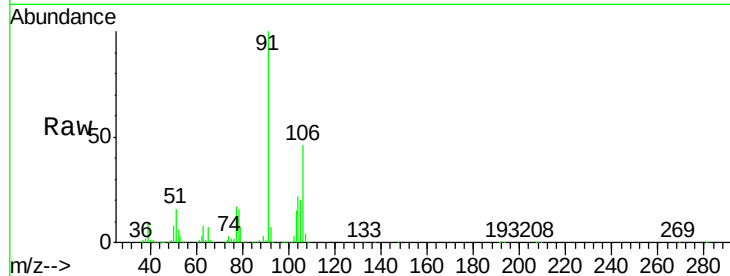
#69
o-Xylene
Concen: 18.773 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.2	106.1	318.3

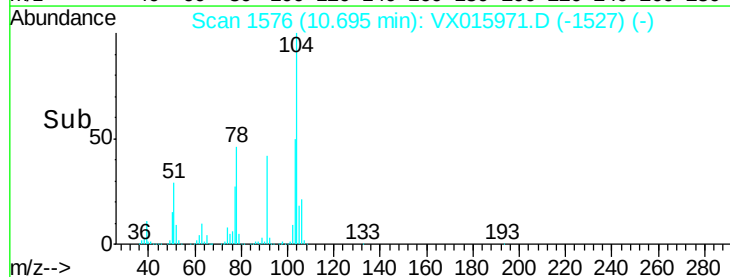
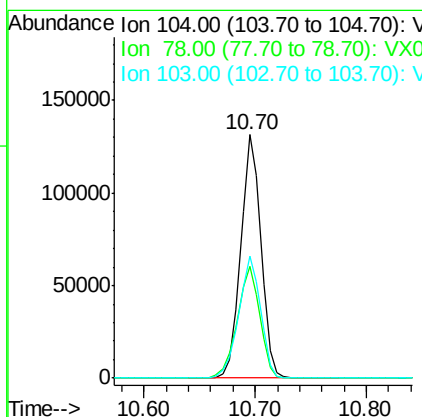
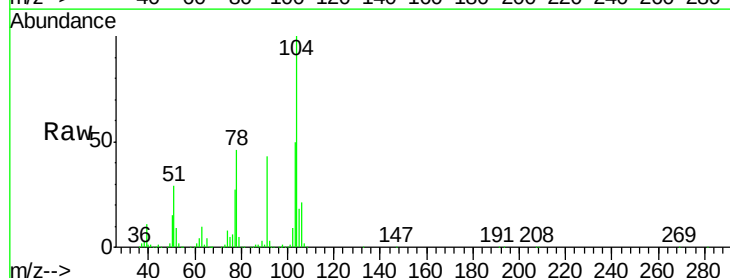
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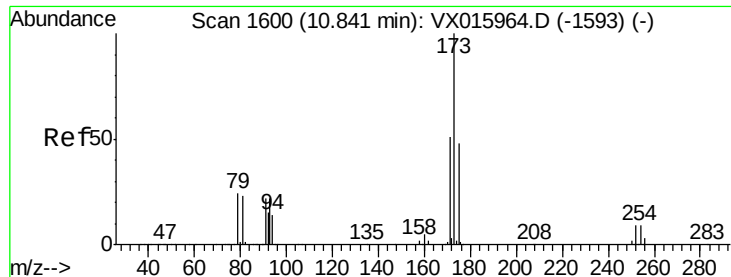
MMDadoda
4/30/2020 2:11:43 PM



#70
Styrene
Concen: 18.285 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.0	61.4
103	54.3	43.4	65.2





#71

Bromoform

Concen: 17.660 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

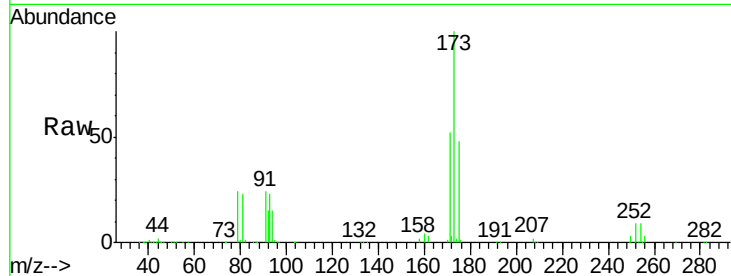
ClientSampleId :

VX0429WBS01

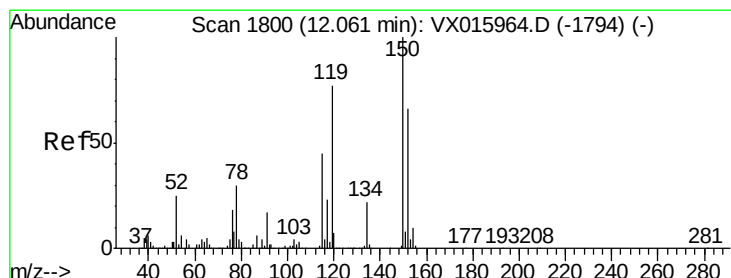
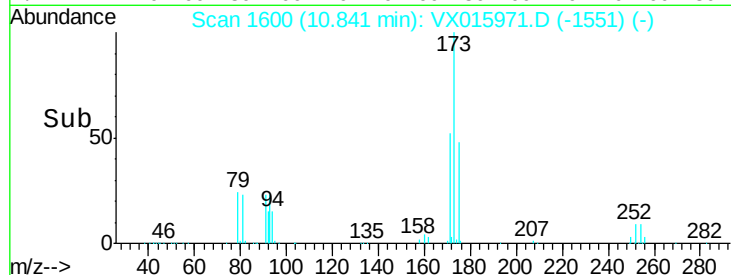
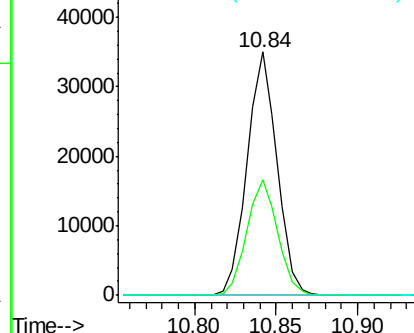
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.4
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

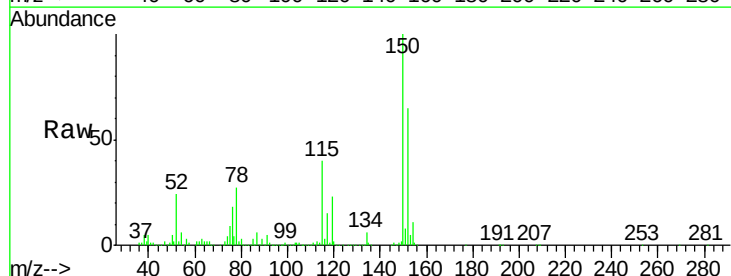
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

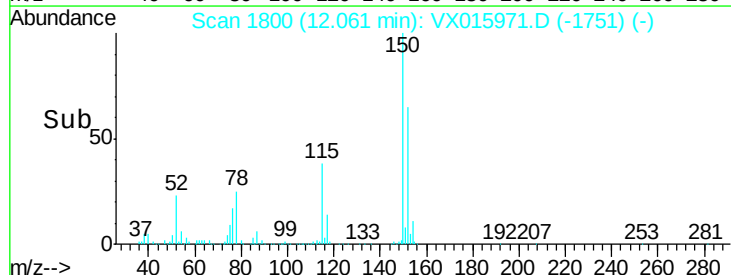
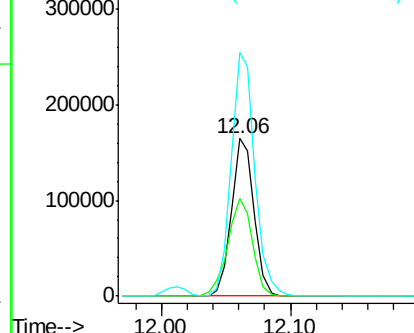
Lab File: VX015971.D

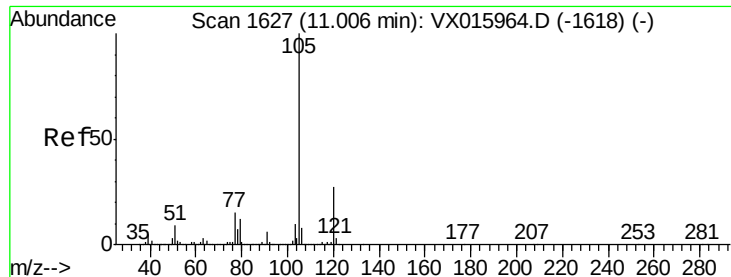
Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.2	40.9	122.7
150	162.4	0.0	342.4



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





#73

Isopropylbenzene

Concen: 19.302 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion:105 Resp: 265116

