LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
Data File : VD063297.D
Acq On : 1 Aug 2019 17:23
Operator : VA/AP
Sample : K4120-07
Misc : 5.13g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.474	3	5	24	rVB	1710795	4451148	90.41%	5.763%
2	1.700	25	28	32	rBV	62026	106440	2.16%	0.138%
3	1.838	37	42	46	rBV	544505	901742	18.32%	1.168%
4	2.350	89	94	105	rBV	2057859	4408355	89.54%	5.708%
5	2.625	118	122	134	rBV2	441147	998557	20.28%	1.293%
6	2.773	134	137	141	rVV2	45280	93645	1.90%	0.121%
7	2.980	153	158	169	rVV	538806	1304107	26.49%	1.689%
8	3.167	172	177	188	rVB4	54183	243814	4.95%	0.316%
9	3.777	233	239	241	rVV	281179	885286	17.98%	1.146%
10	3.846	241	246	264	rVB3	511453	2446161	49.69%	3.167%
11	4.210	276	283	292	rBV	263785	829356	16.85%	1.074%
12	4.506	305	313	319	rBV4	30922	110849	2.25%	0.144%
13	4.683	324	331	339	rBV3	108400	338934	6.88%	0.439%
14	5.057	355	369	377	rBV	169280	622561	12.65%	0.806%
15	5.205	377	384	389	rBV3	76249	263898	5.36%	0.342%
16	5.529	409	417	426	rBV3	137550	473937	9.63%	0.614%
17	5.687	426	433	437	rBV	98802	357441	7.26%	0.463%
18	5.785	437	443	450	rVV	907431	3055720	62.07%	3.956%
19	5.894	450	454	463	rVB2	148170	500263	10.16%	0.648%
20	6.159	474	481	491	rVB2	90431	309608	6.29%	0.401%
21	6.652	519	531	541	rBV	168485	569339	11.56%	0.737%
22	6.937	551	560	566	rBV3	1220451	4923211	100.00%	6.374%
23	7.036	566	570	585	rVB	803250	2865299	58.20%	3.710%
24	7.262	585	593	605	rVB4	167089	614021	12.47%	0.795%
25	7.439	605	611	623	rBV	1665707	4667593	94.81%	6.044%
26	7.607	623	628	631	rVV2	265114	780873	15.86%	1.011%
27	7.685	631	636	643	rVV	1065418	3450612	70.09%	4.468%
28	7.784	643	646	660	rVB4	108398	376960	7.66%	0.488%
29	8.010	660	669	680	rVB	92102	295171	6.00%	0.382%
30	8.207	680	689	700	rBV	1256949	3258285	66.18%	4.219%
31	8.571	718	726	731	rBV5	51671	186286	3.78%	0.241%
32	8.847	743	754	759	rBV	515122	1573820	31.97%	2.038%
33	8.936	759	763	766	rVV	159197	381151	7.74%	0.494%
34	9.004	766	770	775	rVB2	151206	365531	7.42%	0.473%

LSC Area Percent Report

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Misc : 5.13g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Title : SW846 8260

35	9.142	782	784	793	rVB3	47969	116385	2.36%	0.151%
36	9.290	793	799	804	rBV2	79709	248512	5.05%	0.322%
37	9.428	810	813	817	rVB3	48265	109090	2.22%	0.141%
38	9.536	817	824	833	rBV	541028	1570016	31.89%	2.033%
39	9.723	835	843	847	rBV2	515254	1675275	34.03%	2.169%
40	9.772	847	848	857	rVB3	158449	346761	7.04%	0.449%
41	9.900	857	861	863	rBV	99115	207014	4.20%	0.268%
42	10.107	879	882	888	rBV	99399	202247	4.11%	0.262%
43	10.205	888	892	895	rBV	112407	243722	4.95%	0.316%
44	10.402	902	912	918	rBV2	1022182	3052602	62.00%	3.952%
45	10.501	918	922	929	rVB	601050	1312052	26.65%	1.699%
46	10.609	929	933	937	rBV4	68376	223517	4.54%	0.289%
47	10.668	937	939	947	rVV6	56184	181610	3.69%	0.235%
48	10.776	947	950	959	rVB3	88567	216879	4.41%	0.281%
49	10.924	959	965	970	rBV2	145565	365829	7.43%	0.474%
50	11.091	977	982	988	rVV3	106206	357313	7.26%	0.463%
51	11.229	988	996	1003	rVV4	109020	419916	8.53%	0.544%
52	11.475	1017	1021	1025	rBV	59462	126122	2.56%	0.163%
53	11.574	1025	1031	1034	rVV	115134	285644	5.80%	0.370%
54	11.623	1034	1036	1039	rVV3	70297	182492	3.71%	0.236%
55	11.672	1039	1041	1045	rVV4	83368	194372	3.95%	0.252%
56	11.741	1045	1048	1053	rVV	117048	224668	4.56%	0.291%
57	11.820	1053	1056	1060	rVV3	97175	266313	5.41%	0.345%
58	11.869	1060	1061	1068	rVV5	73411	194176	3.94%	0.251%
59	11.977	1068	1072	1077	rVV5	44810	137107	2.78%	0.178%
60	12.115	1082	1086	1088	rVV2	108272	211273	4.29%	0.274%
61	12.164	1088	1091	1096	rVV2	99807	224284	4.56%	0.290%
62	12.302	1100	1105	1107	rVV	130402	256804	5.22%	0.333%
63	12.361	1107	1111	1115	rVV	1546918	2515073	51.09%	3.256%
64	12.420	1115	1117	1119	rVV3	48795	96888	1.97%	0.125%
65	12.460	1119	1121	1123	rVV2	61818	105351	2.14%	0.136%
66	12.519	1123	1127	1133	rVV	1478263	2427255	49.30%	3.143%
67	12.657	1133	1141	1147	rVV	954195	1975938	40.14%	2.558%
68	12.745	1147	1150	1156	rVB4	89018	226744	4.61%	0.294%
69	12.991	1171	1175	1177	rBV3	84702	178091	3.62%	0.231%
70	13.041	1177	1180	1183	rVV	428504	636345	12.93%	0.824%
71	13.218	1196	1198	1202	rVV3	75962	123978	2.52%	0.161%

LSC Area Percent Report

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Integrator: RTE
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Sampling : 1 Min Area: 3 % of largest Peak
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Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Title : SW846 8260

