

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065274.D
 Acq On : 21 Feb 2020 14:38
 Operator : VA/SY
 Sample : L1635-02MS
 Misc : 6.13G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MS

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:08:50 AM

Quant Time: Feb 22 02:49:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	210432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	315278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	260822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	86487	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	127969	67.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	135.20%	
35) Dibromofluoromethane	7.92	113	111739	58.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.26%	
50) Toluene-d8	10.34	98	357113	48.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.64	95	88904	38.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	76.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	93299	52.862	ug/l	98
3) Chloromethane	2.21	50	119919	53.380	ug/l	97
4) Vinyl Chloride	2.35	62	116131	50.837	ug/l	99
5) Bromomethane	2.78	94	72029	52.150	ug/l	98
6) Chloroethane	2.93	64	74294	53.280	ug/l	97
7) Trichlorofluoromethane	3.27	101	159827	48.869	ug/l	99
8) Diethyl Ether	3.71	74	72871	73.815	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94132	45.577	ug/l	99
10) Methyl Iodide	4.30	142	117664	54.870	ug/l	99
11) Tert butyl alcohol	5.25	59	43295	382.727	ug/l	100
12) 1,1-Dichloroethene	4.07	96	95024	48.705	ug/l	97
13) Acrolein	3.93	56	27082	188.215	ug/l	99
14) Allyl chloride	4.71	41	178650	56.387	ug/l	96
15) Acrylonitrile	5.43	53	192693	440.869	ug/l	98
16) Acetone	4.17	43	133921	289.398	ug/l	98
17) Carbon Disulfide	4.40	76	309374	47.297	ug/l	97
18) Methyl Acetate	4.73	43	292587	281.123	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	306822	75.413	ug/l	95
20) Methylene Chloride	4.96	84	144884	72.393	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	115003	51.851	ug/l	94
22) Diisopropyl ether	6.37	45	383307	62.758	ug/l	98
23) Vinyl Acetate	6.31	43	189106	56.162	ug/l	98
24) 1,1-Dichloroethane	6.27	63	207497	54.772	ug/l	99
25) 2-Butanone	7.23	43	223716	382.101	ug/l	96
26) 2,2-Dichloropropane	7.21	77	164250	49.970	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	126148	53.694	ug/l	99
28) Bromochloromethane	7.56	49	94064	66.927	ug/l	96
29) Tetrahydrofuran	7.57	42	155980	454.683	ug/l	100
30) Chloroform	7.71	83	210333	55.109	ug/l	97
31) Cyclohexane	7.98	56	142492	38.282	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	166841	48.857	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136763	44.582	ug/l	99
37) Ethyl Acetate	7.30	43	78878	61.507	ug/l	99
38) Carbon Tetrachloride	8.10	117	142470	45.622	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	101578	28.166	ug/l	95
40) Benzene	8.36	78	455651	52.623	ug/l	99
41) Methacrylonitrile	7.53	41	48380	65.337	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	159685	67.083	ug/l	99
43) Isopropyl Acetate	8.46	43	158661	68.035	ug/l	99
44) Trichloroethene	9.11	130	109640	45.680	ug/l	97
45) 1,2-Dichloropropane	9.39	63	124172	57.672	ug/l	99
46) Dibromomethane	9.48	93	77087	69.586	ug/l	99
47) Bromodichloromethane	9.67	83	170395	58.365	ug/l	96
48) Methyl methacrylate	9.46	41	112891	104.728	ug/l	98
49) 1,4-Dioxane	9.47	88	22522	1733.413	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	510150	430.695	ug/l	99
52) Toluene	10.41	92	256893	47.931	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	166363	61.478	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	194799	59.614	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	105348	67.564	ug/l	95
56) Ethyl methacrylate	10.67	69	95904	53.289	ug/l	98
57) 1,3-Dichloropropane	10.95	76	183083	68.989	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	180527	318.168	ug/l	99
59) 2-Hexanone	10.99	43	335299	395.447	ug/l	98
60) Dibromochloromethane	11.14	129	125192	62.731	ug/l	99
61) 1,2-Dibromoethane	11.25	107	103448	70.072	ug/l	96
64) Tetrachloroethene	10.88	164	76801	41.518	ug/l	96
65) Chlorobenzene	11.67	112	244674	46.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	117084	59.945	ug/l	98
67) Ethyl Benzene	11.75	91	396024	43.202	ug/l	97
68) m/p-Xylenes	11.86	106	305513	87.111	ug/l	100
69) o-Xylene	12.18	106	146697	47.212	ug/l	99
70) Styrene	12.20	104	244819	44.378	ug/l	100
71) Bromoform	12.37	173	76345	70.439	ug/l #	98
73) Isopropylbenzene	12.48	105	327542	57.204	ug/l	99
74) N-amyl acetate	12.29	43	55113	43.317	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	114938	111.224	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	76108m	103.428	ug/l	
77) Bromobenzene	12.77	156	94093	66.177	ug/l	90
78) n-propylbenzene	12.83	91	333285	48.436	ug/l	100
79) 2-Chlorotoluene	12.91	91	206682	53.618	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	256970	54.489	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	37825	110.987	ug/l	97
82) 4-Chlorotoluene	13.01	91	210924	51.542	ug/l	99
83) tert-Butylbenzene	13.23	119	213712	54.069	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	255889	54.210	ug/l	98
85) sec-Butylbenzene	13.41	105	228701	40.155	ug/l	100
86) p-Isopropyltoluene	13.53	119	210802	40.473	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	123225	44.830	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	124890	46.037	ug/l	99
89) n-Butylbenzene	13.85	91	137897	28.731	ug/l	97
90) Hexachloroethane	14.12	117	52102	49.266	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	117779	49.904	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16776	105.344	ug/l	96

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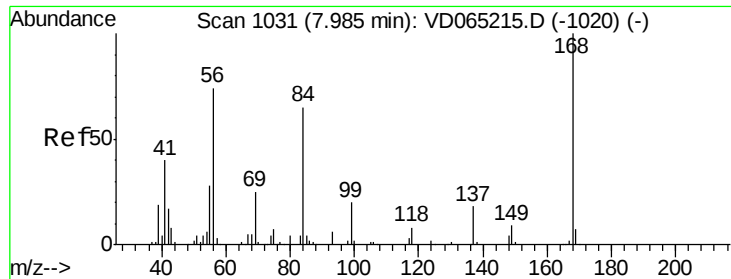
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	40500	26.234	ug/l	97
94) Hexachlorobutadiene	15.28	225	23326	23.554	ug/l	99
95) Naphthalene	15.41	128	102847	40.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	36839	27.323	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion:168 Resp: 210432

Ion Ratio Lower Upper

168 100

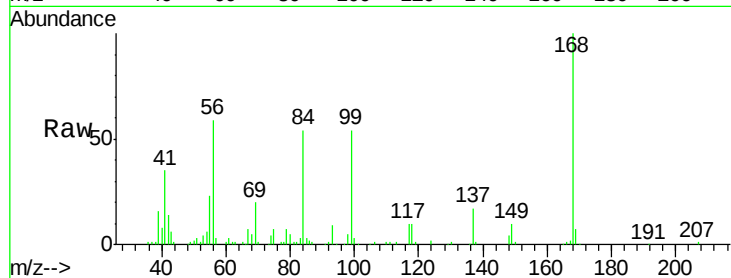
99 53.5 41.4 62.2

Manual Integrations

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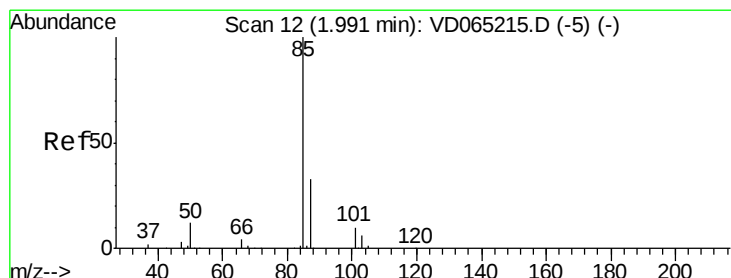
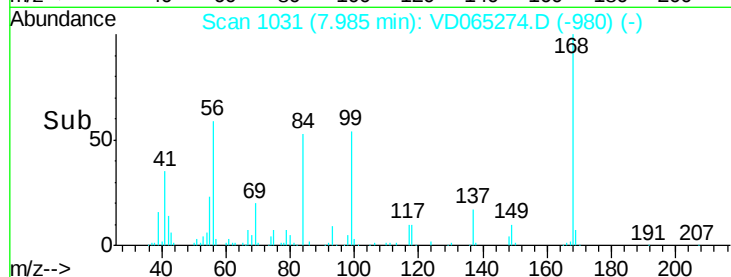
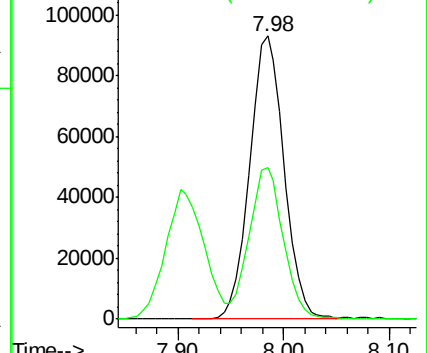
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 52.862 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065274.D

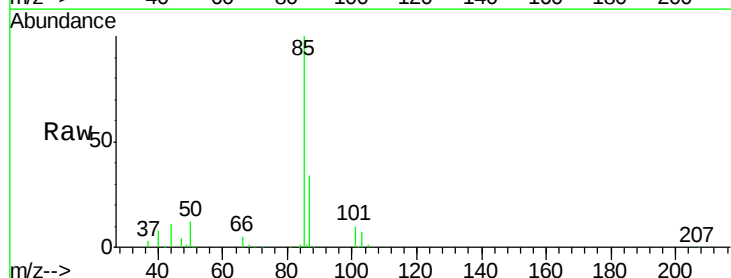
Acq: 21 Feb 2020 14:38

Tgt Ion: 85 Resp: 93299

Ion Ratio Lower Upper

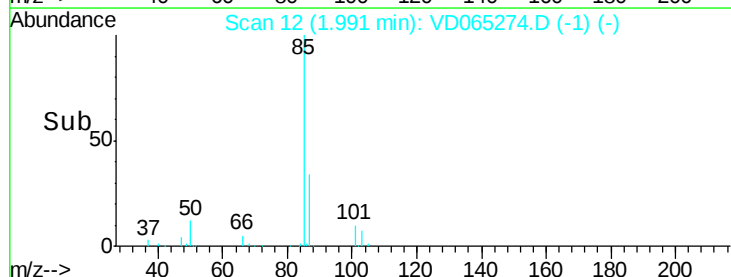
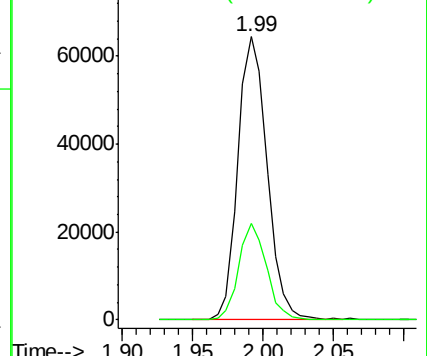
85 100

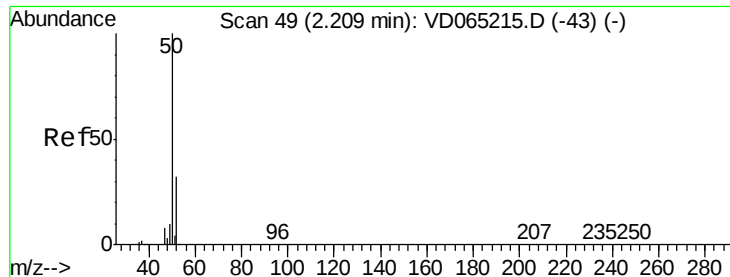
87 34.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 53.380 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

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ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 50 Resp: 119919

Ion Ratio Lower Upper

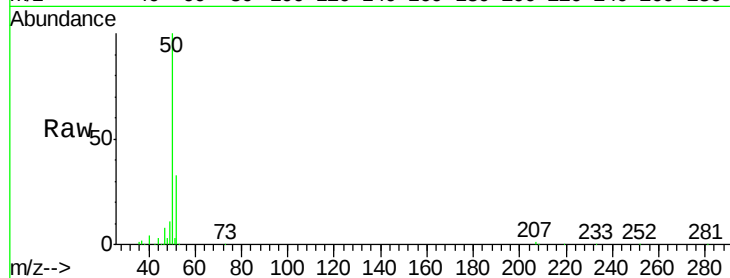
50 100

52 33.4 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

100000

80000

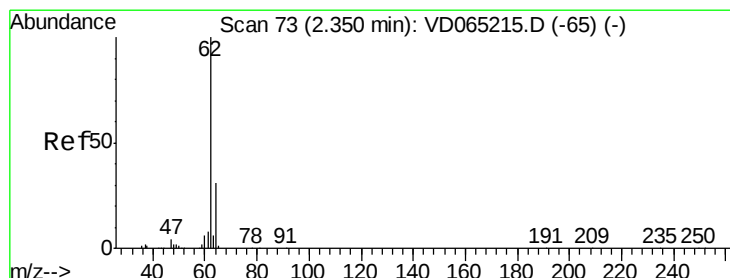
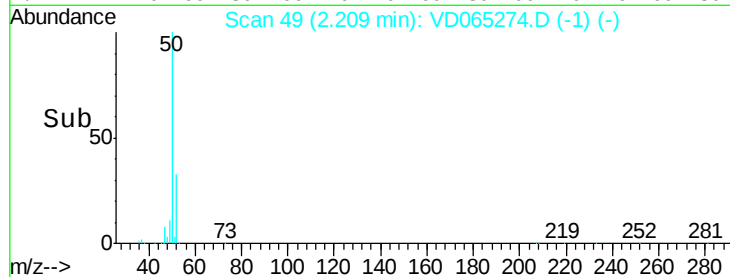
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 50.837 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065274.D

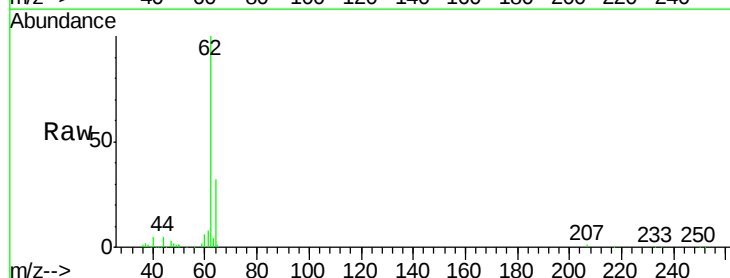
Acq: 21 Feb 2020 14:38

Tgt Ion: 62 Resp: 116131

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

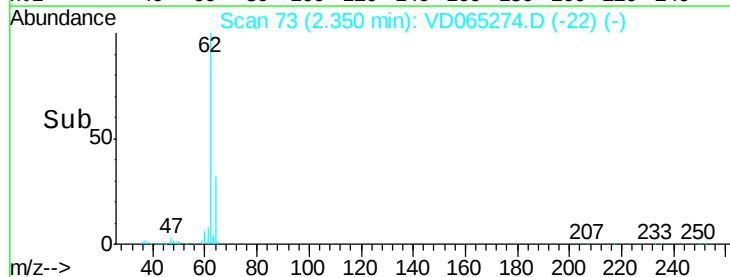
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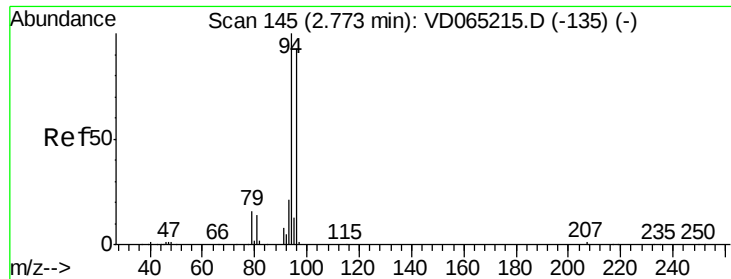
40000

20000

0

Time-->





#5

Bromomethane

Concen: 52.150 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

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ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 94 Resp: 72029

Ion Ratio Lower Upper

94 100

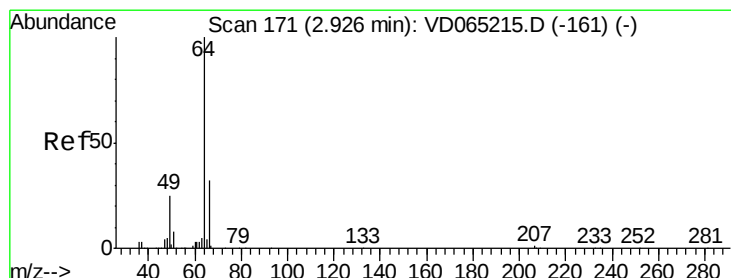
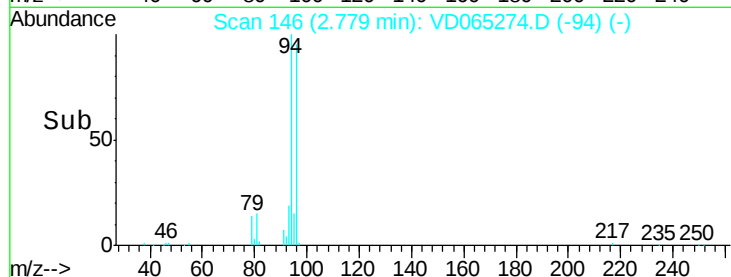
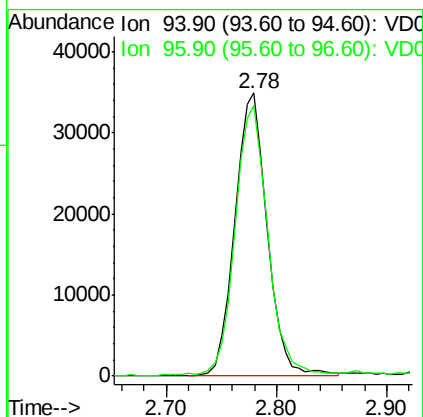
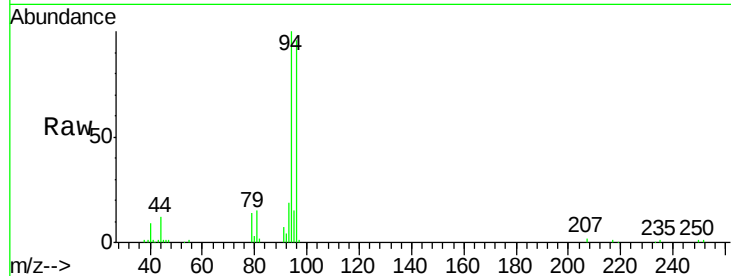
96 94.8 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 53.280 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065274.D

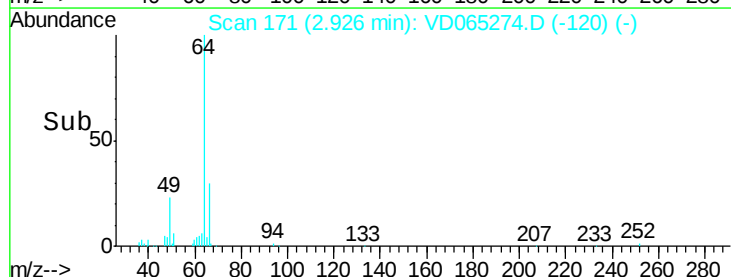
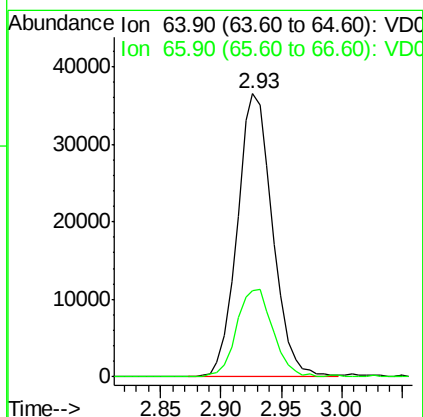
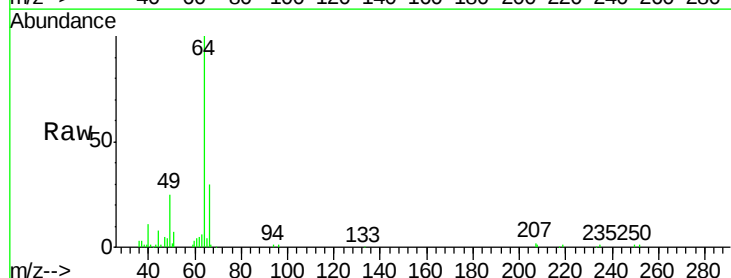
Acq: 21 Feb 2020 14:38

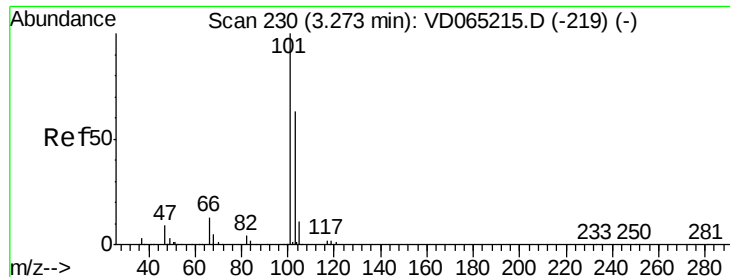
Tgt Ion: 64 Resp: 74294

Ion Ratio Lower Upper

64 100

66 30.3 25.7 38.5





#7

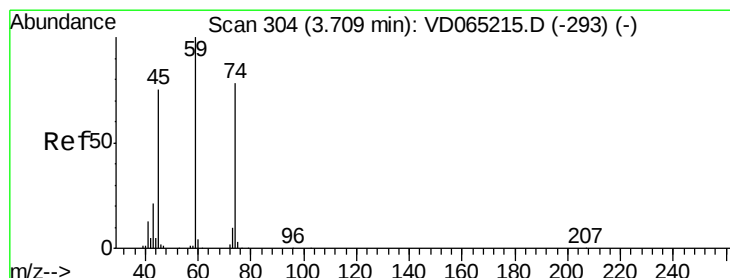
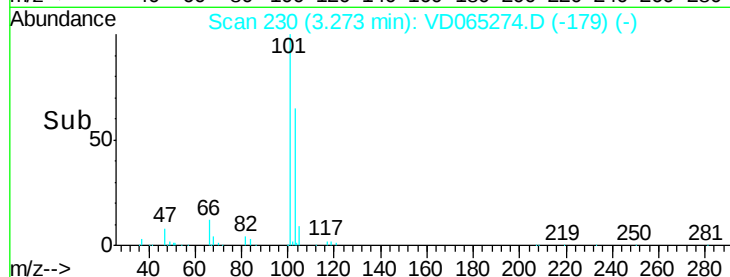
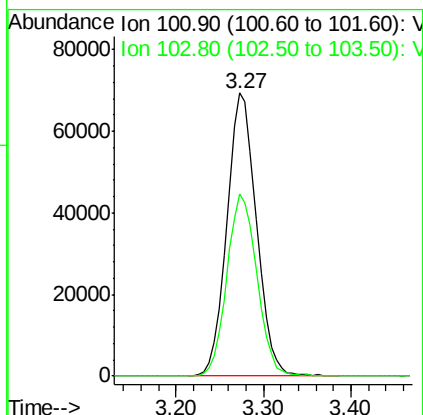
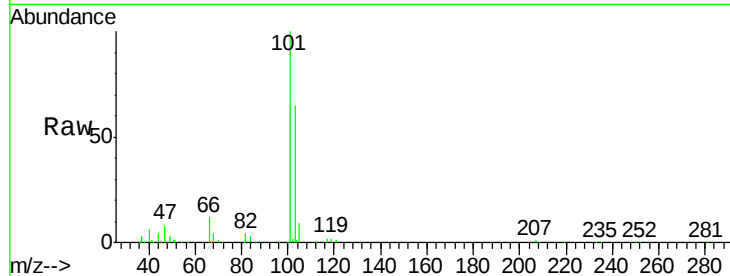
Trichlorofluoromethane
Concen: 48.869 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065274.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.7	76.1

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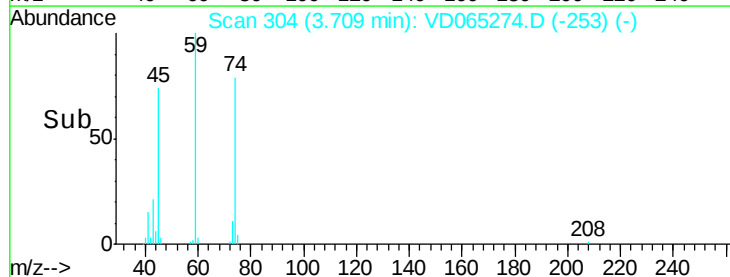
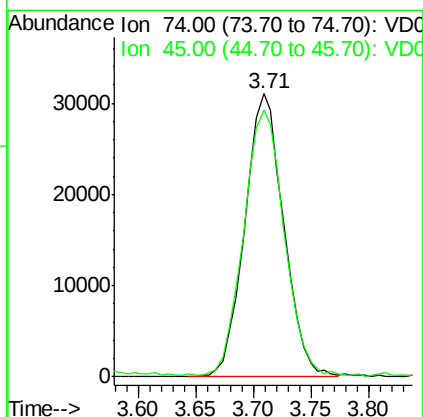
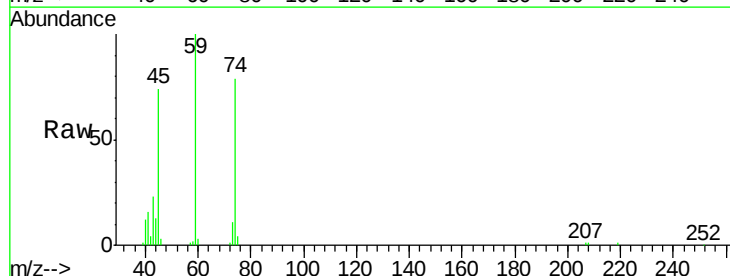
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2/24/2020 11:08:50 AM



#8

Diethyl Ether
Concen: 73.815 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065274.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.577 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

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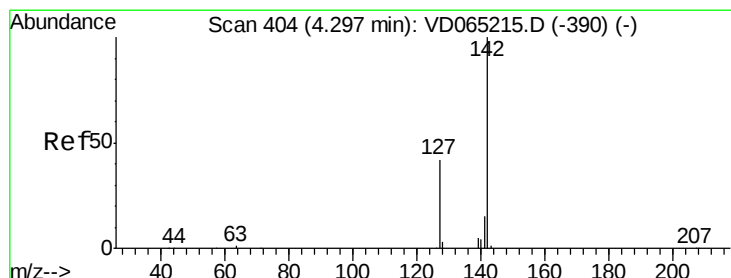
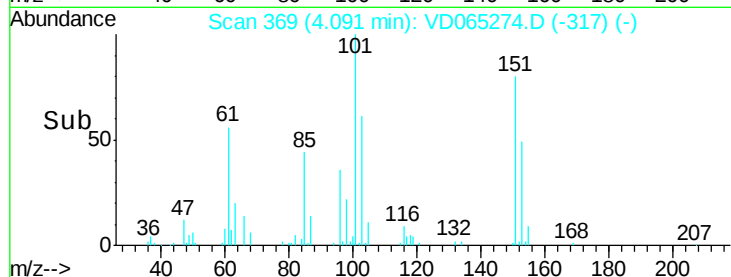
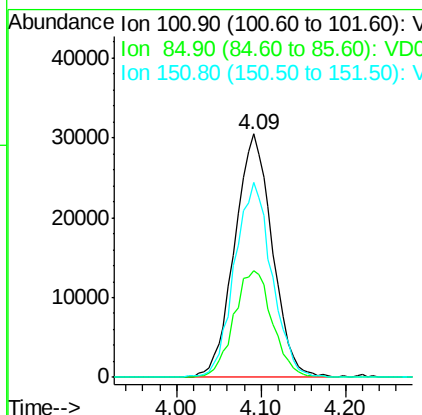
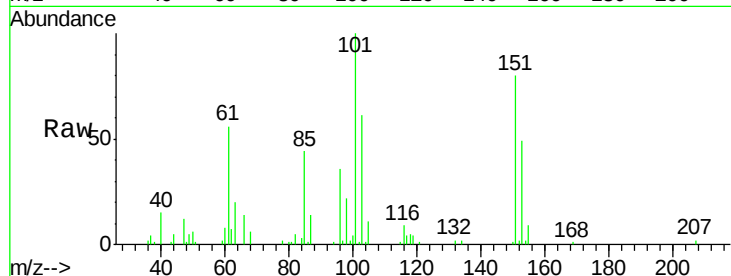
ClientSampleId :

DUNR-TS001-01MS

Tot Ion:	101	Resp:	94132
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.2	51.2
151	79.3	63.5	95.3

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#10

Methyl Iodide

Concen: 54.870 ug/l

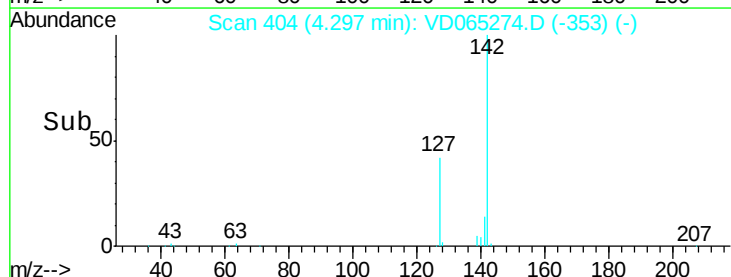
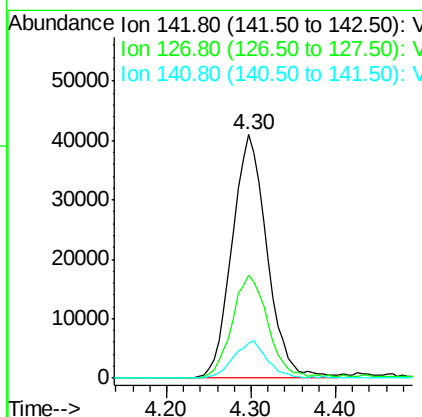
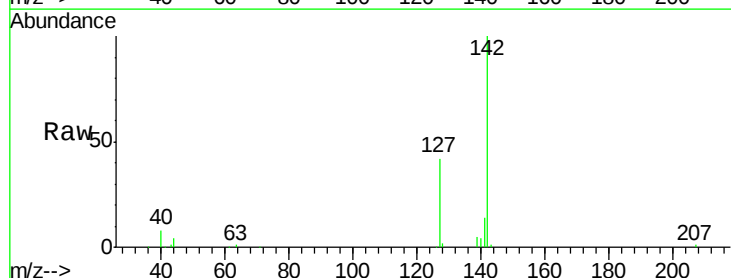
RT: 4.30 min Scan# 404

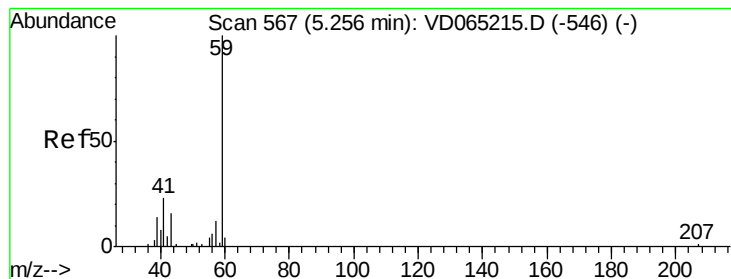
Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Tgt Ion:	142	Resp:	117664
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.8	50.8
141	14.4	11.7	17.5