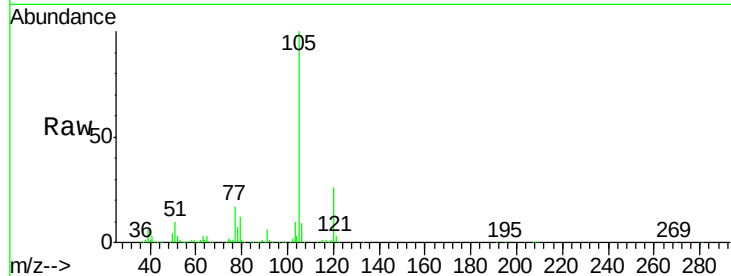
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8

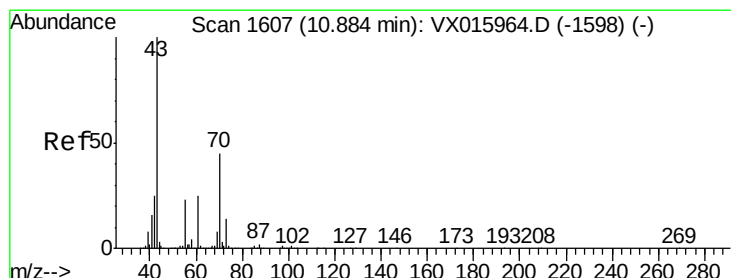
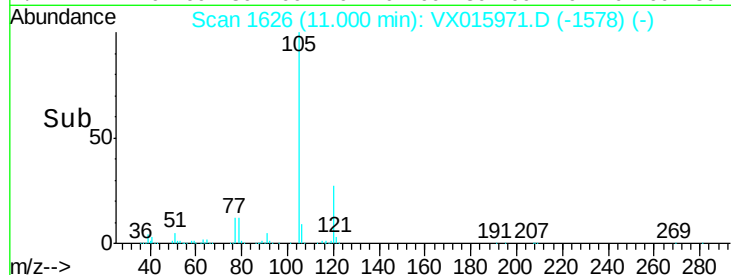
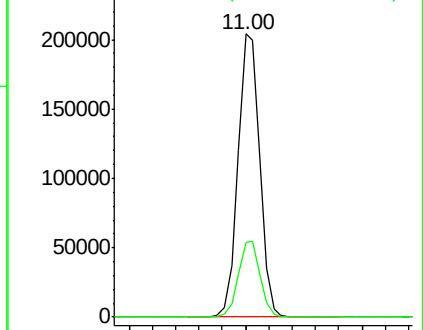
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.933 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Tgt Ion: 43 Resp: 125419

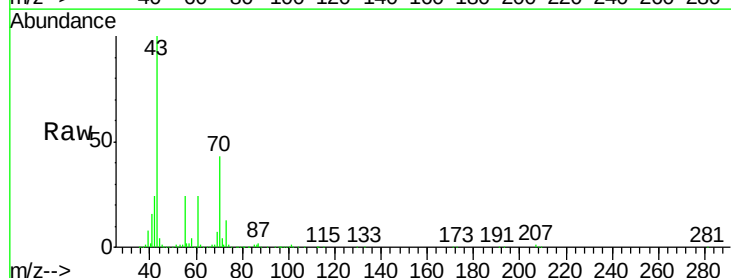
Ion Ratio Lower Upper

43 100

70 43.1 34.5 51.7

55 23.9 18.6 28.0

61 24.4 19.8 29.6

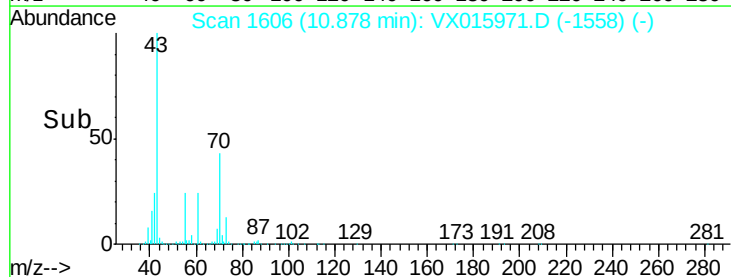
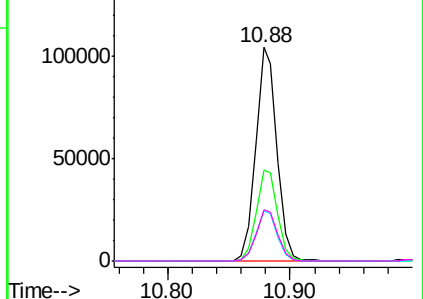


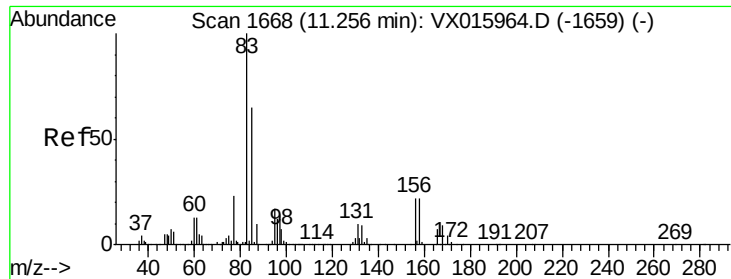
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 16.125 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

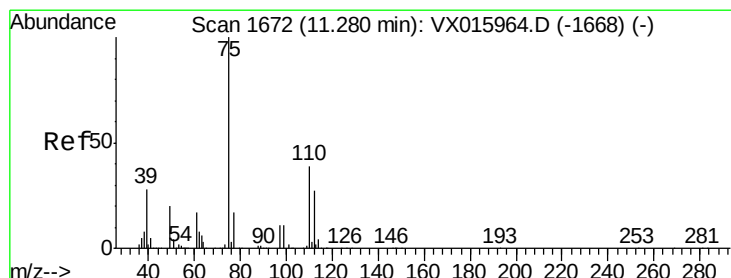
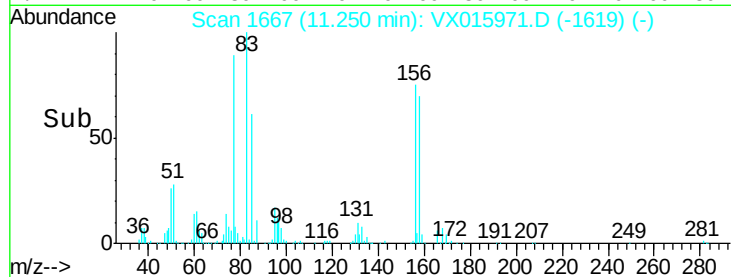
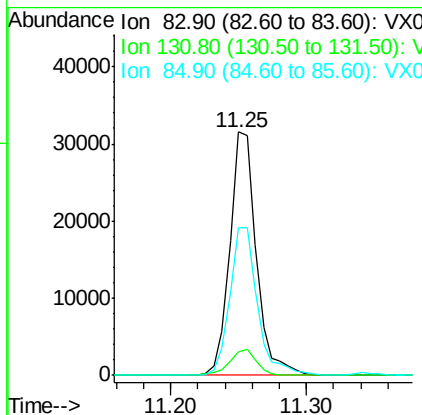
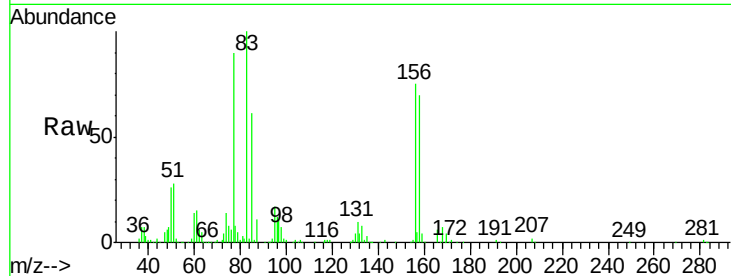
ClientSampleId :

VX0429WBS01

Tot Ion:	83	Resp:	42779
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.4
85	63.5	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.483 ug/l m

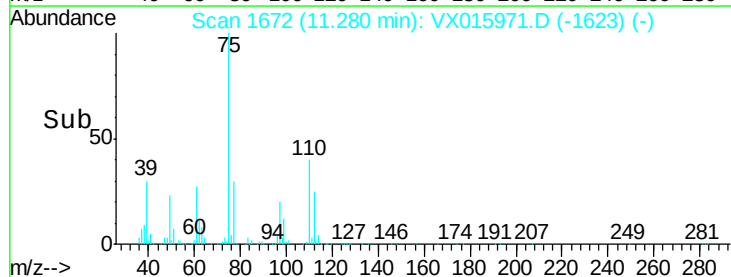
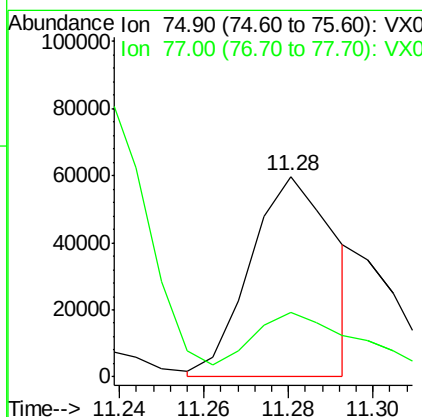
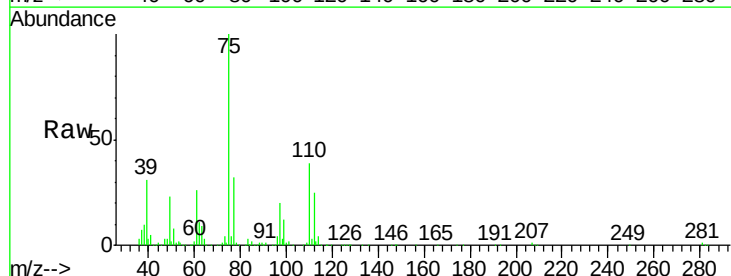
RT: 11.28 min Scan# 1672