72	13.306	1202	1207	1211	rVV3	74213	168422	3.42%	0.218%
73	13.395	1213	1216	1220	rVB	102731	166607	3.38%	0.216%
74	13.464	1220	1223	1227	rBV3	53306	110926	2.25%	0.144%
75	13.553	1227	1232	1236	rBV	936907	1400621	28.45%	1.814%
76	13.710	1245	1248	1251	rVB	151350	223488	4.54%	0.289%
77	13.769	1251	1254	1256	rVB	148576	181429	3.69%	0.235%
78	13.838	1256	1261	1263	rBV	237719	383382	7.79%	0.496%
79	13.877	1263	1265	1268	rVV	142771	196690	4.00%	0.255%
80	13.927	1268	1270	1272	rVV	166125	220939	4.49%	0.286%
81	14.074	1281	1285	1288	rBV2	153400	263224	5.35%	0.341%
82	14.232	1298	1301	1308	rVB	484940	643399	13.07%	0.833%
83	14.350	1308	1313	1316	rBV3	47082	105655	2.15%	0.137%
84	14.517	1326	1330	1332	rVV	1032389	1552297	31.53%	2.010%
85	14.557	1332	1334	1336	rVV	182552	232494	4.72%	0.301%
86	14.704	1345	1349	1353	rBV2	372787	570433	11.59%	0.739%
87	14.773	1353	1356	1362	rVV2	238634	418391	8.50%	0.542%
88	14.911	1365	1370	1374	rVV	66947	126312	2.57%	0.164%
89	14.970	1374	1376	1378	rVV	71882	109868	2.23%	0.142%
90	15.049	1381	1384	1386	rVV	238138	285338	5.80%	0.369%
91	15.137	1390	1393	1397	rVB2	166916	280721	5.70%	0.363%
92	15.344	1411	1414	1415	rBV	80651	102234	2.08%	0.132%
93	15.374	1415	1417	1420	rVB2	96913	120479	2.45%	0.156%
94	15.423	1420	1422	1425	rBV3	78843	127167	2.58%	0.165%
95	15.561	1430	1436	1439	rBV4	52727	118961	2.42%	0.154%
96	15.669	1444	1447	1452	rVB	167025	221371	4.50%	0.287%
97	15.905	1464	1471	1475	rBV4	48981	154693	3.14%	0.200%
98	15.994	1475	1480	1482	rVB3	53081	93636	1.90%	0.121%
99	16.122	1489	1493	1499	rVV	54707	97657	1.98%	0.126%
100	16.210	1499	1502	1505	rVB2	77689	108461	2.20%	0.140%

Sum of corrected areas: 77232927

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080119\
Data File : VD063297.D
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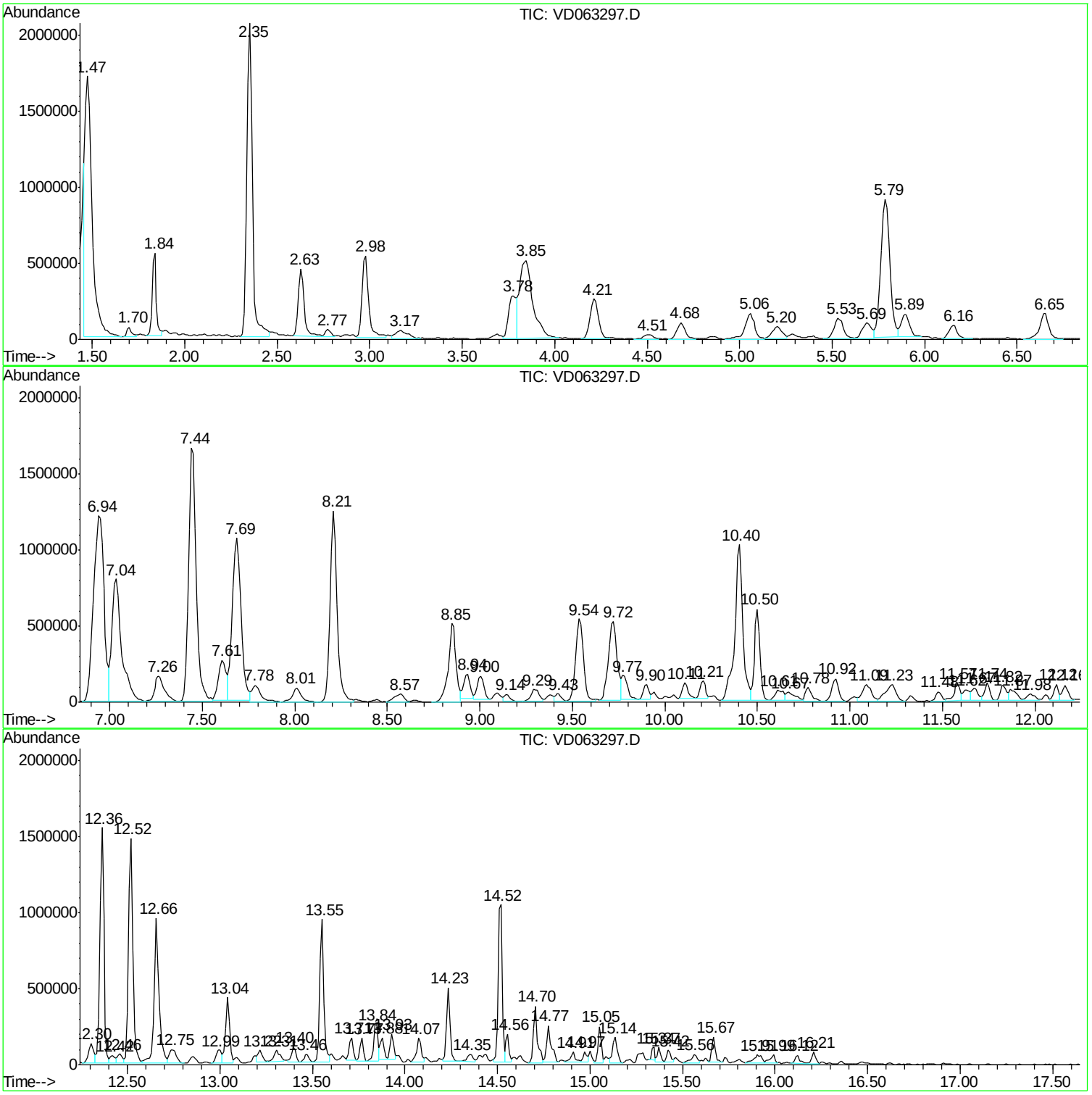
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Quant Title : SW846 8260