#11

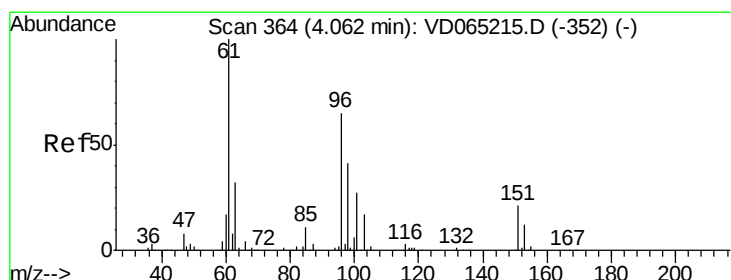
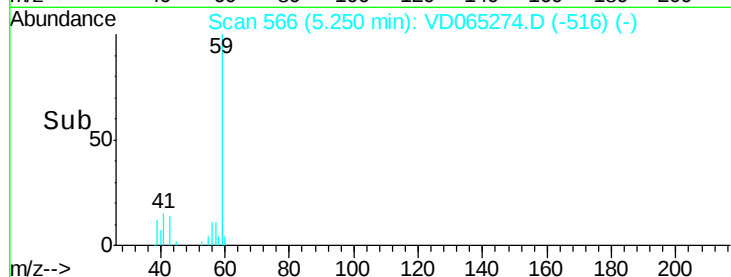
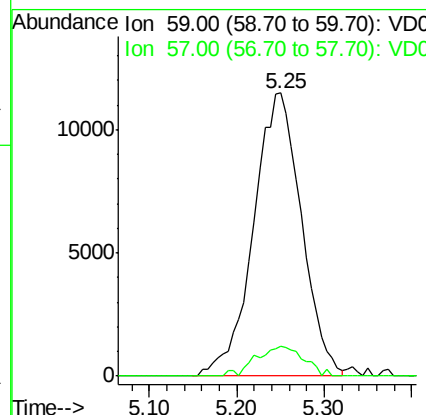
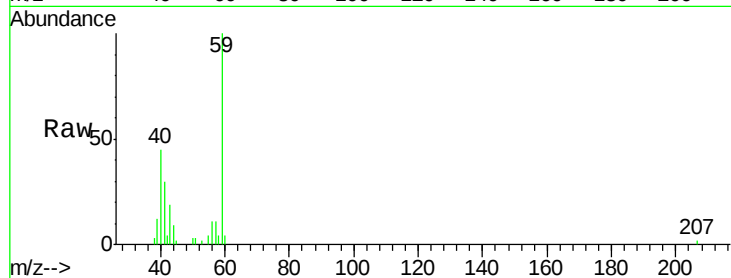
Tert butyl alcohol
Concen: 382.727 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

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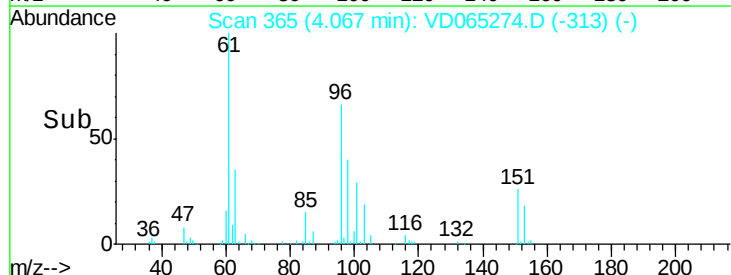
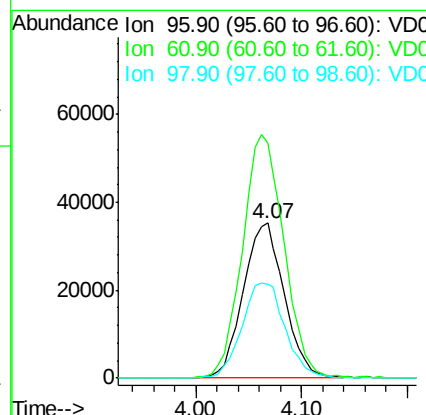
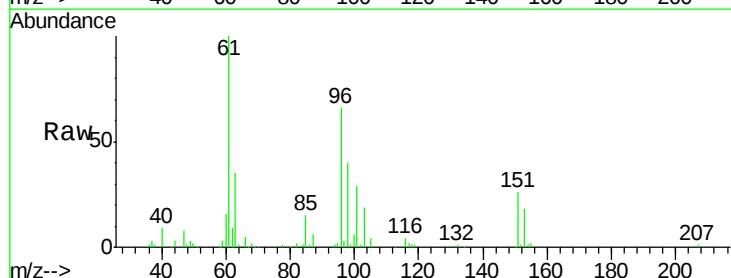
MMDadoda
2/24/2020 11:08:50 AM



#12

1,1-Dichloroethene
Concen: 48.705 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.2	123.3	184.9
98	60.5	51.0	76.4





#13

Acrolein

Concen: 188.215 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 56 Resp: 27082

Ion Ratio Lower Upper

56 100

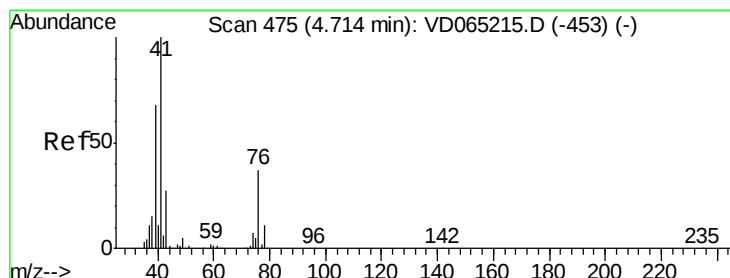
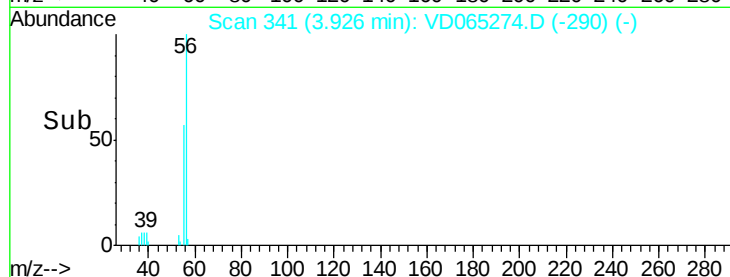
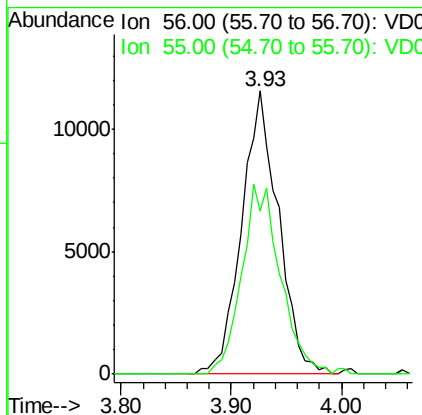
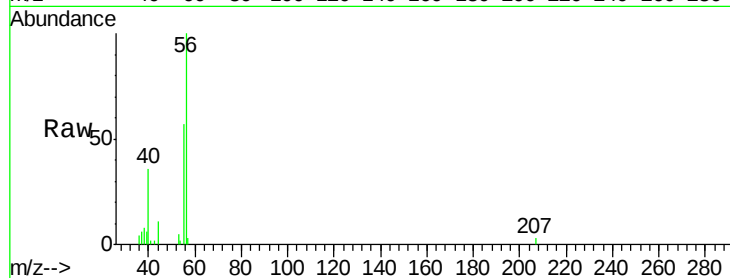
55 70.0 56.6 85.0

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#14

Allyl chloride

Concen: 56.387 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

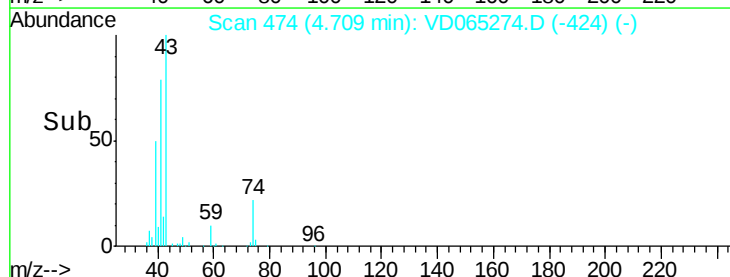
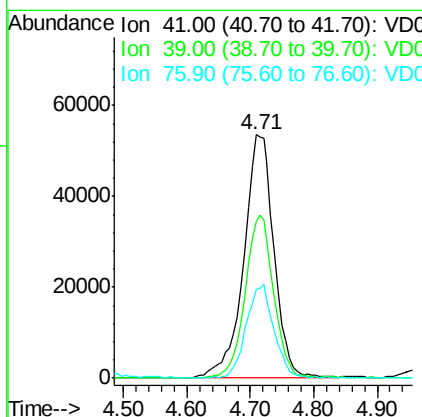
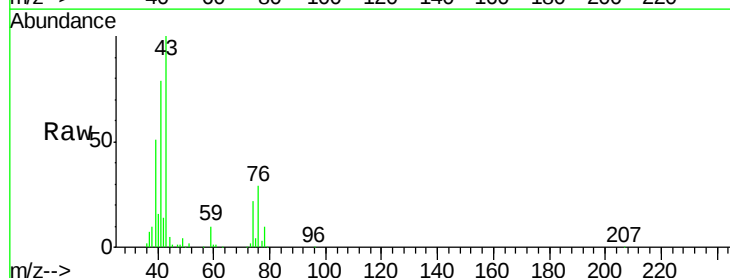
Tgt Ion: 41 Resp: 178650

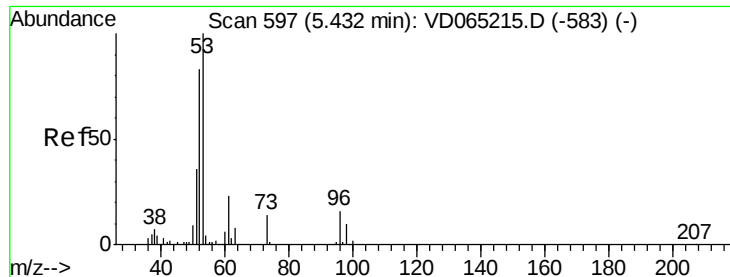
Ion Ratio Lower Upper

41 100

39 62.9 53.8 80.6

76 35.0 28.7 43.1





#15

Acrylonitrile

Concen: 440.869 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

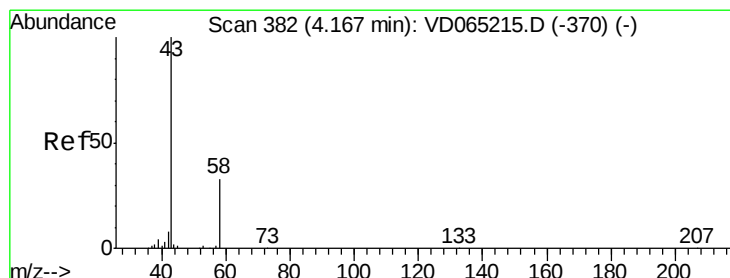
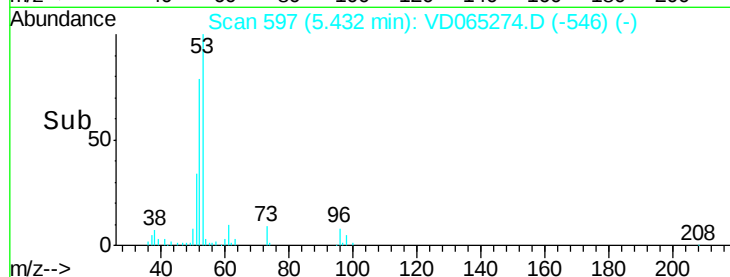
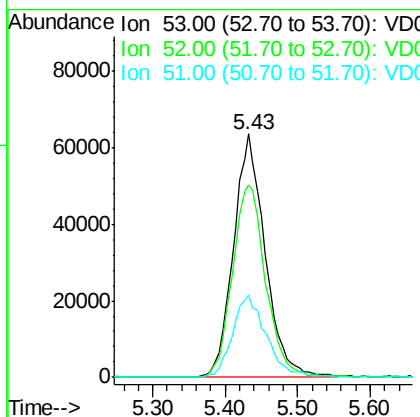
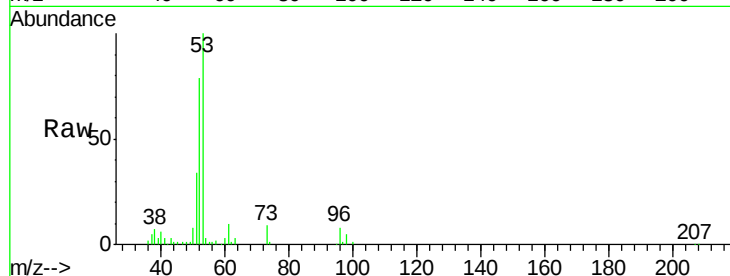
ClientSampleId :

DUNR-TS001-01MS

Tot Ion:	53	Resp:	192693
Ion Ratio	Lower	Upper	
53	100		
52	83.3	65.4	98.2
51	35.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 289.398 ug/l

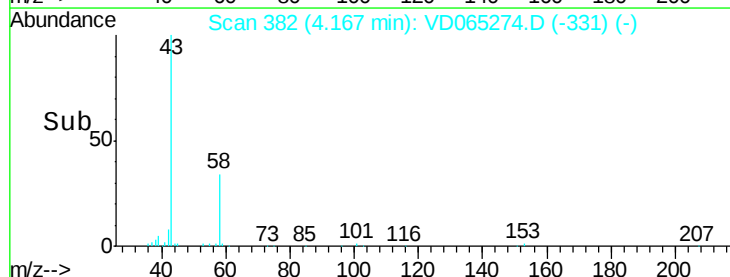
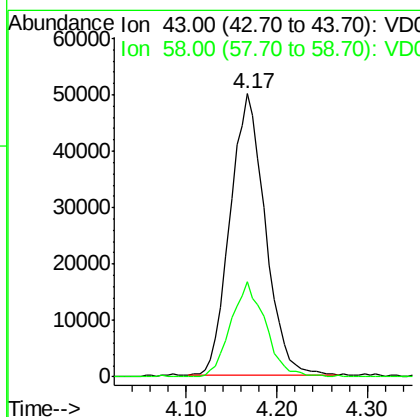
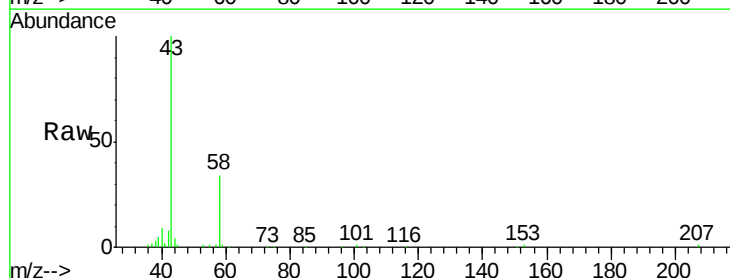
RT: 4.17 min Scan# 382

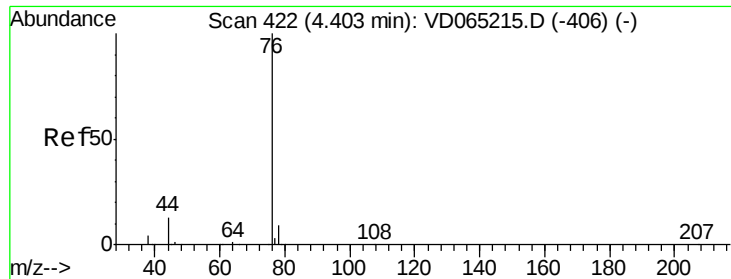
Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Tgt Ion:	43	Resp:	133921
Ion Ratio	Lower	Upper	
43	100		
58	33.9	26.2	39.2





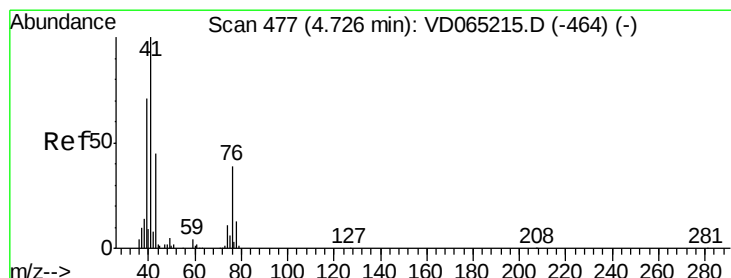
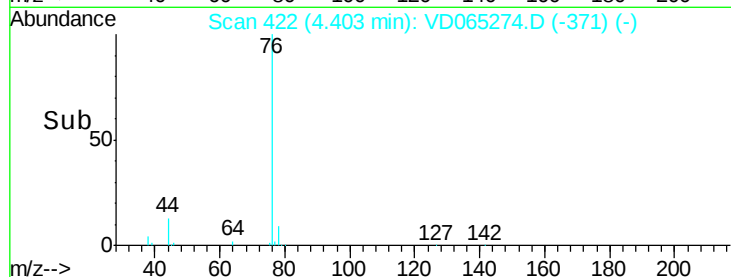
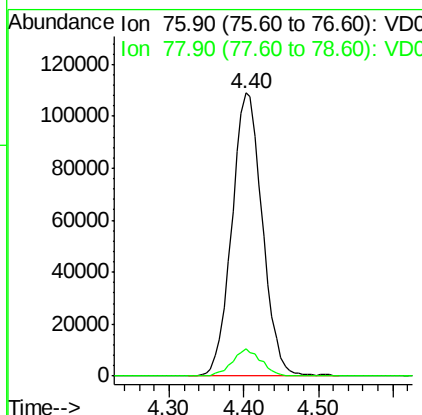
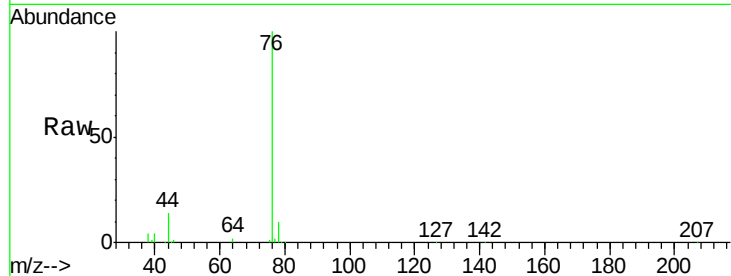
#17
Carbon Disulfide
Concen: 47.297 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.6

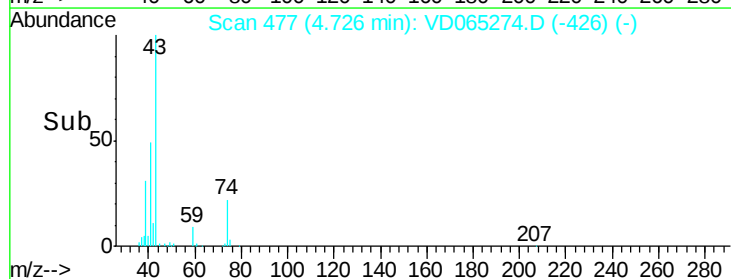
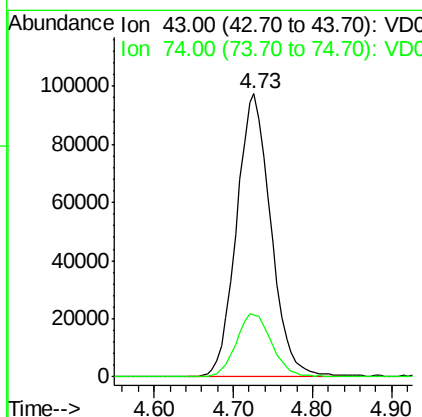
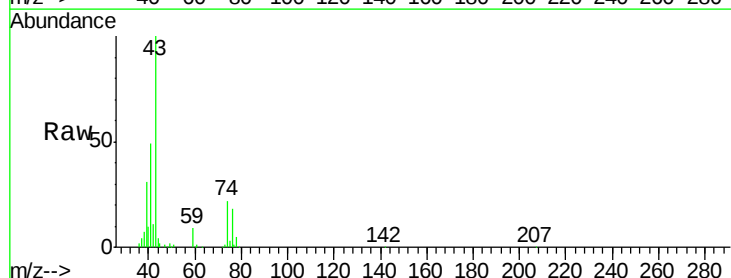
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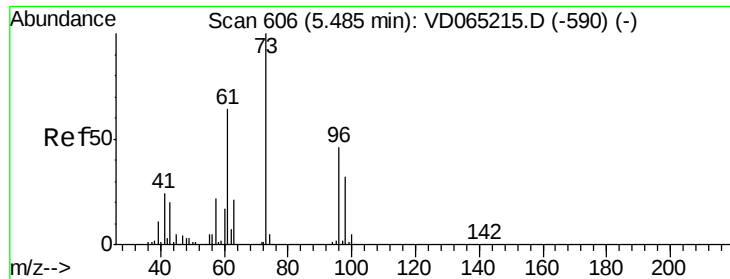
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#18
Methyl Acetate
Concen: 281.123 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.4	29.2





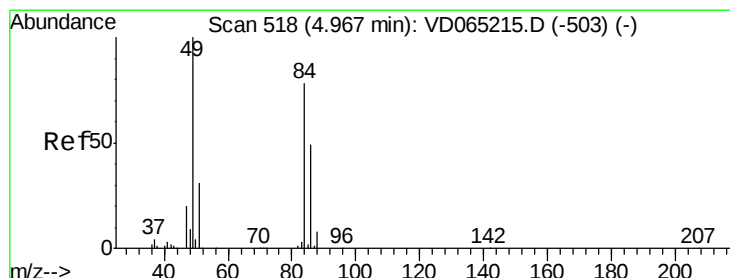
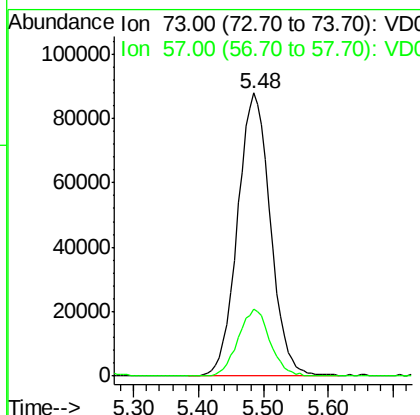
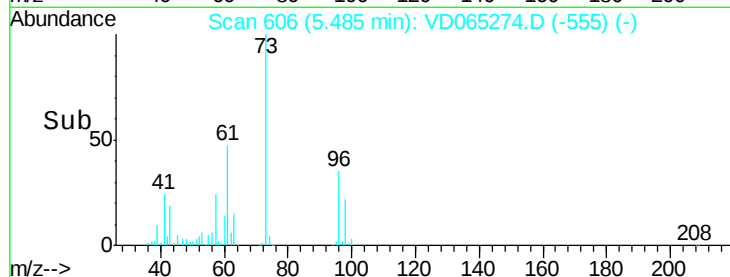
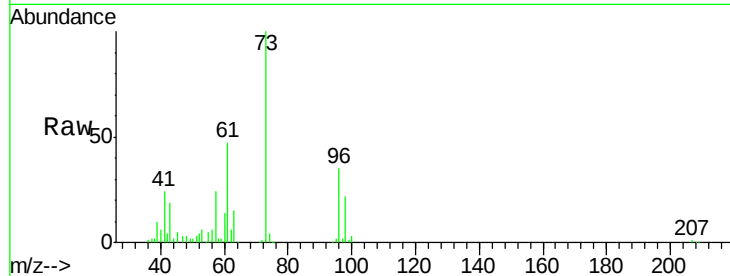
#19
Methvl tert-butvl Ether
Concen: 75.413 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion: 73 Resp: 306822
Ion Ratio Lower Upper
73 100
57 23.9 17.3 25.9

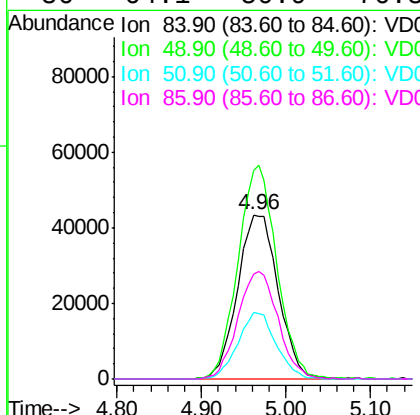
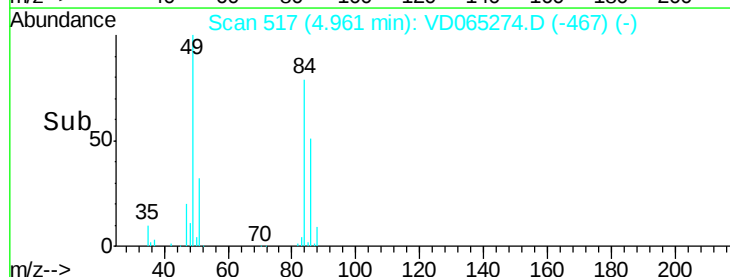
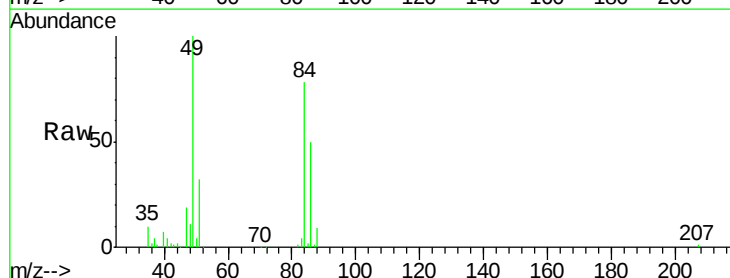
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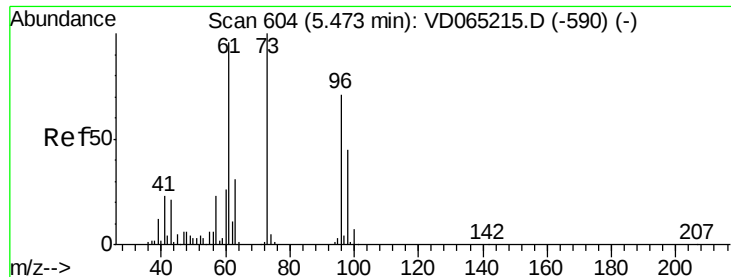
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#20
Methylene Chloride
Concen: 72.393 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion: 84 Resp: 144884
Ion Ratio Lower Upper
84 100
49 127.6 103.1 154.7
51 41.0 31.7 47.5
86 64.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 51.851 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 96 Resp: 115003

Ion Ratio Lower Upper

96 100

61 127.1 108.3 162.5

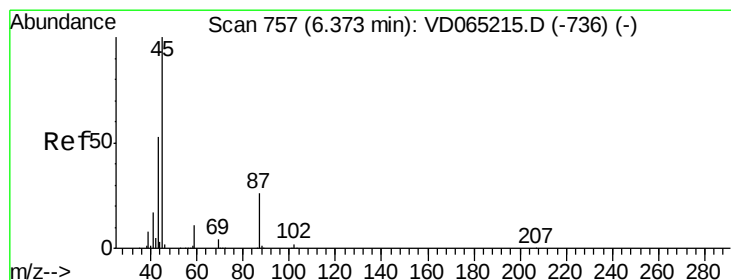
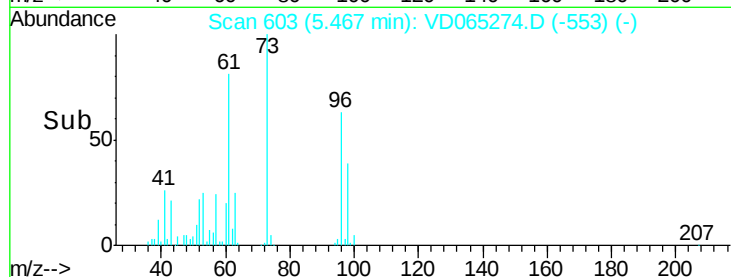
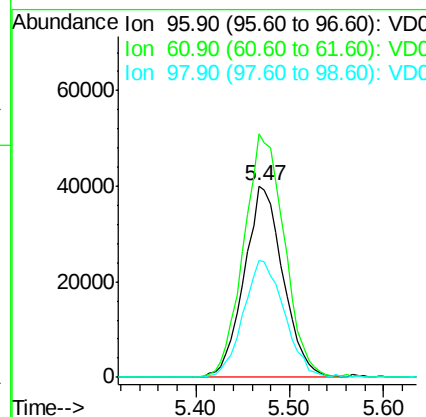
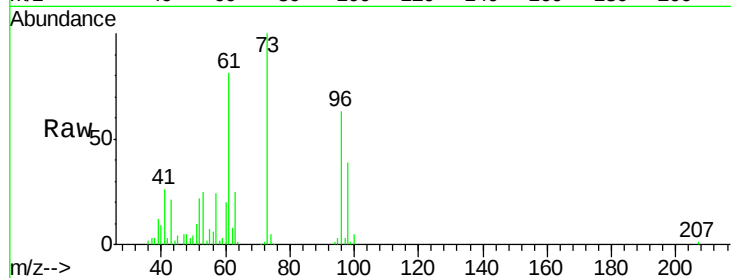
98 61.0 50.7 76.1

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#22

Diisopropyl ether

Concen: 62.758 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Tgt Ion: 45 Resp: 383307

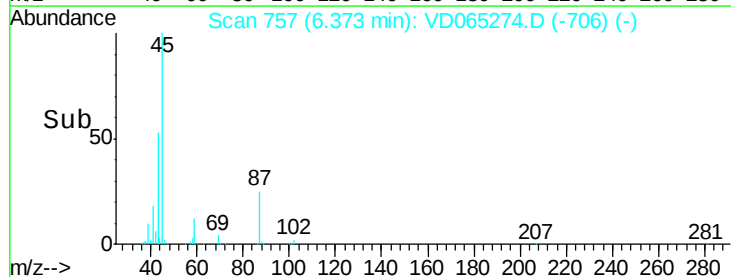
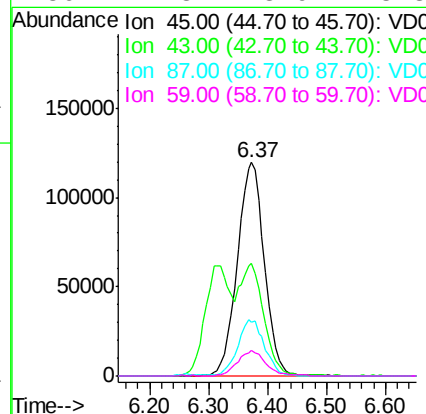
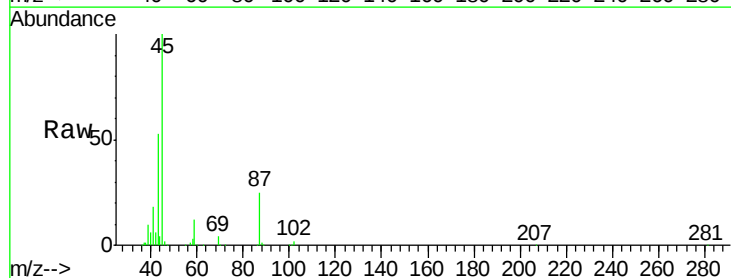
Ion Ratio Lower Upper