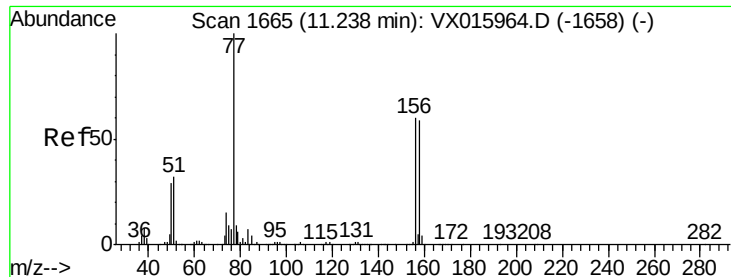
Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Tgt Ion:	75	Resp:	82542
Ion	Ratio	Lower	Upper
75	100		
77	41.6	21.6	65.0





#77

Bromobenzene

Concen: 19.036 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

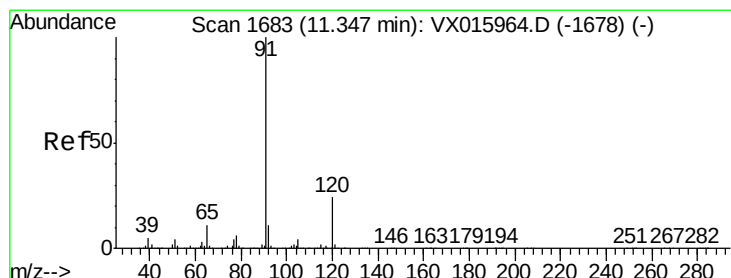
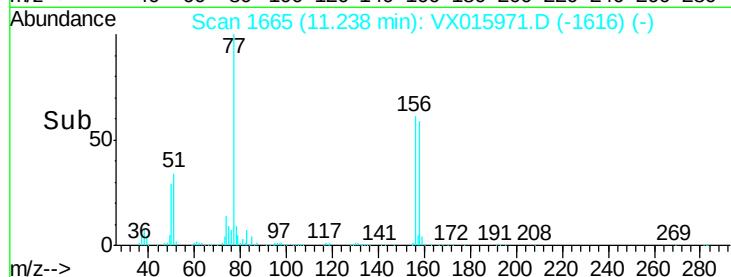
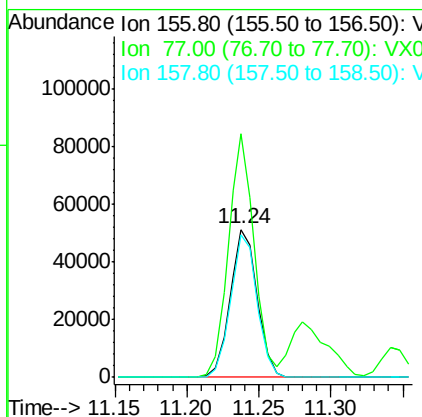
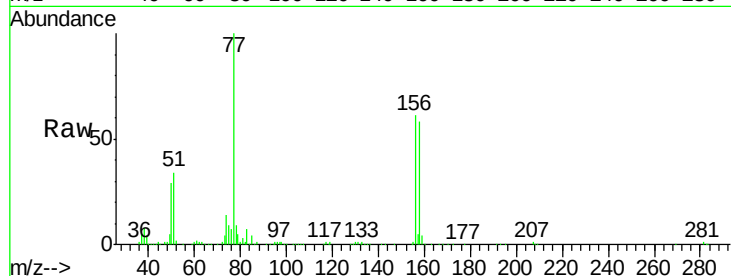
ClientSampleId :

VX0429WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.2	78.3	234.8
158	94.7	48.5	145.5

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#78

n-propylbenzene

Concen: 19.341 ug/l

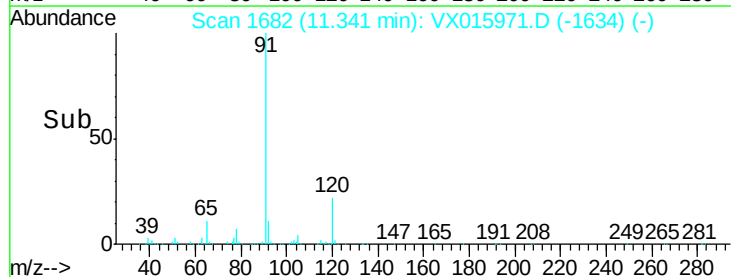
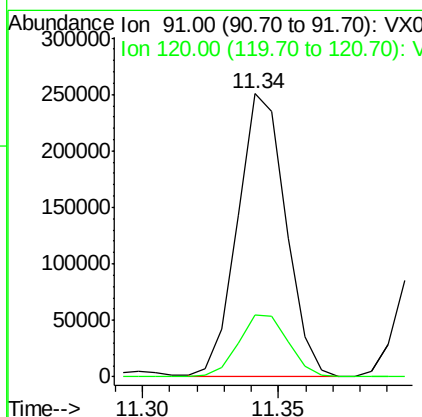
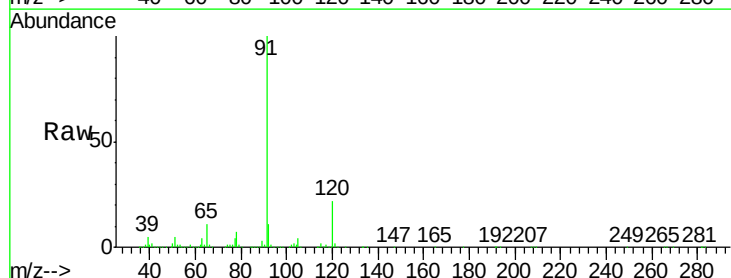
RT: 11.34 min Scan# 1682

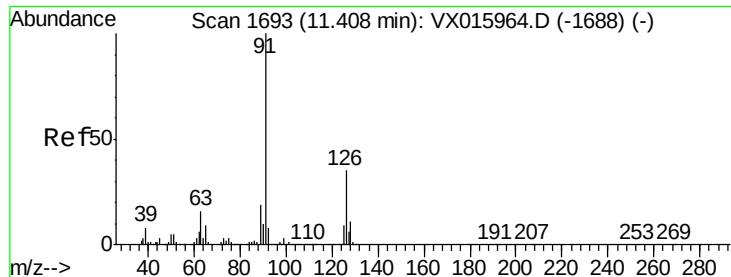
Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.8	35.3





#79

2-Chlorotoluene

Concen: 19.204 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 91 Resp: 180794

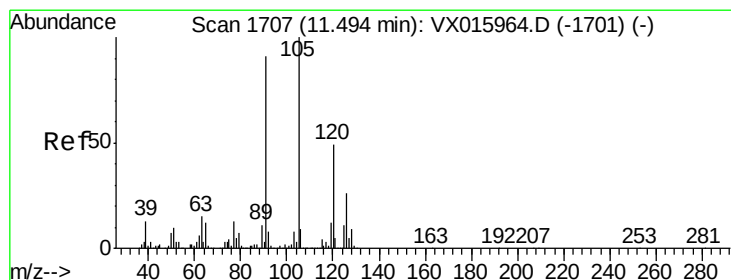
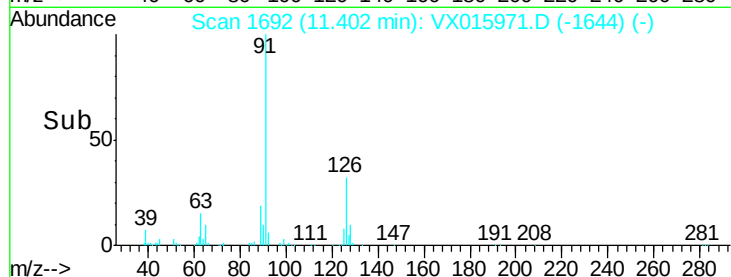
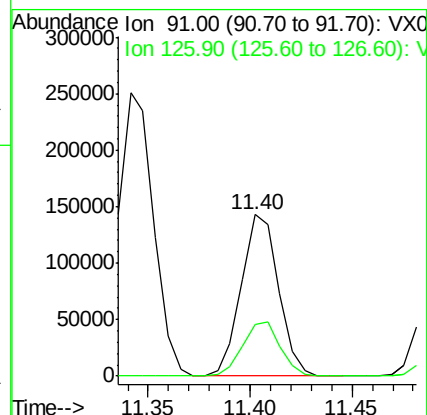
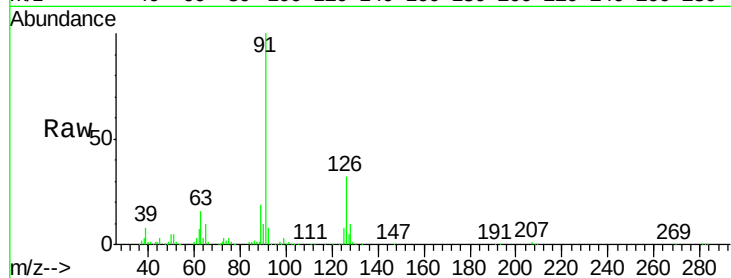
Ion Ratio Lower Upper