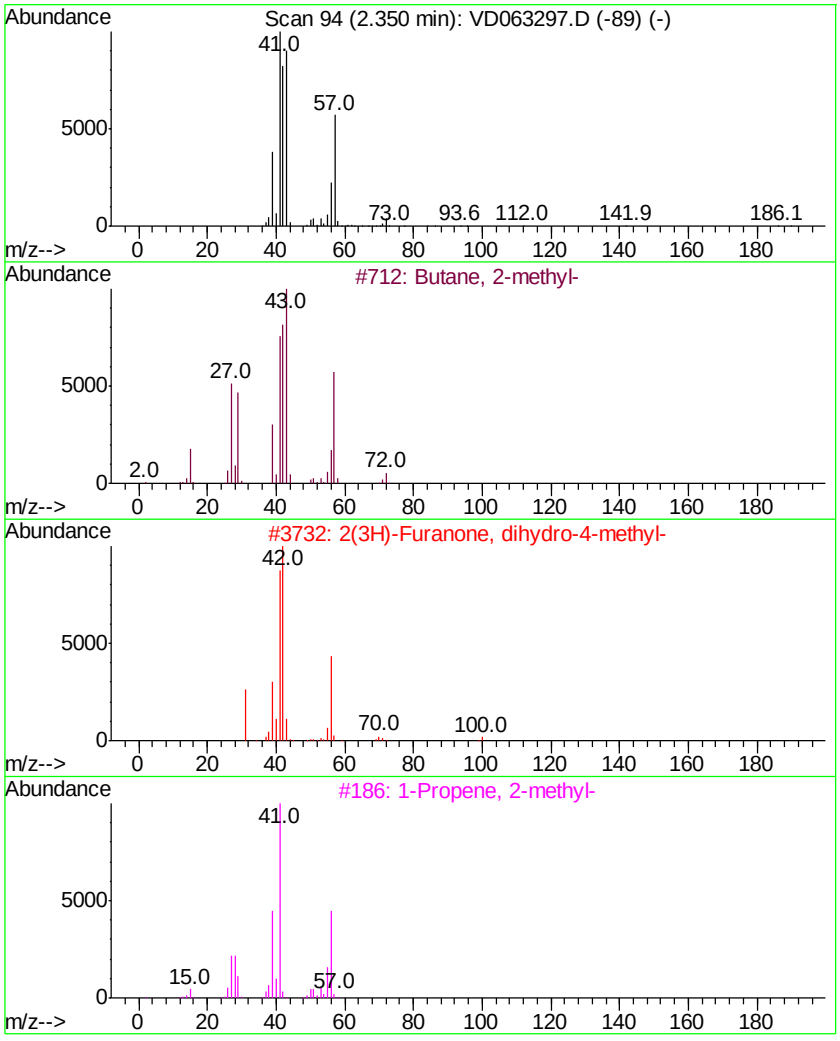
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