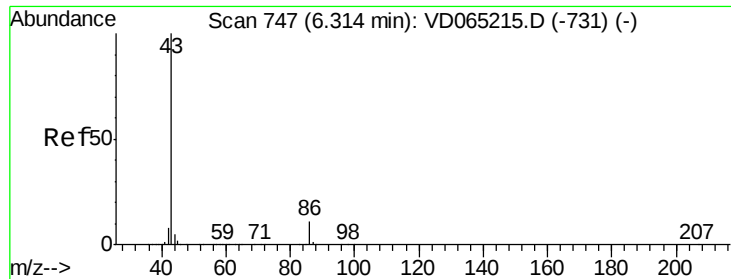
45 100

43 52.7 42.6 64.0

87 25.0 21.2 31.8

59 11.8 8.9 13.3





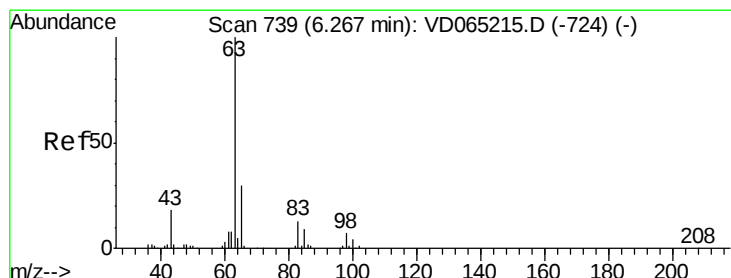
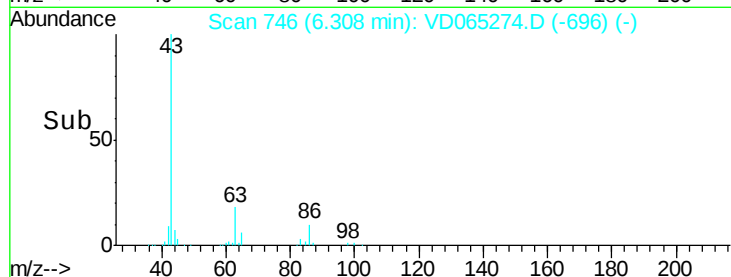
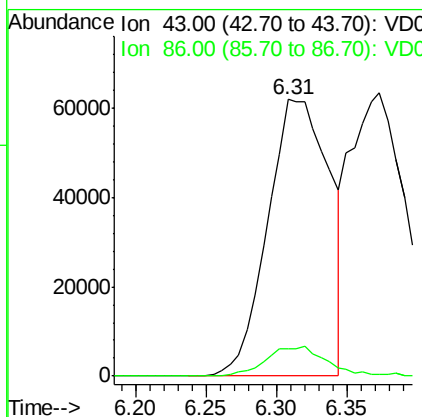
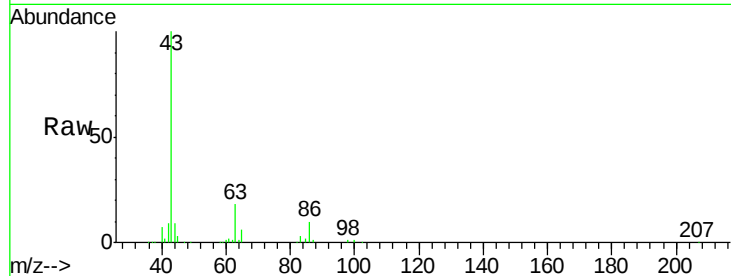
#23
 Vinyl Acetate
 Concen: 56.162 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MS

Tot Ion	43	Resp	189106
Ion Ratio	100	Lower	Upper
43	100		
86	9.9	8.6	12.8

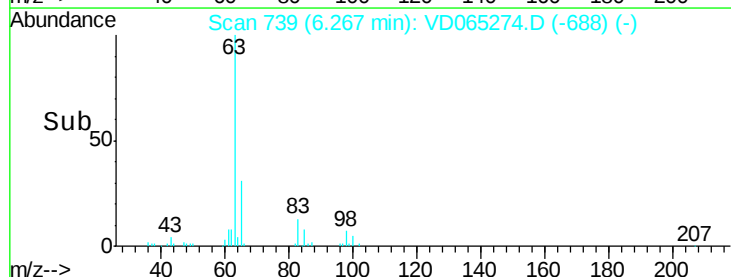
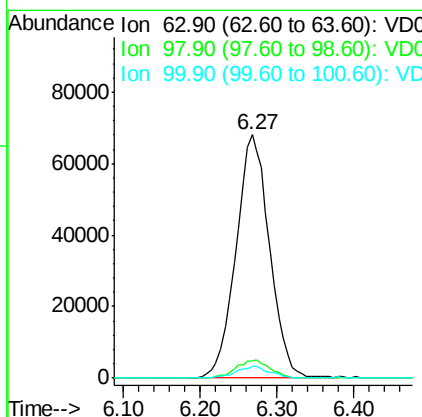
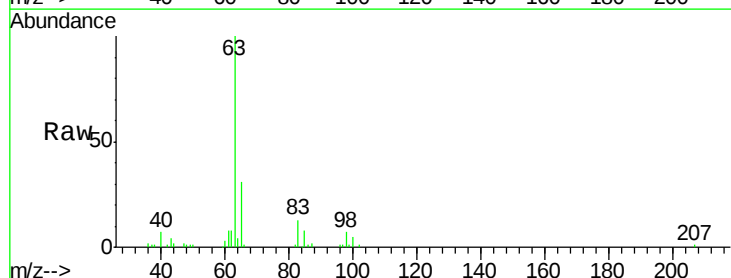
Manual Integrations
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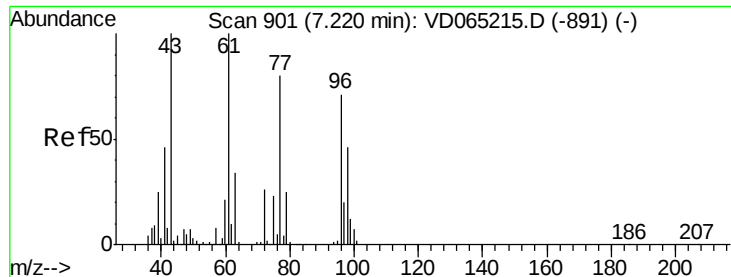
MMDadoda
 2/24/2020 11:08:50 AM



#24
 1,1-Dichloroethane
 Concen: 54.772 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion	63	Resp	207497
Ion Ratio	100	Lower	Upper
63	100		
98	7.1	3.4	10.1
100	4.7	2.3	6.8





#25

2-Butanone

Concen: 382.101 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 43 Resp: 223716

Ion Ratio Lower Upper

43 100

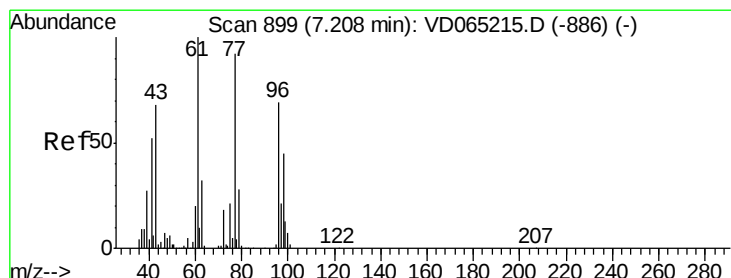
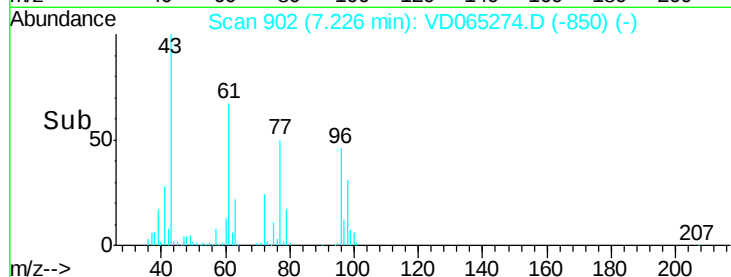
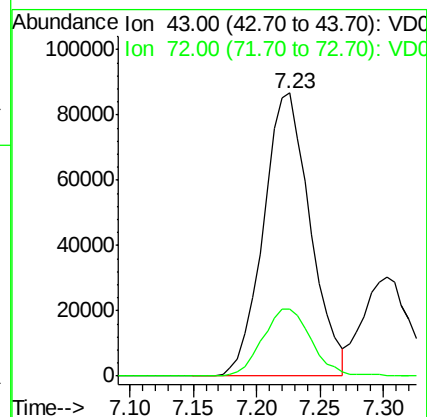
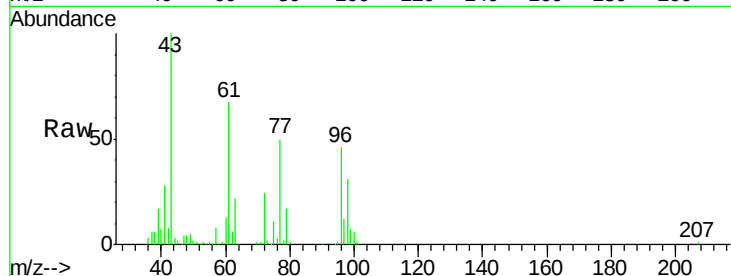
72 23.9 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.970 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065274.D

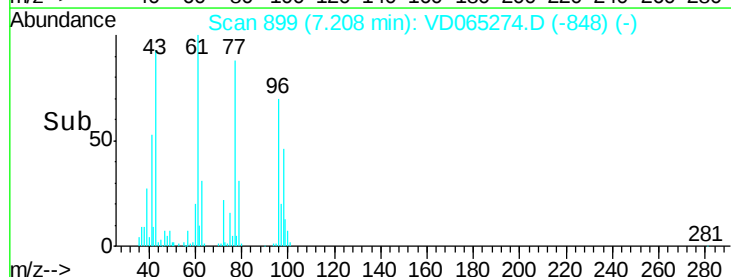
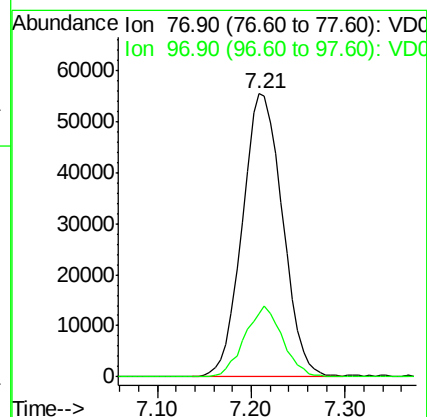
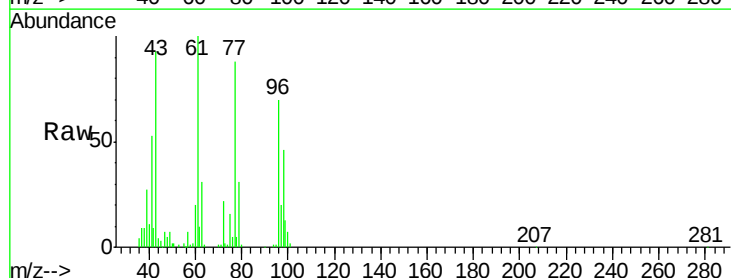
Acq: 21 Feb 2020 14:38

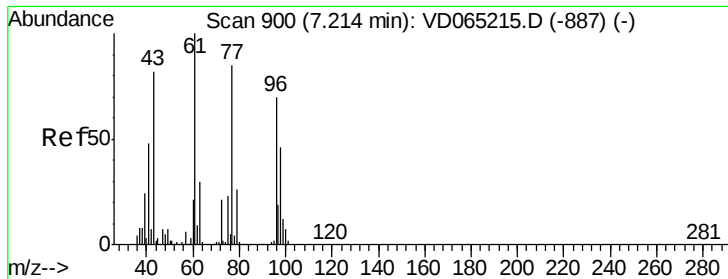
Tgt Ion: 77 Resp: 164250

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





#27

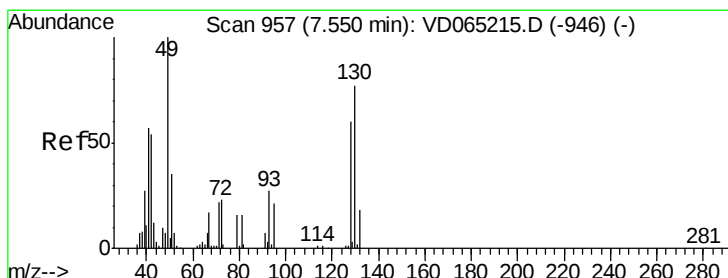
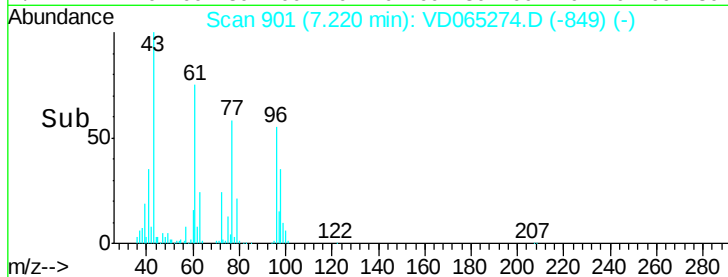
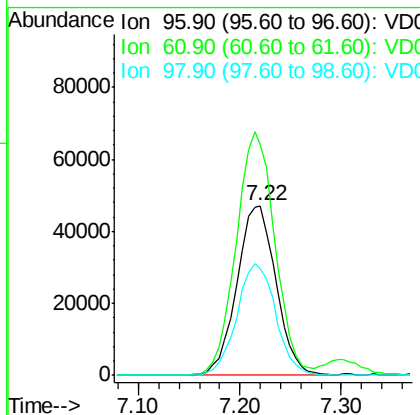
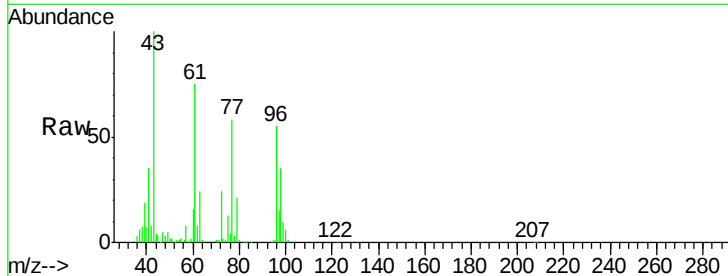
cis-1,2-Dichloroethene
Concen: 53.694 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	286.0
98	65.7	0.0	127.8

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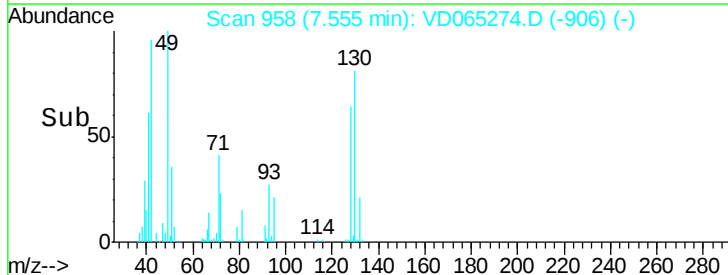
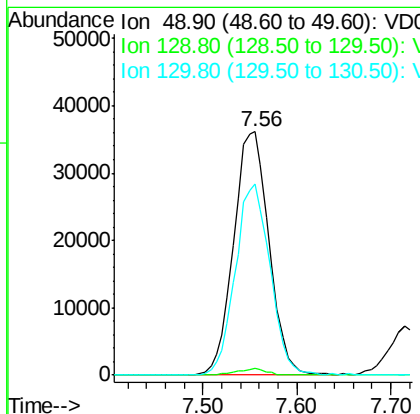
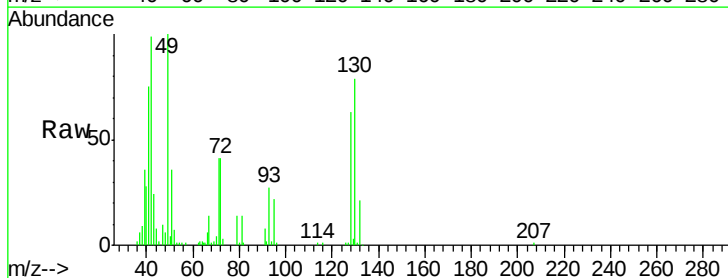
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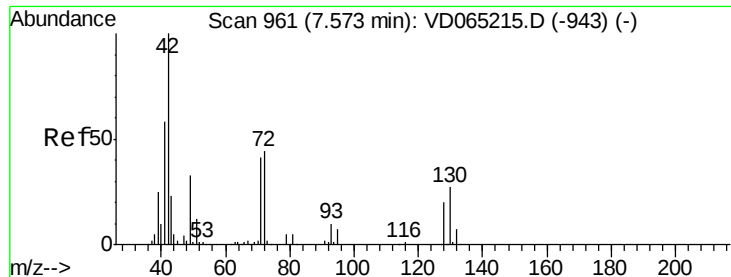


#28

Bromochloromethane
Concen: 66.927 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	77.3	64.7	97.1





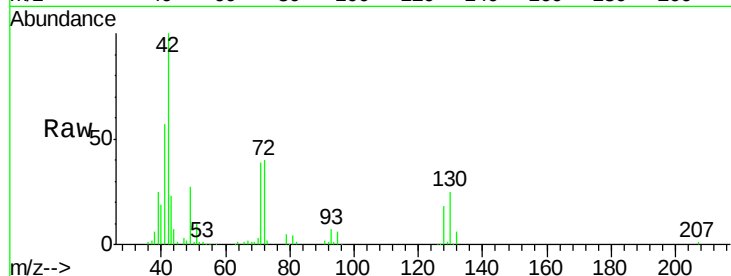
#29
Tetrahydrofuran
Concen: 454.683 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

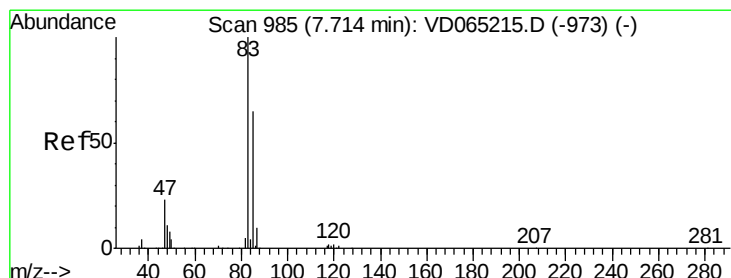
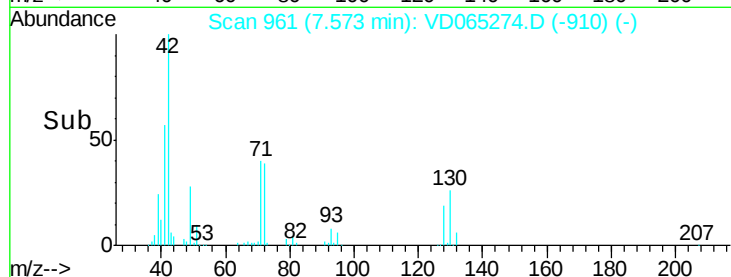
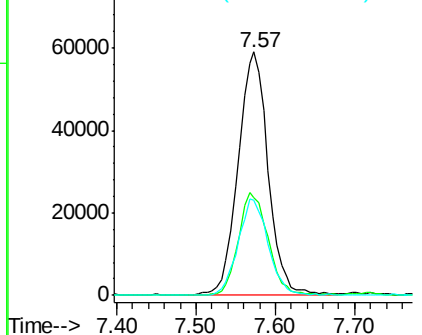
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	39.3	31.4	47.2

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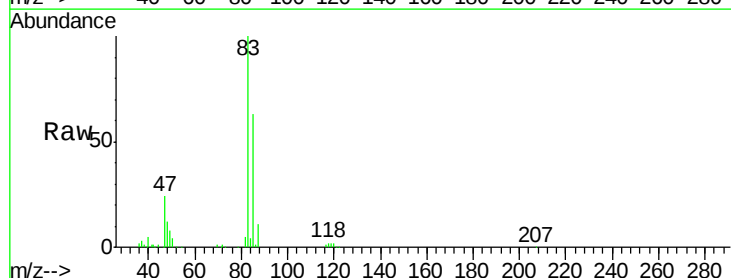


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

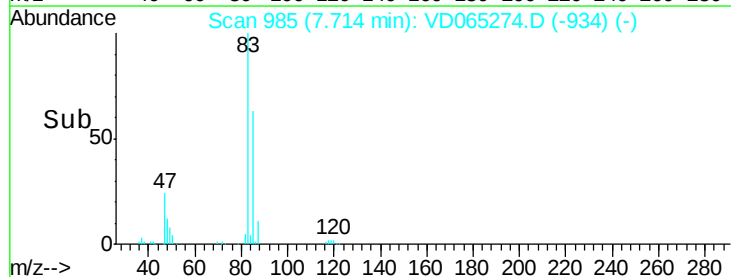
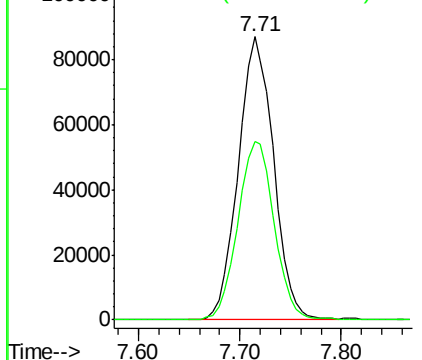


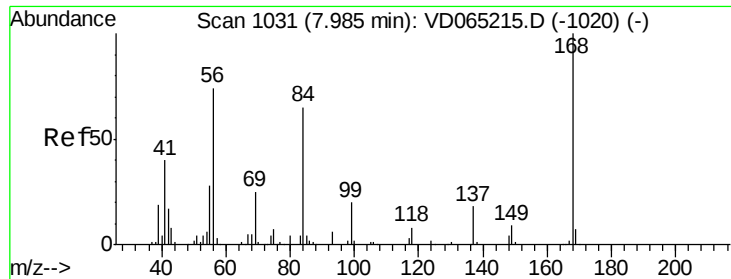
#30
Chloroform
Concen: 55.109 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.3	78.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





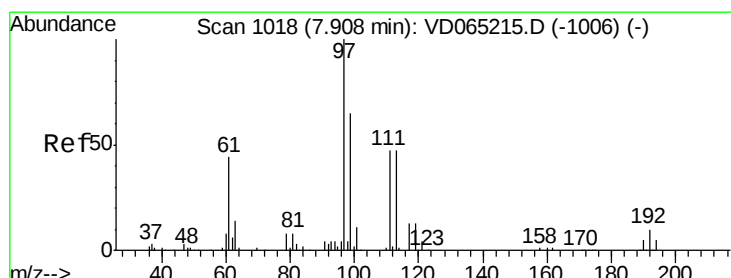
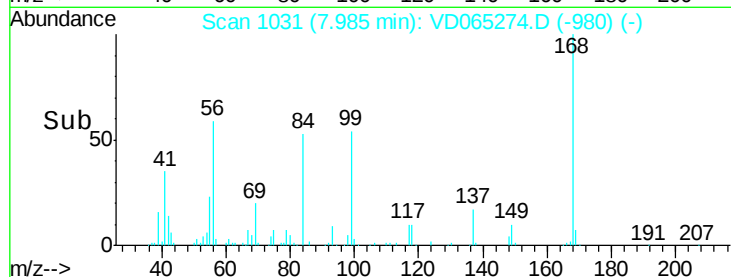
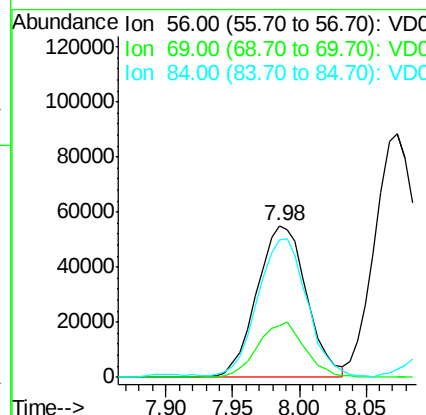
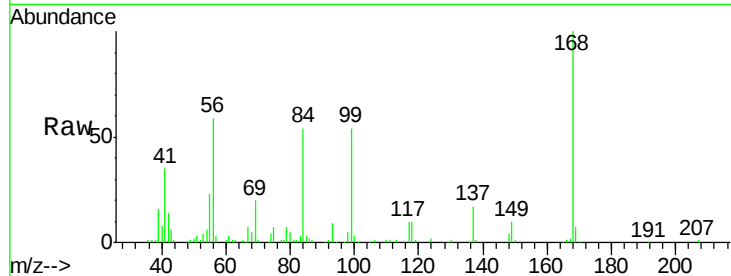
#31
Cyclohexane
Concen: 38.282 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.4	41.0
84	89.2	71.1	106.7

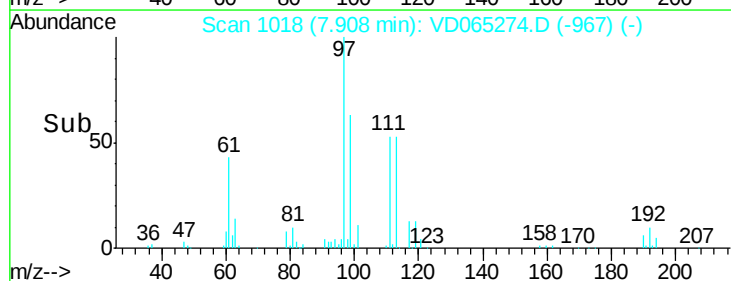
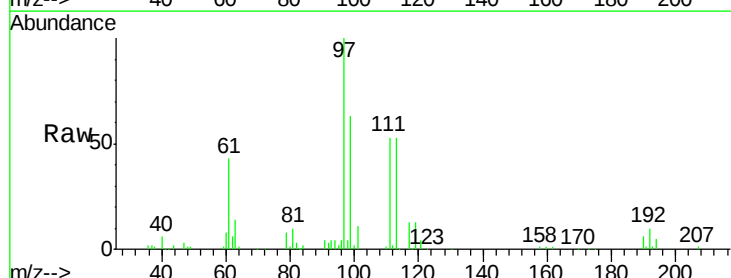
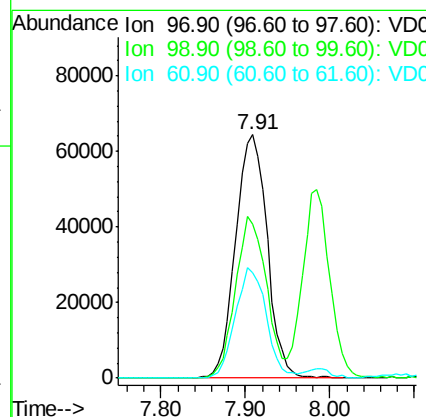
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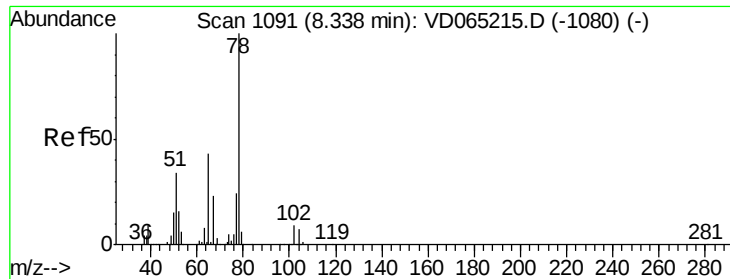
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#32
1,1,1-Trichloroethane
Concen: 48.857 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	44.3	34.8	52.2





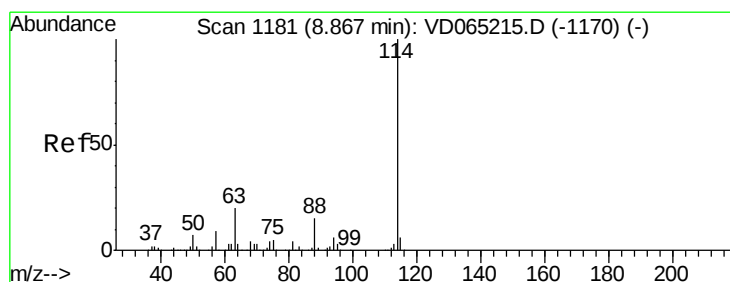
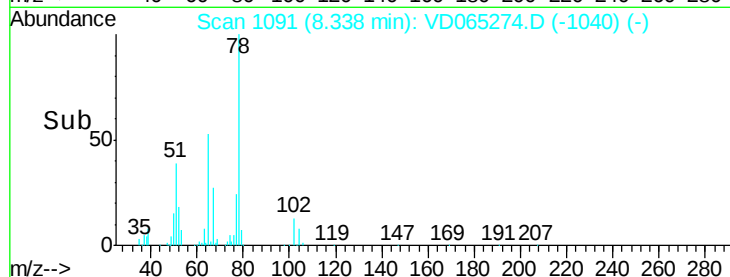
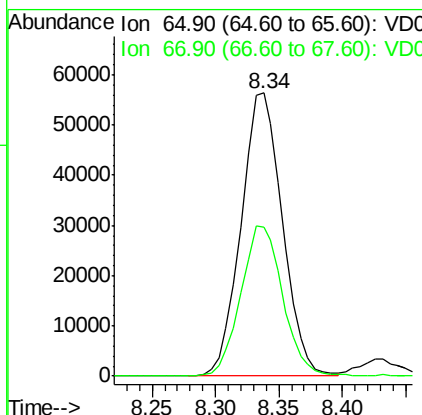
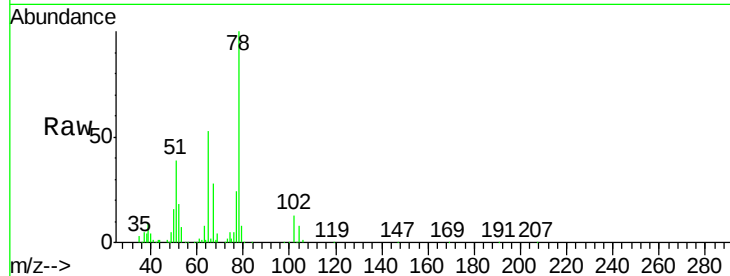
#33
 1,2-Dichloroethane-d4
 Concen: 67.599 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.8

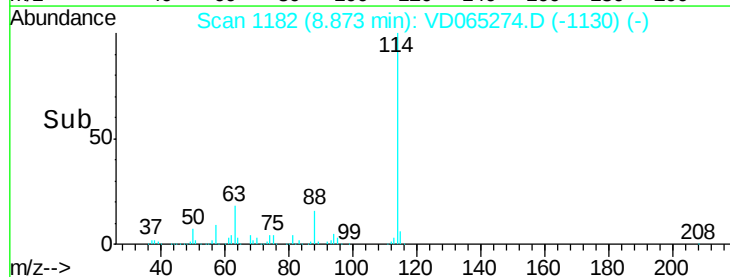
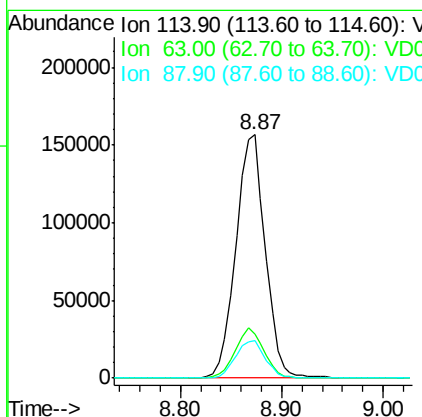
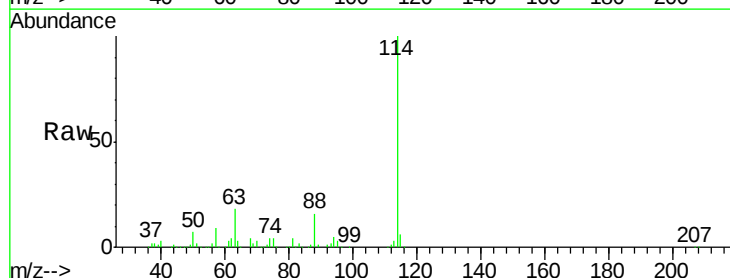
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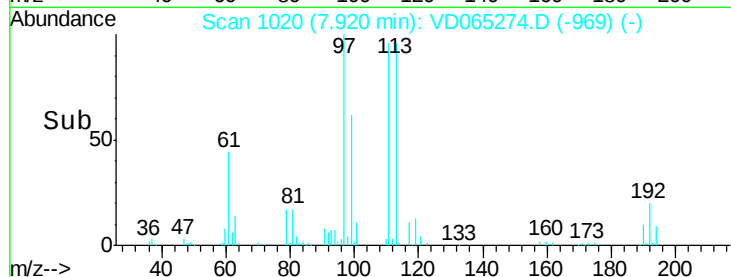
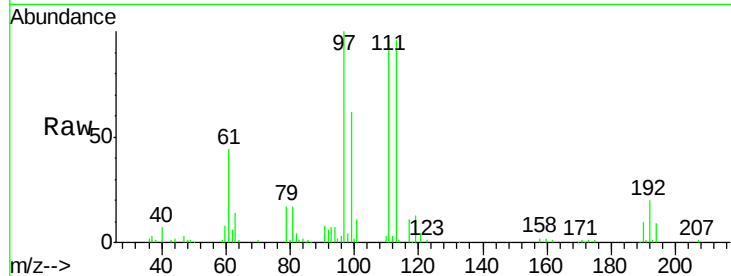
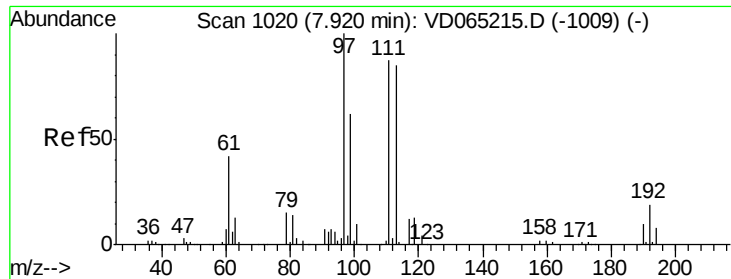
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	39.4
88	15.6	0.0	30.4