91 100

126 34.0 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.453 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015971.D

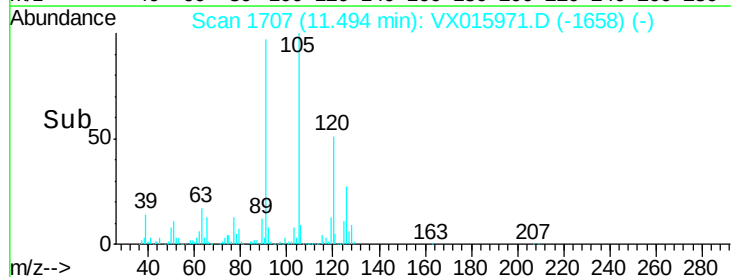
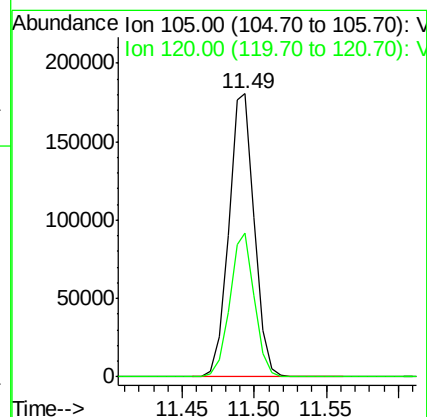
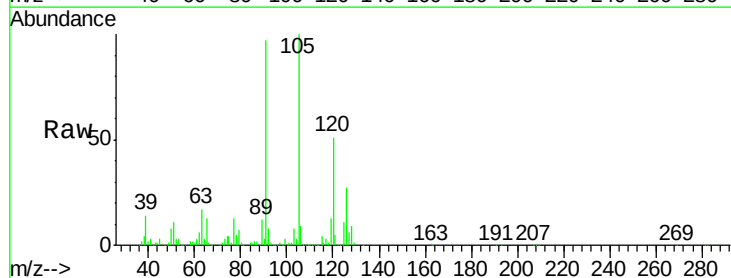
Acq: 29 Apr 2020 12:56

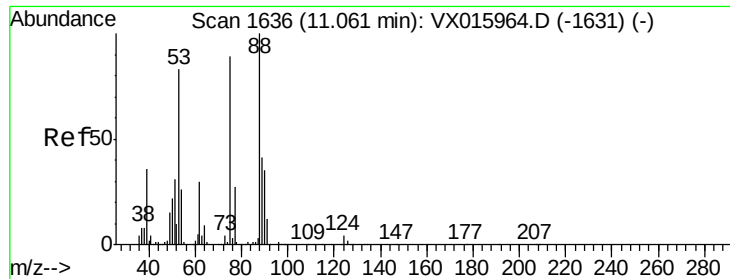
Tgt Ion: 105 Resp: 225077

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.6





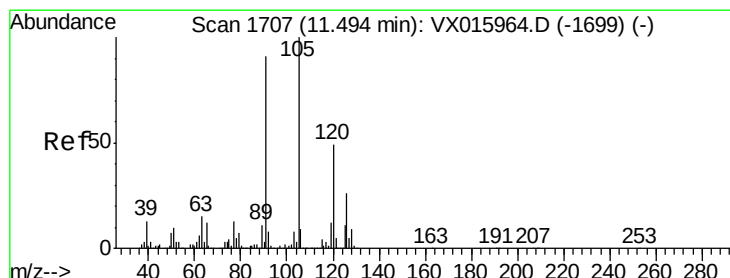
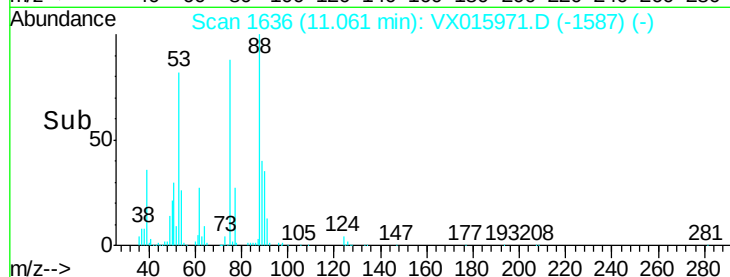
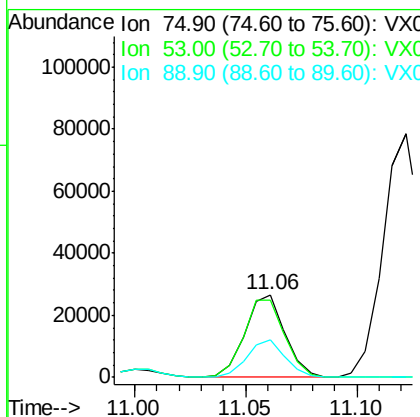
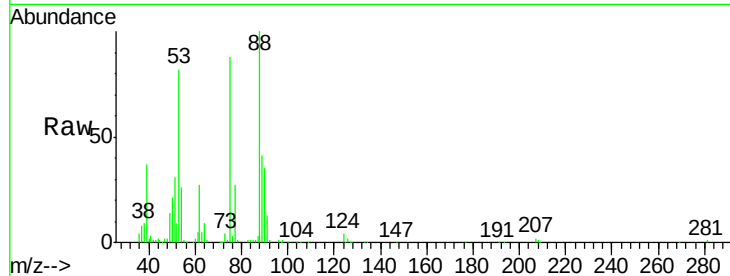
#81
trans-1,4-Dichloro-2-butene
Concen: 18.446 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.1	78.3	117.5
89	44.7	37.2	55.8

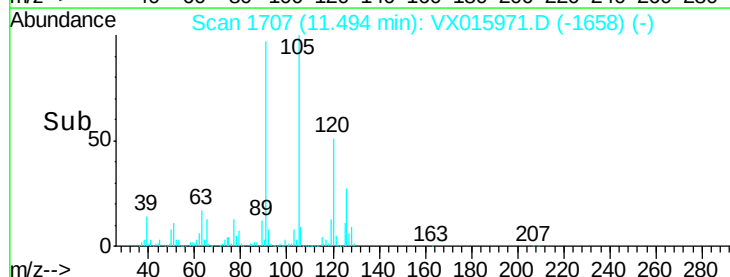
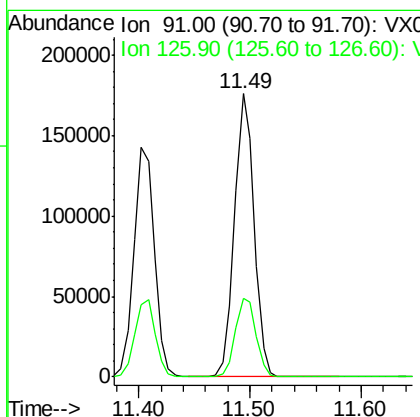
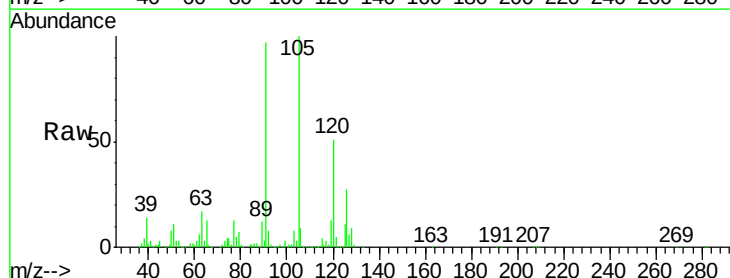
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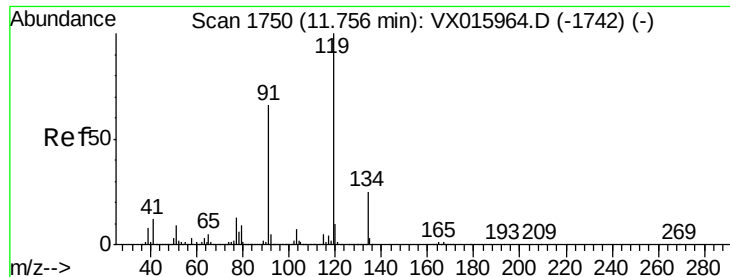
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#82
4-Chlorotoluene
Concen: 19.021 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.8	44.3