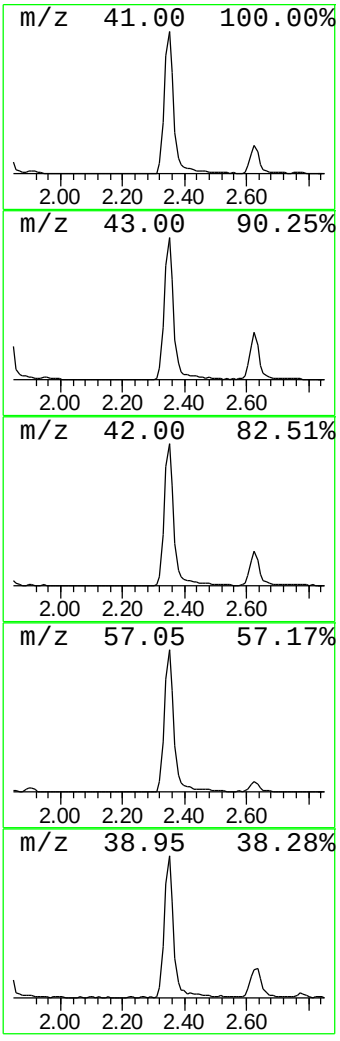
****

Peak Number 2 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.35	76.93 ug/l	4408360	Pentafluorobenzene	7.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	58
2	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	25
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	16
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	10
5	1-Butene	56	C4H8	000106-98-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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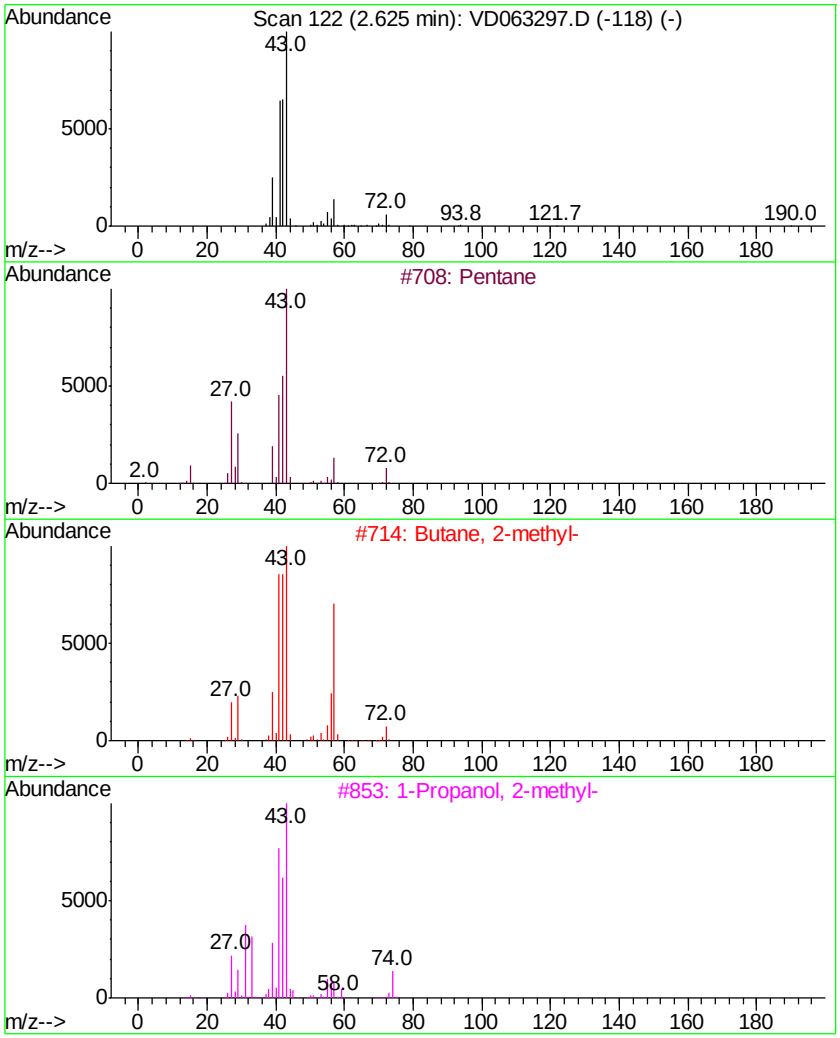
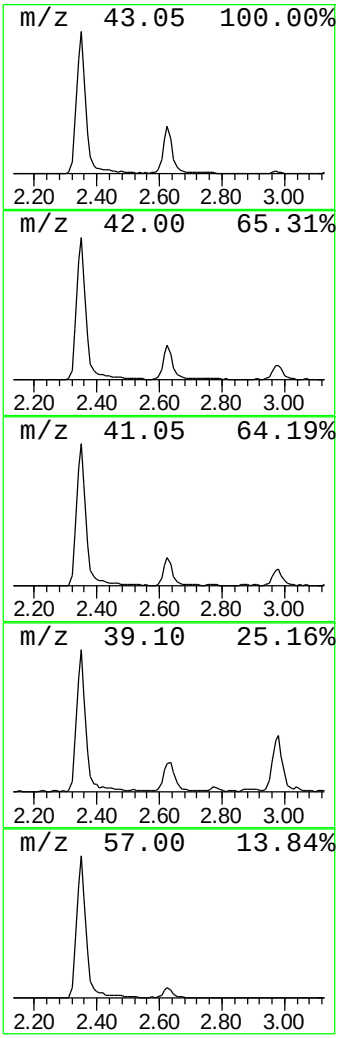
Peak Number 3 Pentane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.63	17.43 ug/l	998557	Pentafluorobenzene	7.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	78
2	Butane, 2-methyl-	72	C5H12	000078-78-4	50
3	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	39
4	Isobutyl nitrite	103	C4H9NO2	000542-56-3	32
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	25





Library Search Compound Report

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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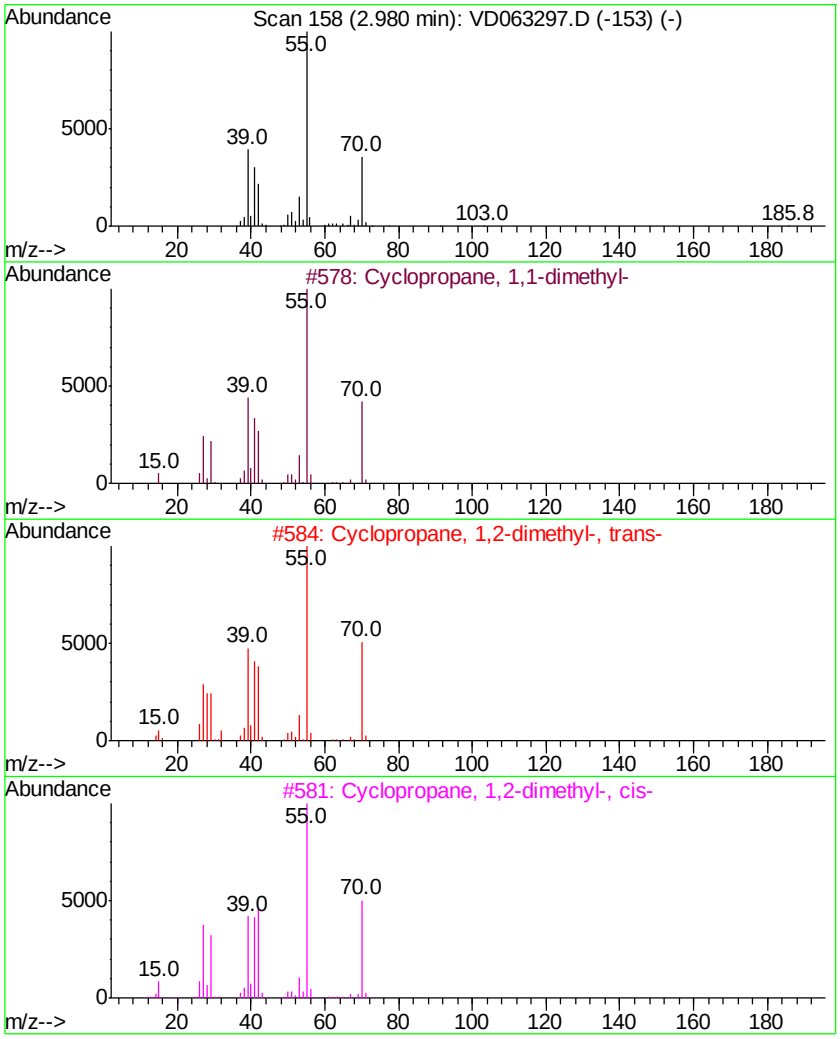
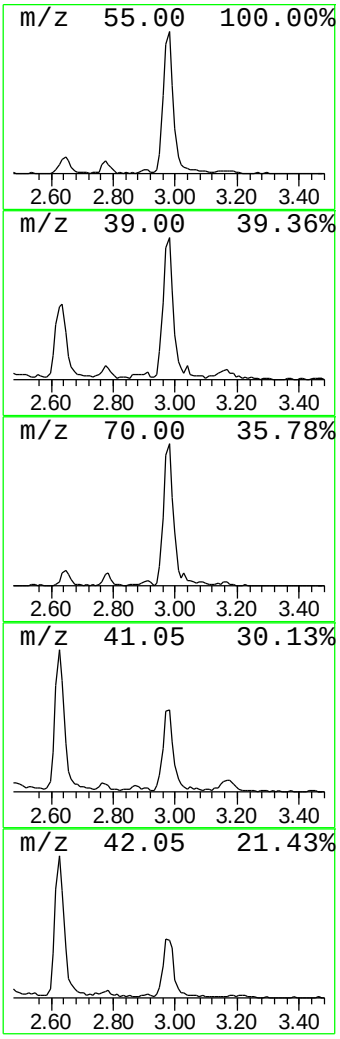
Peak Number 4 Cyclopropane, 1,1-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	22.76 ug/l	1304110	Pentafluorobenzene	7.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	91
2	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	72
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	64
4	2-Pentene, (E)-	70	C5H10	000646-04-8	64
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	64