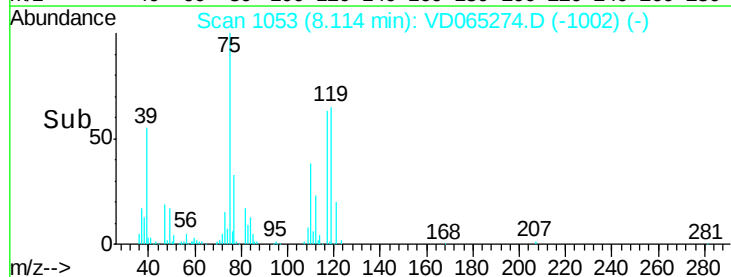
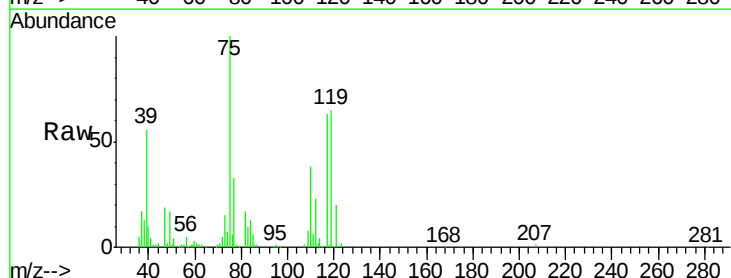
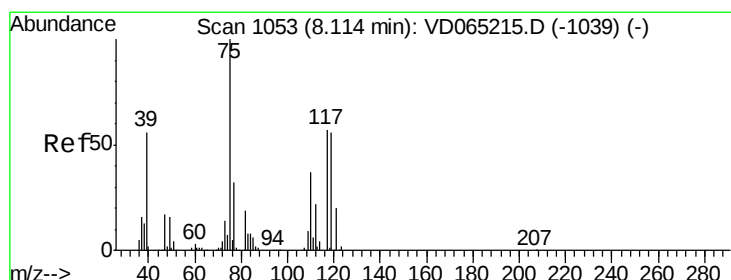
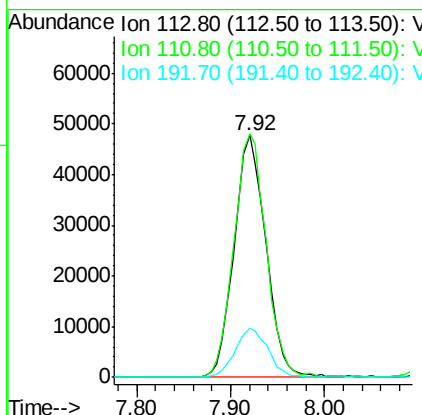
#35
Dibromofluoromethane
Concen: 58.125 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111739		
111	102.3	82.9	124.3	
192	20.9	17.3	25.9	

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

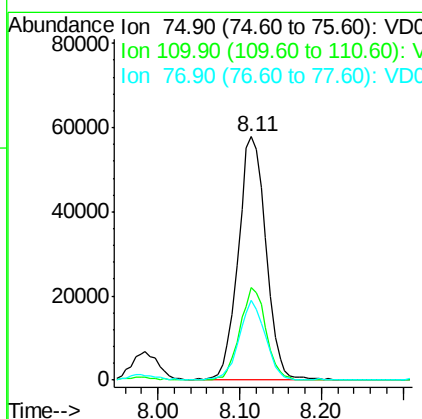
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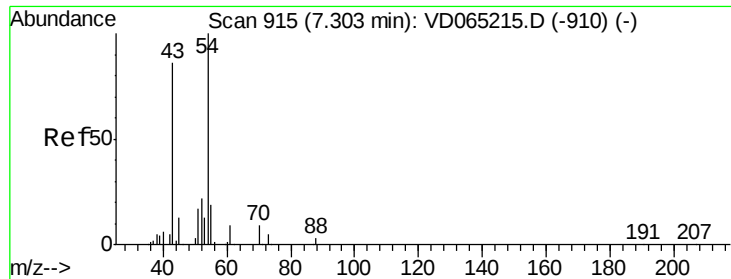
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#36
1,1-Dichloropropene
Concen: 44.582 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	136763		
110	35.9	17.9	53.7	
77	30.8	25.1	37.7	





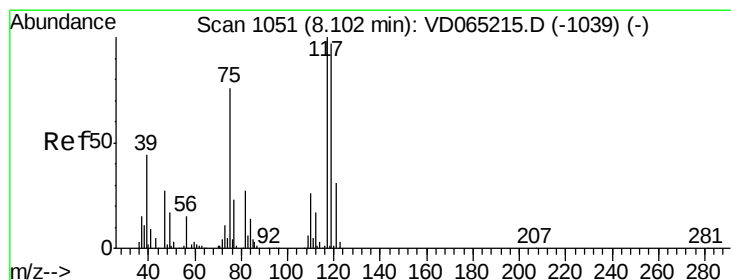
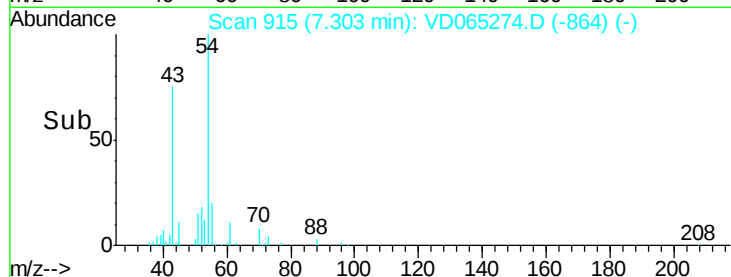
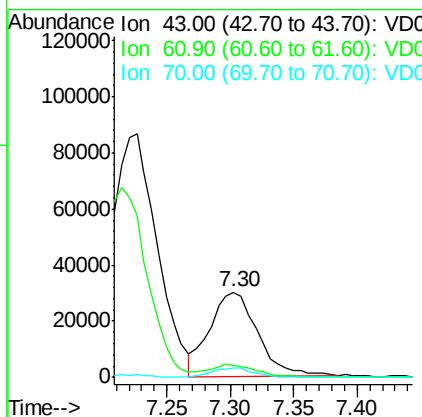
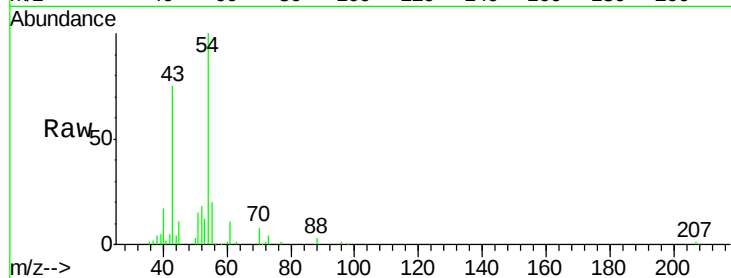
#37
Ethyl Acetate
Concen: 61.507 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.2	16.8
70	10.3	8.2	12.2

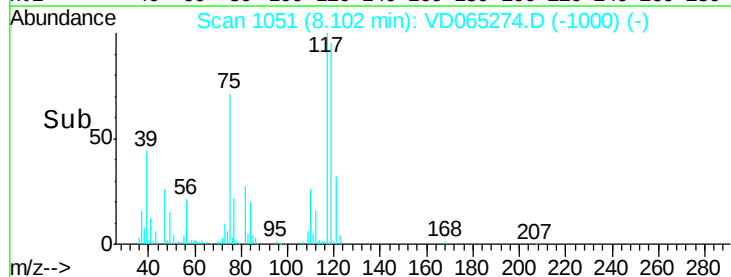
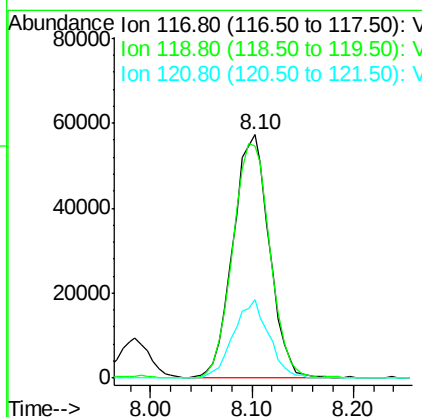
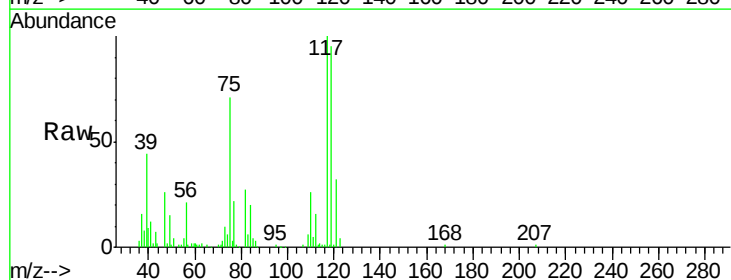
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#38
Carbon Tetrachloride
Concen: 45.622 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.6	116.4
121	32.3	24.8	37.2





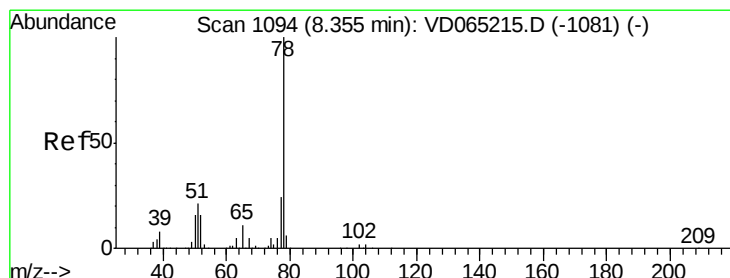
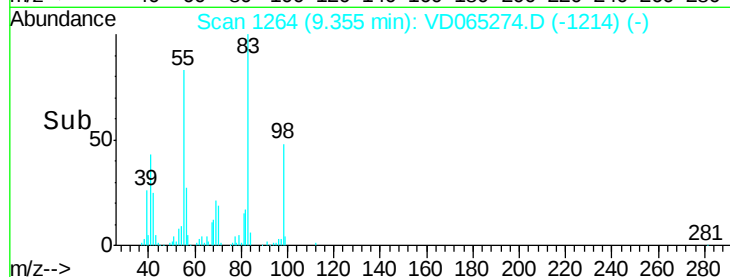
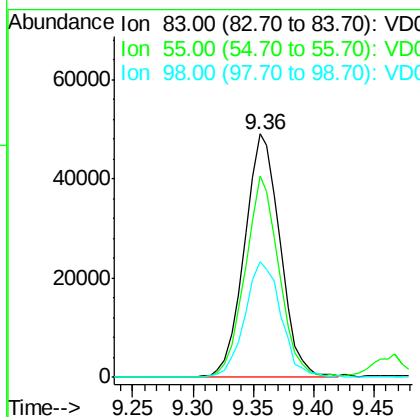
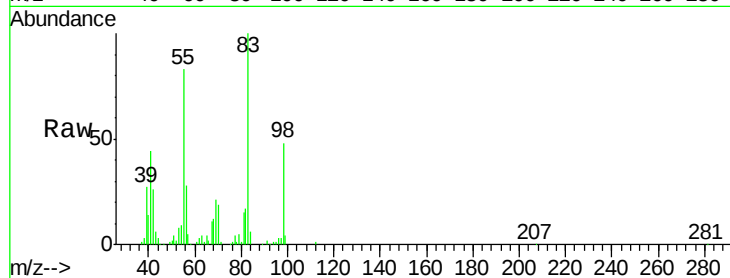
#39
Methvlcvclohexane
Concen: 28.166 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.6	61.8	92.6
98	47.7	39.4	59.0

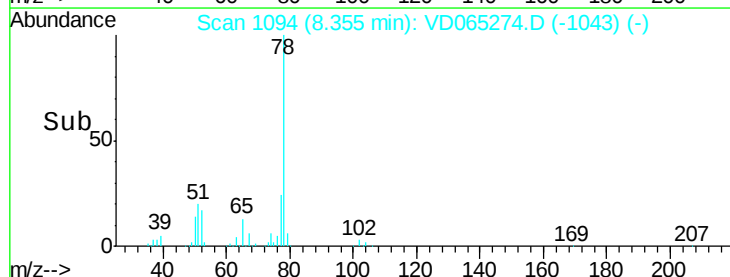
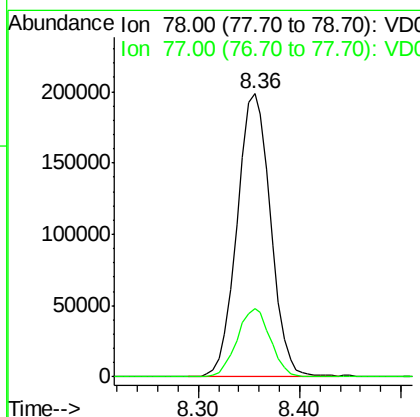
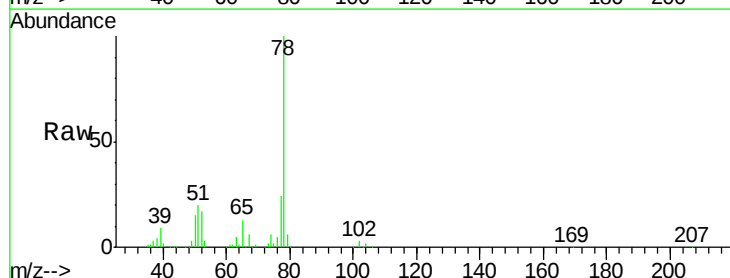
Manual Integrations
APPROVED

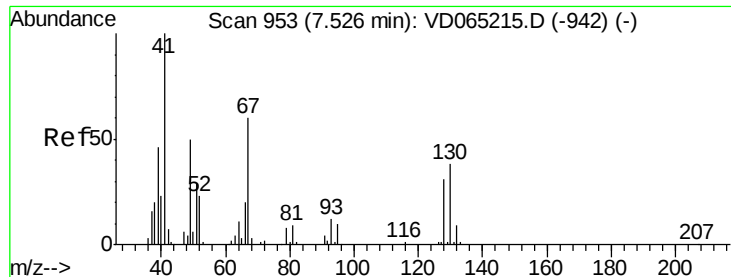
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#40
Benzene
Concen: 52.623 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





#41

Methacrylonitrile

Concen: 65.337 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 41 Resp: 48380

Ion Ratio Lower Upper

41 100

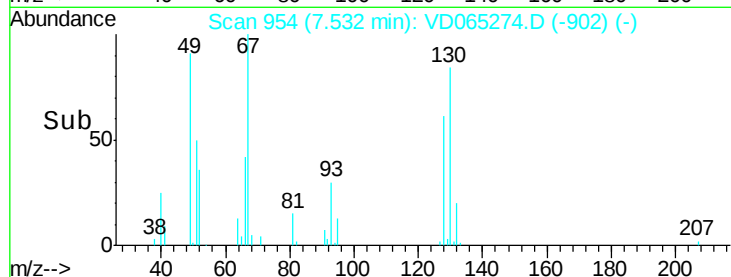
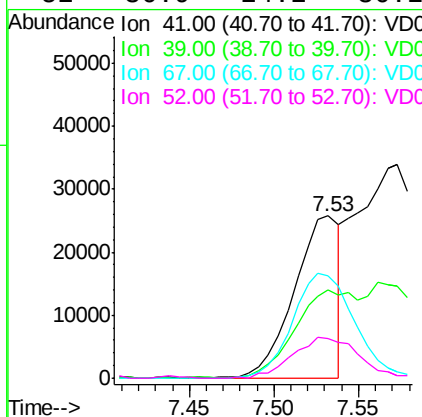
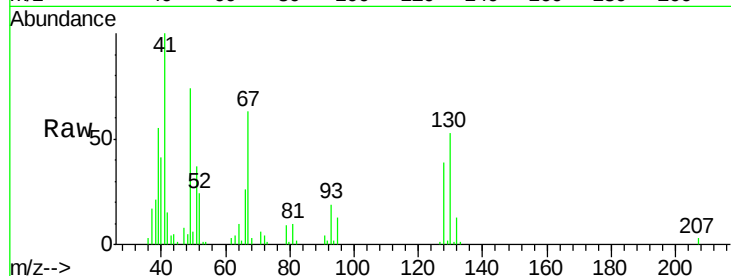
39 73.3 48.1 72.1#

67 87.2 58.9 88.3

52 36.9 24.2 36.2#

Manual Integrations
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2/24/2020 11:08:50 AM



#42

1,2-Dichloroethane

Concen: 67.083 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065274.D

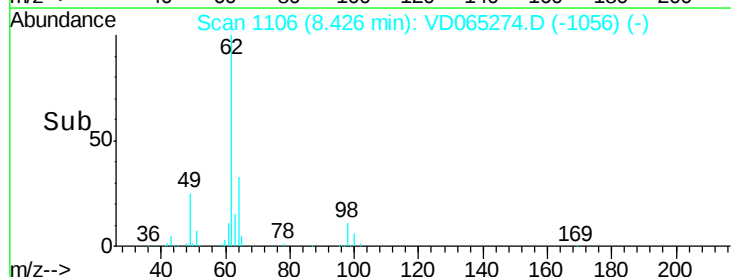
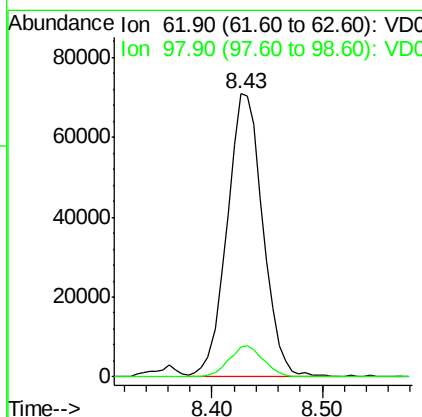
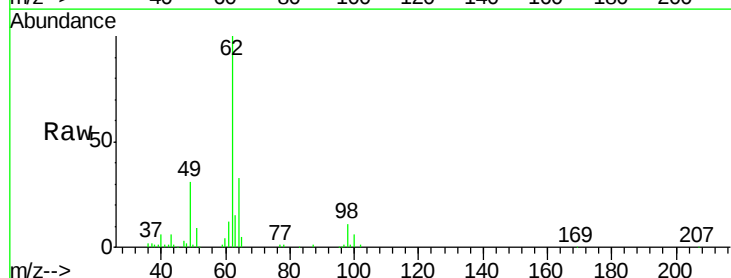
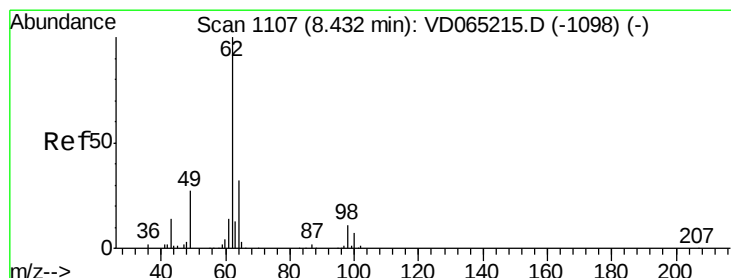
Acq: 21 Feb 2020 14:38

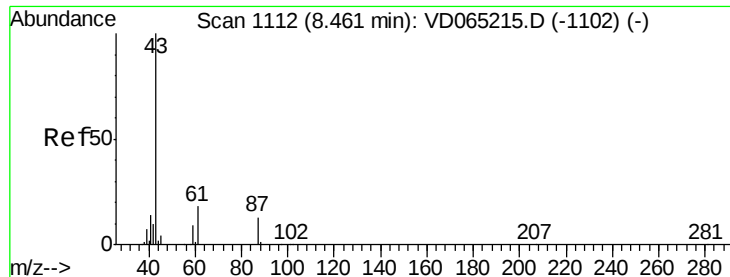
Tgt Ion: 62 Resp: 159685

Ion Ratio Lower Upper

62 100

98 10.8 0.0 20.6





#43

Isopropyl Acetate

Concen: 68.035 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

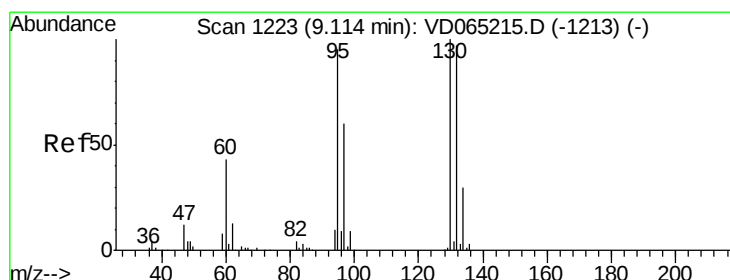
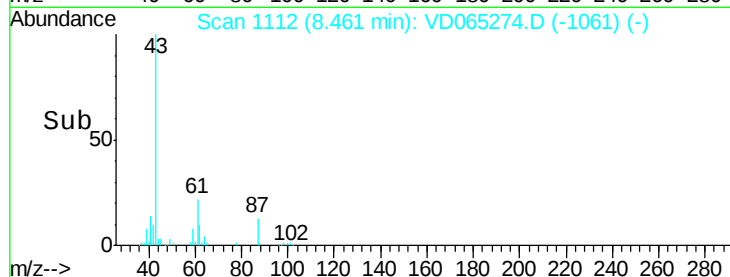
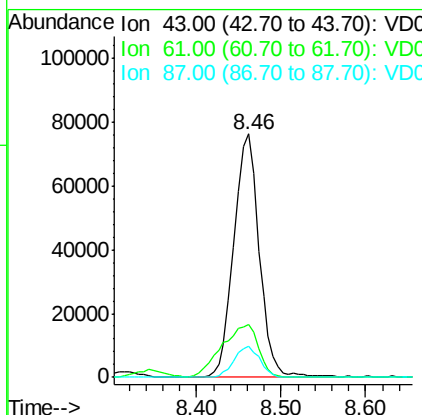
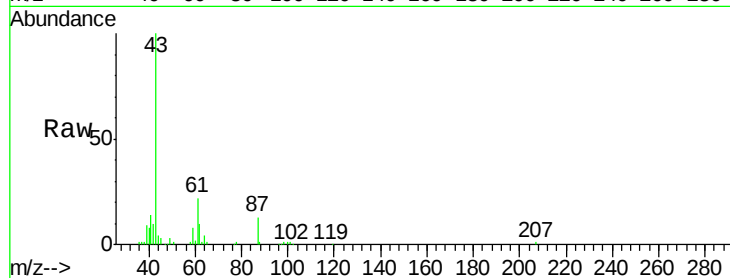
ClientSampleId :

DUNR-TS001-01MS

Tot Ion:	43	Resp:	158661
Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.6	36.8
87	12.9	10.6	16.0

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#44

Trichloroethene

Concen: 45.680 ug/l

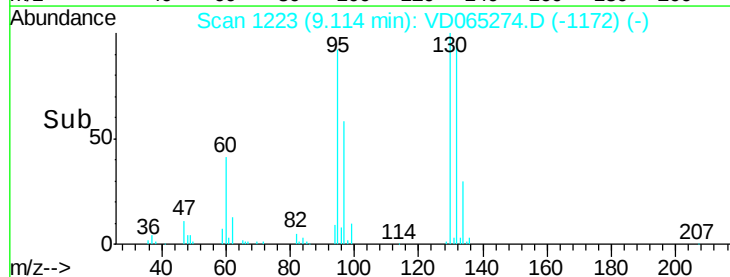
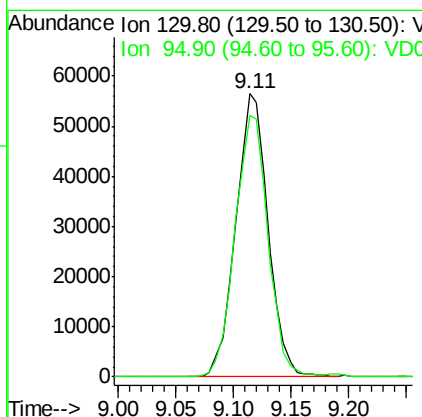
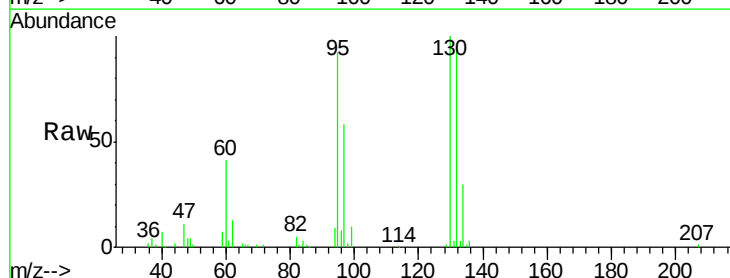
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Tgt Ion:	130	Resp:	109640
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	190.6





#45

1,2-Dichloropropane

Concen: 57.672 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 63 Resp: 124172

Ion Ratio Lower Upper

63 100

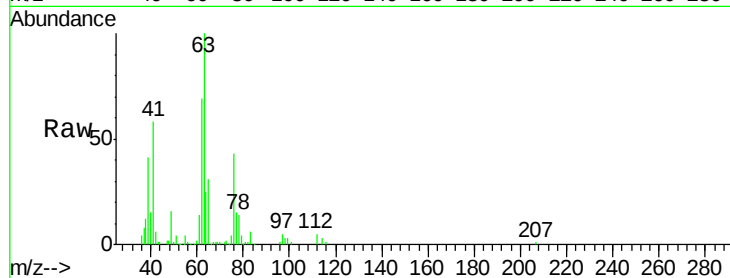
65 31.5 24.9 37.3

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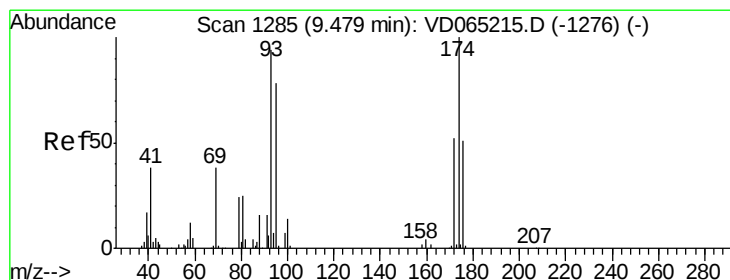
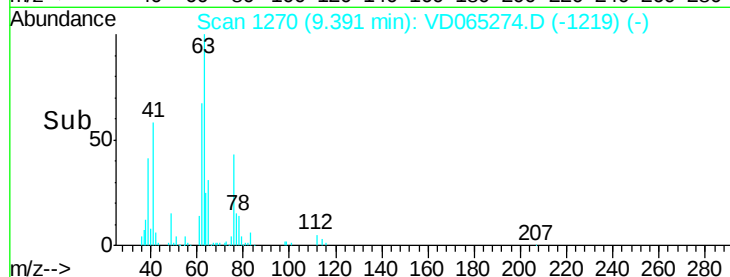
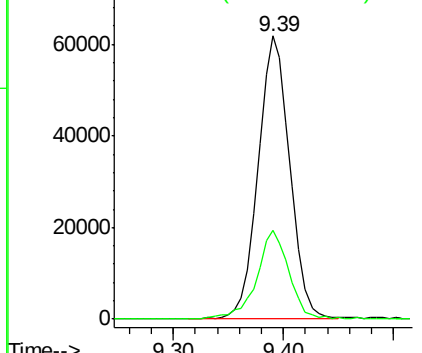
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 69.586 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

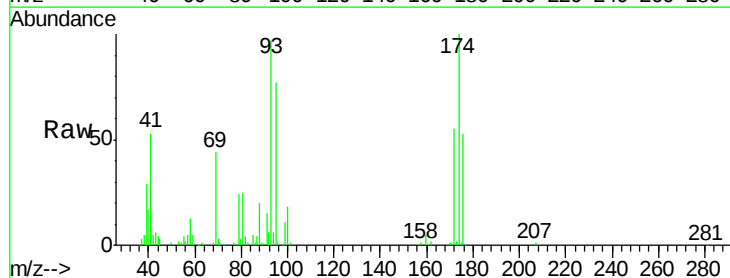
Tgt Ion: 93 Resp: 77087

Ion Ratio Lower Upper

93 100

95 82.6 65.8 98.6

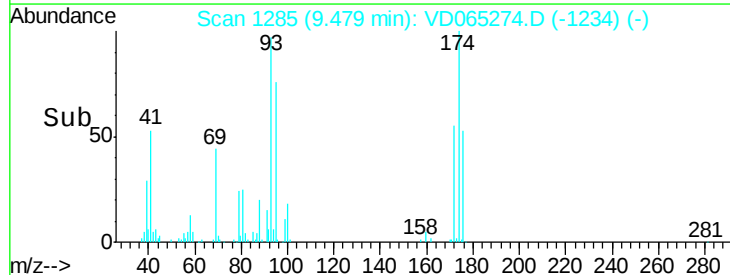
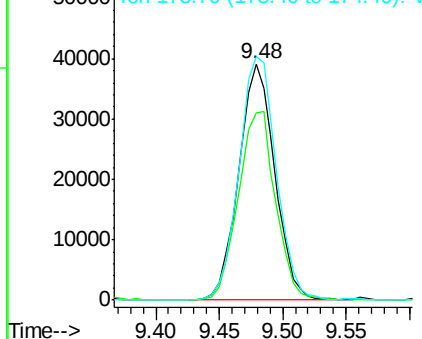
174 106.9 86.8 130.2

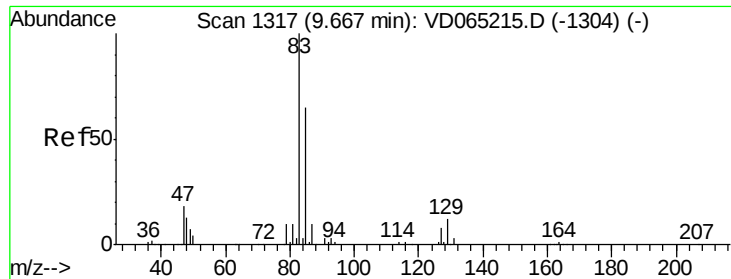


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 58.365 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