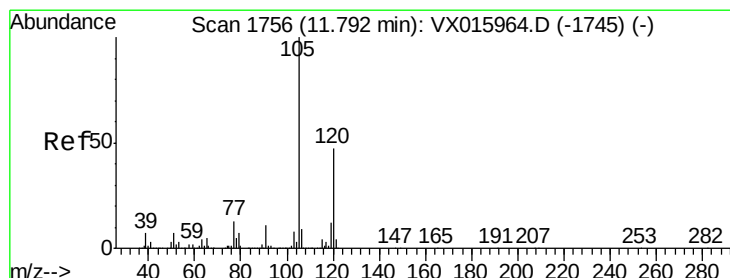
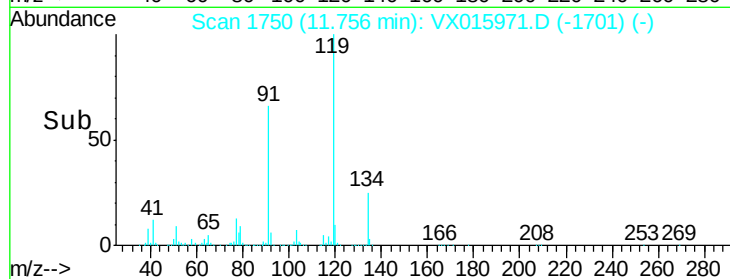
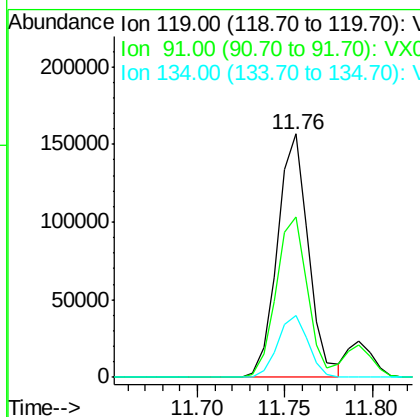
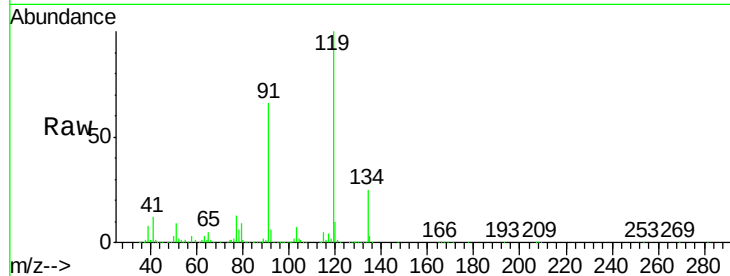
#83
tert-Butylbenzene
Concen: 19.376 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	193298		
91	66.5	33.5	100.4	
134	24.9	12.4	37.2	

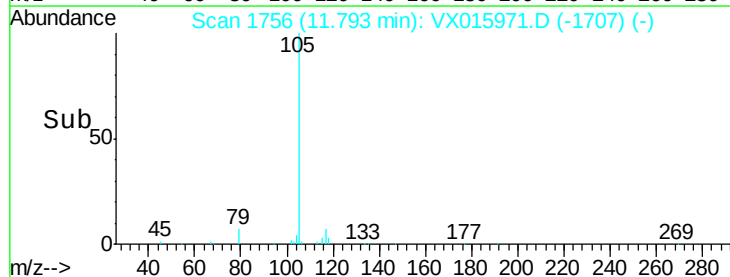
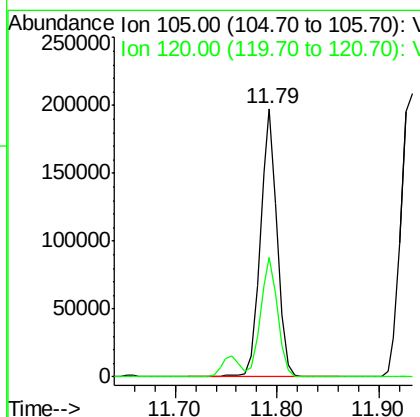
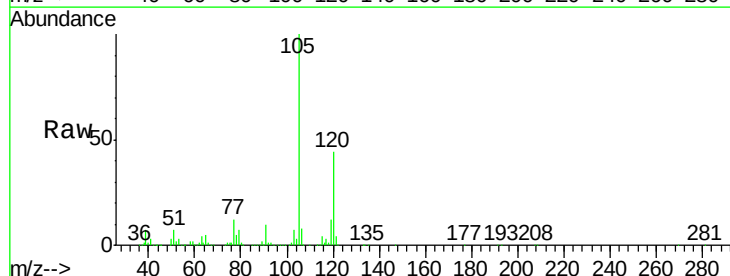
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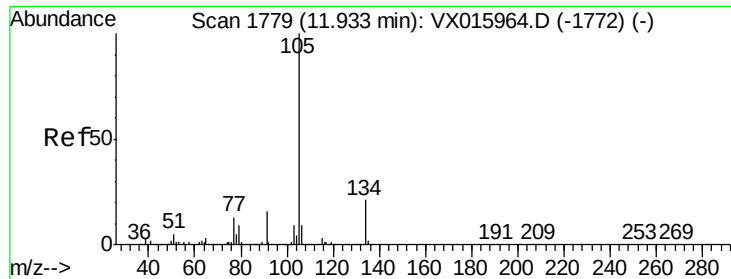
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#84
1,2,4-Trimethylbenzene
Concen: 19.574 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX015971.D
Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227929		
120	45.3	22.9	68.8	





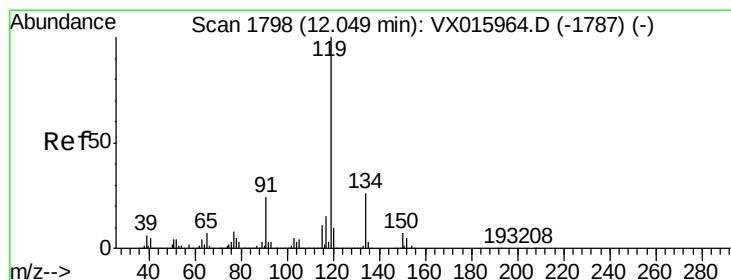
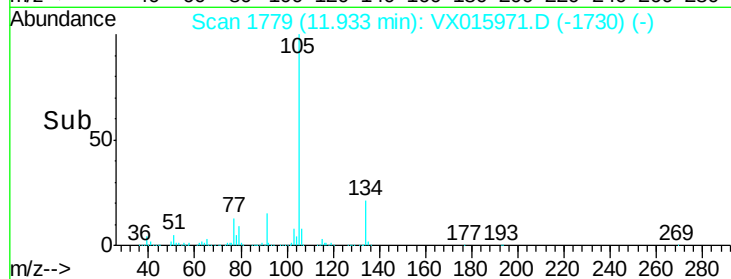
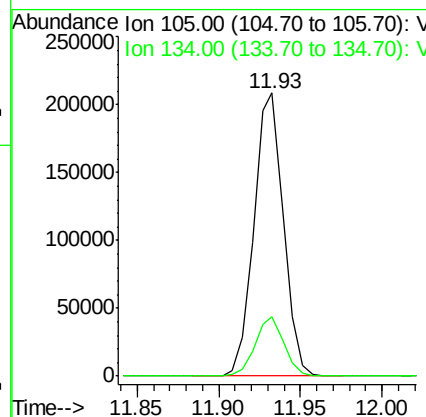
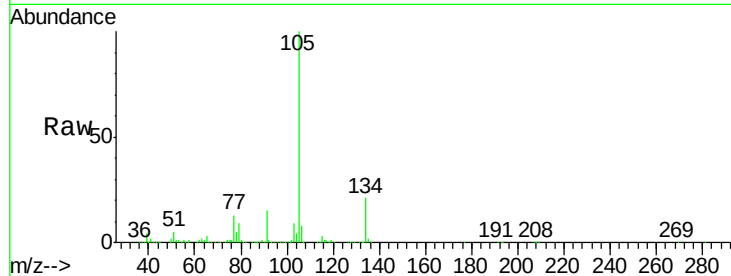
#85
 sec-Butylbenzene
 Concen: 19.517 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.4	31.1