Library Search Compound Report

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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

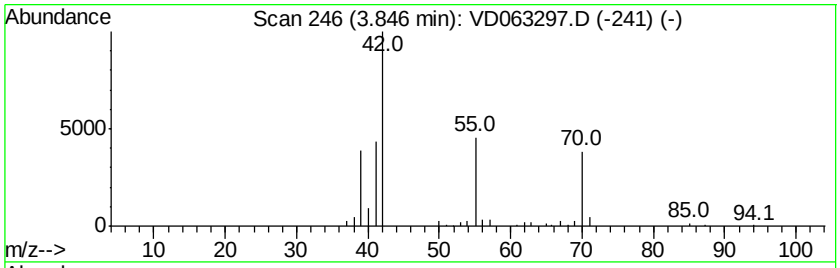
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

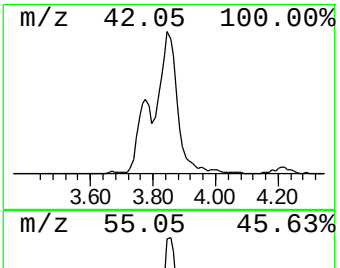
****

Peak Number 5 1-Pentene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.85	42.69 ug/l	2446160	Pentafluorobenzene	7.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	86
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72
3	Cyclopentane	70	C5H10	000287-92-3	53
4	2-Butene-1,4-diol, (Z)-	88	C4H8O2	006117-80-2	43
5	2-Butene-1,4-diol	88	C4H8O2	000110-64-5	39





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Sample : K4120-07
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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

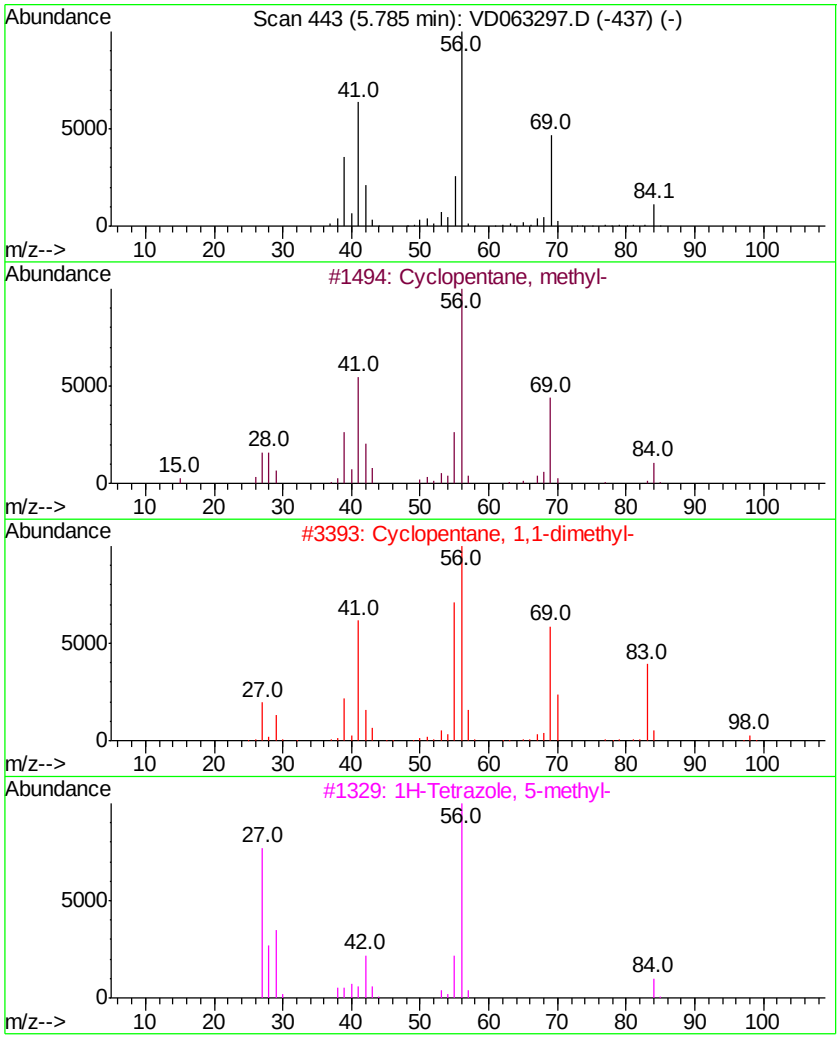
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