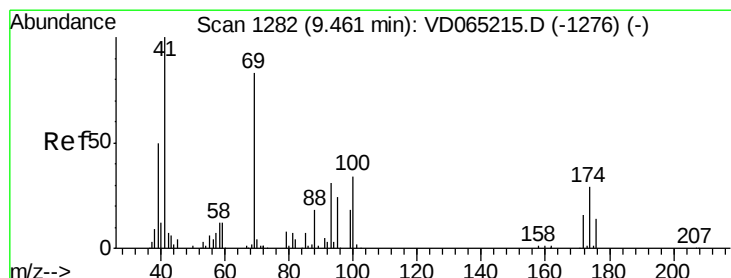
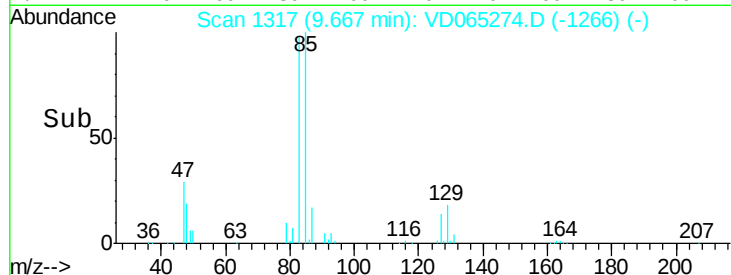
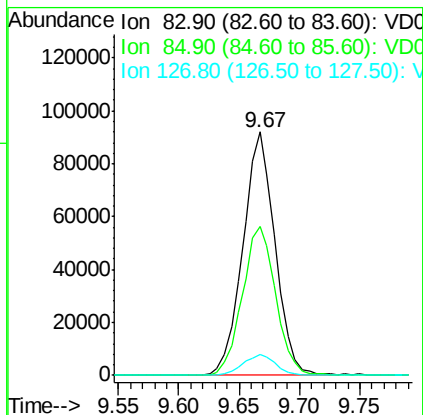
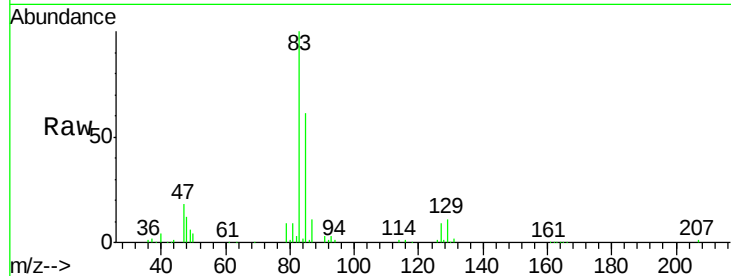
ClientSampleId :

DUNR-TS001-01MS

Tot Ion:	83	Resp:	170395
Ion Ratio	Lower	Upper	
83	100		
85	61.2	52.0	78.0
127	8.8	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 104.728 ug/l

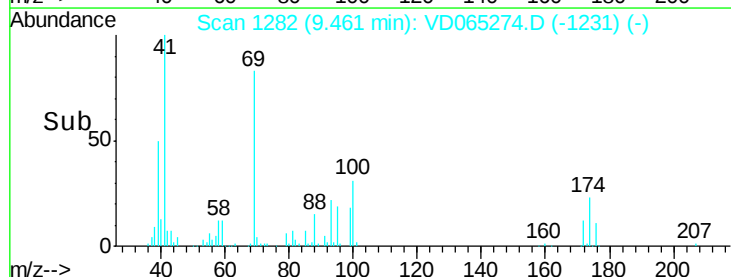
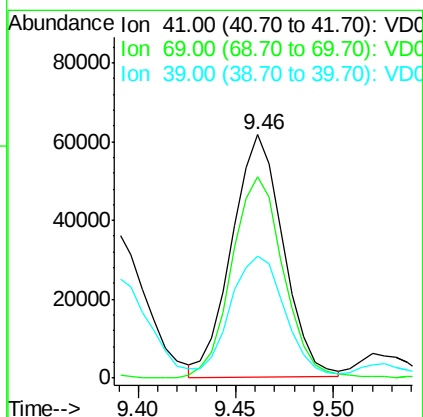
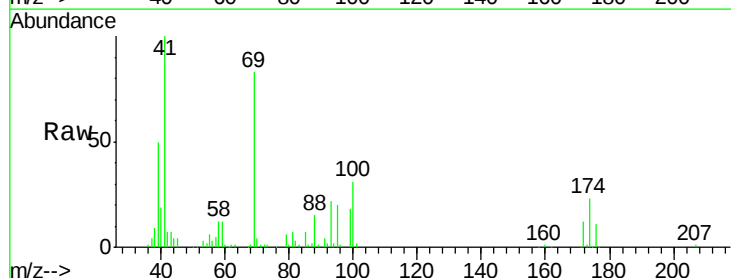
RT: 9.46 min Scan# 1282

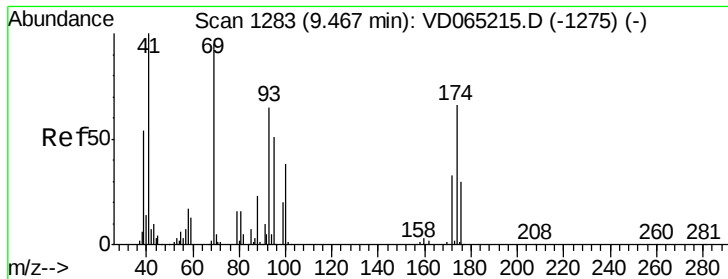
Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Tgt Ion:	41	Resp:	112891
Ion Ratio	Lower	Upper	
41	100		
69	82.6	68.2	102.2
39	53.6	42.0	63.0





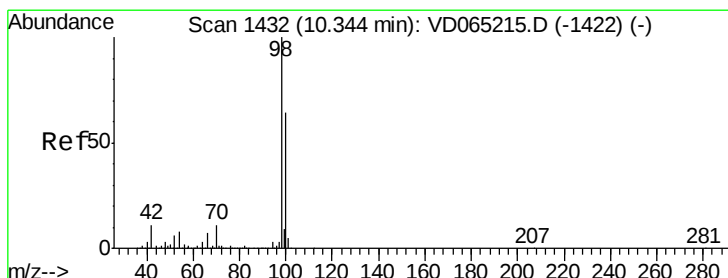
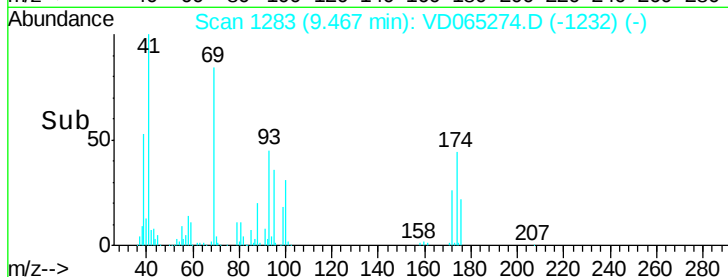
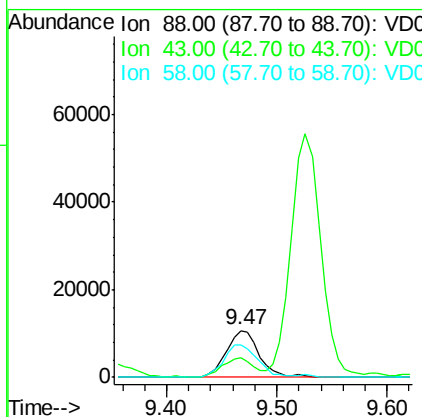
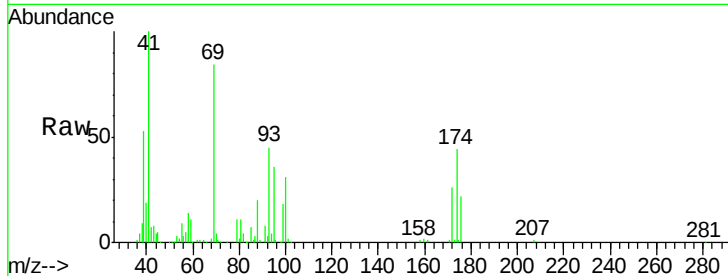
#49
1,4-Dioxane
Concen: 1733.413 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	28.5	42.7
58	71.2	58.6	87.8

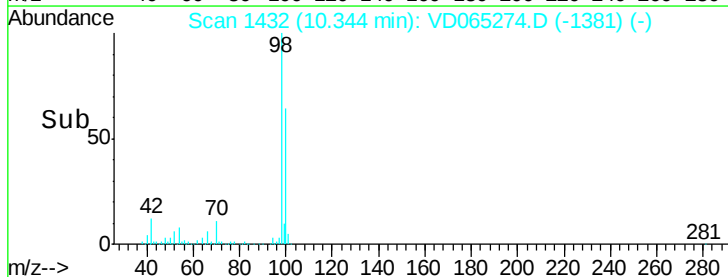
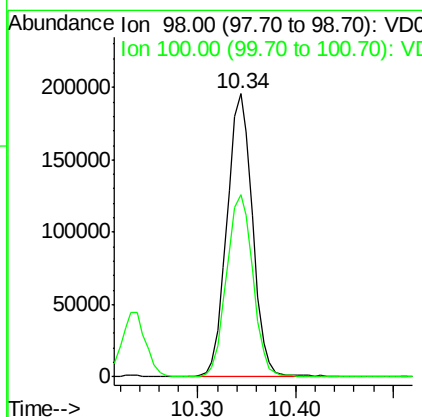
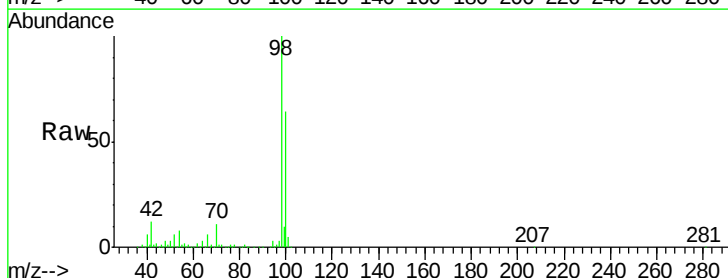
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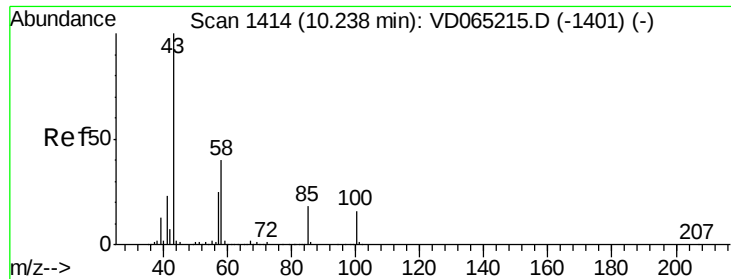
MMDadoda
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#50
Toluene-d8
Concen: 48.593 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 430.695 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 43 Resp: 510150

Ion Ratio Lower Upper

43 100

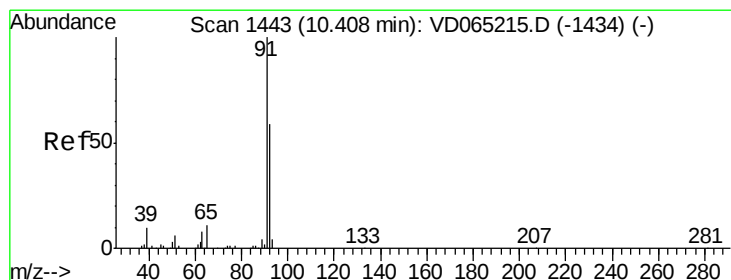
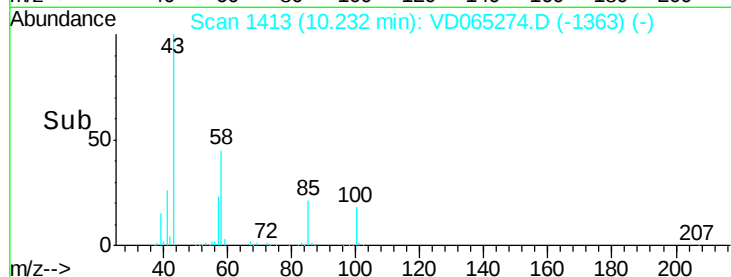
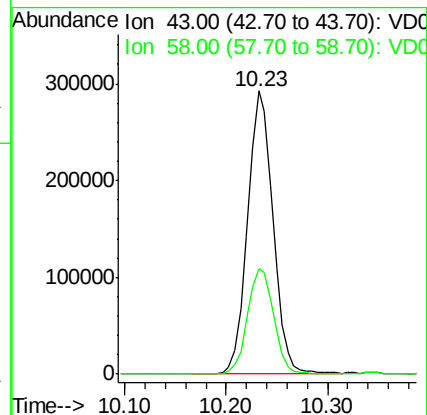
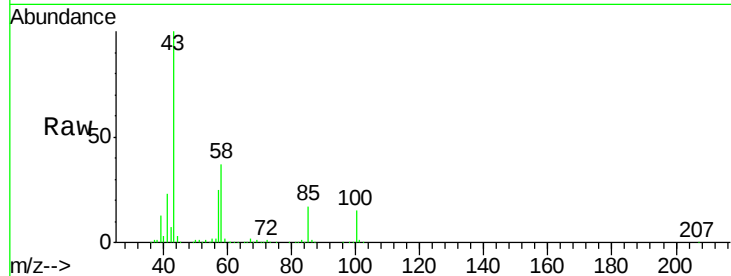
58 38.5 31.1 46.7

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#52

Toluene

Concen: 47.931 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065274.D

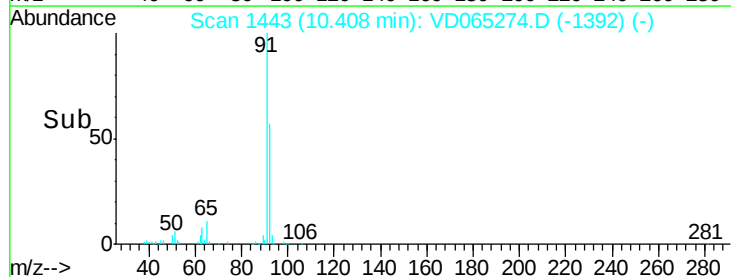
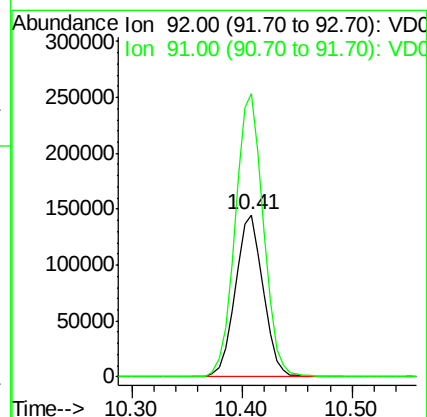
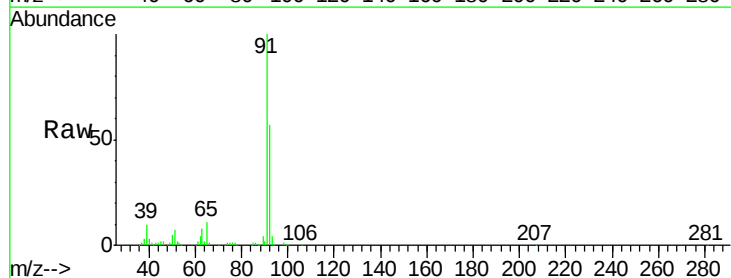
Acq: 21 Feb 2020 14:38

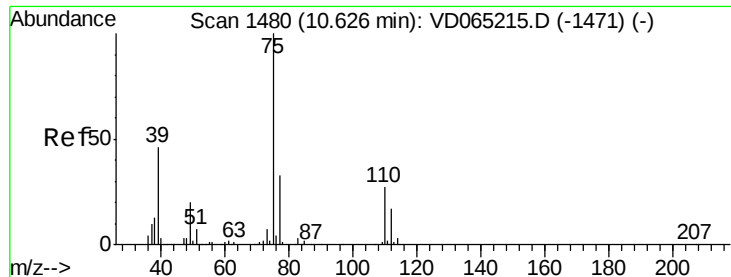
Tgt Ion: 92 Resp: 256893

Ion Ratio Lower Upper

92 100

91 176.6 136.3 204.5





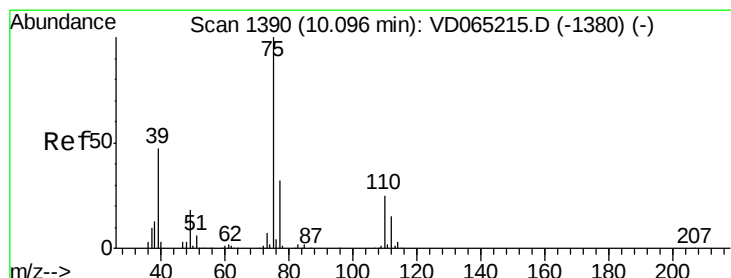
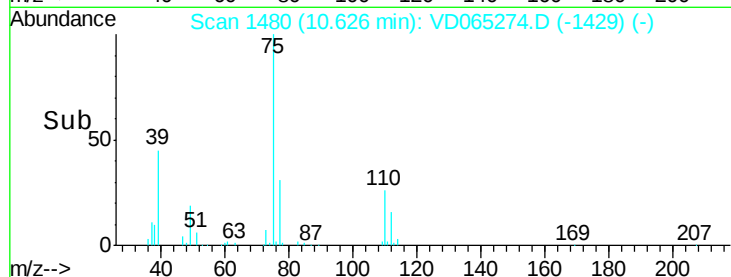
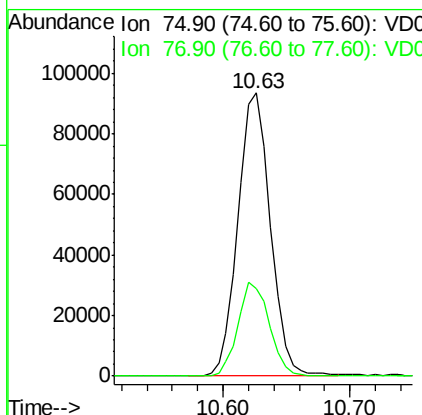
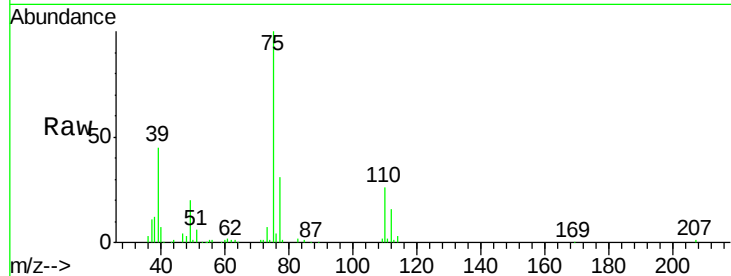
#53
 t-1,3-Dichloropropene
 Concen: 61.478 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MS

Tot Ion: 75 Resp: 166363
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.6 40.0

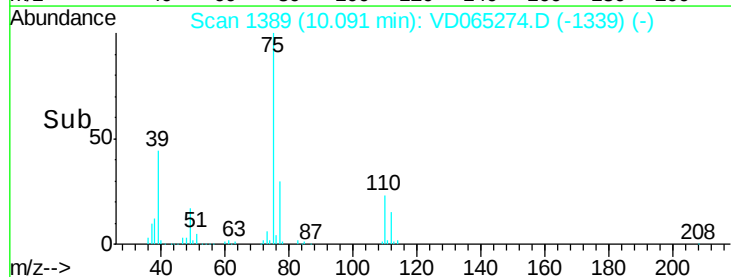
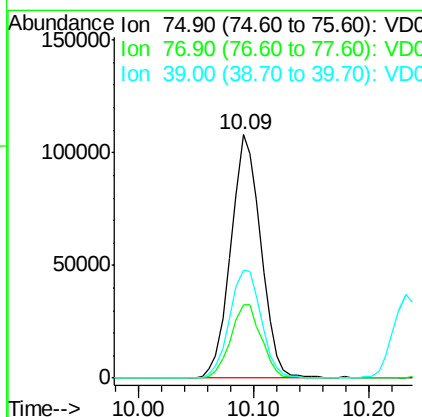
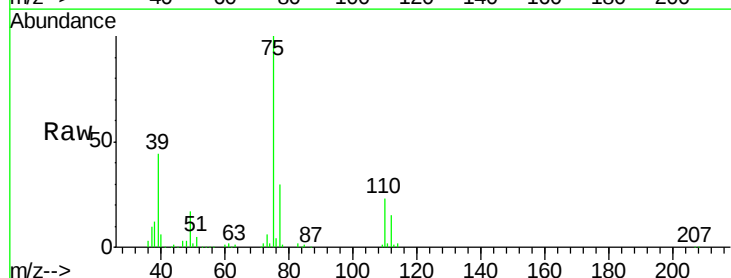
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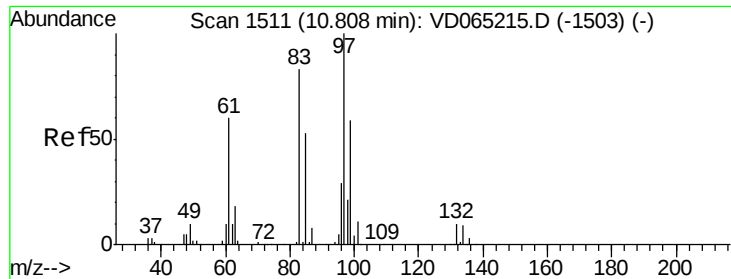
MMDadoda
 2/24/2020 11:08:50 AM



#54
 cis-1,3-Dichloropropene
 Concen: 59.614 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion: 75 Resp: 194799
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.8 38.8
 39 44.1 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 67.564 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 97 Resp: 105348

Ion Ratio Lower Upper

97 100

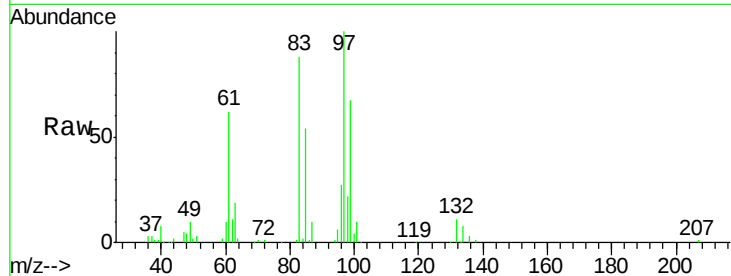
83 88.1 66.7 100.1

85 53.5 42.4 63.6

99 66.5 47.5 71.3

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2/24/2020 11:08:50 AM

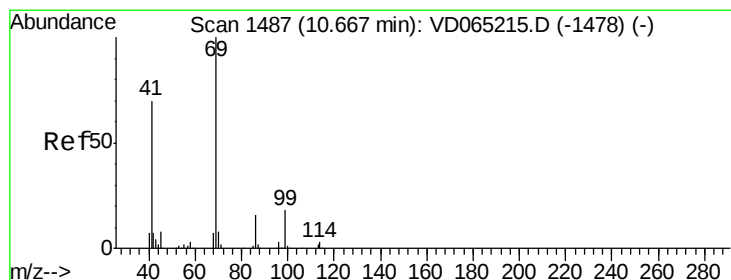
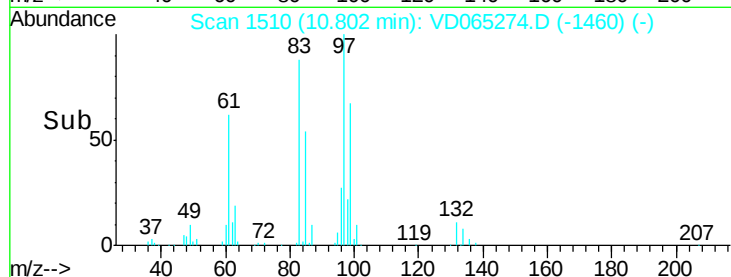
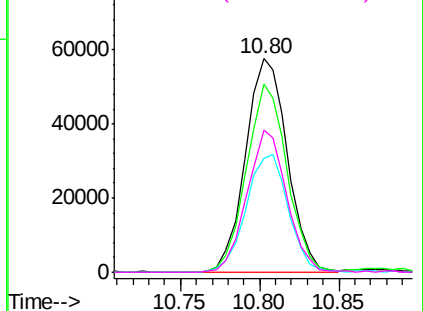


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 53.289 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

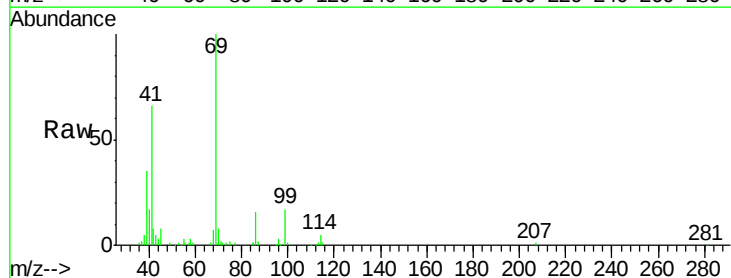
Tgt Ion: 69 Resp: 95904

Ion Ratio Lower Upper

69 100

41 66.6 54.6 81.8

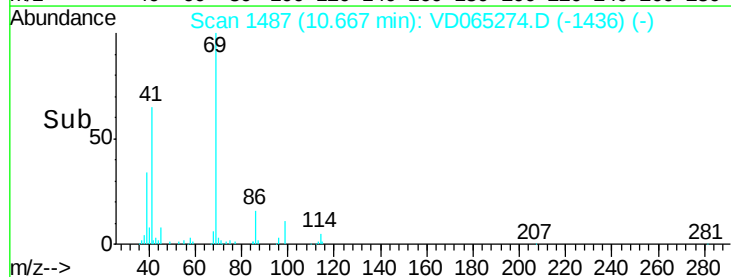
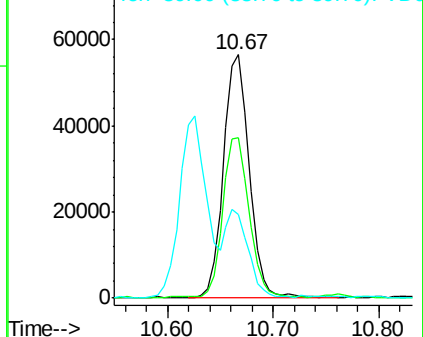
39 32.1 26.5 39.7

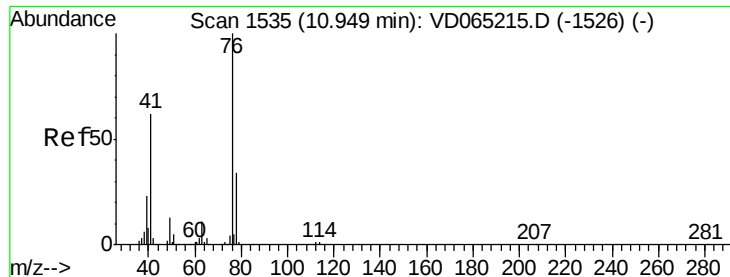


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 68.989 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 76 Resp: 183083

Ion Ratio Lower Upper

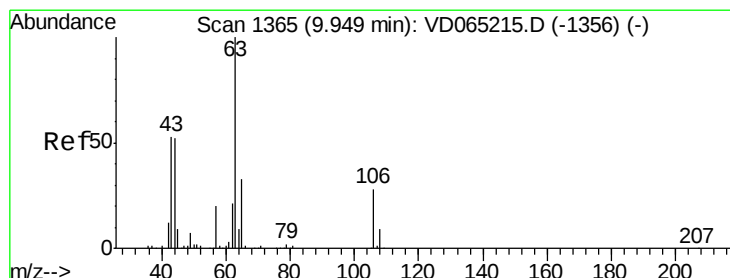
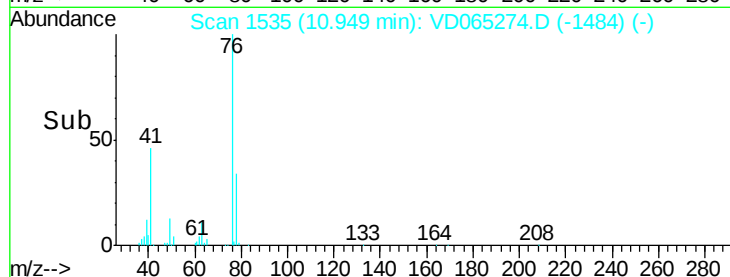
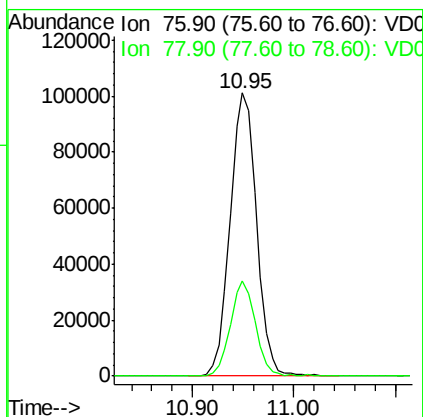
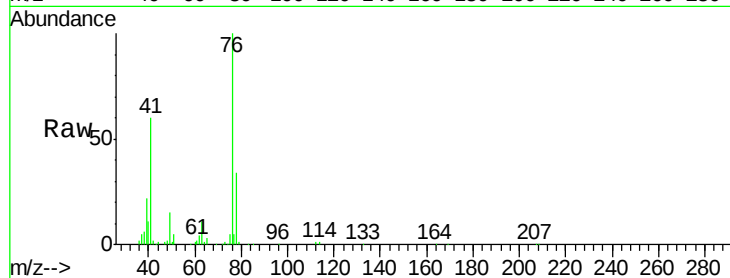
76 100

78 32.0 26.3 39.5

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#58

2-Chloroethyl Vinyl ether

Concen: 318.168 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065274.D

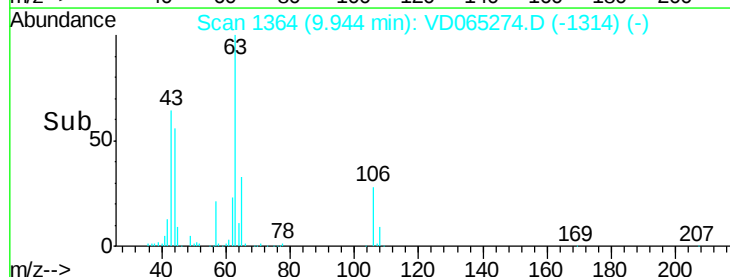
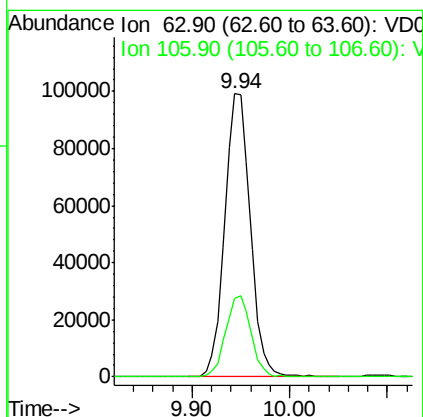
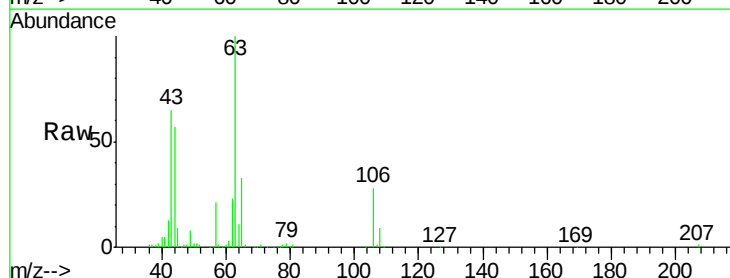
Acq: 21 Feb 2020 14:38