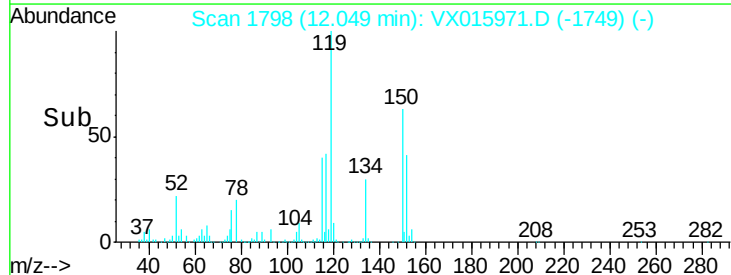
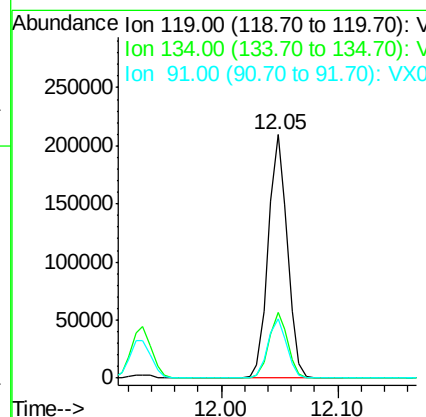
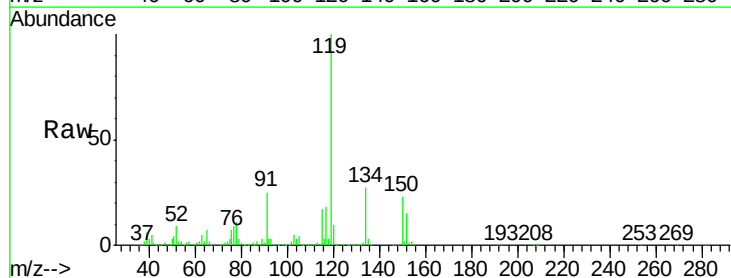
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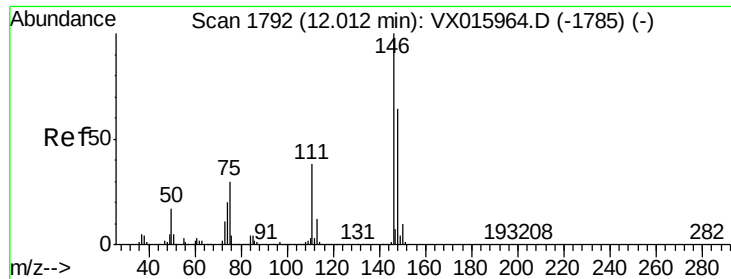
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#86
 p-Isopropyltoluene
 Concen: 19.058 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.0	39.0
91	24.6	11.9	35.9





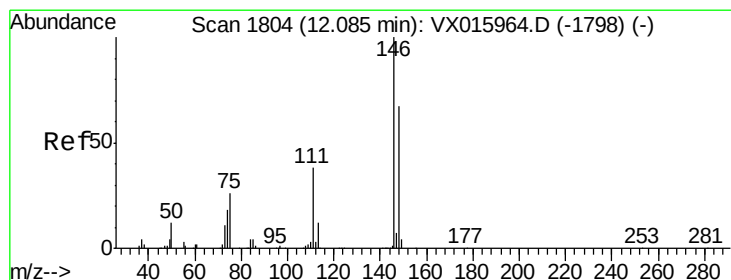
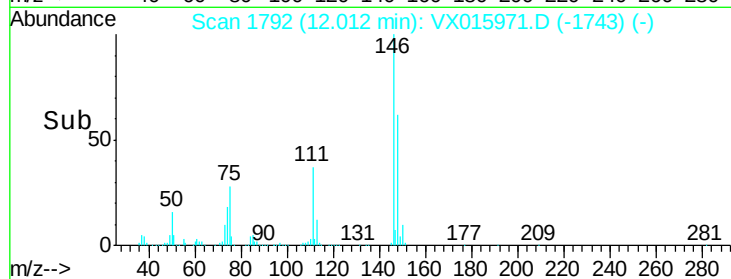
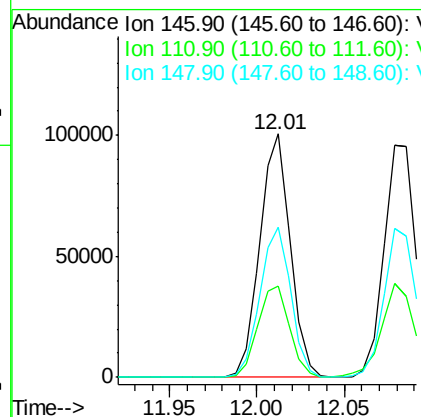
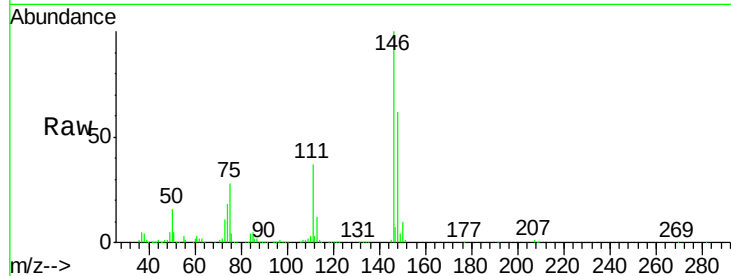
#87
 1,3-Dichlorobenzene
 Concen: 19.101 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	62.6	32.0	96.0

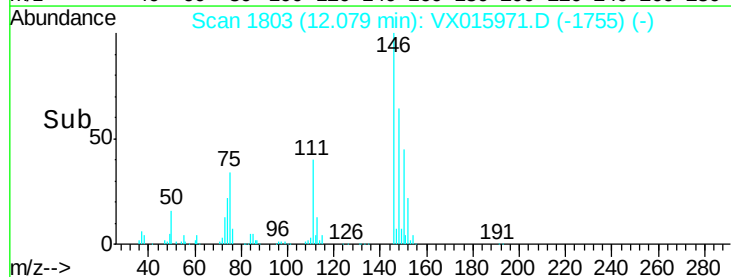
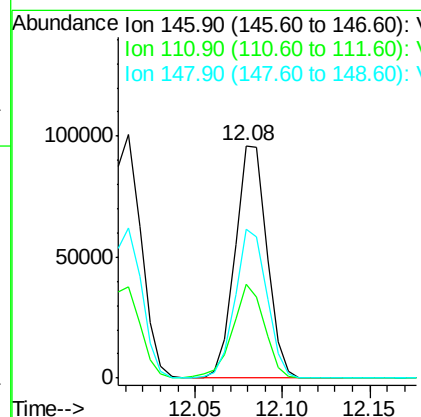
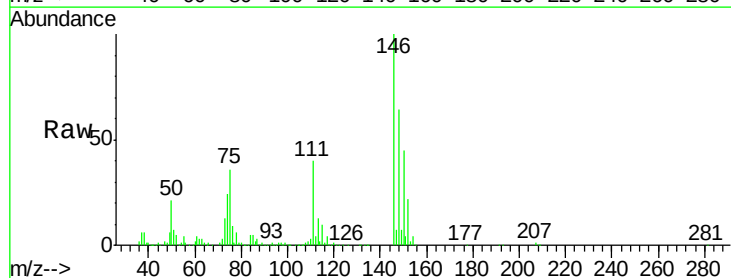
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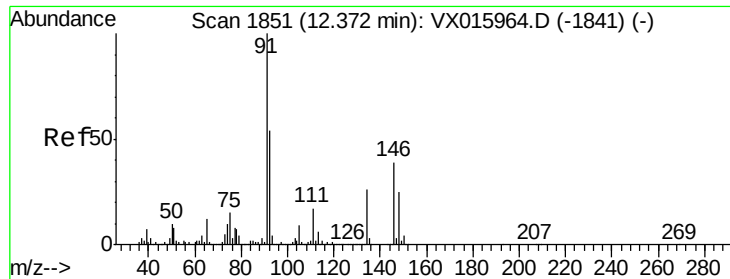
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#88
 1,4-Dichlorobenzene
 Concen: 18.689 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.0
148	64.0	32.8	98.4





#89

n-Butylbenzene

Concen: 18.839 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

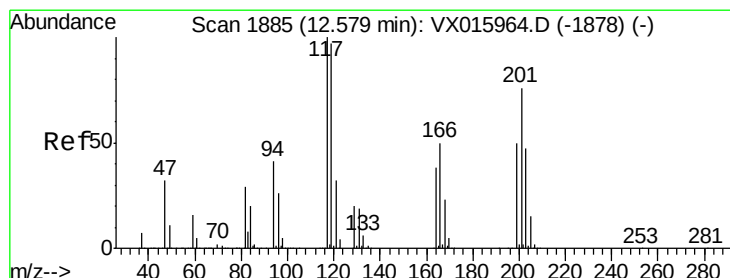
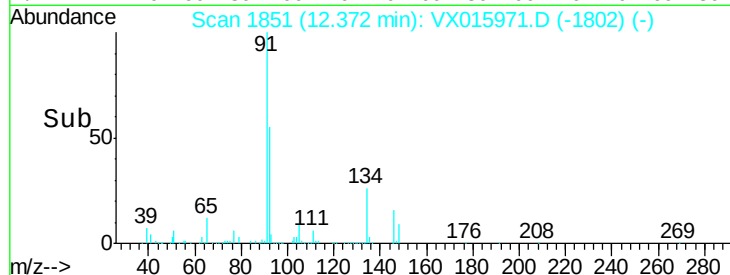
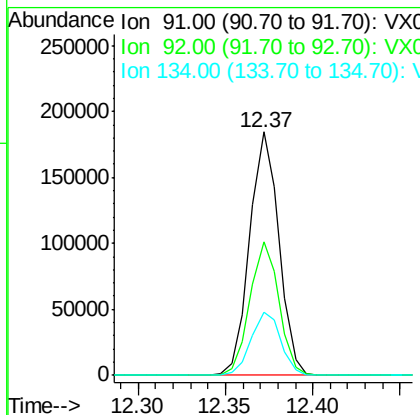
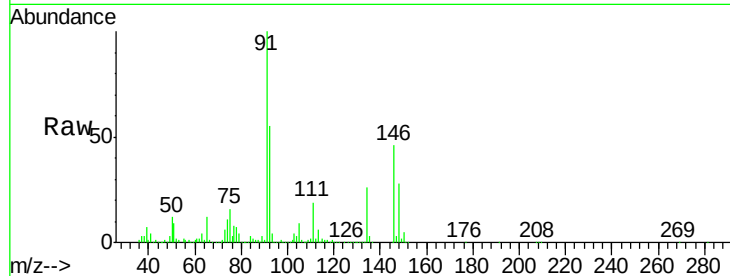
ClientSampleId :