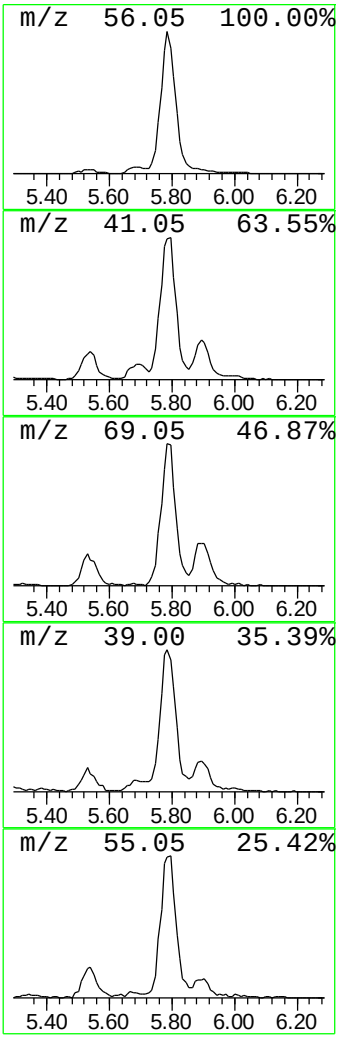
****

Peak Number 6 Cyclopentane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.79	53.32 ug/l	3055720	Pentafluorobenzene	7.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	72
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	59
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
Data File : VD063297.D
Acq On : 1 Aug 2019 17:23
Operator : VA/AP
Sample : K4120-07
Misc : 5.13g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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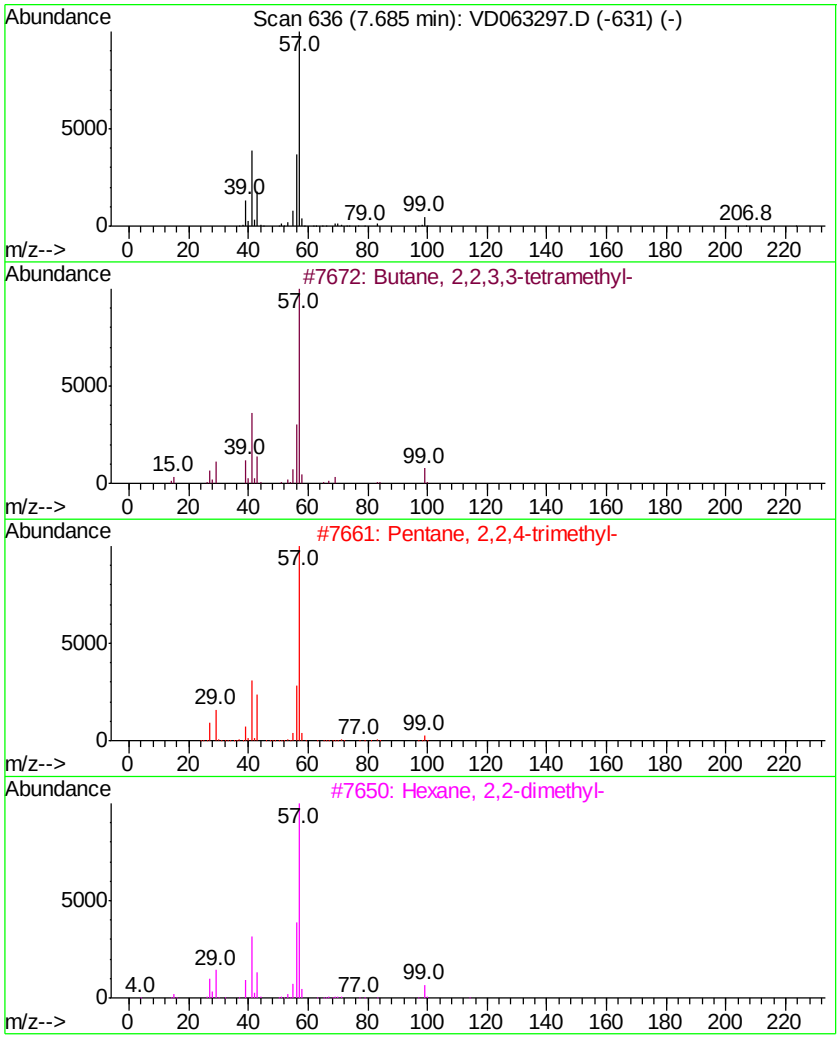
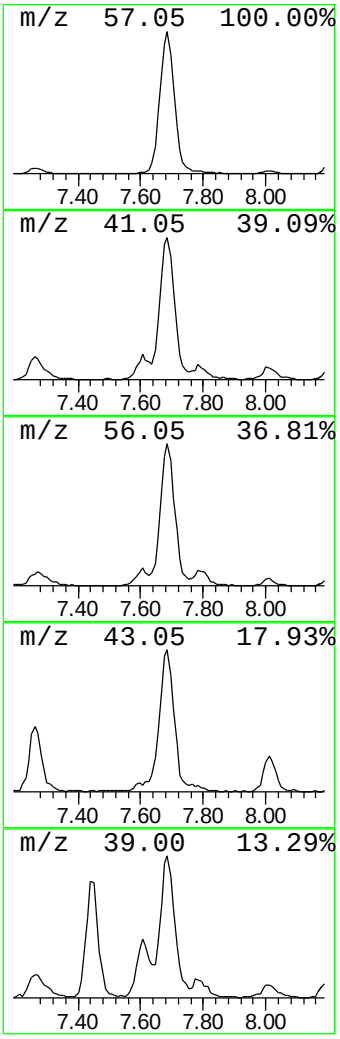
Peak Number 7 Butane, 2,2,3,3-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	52.95 ug/l	3450610	1,4-Difluorobenzene	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
5	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
Data File : VD063297.D
Acq On : 1 Aug 2019 17:23
Operator : VA/AP
Sample : K4120-07
Misc : 5.13g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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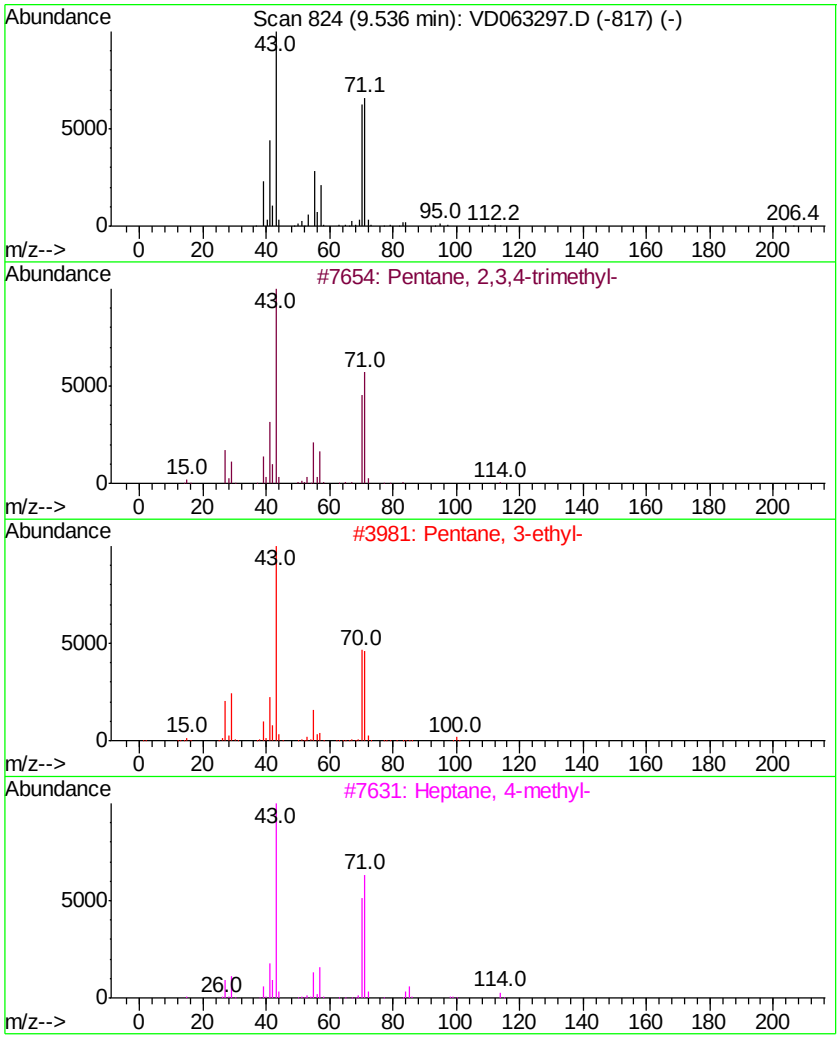