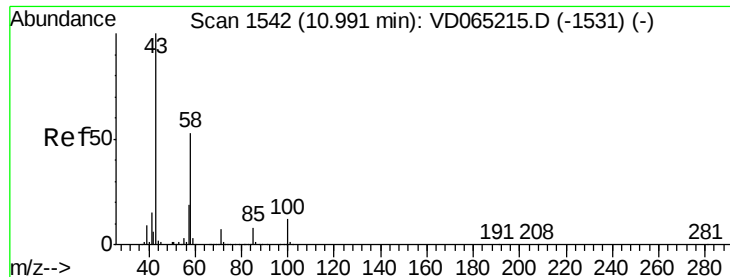
Tgt Ion: 63 Resp: 180527

Ion Ratio Lower Upper

63 100

106 28.2 22.8 34.2





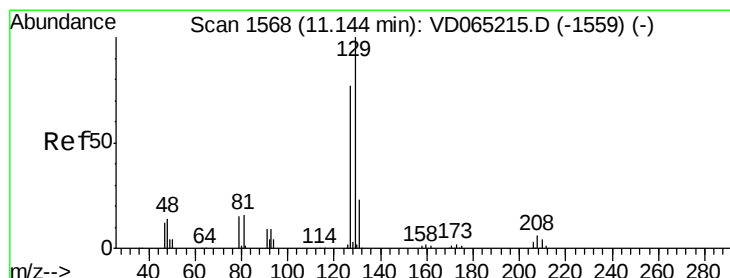
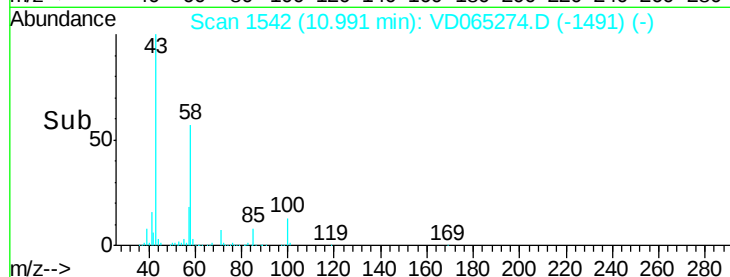
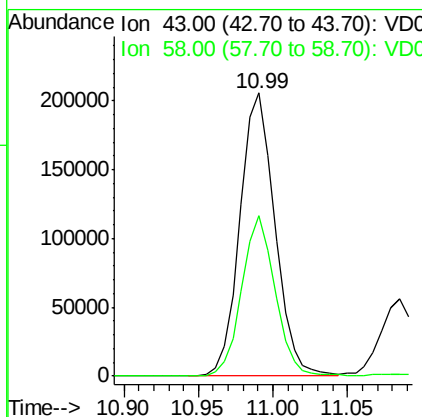
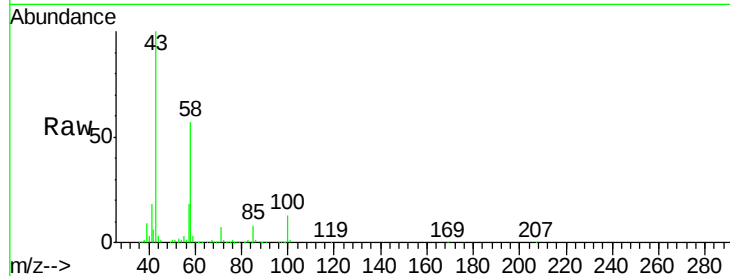
#59
2-Hexanone
Concen: 395.447 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion: 43 Resp: 335299
Ion Ratio Lower Upper
43 100
58 53.9 26.3 78.8

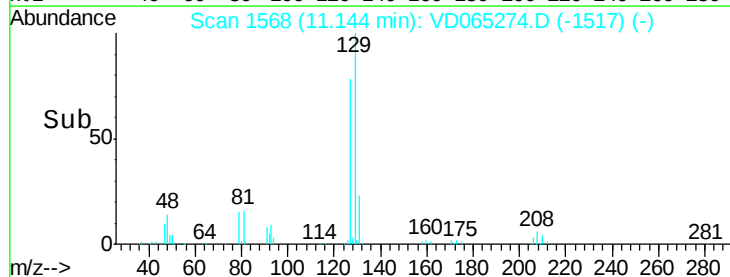
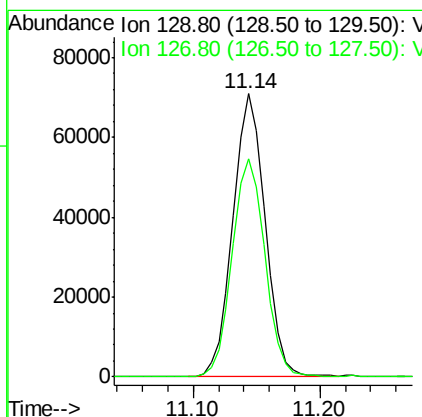
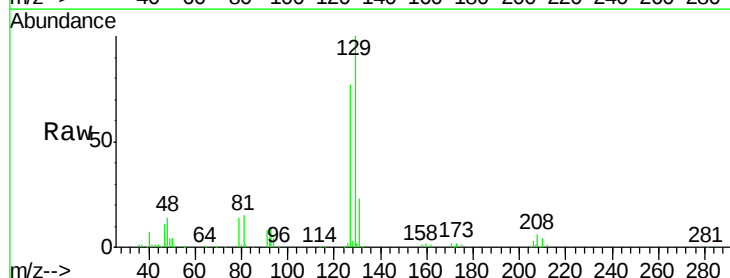
Manual Integrations
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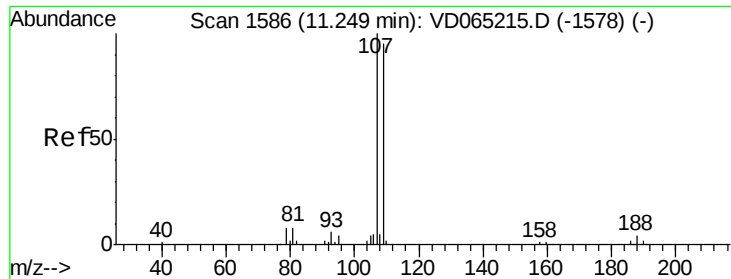
MMDadoda
2/24/2020 11:08:50 AM



#60
Dibromochloromethane
Concen: 62.731 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion: 129 Resp: 125192
Ion Ratio Lower Upper
129 100
127 78.2 38.7 116.1





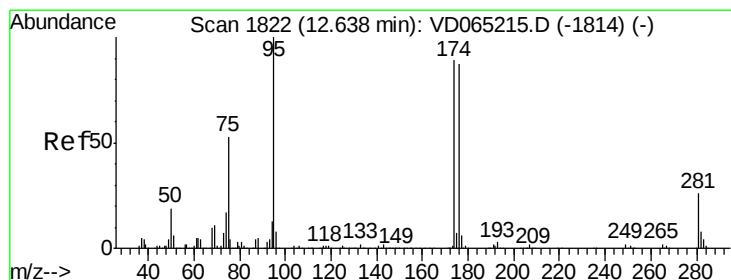
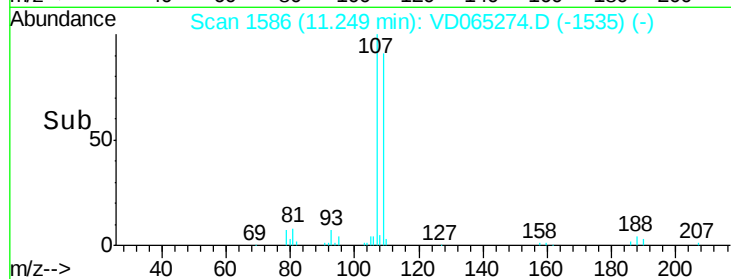
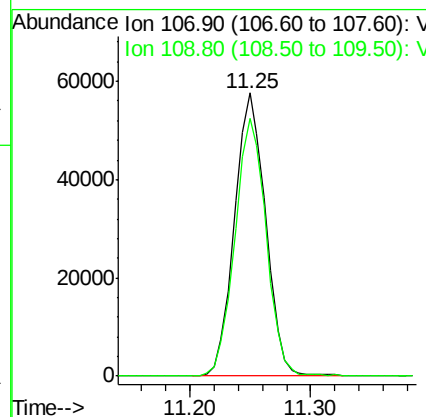
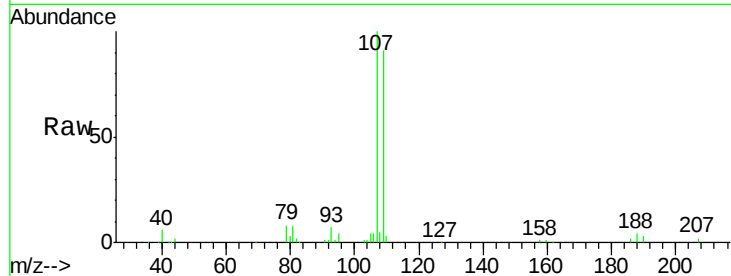
#61
1,2-Dibromoethane
Concen: 70.072 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	103448		
109	91.6	76.2	114.4	

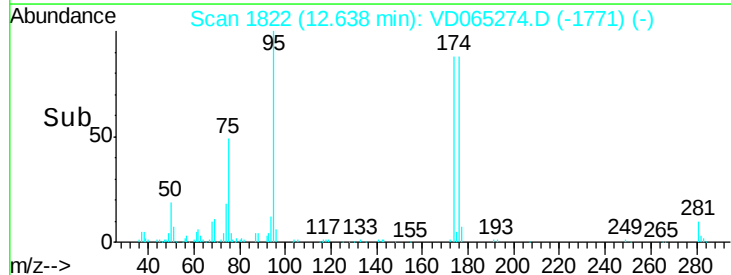
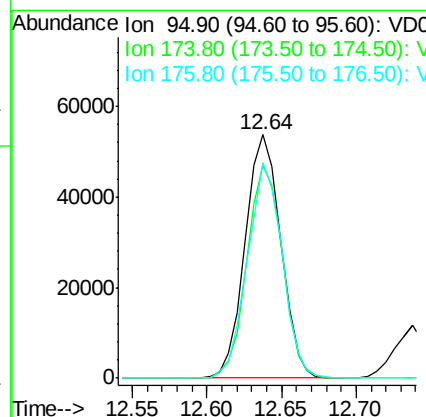
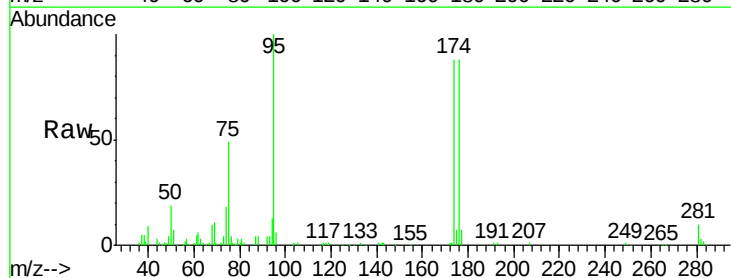
Manual Integrations
APPROVED

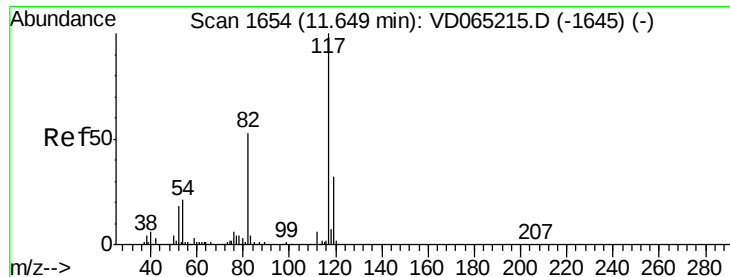
MMDadoda
2/24/2020 11:08:50 AM



#62
4-Bromofluorobenzene
Concen: 38.187 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	88904		
174	86.7	0.0	178.0	
176	86.2	0.0	174.4	





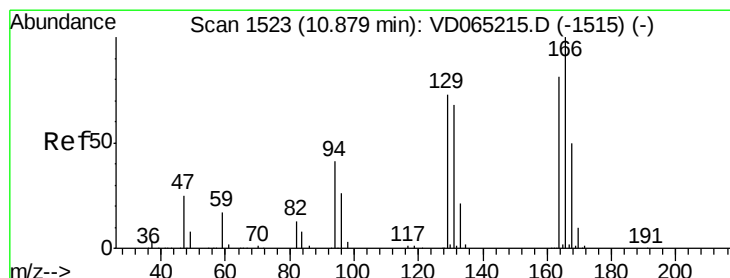
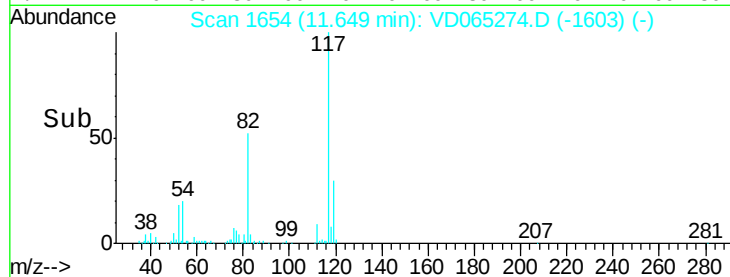
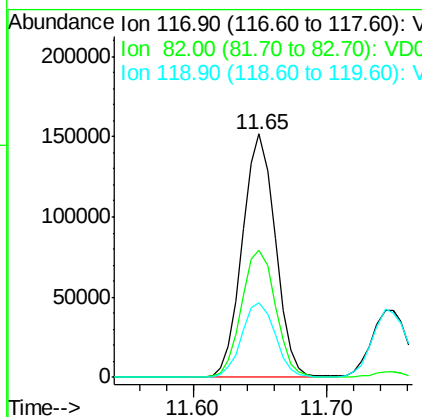
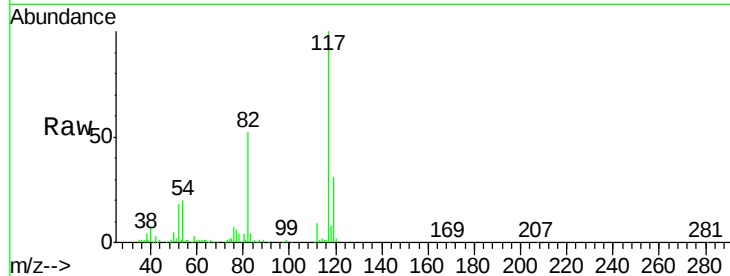
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.7	64.1
119	30.4	25.5	38.3

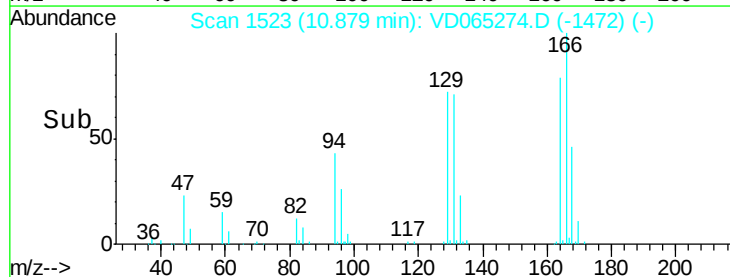
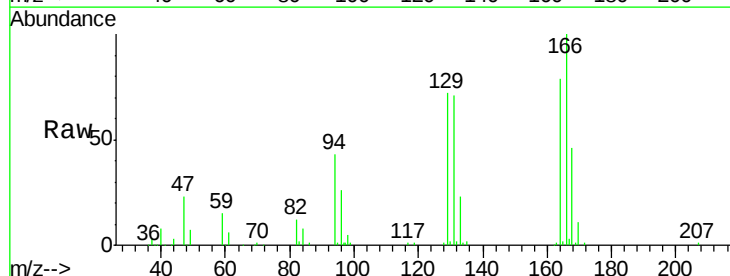
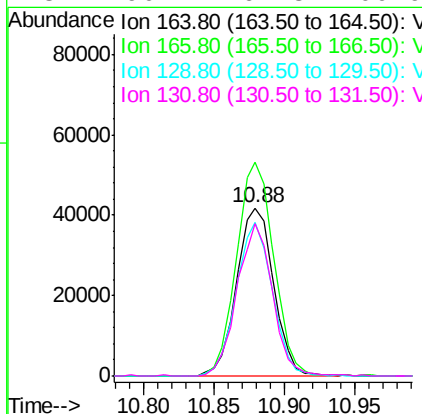
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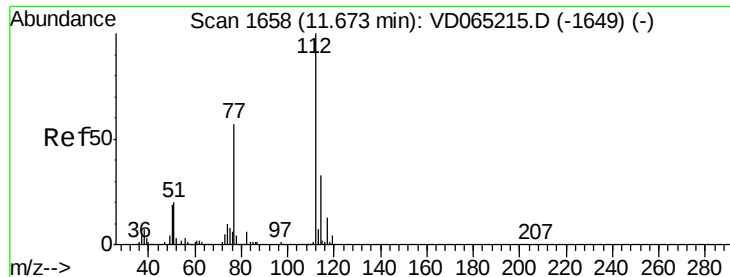
MMDadoda
2/24/2020 11:08:50 AM



#64
Tetrachloroethene
Concen: 41.518 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	98.4	147.6
129	91.5	71.6	107.4
131	90.7	67.3	100.9





#65

Chlorobenzene

Concen: 46.747 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion:112 Resp: 244674

Ion Ratio Lower Upper

112 100

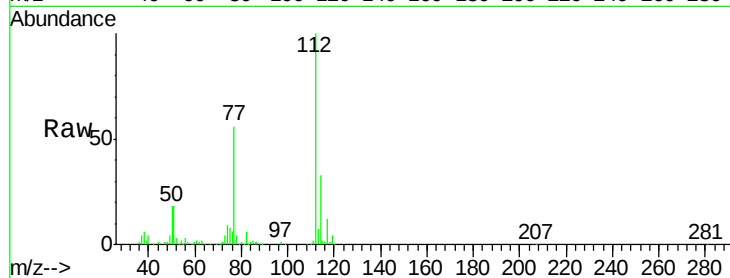
114 32.9 26.4 39.6

Manual Integrations

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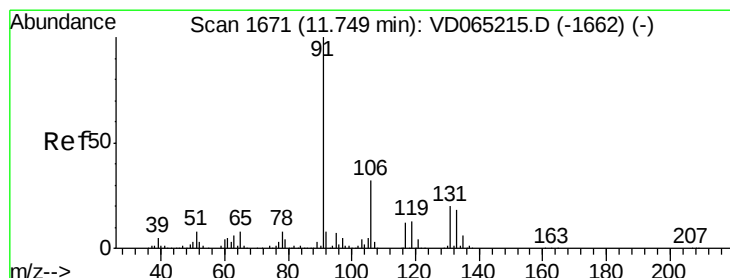
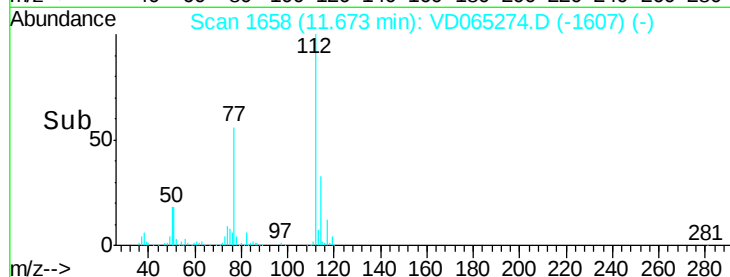
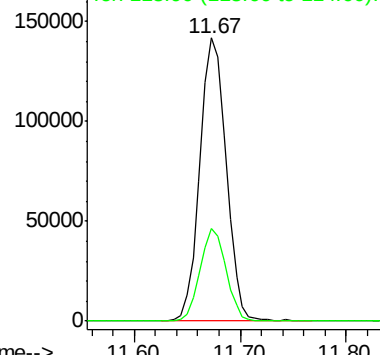
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 59.945 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

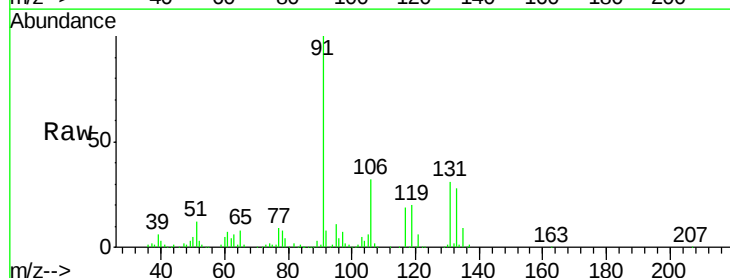
Tgt Ion:131 Resp: 117084

Ion Ratio Lower Upper

131 100

133 93.1 47.7 143.1

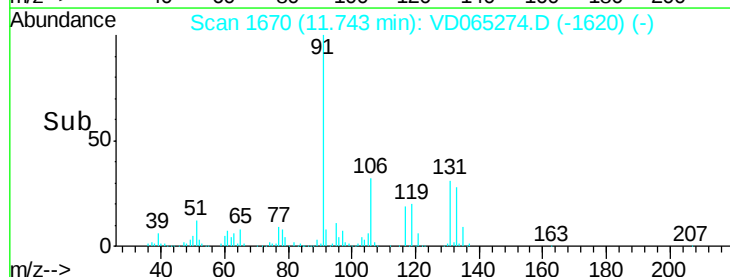
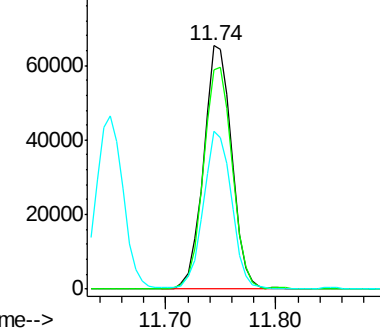
119 64.9 32.7 98.1

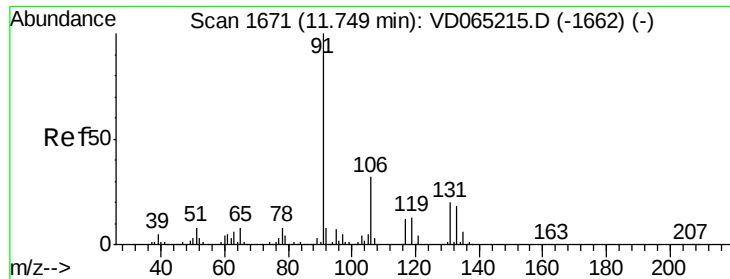


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





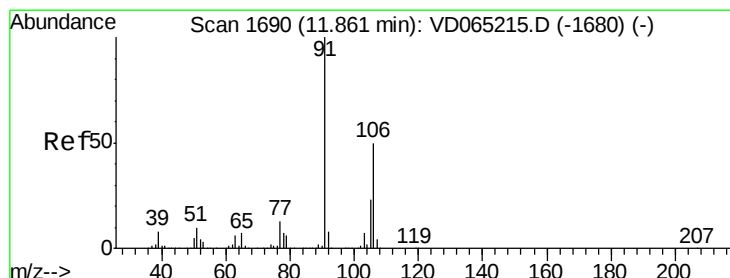
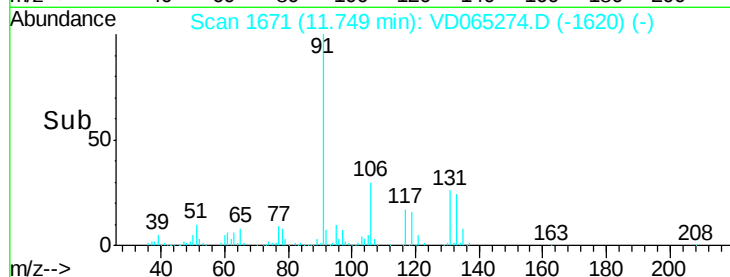
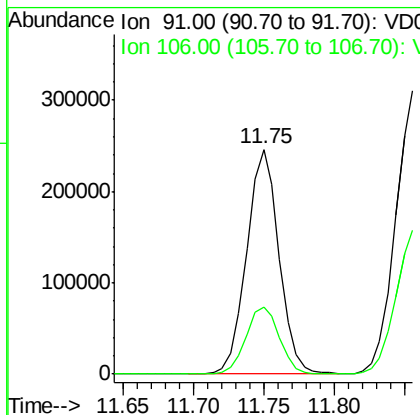
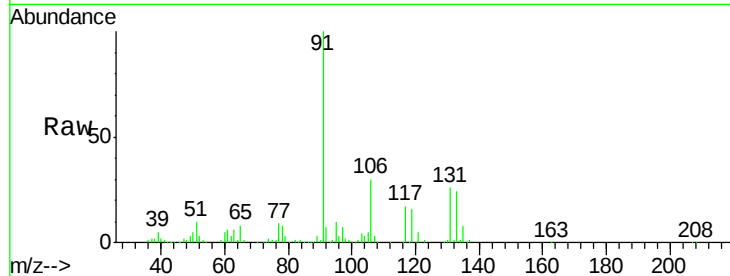
#67
Ethyl Benzene
Concen: 43.202 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion: 91 Resp: 396024
Ion Ratio Lower Upper
91 100
106 29.6 25.2 37.8

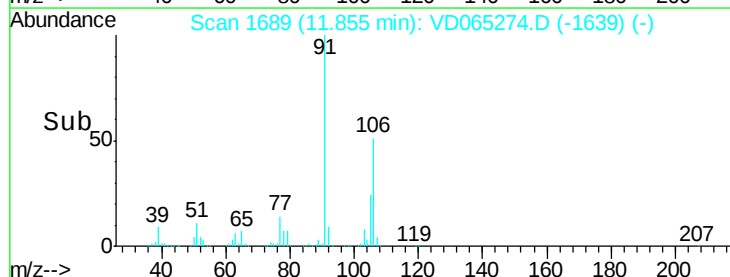
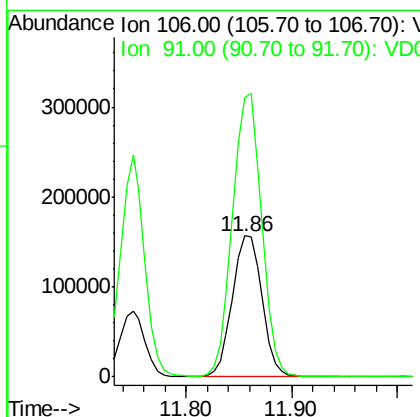
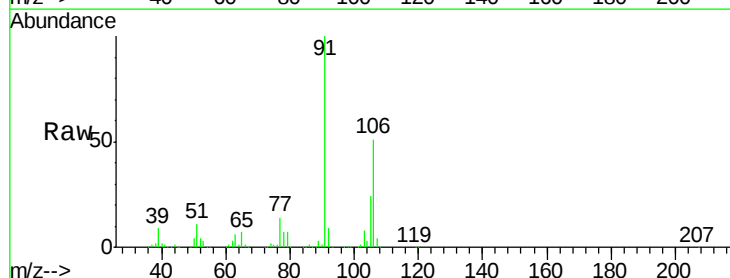
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#68
m/p-Xylenes
Concen: 87.111 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion: 106 Resp: 305513
Ion Ratio Lower Upper
106 100
91 197.2 158.2 237.4





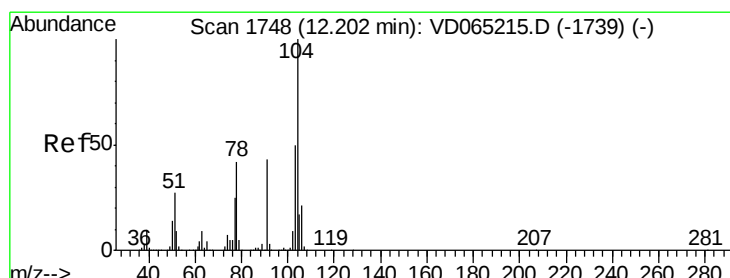
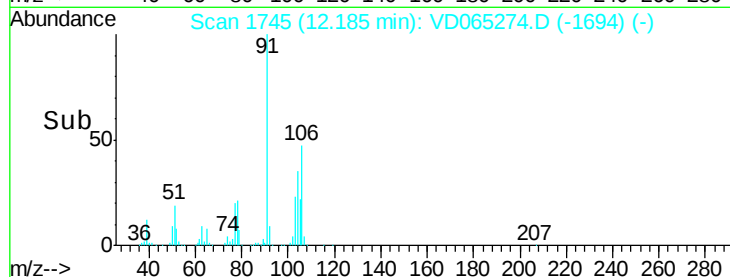
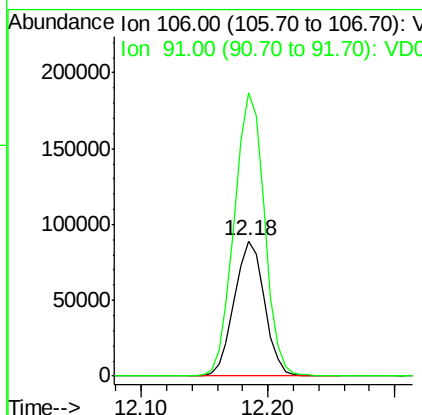
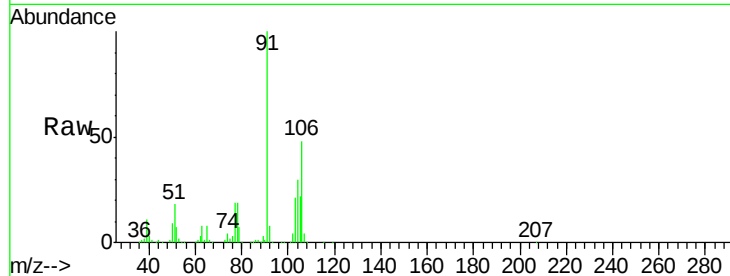
#69
o-Xylene
Concen: 47.212 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion:106 Resp: 146697
Ion Ratio Lower Upper
106 100
91 210.6 104.7 313.9

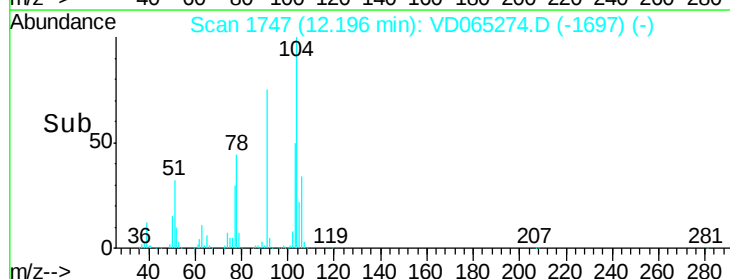
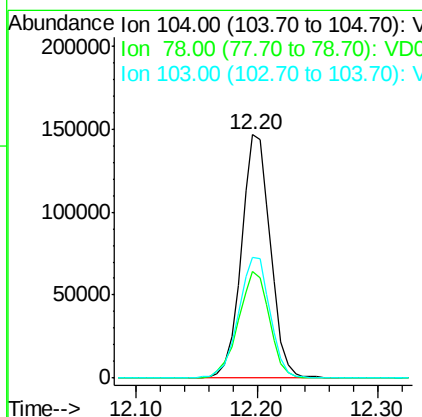
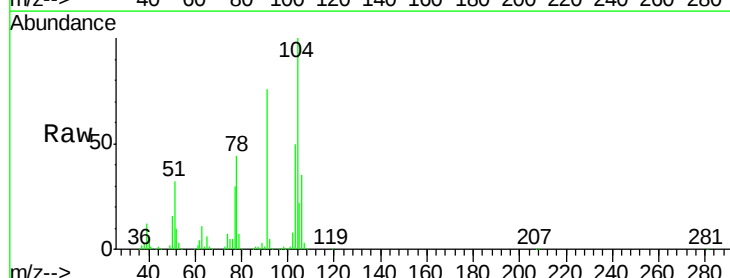
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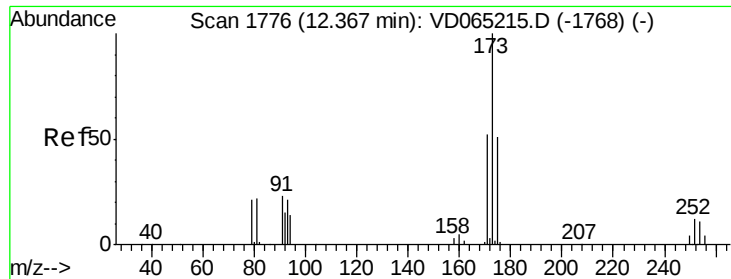
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#70
Styrene
Concen: 44.378 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion:104 Resp: 244819
Ion Ratio Lower Upper
104 100
78 47.1 37.8 56.6
103 54.3 43.4 65.2





#71

Bromoform

Concen: 70.439 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

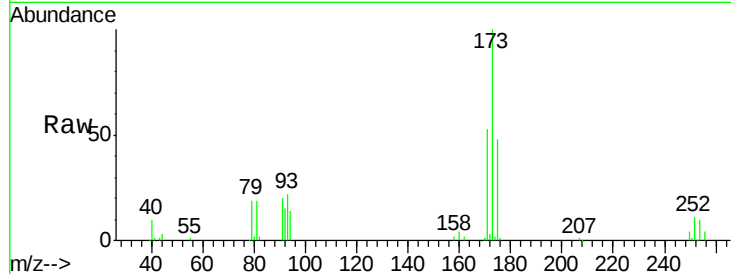
ClientSampleId :