VX0429WBS01

Tot Ion:	91	Resp:	214306
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.1	81.3
134	26.5	13.3	39.8

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#90

Hexachloroethane

Concen: 19.145 ug/l

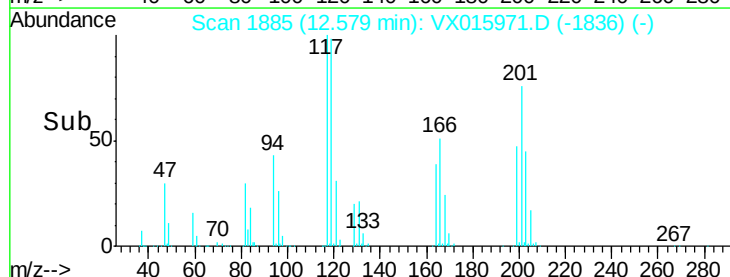
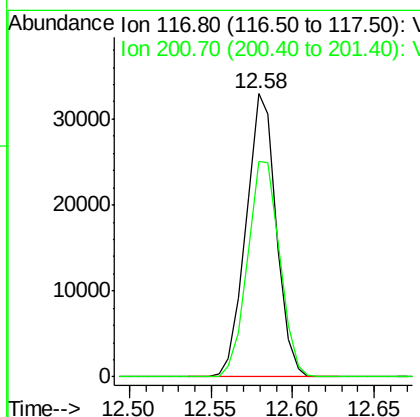
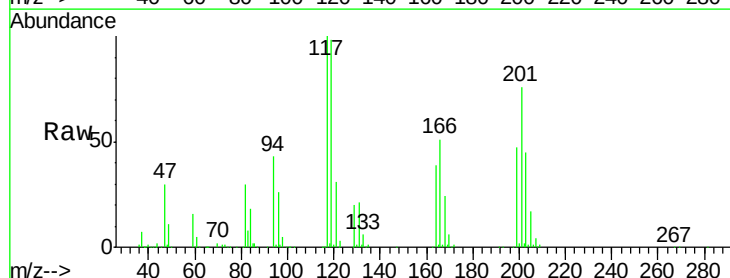
RT: 12.58 min Scan# 1885

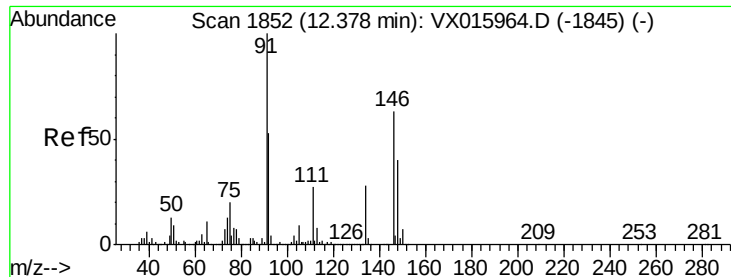
Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Tgt Ion:	117	Resp:	42588
Ion	Ratio	Lower	Upper
117	100		
201	81.0	40.3	120.8





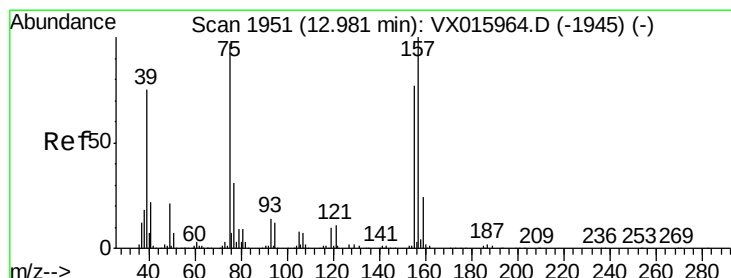
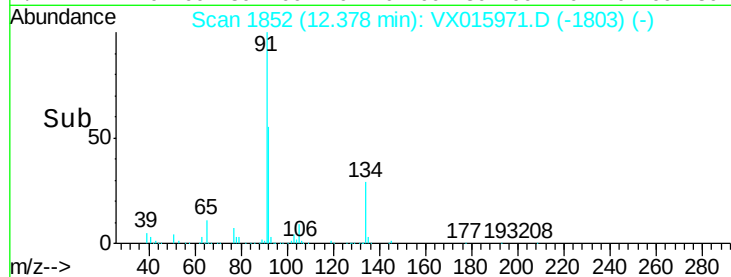
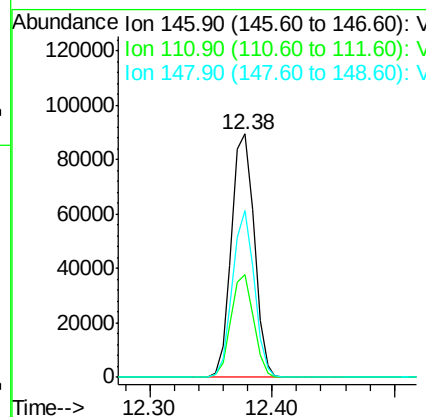
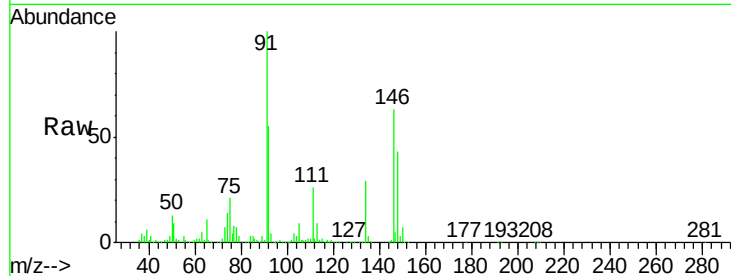
#91
 1,2-Dichlorobenzene
 Concen: 18.774 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.5	21.1	63.3	
148	65.0	32.3	96.9	

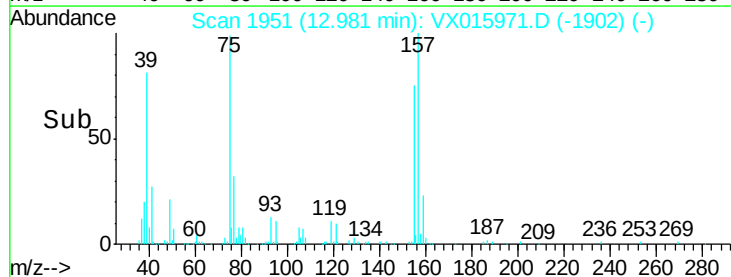
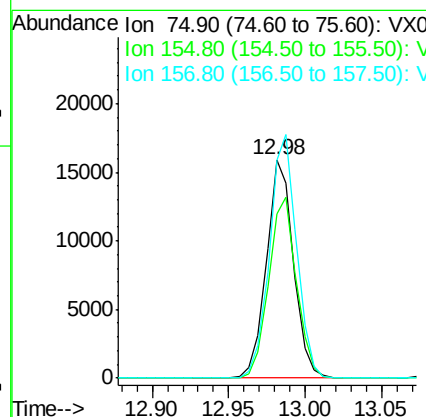
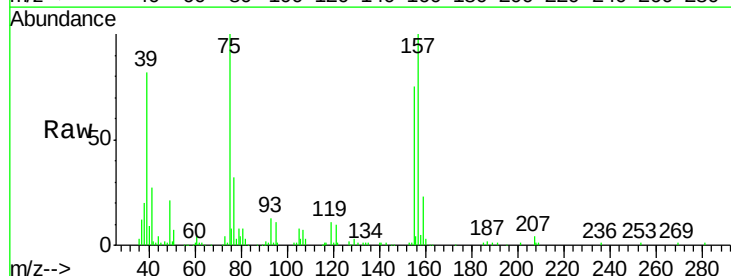
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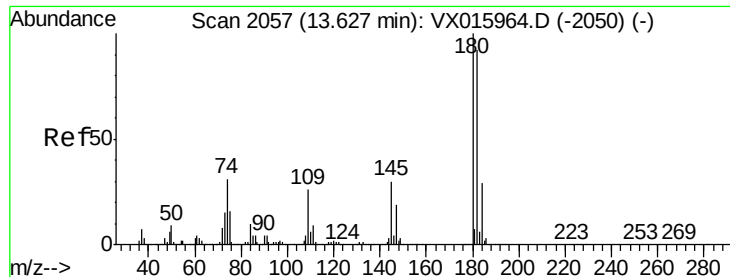
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.398 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	84.6	42.5	127.6	
157	111.3	56.0	168.2	