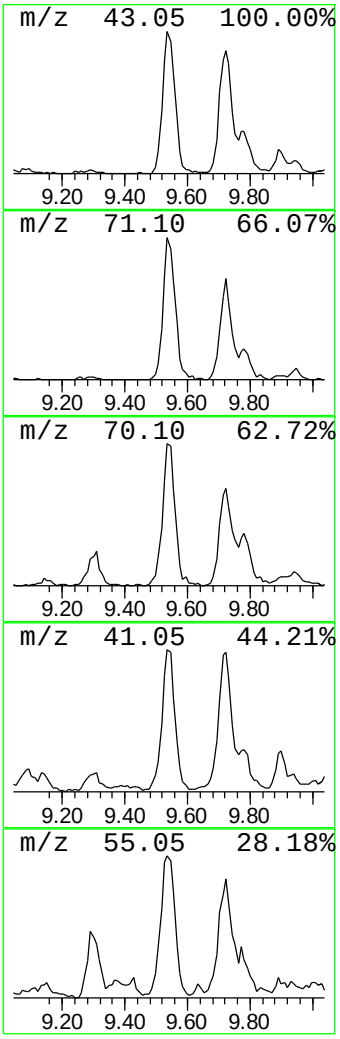
Peak Number 8 Pentane, 2,3,4-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	24.09 ug/l	1570020	1,4-Difluorobenzene	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	78
5	Propanoic acid, 2-methyl-, 2-met...	158	C9H18O2	002445-69-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
Data File : VD063297.D
Acq On : 1 Aug 2019 17:23
Operator : VA/AP
Sample : K4120-07
Misc : 5.13g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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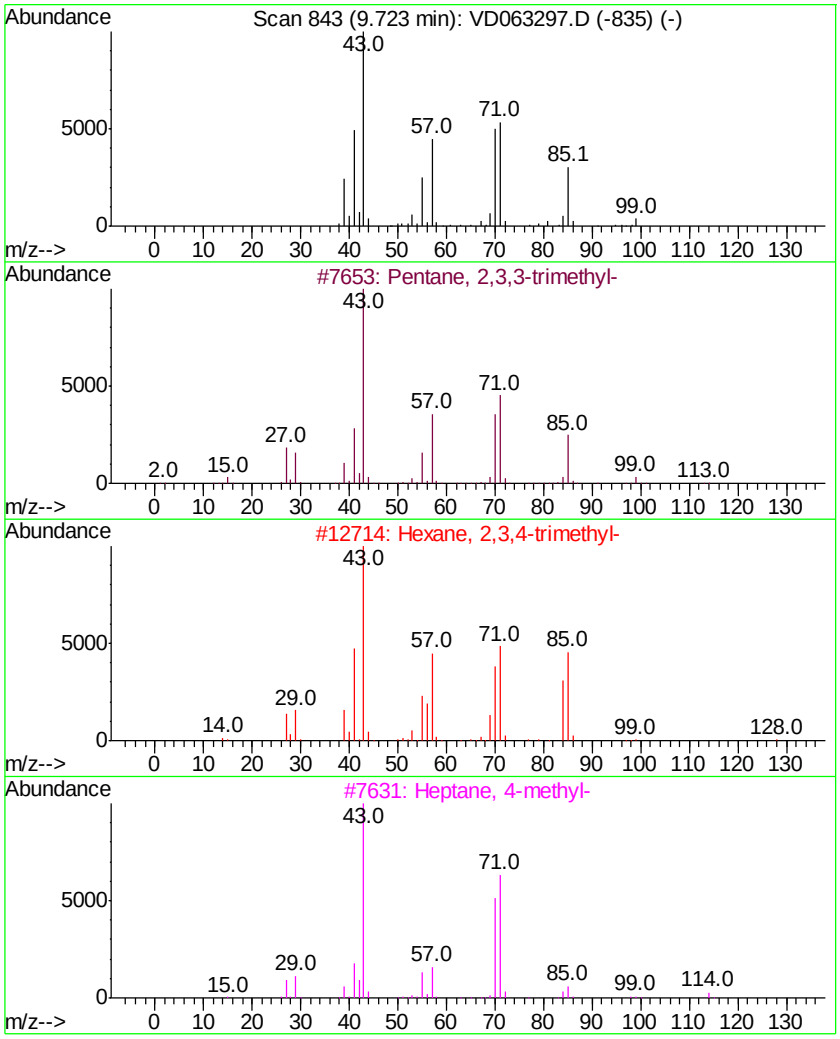
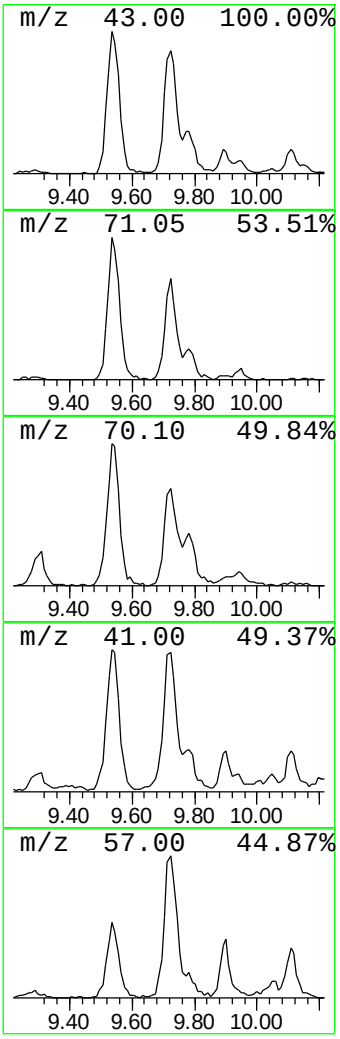
Peak Number 9 Pentane, 2,3,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	25.71 ug/l	1675280	1,4-Difluorobenzene	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	78
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
Data File : VD063297.D
Acq On : 1 Aug 2019 17:23
Operator : VA/AP
Sample : K4120-07
Misc : 5.13g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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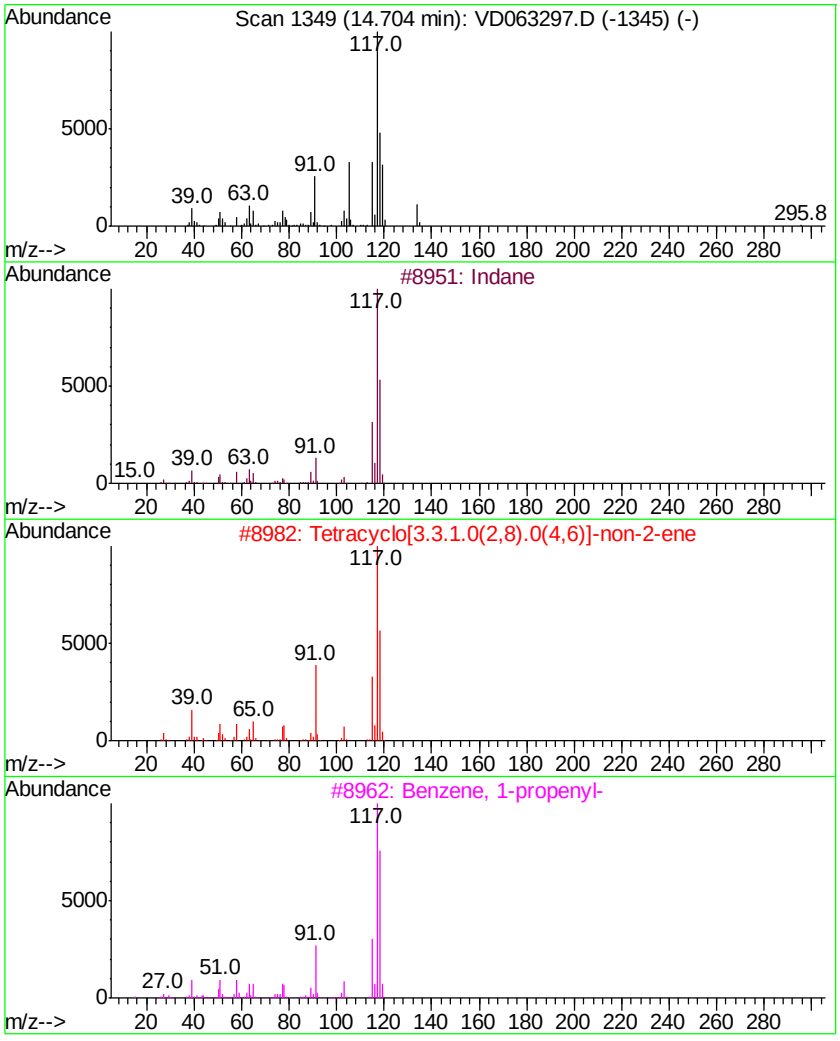