DUNR-TS001-01MS

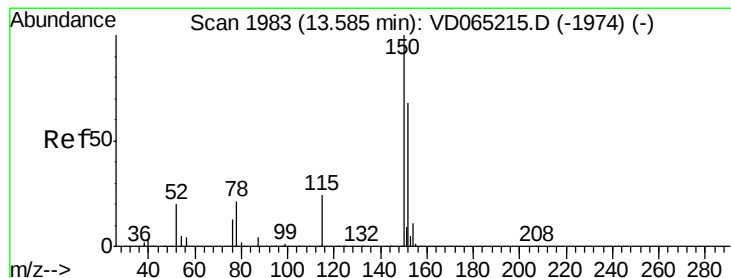
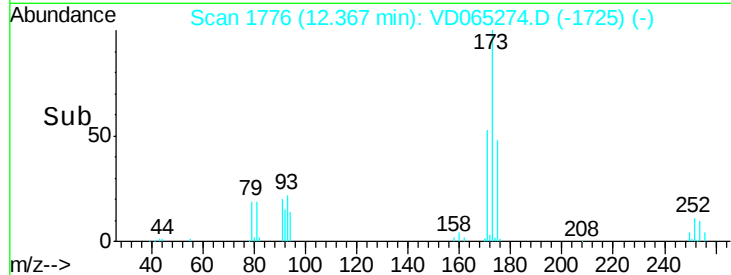
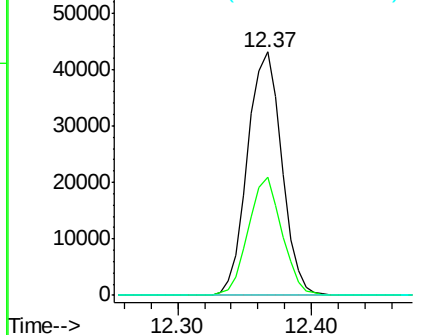
Tot Ion:	173	Resp:	76345
Ion Ratio	Lower	Upper	
173	100		
175	47.5	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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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

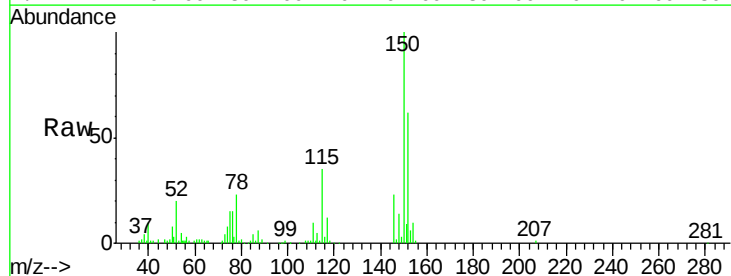
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

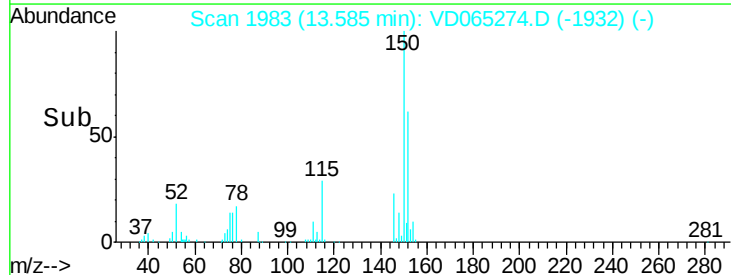
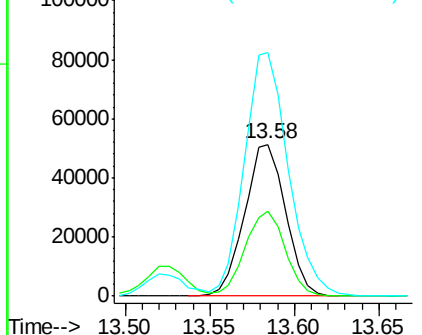
Lab File: VD065274.D

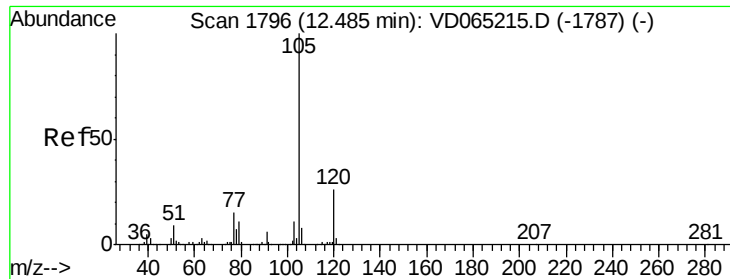
Acq: 21 Feb 2020 14:38

Tgt Ion:	152	Resp:	86487
Ion Ratio	Lower	Upper	
152	100		
115	55.0	27.6	82.8
150	172.4	0.0	347.4



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





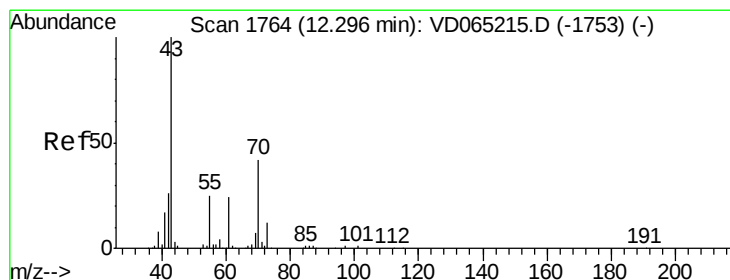
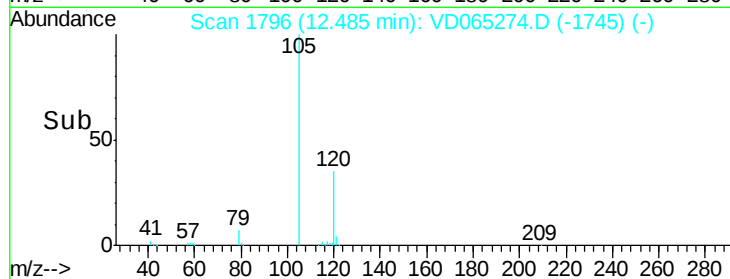
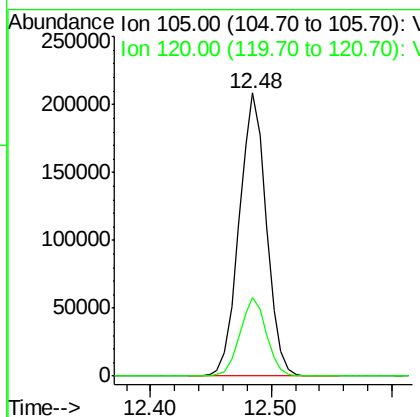
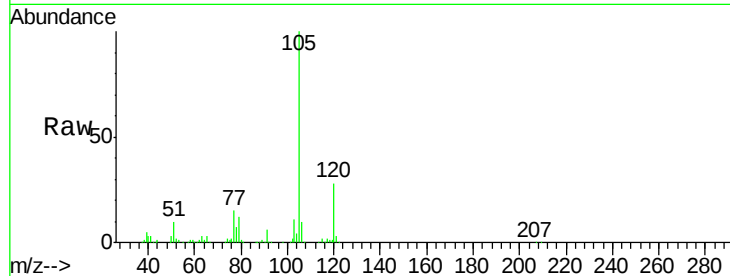
#73
Isopropylbenzene
Concen: 57.204 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.9

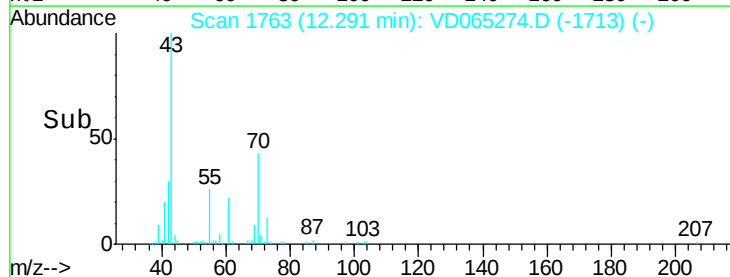
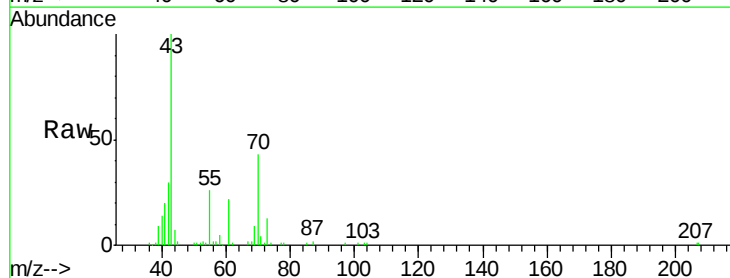
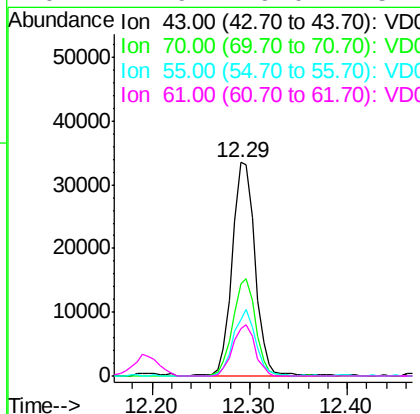
Manual Integrations
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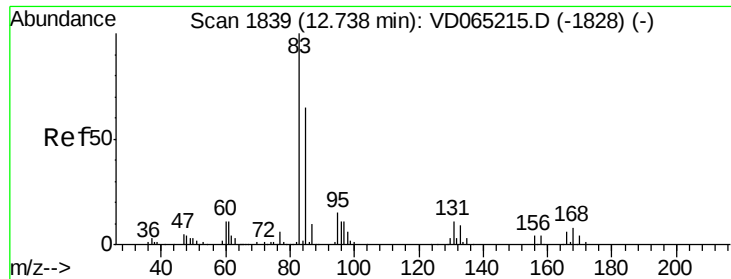
MMDadoda
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#74
N-ethyl acetate
Concen: 43.317 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.9	33.7	50.5
55	29.8	20.7	31.1
61	22.9	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 111.224 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

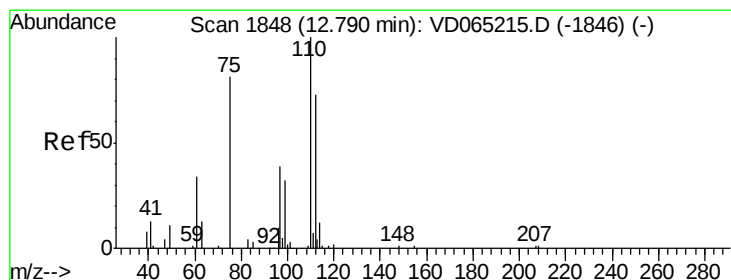
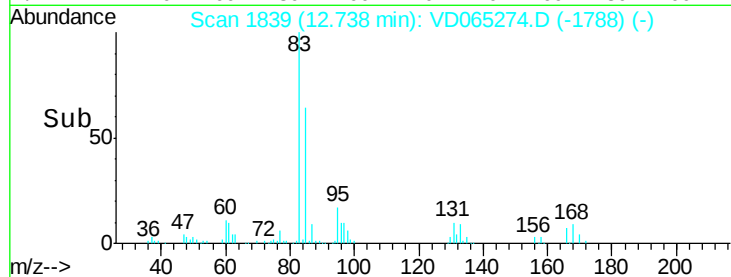
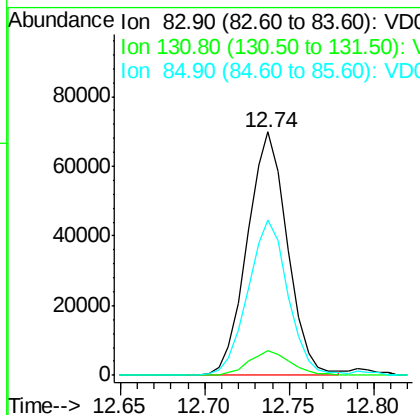
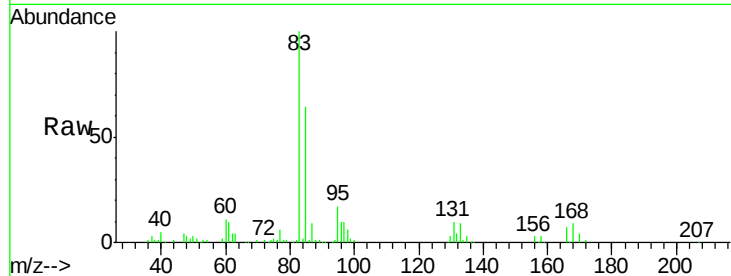
ClientSampleId :

DUNR-TS001-01MS

Tot Ion:	83	Resp:	114938
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	63.6	31.6	94.8

Manual Integrations
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2/24/2020 11:08:50 AM



#76

1,2,3-Trichloropropane

Concen: 103.428 ug/l m

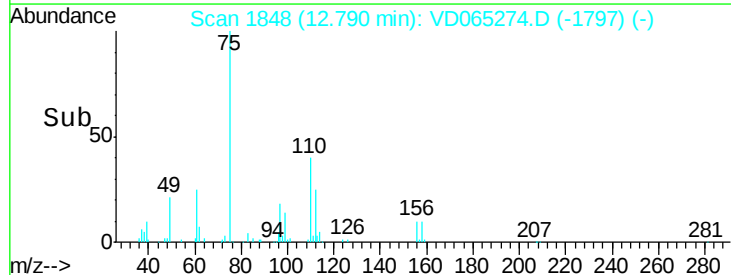
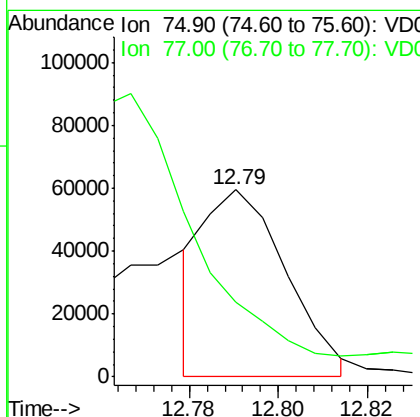
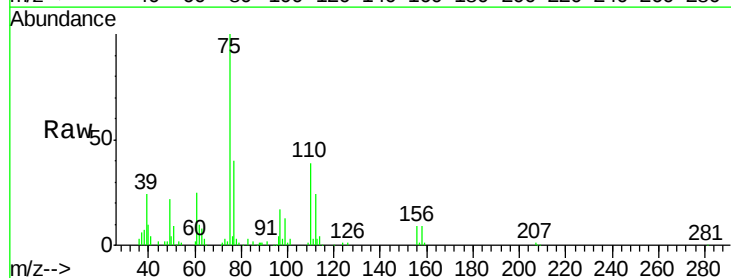
RT: 12.79 min Scan# 1848

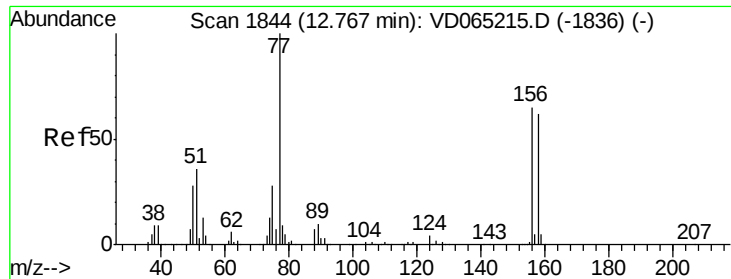
Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Tgt Ion:	75	Resp:	76108
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 66.177 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

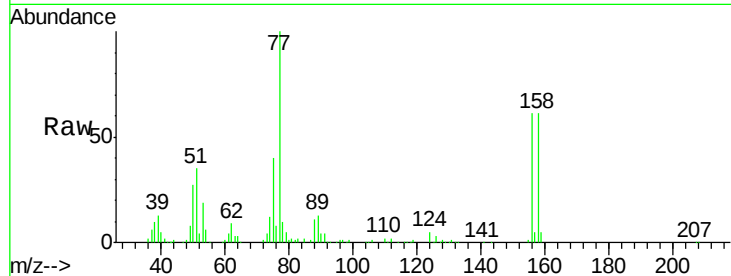
ClientSampleId :

DUNR-TS001-01MS

Tot Ion:	156	Resp:	94093
Ion	Ratio	Lower	Upper
156	100		
77	193.6	86.6	259.7
158	97.9	48.1	144.3

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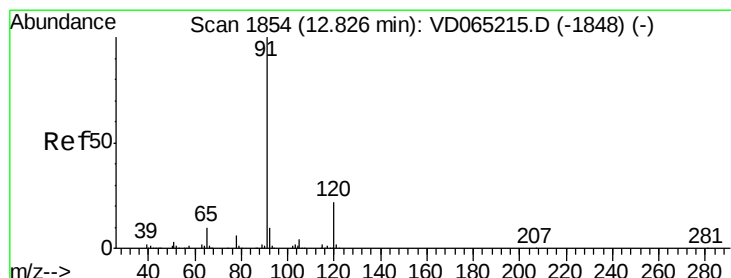
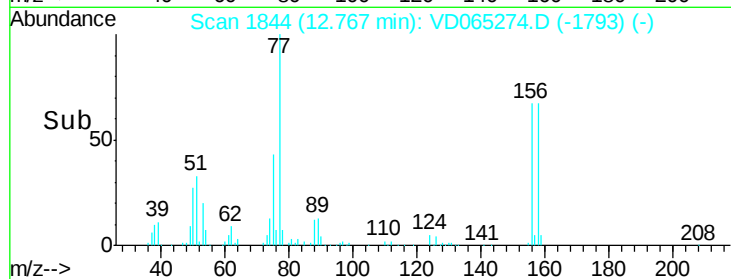
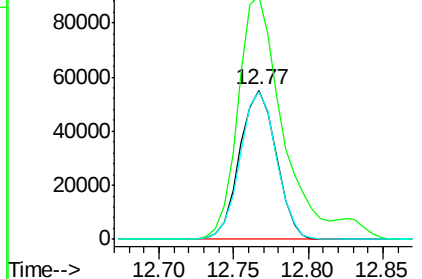
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.436 ug/l

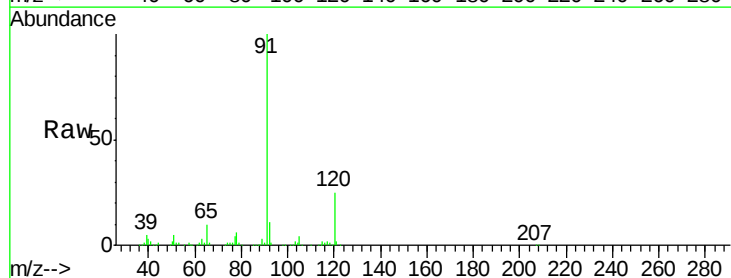
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065274.D

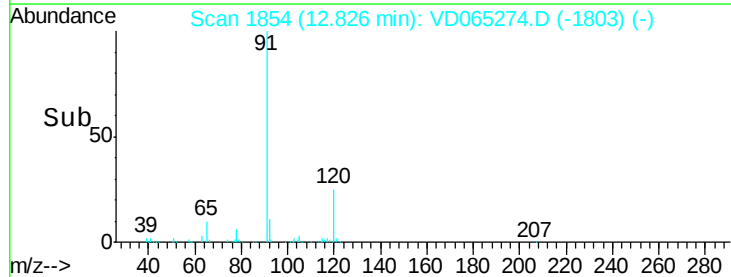
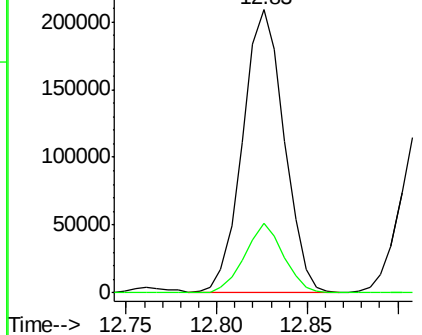
Acq: 21 Feb 2020 14:38

Tgt Ion:	91	Resp:	333285
Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





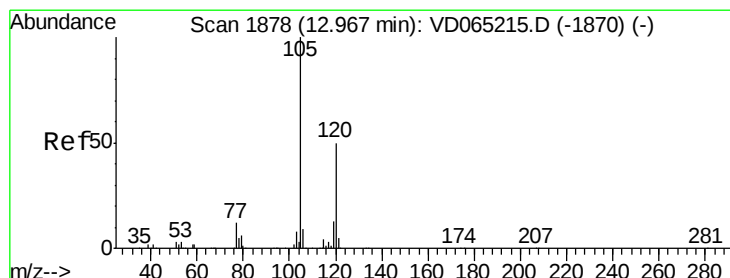
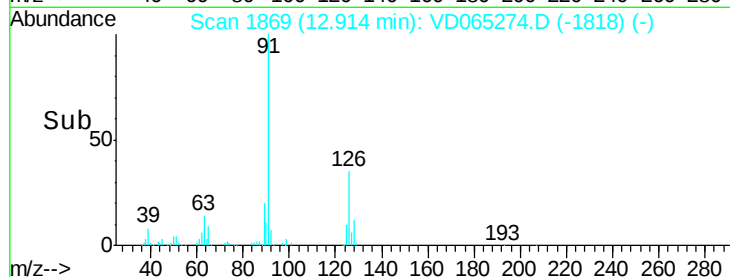
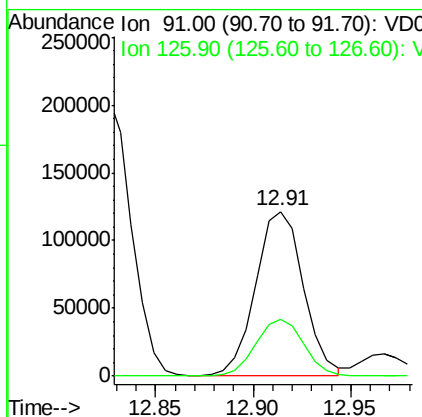
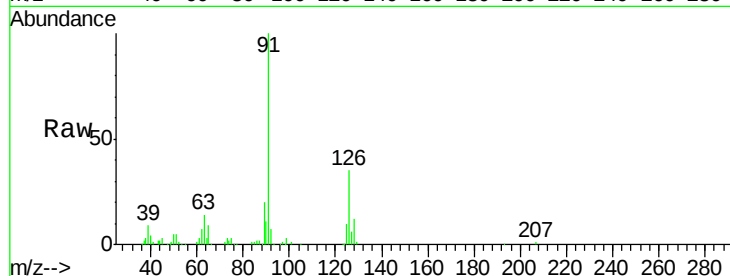
#79
 2-Chlorotoluene
 Concen: 53.618 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MS

Tot Ion: 91 Resp: 206682
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.5 52.6

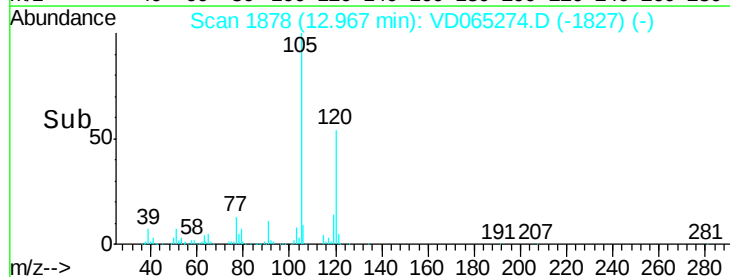
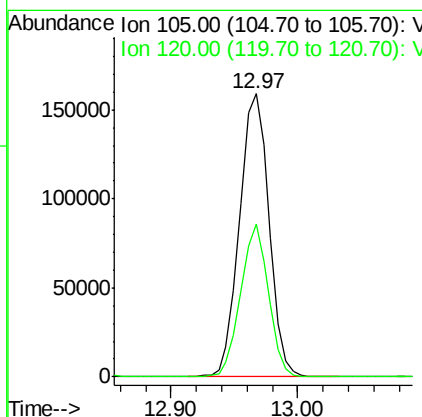
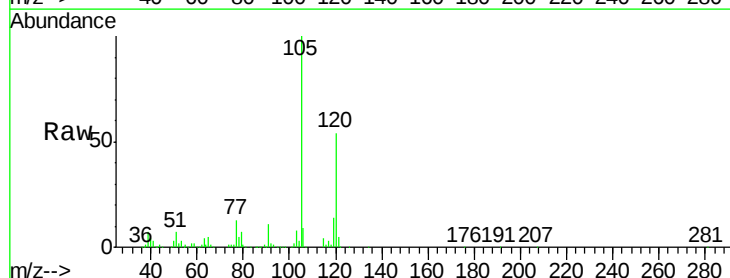
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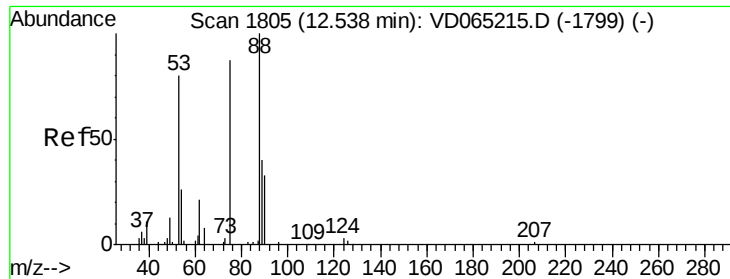
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.489 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion: 105 Resp: 256970
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 110.987 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

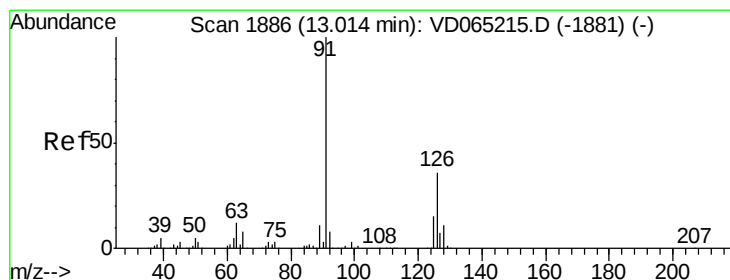
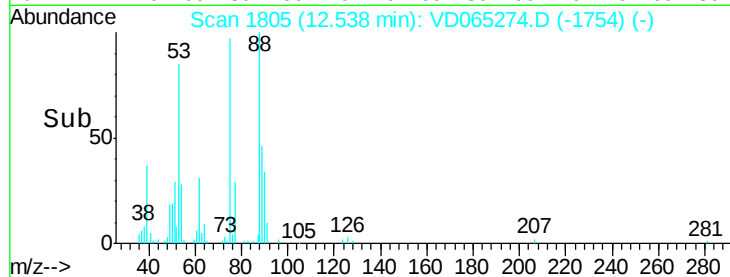
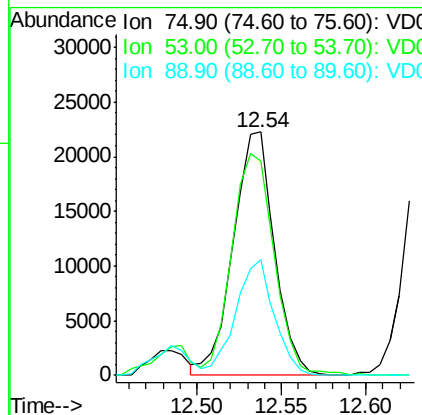
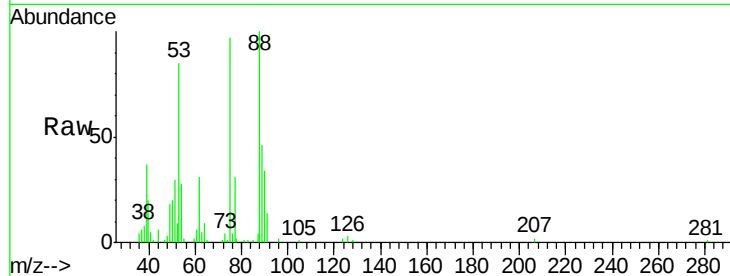
ClientSampleId :

DUNR-TS001-01MS

Tot Ion:	75	Resp:	37825
Ion	Ratio	Lower	Upper
75	100		
53	93.7	77.6	116.4
89	44.6	37.2	55.8

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#82

4-Chlorotoluene

Concen: 51.542 ug/l

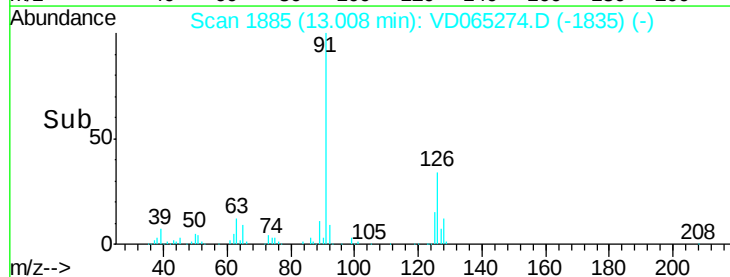
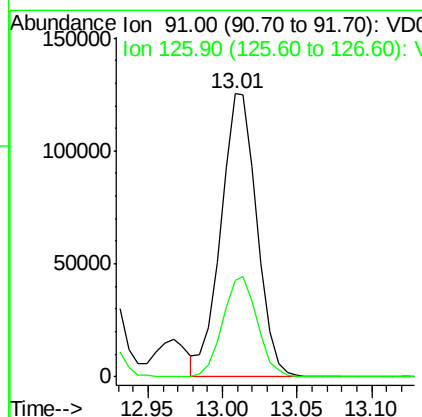
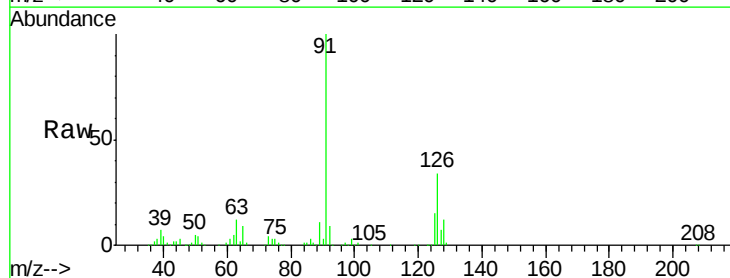
RT: 13.01 min Scan# 1885

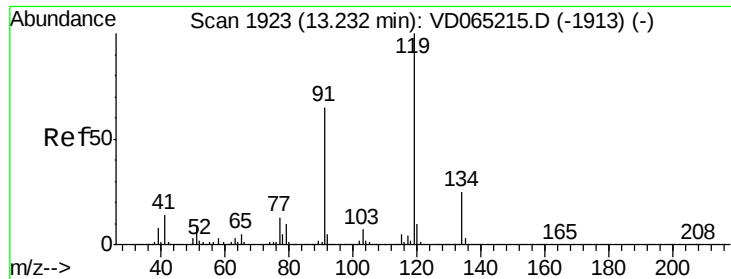
Delta R.T. -0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Tgt Ion:	91	Resp:	210924
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.4	52.3