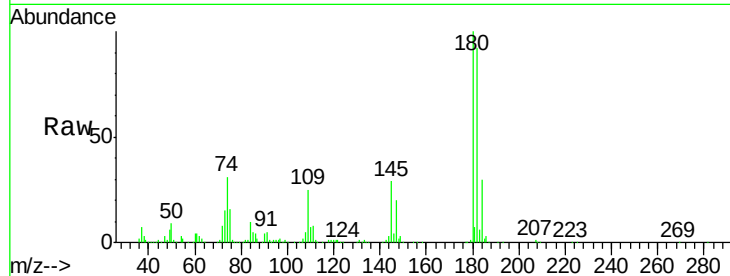
#93
 1,2,4-Trichlorobenzene
 Concen: 18.258 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

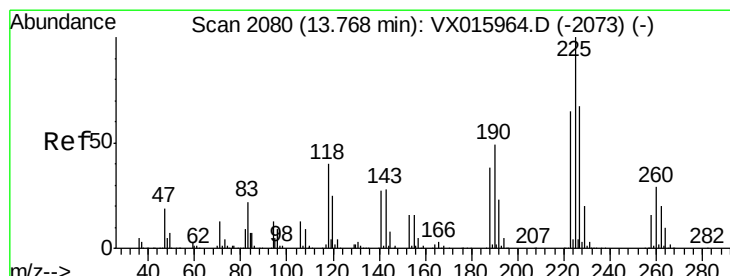
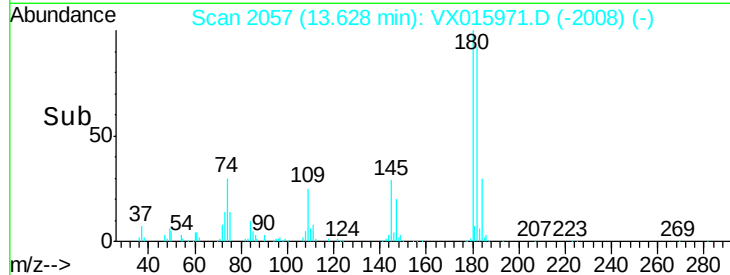
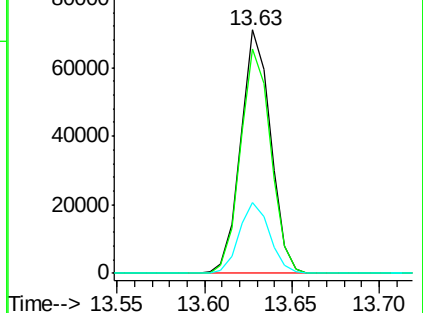
Tot Ion	Ratio	Resp	Lower	Upper
180	100	84488		
182	93.3	46.9	140.6	
145	29.7	14.7	44.1	

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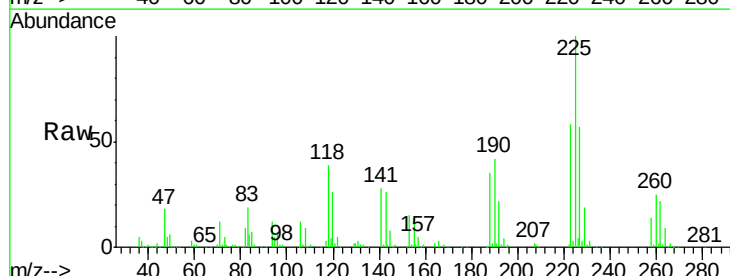


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

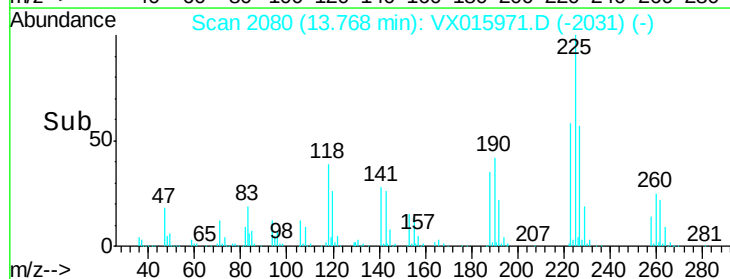
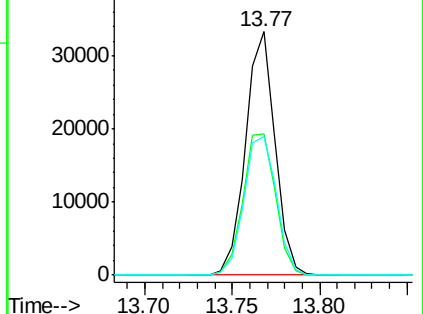


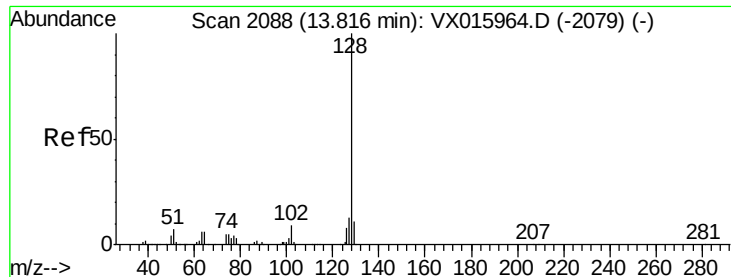
#94
 Hexachlorobutadiene
 Concen: 18.805 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX015971.D
 Acq: 29 Apr 2020 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38880		
223	64.1	32.0	96.0	
227	63.0	33.0	99.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.709 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Instrument :

MSVOA_X

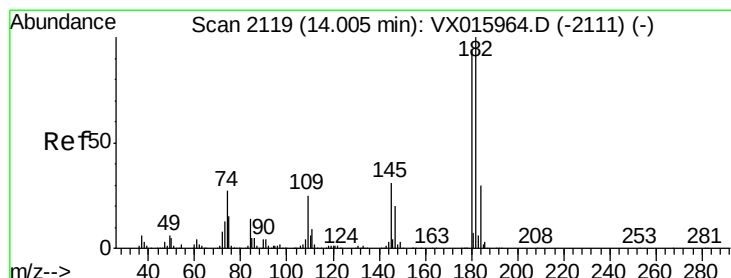
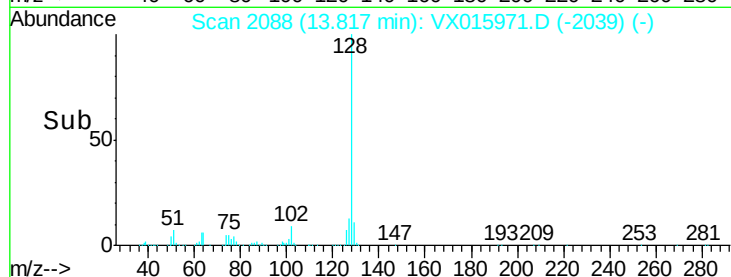
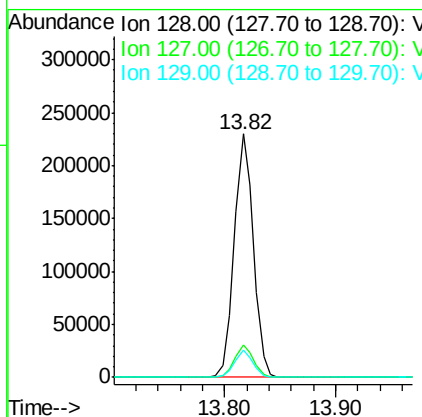
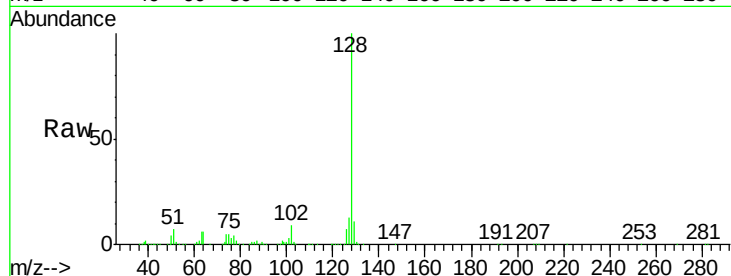
ClientSampleId :

VX0429WBS01

Tot Ion:	128	Resp:	273053
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/30/2020 2:11:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.668 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX015971.D

Acq: 29 Apr 2020 12:56

Tgt Ion:	180	Resp:	83182
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.7	146.1
145	32.0	16.1	48.3