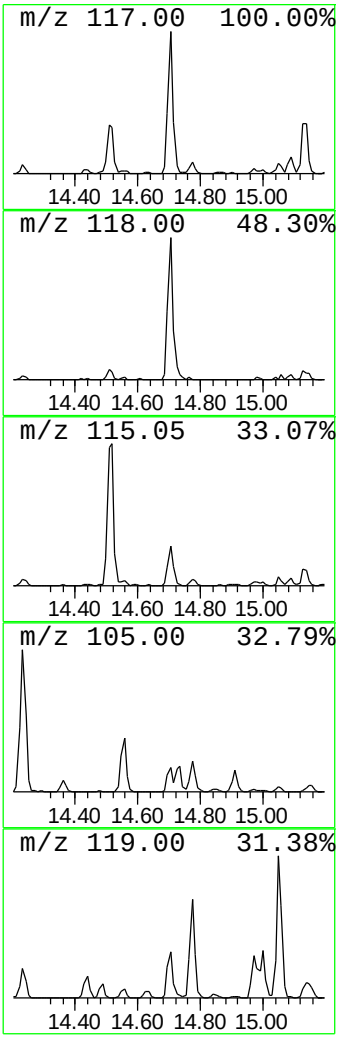
Peak Number 10 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	18.37 ug/l	570433	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	53
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	49
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	46
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	46
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080119\
Data File : VD063297.D
Acq On : 1 Aug 2019 17:23
Operator : VA/AP
Sample : K4120-07
Misc : 5.13g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	2.35	76.9	ug/l	4408360	1	7.04	2865300	50.0
Pentane	2.63	17.4	ug/l	998557	1	7.04	2865300	50.0
Cyclopropane, 1,1...	2.98	22.8	ug/l	1304110	1	7.04	2865300	50.0
1-Pentene	3.85	42.7	ug/l	2446160	1	7.04	2865300	50.0
Cyclopentane, met...	5.79	53.3	ug/l	3055720	1	7.04	2865300	50.0
Butane, 2,2,3,3-t...	7.69	53.0	ug/l	3450610	2	8.21	3258290	50.0
Pentane, 2,3,4-tr...	9.54	24.1	ug/l	1570020	2	8.21	3258290	50.0
Pentane, 2,3,3-tr...	9.72	25.7	ug/l	1675280	2	8.21	3258290	50.0
Indane	14.70	18.4	ug/l	570433	4	14.52	1552300	50.0