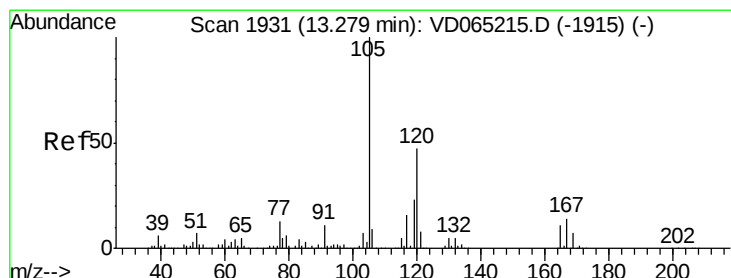
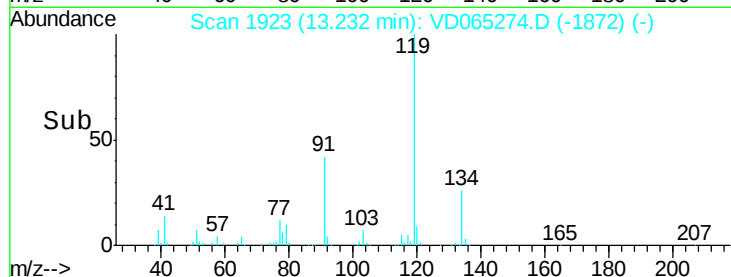
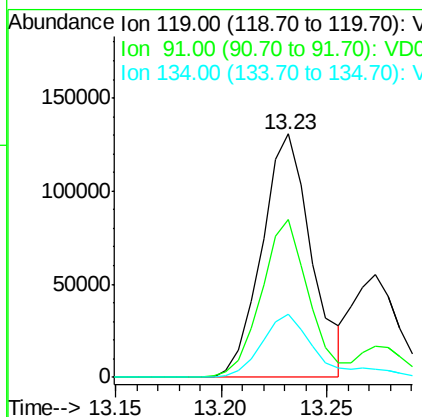
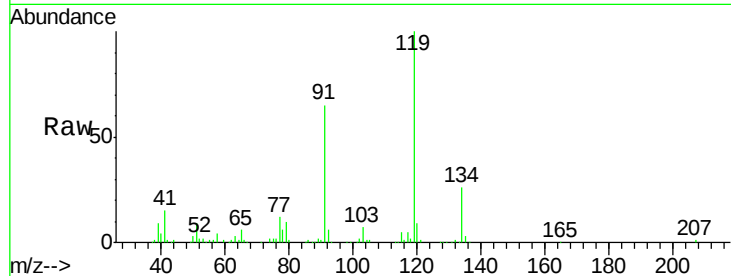
#83
tert-Butylbenzene
Concen: 54.069 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	31.9	95.5
134	28.8	13.8	41.3

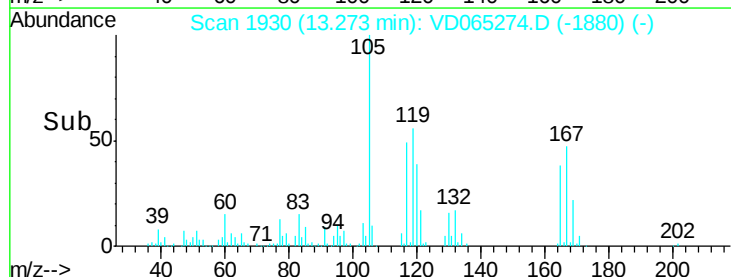
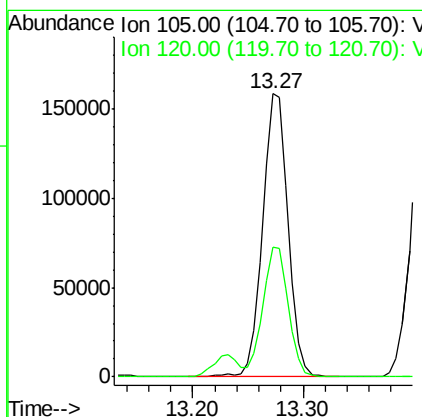
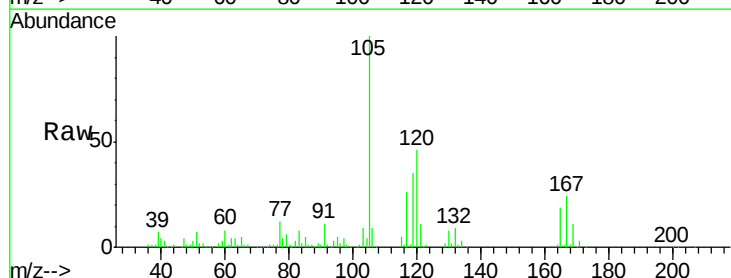
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#84
1,2,4-Trimethylbenzene
Concen: 54.210 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.3	69.9





#85

sec-Butylbenzene

Concen: 40.155 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion:105 Resp: 228701

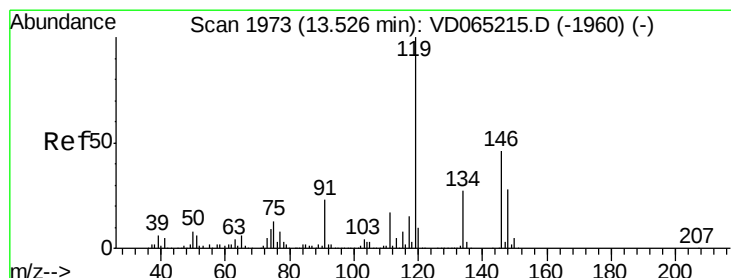
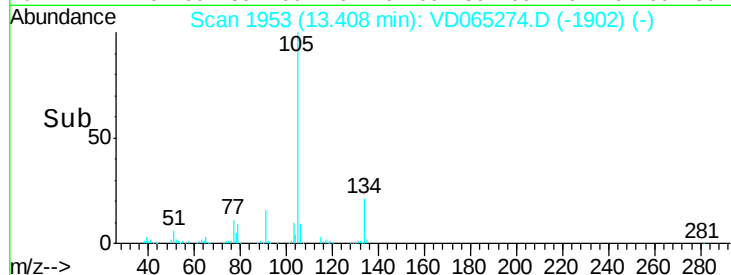
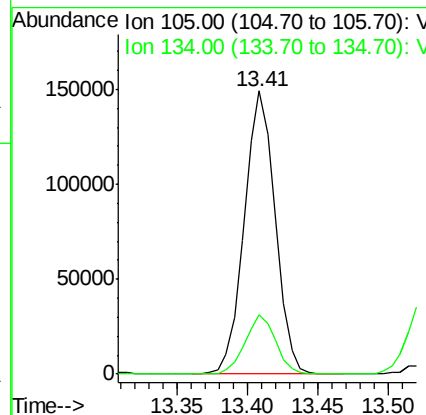
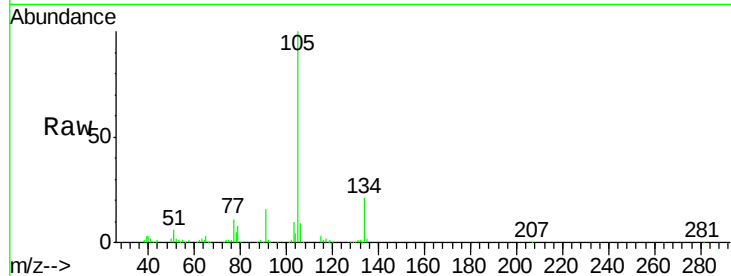
Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 40.473 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

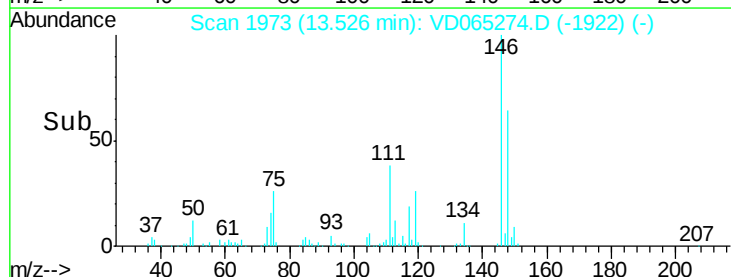
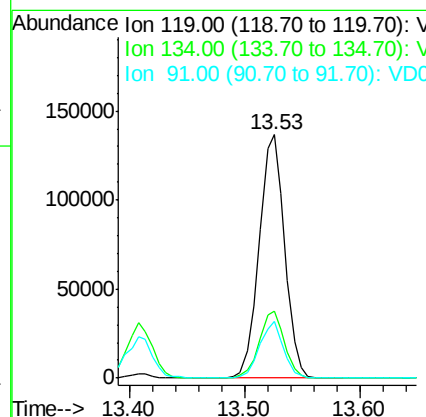
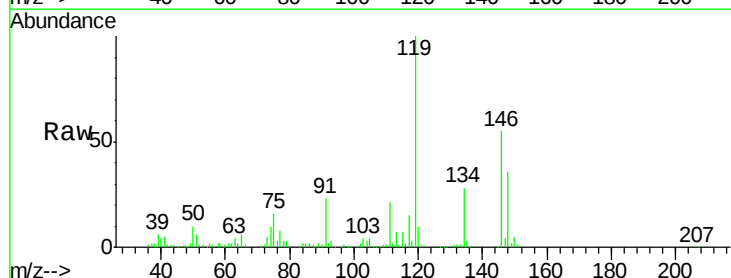
Tgt Ion:119 Resp: 210802

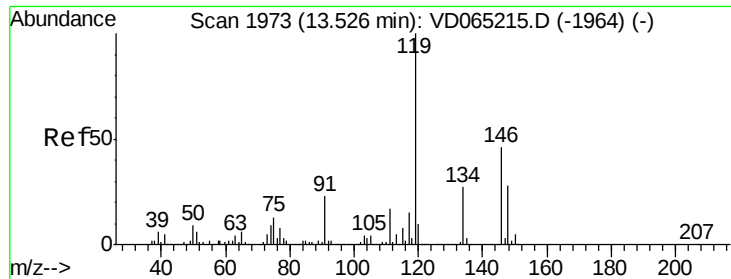
Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

91 22.1 11.1 33.1





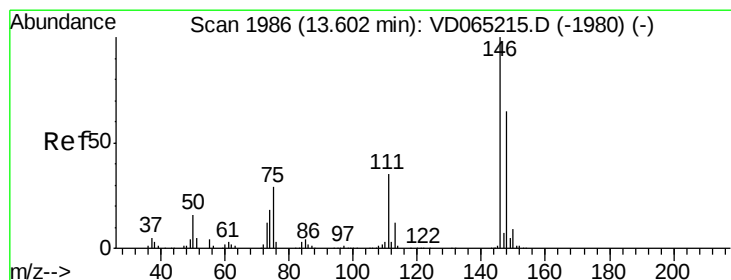
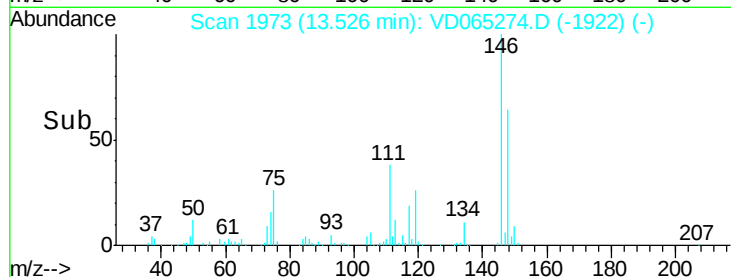
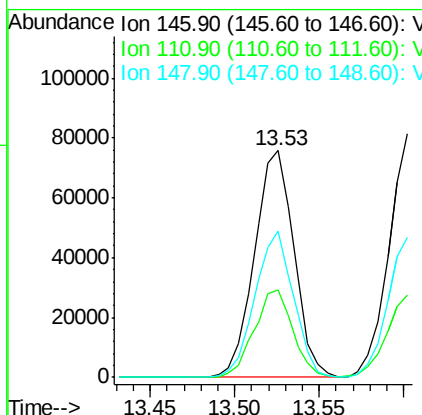
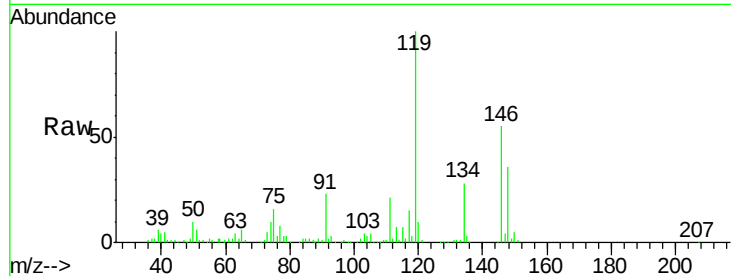
#87
 1,3-Dichlorobenzene
 Concen: 44.830 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123225		
111	37.7	18.6	55.8	
148	62.7	31.4	94.3	

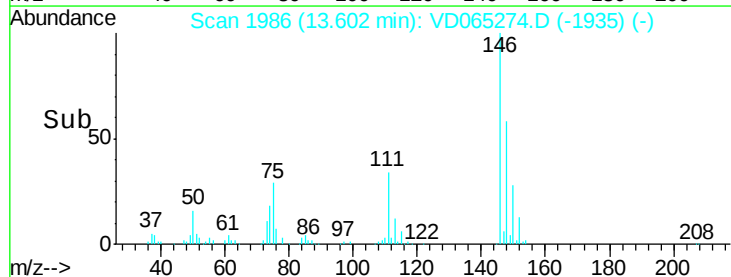
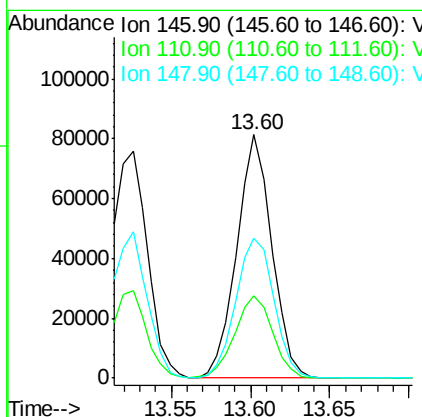
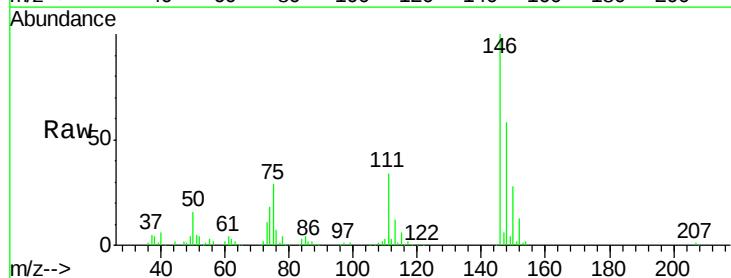
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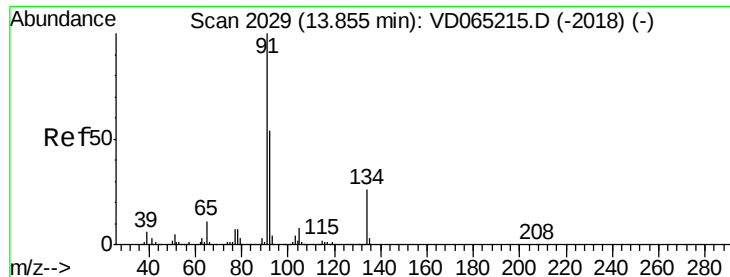
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#88
 1,4-Dichlorobenzene
 Concen: 46.037 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124890		
111	36.5	18.4	55.2	
148	62.8	32.1	96.5	





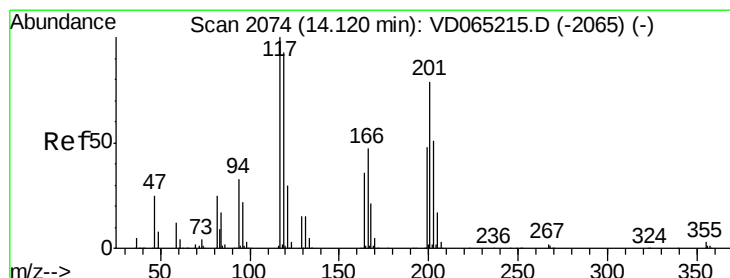
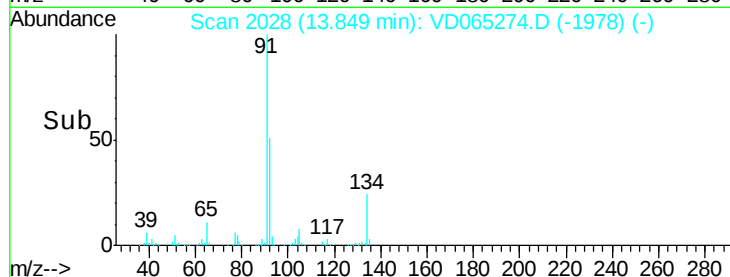
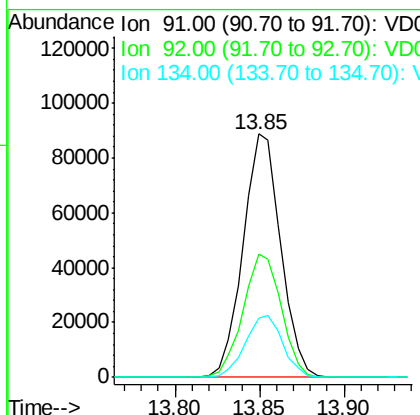
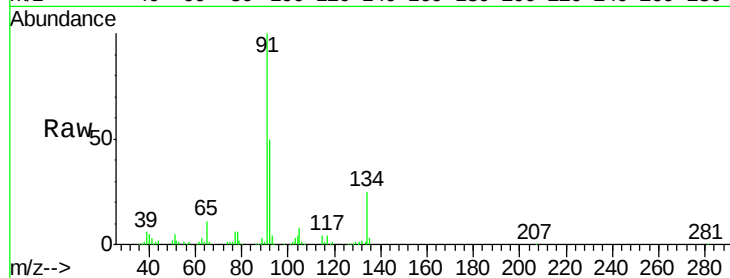
#89
n-Butylbenzene
Concen: 28.731 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	27.0	80.8
134	25.3	13.5	40.4

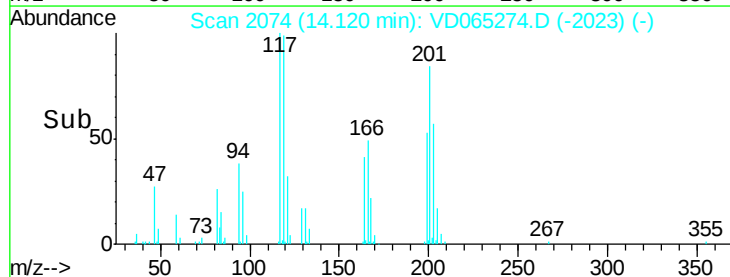
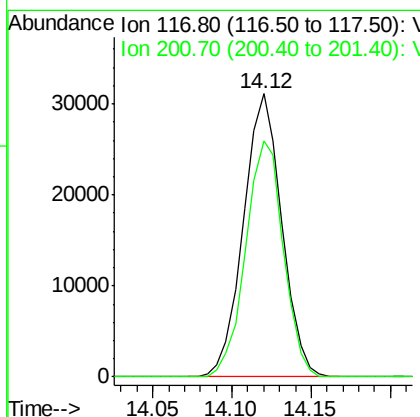
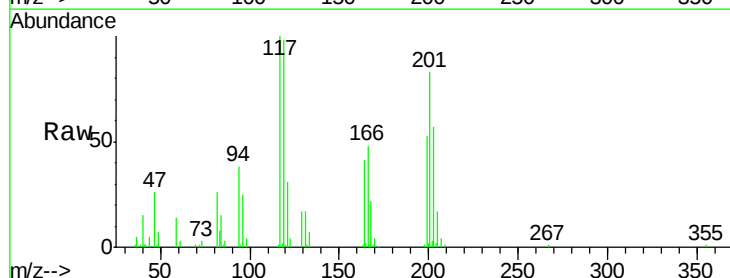
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#90
Hexachloroethane
Concen: 49.266 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	41.3	124.1





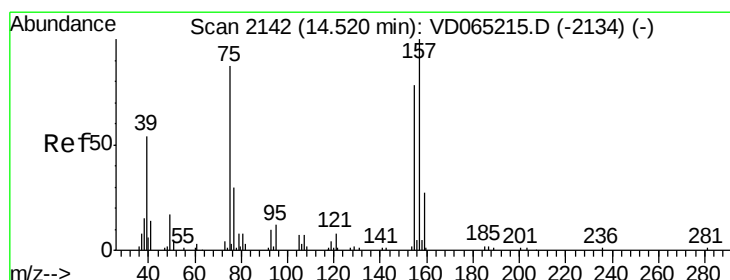
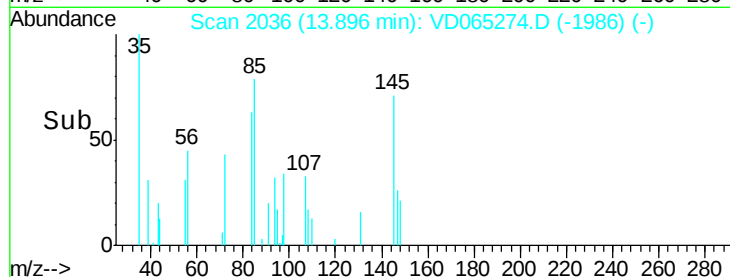
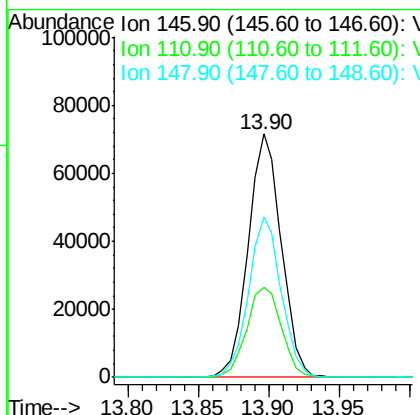
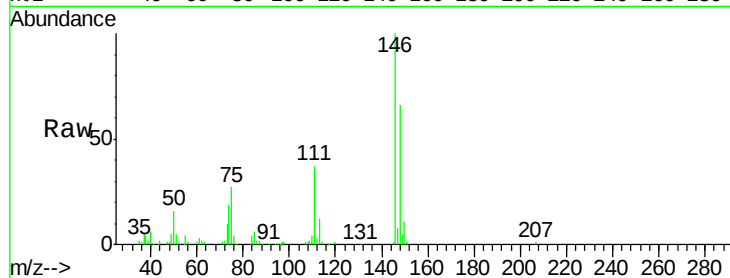
#91
 1,2-Dichlorobenzene
 Concen: 49.904 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.9	32.0	96.2

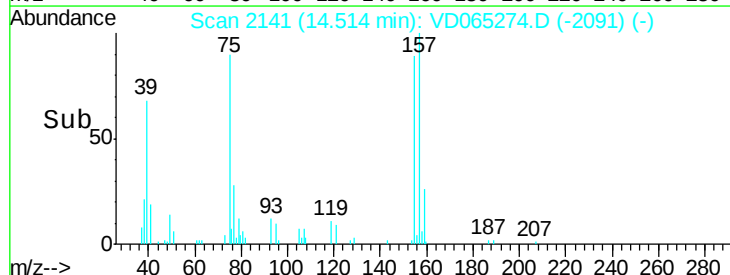
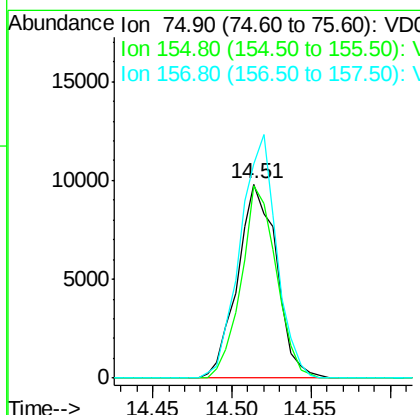
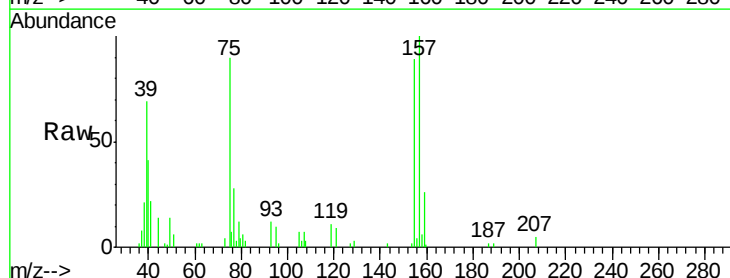
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 105.344 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	42.3	126.9
157	117.1	56.7	170.1





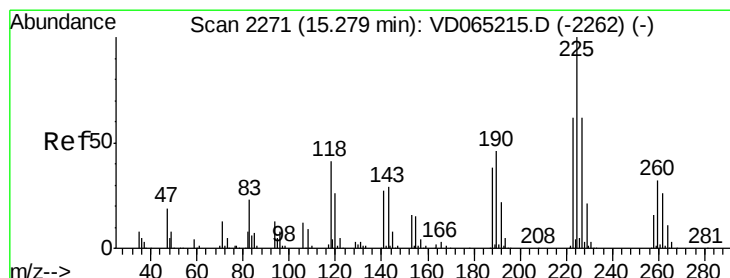
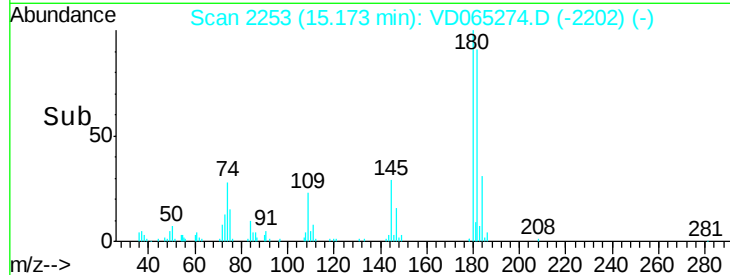
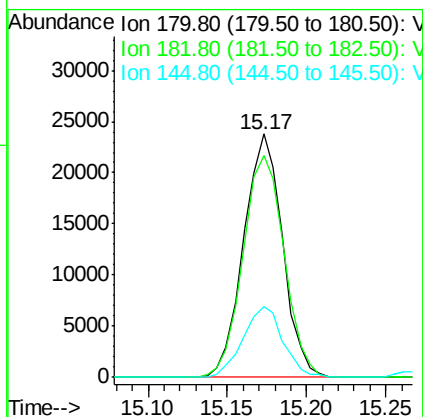
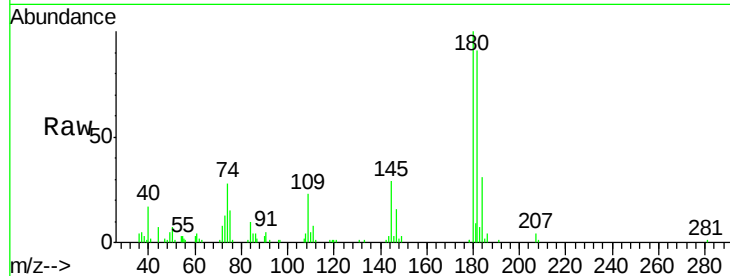
#93
 1,2,4-Trichlorobenzene
 Concen: 26.234 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MS

Tot Ion:	180	Resp:	40500
Ion Ratio	Lower	Upper	
180	100		
182	96.5	46.9	140.6
145	29.8	13.9	41.7

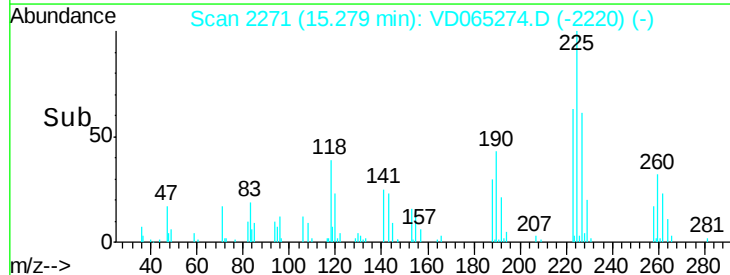
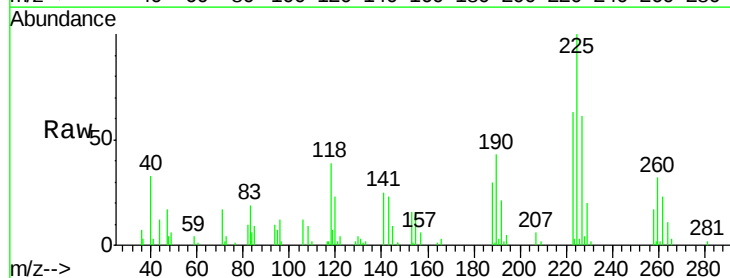
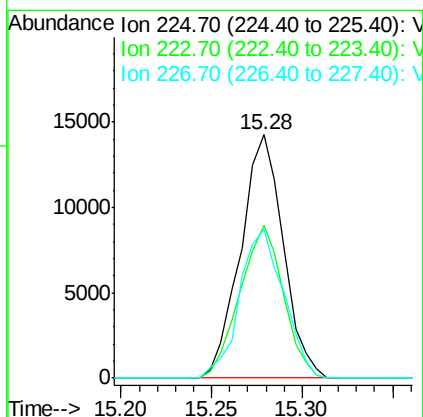
Manual Integrations
 APPROVED

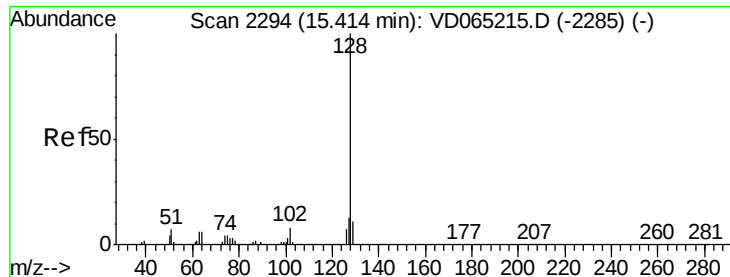
MMDadoda
 2/24/2020 11:08:50 AM



#94
 Hexachlorobutadiene
 Concen: 23.554 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion:	225	Resp:	23326
Ion Ratio	Lower	Upper	
225	100		
223	64.1	31.4	94.2
227	63.2	31.7	95.1





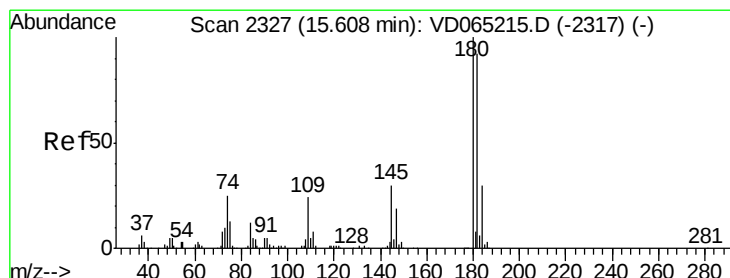
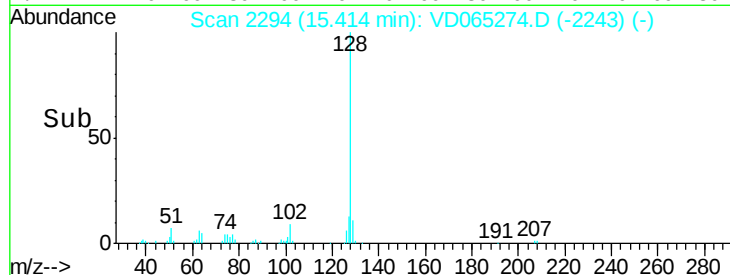
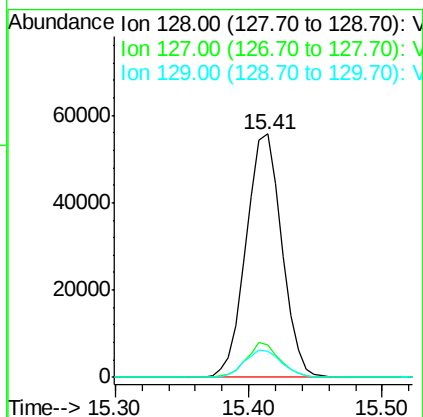
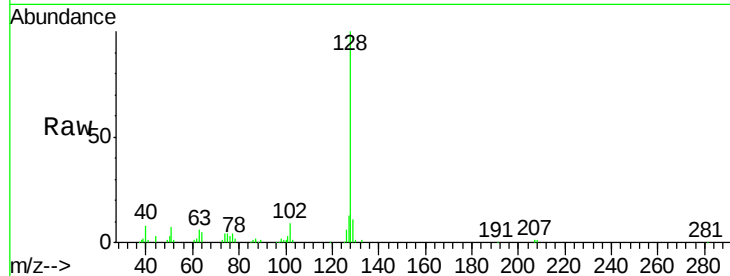
#95
Naphthalene
Concen: 40.980 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 27.323 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.9	140.6
145	29.3	15.4	46.1

